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- 1.304 dnf 4.4.2-2.el8**
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- 1.305 util-linux 2.32.1-26.el8**

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1.306 libpwquality 1.4.4-1.el8
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- 1.545 gdbm 1.18.1-r0**
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*****

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13. [14]Sven Dietrich <sven_dietrich@trimble.com> Palisade reference clock driver, NT adj. residuals, integrated Greg's Winnt port.
14. [15]John A. Dundas III <dundas@salt.jpl.nasa.gov> Apple A/UX port
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 29. [32]Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
 30. [33]Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305
 31. [34]Danny Mayer <mayer@ntp.org>Network I/O, Windows Port, Code Maintenance
 32. [35]David L. Mills <mills@udel.edu> Version 4 foundation:
clock
discipline, authentication, precision kernel; clock drivers:
Spectracom, Austron, Arbiter, Heath, ATOM, ACTS, KSI/Odetics;
audio clock drivers: CHU, WWV/H, IRIG
 33. [36]Wolfgang Moeller <moeller@gwdgv1.dnet.gwdg.de> VMS port
 34. [37]Jeffrey Mogul <mogul@pa.dec.com> ntprtrace utility
 35. [38]Tom Moore <tmoore@fieval.daytonoh.ncr.com> i386 svr4 port
 36. [39]Kamal A Mostafa <kamal@whence.com> SCO OpenServer port
 37. [40]Derek Mulcahy <derek@toybox.demon.co.uk> and [41]Damon Hart-Davis <d@hd.org> ARCRON MSF clock driver
 38. [42]Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de> monitoring/trap scripts, statistics file handling
 39. [43]Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port
 40. [44]Wilfredo S?nchez <wsanchez@apple.com> added support for NetInfo
 41. [45]Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
 42. [46]Jack Sasportas <jack@innovativeinternet.com> Saved
a Lot of
space on the stuff in the html/pic/ subdirectory
 43. [47]Ray Schnitzler <schnitz@unipress.com> Unixware1 port
 44. [48]Michael Shields <shields@tembel.org> USNO clock driver

- 45. [49]Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
 - 46. [50]Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)
 - 47. [51]Kenneth Stone <ken@sdd.hp.com> HP-UX port
 - 48. [52]Ajit Thyagarajan <ajit@ee.udel.edu>IP multicast/anycast support
 - 49. [53]Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp>TRAK clock driver
 - 50. [54]Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
 - 51. [55]Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and validated HTML documents according to the HTML DTD
-

1.3 openssh 4.0p1

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*
* Optimised ANSI C code for the Rijndael cipher (now AES)
*
* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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1.4 cyrus-sasl 2.1.0

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1.7 regex 3.4a

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1.9 um-ldap 3.3

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# *
# * searchpref.h: display template library defines
```


* 16 May 1994 by Gordon Good

*/

1.10 sun-rpc Dec. 2006

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To: Peter Brown <peterb@fsf.org>, drepper@redhat.com, tcallawa@redhat.com

CC: Elena Zannoni <elena.zannoni@oracle.com>

Subject: sun rpc license

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rstat_proc.c

(2) krb5

authunix_prot.c

bindresvport.c

clnt_generic.c

clnt_perror.c

clnt_simple.c

get_myaddress.c

getrpcent.c

pmap_getmaps.c

pmap_getport.c

rpc_callmsg.c

rpc_commdata.c

rpc_dtablesize.c

svc_auth_unix.c

types.hin

xdr_alloc.c

xdr_reference.c

possibly

also the following :

include/gssrpc/auth.h

include/gssrpc/auth_unix.h

include/gssrpc/clnt.h

include/gssrpc/netdb.h

include/gssrpc/pmap_clnt.h

include/gssrpc/pmap_prot.h

include/gssrpc/pmap_rmt.h

include/gssrpc/rpc.h

include/gssrpc/rpc_msg.h

include/gssrpc/svc_auth.h

include/gssrpc/svc.h

include/gssrpc/types.hin

include/gssrpc/xdr.h

kadmin/server/ovsec_kadmd.c

lib/rpc/auth_none.c

lib/rpc/auth_unix.c

lib/rpc/authunix_prot.c

lib/rpc/bindresvport.c

lib/rpc/clnt_generic.c

lib/rpc/clnt_perror.c

lib/rpc/clnt_raw.c

lib/rpc/clnt_simple.c

lib/rpc/clnt_tcp.c

lib/rpc/clnt_udp.c

lib/rpc/get_myaddress.c

lib/rpc/getrpcent.c

lib/rpc/getrpcport.c

lib/rpc/pmap_clnt.c

lib/rpc/pmap_getmaps.c

lib/rpc/pmap_getport.c

lib/rpc/pmap_prot2.c

lib/rpc/pmap_prot.c

lib/rpc/pmap_rmt.c

lib/rpc/rpc_callmsg.c

lib/rpc/rpc_commdata.c

lib/rpc/rpc_dtablesize.c

lib/rpc/rpc_prot.c

lib/rpc/svc_auth.c

lib/rpc/svc_auth_unix.c

lib/rpc/svc.c

lib/rpc/svc_raw.c

lib/rpc/svc_run.c

lib/rpc/svc_simple.c

lib/rpc/svc_tcp.c

lib/rpc/svc_udp.c

lib/rpc/unit-test/server.c

lib/rpc/xdr_alloc.c

lib/rpc/xdr_array.c
lib/rpc/xdr.c
lib/rpc/xdr_float.c

lib/rpc/xdr_mem.c
lib/rpc/xdr_rec.c
lib/rpc/xdr_reference.c

lib/rpc/xdr_sizeof.c
lib/rpc/xdr_stdio.c

(3)

glibc

auth_des.c
authdes_prot.c
auth.h
auth_none.c
auth_unix.c
auth_unix.h
authuxprot.c
bindrsvprt.c
bootparam_prot.x
clnt_gen.c
clnt.h
clnt_perr.c
clnt_raw.c
clnt_simp.c
clnt_tcp.c
clnt_udp.c
clnt_unix.c
des_crypt.c
des_crypt.h
des_soft.c
get_myaddr.c
getrpcport.c
key_call.c
key_prot.c
key_prot.h
key_prot.x
klm_prot.x
mount.x
netdb.h
nfs_prot.x
nlm_prot.x

openchild.c
pmap_clnt.c
pmap_clnt.h
pmap_prot2.c
pmap_prot.c
pmap_prot.h
pmap_rmt.c
pmap_rmt.h
pm_getmaps.c
pm_getport.c
rex.x
rpc_clntout.c
rpc_cmsg.c
rpc_common.c
rpc_cout.c
rpc_des.h
rpc_dtable.c
rpc.h
rpc_hout.c
rpcinfo.c
rpc_main.c
rpc_msg.h
rpc_parse.c
rpc_parse.h
rpc_prot.c
rpc_sample.c
rpc_scan.c
rpc_scan.h
rpc_svcout.c
rpc_tblout.c
rpc_util.c
rpc_util.h
rstat.x
rtime.c
rusers.x
sm_inter.x
spray.x
svc_auth.c
svcauth_des.c
svc_auth.h
svc_authux.c
svc.c
svc.h
svc_raw.c
svc_run.c
svc_simple.c
svc_tcp.c
svc_udp.c

svc_unix.c
types.h
xcrypt.c
xdr_array.c
xdr.c
xdr_float.c
xdr.h
xdr_mem.c
xdr_rec.c
xdr_ref.c
xdr_sizeof.c
xdr_stdio.c
yppasswd.x

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Wim Coekaerts
Senior Vice President
Linux and Virtualization Engineering
Oracle Corporation

1.11 tcl-tk 8.3.4

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1.12 tirpc 2.3

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CC: Elena Zannoni <elena.zannoni@oracle.com>
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(2) krb5

authunix_prot.c

bindresvport.c

clnt_generic.c

clnt_perror.c

clnt_simple.c

get_myaddress.c

getrpcent.c

pmap_getmaps.c
pmap_getport.c
rpc_callmsg.c
rpc_commdata.c
rpc_dtablesize.c
svc_auth_unix.c
types.hin
xdr_alloc.c
xdr_reference.c

possibly

also the following :

include/gssrpc/auth.h

include/gssrpc/auth_unix.h

include/gssrpc/clnt.h

include/gssrpc/netdb.h

include/gssrpc/pmap_clnt.h

include/gssrpc/pmap_prot.h

include/gssrpc/pmap_rmt.h

include/gssrpc/rpc.h

include/gssrpc/rpc_msg.h

include/gssrpc/svc_auth.h

include/gssrpc/svc.h

include/gssrpc/types.hin

include/gssrpc/xdr.h

kadmin/server/ovsec_kadmd.c

lib/rpc/auth_none.c

lib/rpc/auth_unix.c

lib/rpc/authunix_prot.c

lib/rpc/bindresvport.c

lib/rpc/clnt_generic.c

lib/rpc/clnt_perror.c

lib/rpc/clnt_raw.c

lib/rpc/clnt_simple.c

lib/rpc/clnt_tcp.c

lib/rpc/clnt_udp.c

lib/rpc/get_myaddress.c

lib/rpc/getrpcent.c

lib/rpc/getrpcport.c

lib/rpc/pmap_clnt.c

lib/rpc/pmap_getmaps.c

lib/rpc/pmap_getport.c

lib/rpc/pmap_prot2.c

lib/rpc/pmap_prot.c

lib/rpc/pmap_rmt.c

lib/rpc/rpc_callmsg.c

lib/rpc/rpc_commdata.c

lib/rpc/rpc_dtablesize.c

lib/rpc/rpc_prot.c

lib/rpc/svc_auth.c

lib/rpc/svc_auth_unix.c

lib/rpc/svc.c

lib/rpc/svc_raw.c

lib/rpc/svc_run.c

lib/rpc/svc_simple.c

lib/rpc/svc_tcp.c

lib/rpc/svc_udp.c

lib/rpc/unit-test/server.c

lib/rpc/xdr_alloc.c

lib/rpc/xdr_array.c

lib/rpc/xdr.c

lib/rpc/xdr_float.c

lib/rpc/xdr_mem.c

lib/rpc/xdr_rec.c

lib/rpc/xdr_reference.c

lib/rpc/xdr_sizeof.c

lib/rpc/xdr_stdio.c

(3) glibc

auth_des.c
authdes_prot.c
auth.h
auth_none.c
auth_unix.c
auth_unix.h
authuxprot.c
bindsvprt.c
bootparam_prot.x
clnt_gen.c
clnt.h
clnt_perr.c
clnt_raw.c
clnt_simp.c
clnt_tcp.c
clnt_udp.c
clnt_unix.c
des_crypt.c
des_crypt.h
des_soft.c
get_myaddr.c
getrpcport.c
key_call.c
key_prot.c
key_prot.h
key_prot.x
klm_prot.x
mount.x
netdb.h
nfs_prot.x
nlm_prot.x
openchild.c
pmap_clnt.c
pmap_clnt.h
pmap_prot2.c
pmap_prot.c
pmap_prot.h
pmap_rmt.c
pmap_rmt.h
pm_getmaps.c
pm_getport.c
rex.x
rpc_clntout.c
rpc_cmsg.c
rpc_common.c
rpc_cout.c
rpc_des.h

rpc_dtable.c
rpc.h
rpc_hout.c
rpcinfo.c
rpc_main.c
rpc_msg.h
rpc_parse.c
rpc_parse.h
rpc_prot.c
rpc_sample.c
rpc_scan.c
rpc_scan.h
rpc_svcout.c
rpc_tblout.c
rpc_util.c
rpc_util.h
rstat.x
rtime.c
rusers.x
sm_inter.x
spray.x
svc_auth.c
svcauth_des.c
svc_auth.h
svc_authux.c
svc.c
svc.h
svc_raw.c
svc_run.c
svc_simple.c
svc_tcp.c
svc_udp.c
svc_unix.c
types.h
xcrypt.c
xdr_array.c
xdr.c
xdr_float.c
xdr.h
xdr_mem.c
xdr_rec.c
xdr_ref.c
xdr_sizeof.c
xdr_stdio.c
yppasswd.x

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Wim Coekaerts
Senior Vice President
Linux and Virtualization Engineering
Oracle Corporation

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1.13 regex 3.8a

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Ty Coon, President of Vice

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02110-1301, USA. */

```
gcc/libstdc++-v3/src/ctype.cc (for libstdc++)
```

```
-----
```

```
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```

1.15 parson 1.0

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```
/*
```

```
Parson ( http://kgabis.github.com/parson/ )  
Copyright (c) 2012 Krzysztof Gabis
```

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*/

```
#ifndef parson_parson_h
#define parson_parson_h
```

```
#ifdef __cplusplus
extern "C"
{
#endif
```

```
#include <stddef.h> /* size_t */
```

```
/* Types and enums */
```

```
typedef struct json_object_t JSON_Object;
typedef struct json_array_t JSON_Array;
typedef struct json_value_t JSON_Value;
```

```
typedef enum json_value_type {
    JSONError = 0,
    JSONNull = 1,
    JSONString = 2,
    JSONNumber = 3,
    JSONObject = 4,
    JSONArray = 5,
    JSONBoolean = 6
} JSON_Value_Type;
```

```
/* Parses first JSON value in a file, returns NULL in case of error */
JSON_Value * json_parse_file(const char *filename);
```

```
/* Parses first JSON value in a string, returns NULL in case of error */
JSON_Value * json_parse_string(const char *string);
```



```

/* JSON Object */
JSON_Value * json_object_get_value (const JSON_Object *object,
    const char *name);
const char * json_object_get_string (const JSON_Object *object, const char *name);
JSON_Object * json_object_get_object (const JSON_Object *object, const char *name);
JSON_Array * json_object_get_array (const JSON_Object *object, const char *name);
double    json_object_get_number (const JSON_Object *object, const char *name);
int       json_object_get_boolean(const JSON_Object *object, const char *name);

/* dotget functions enable addressing values with dot notation in nested objects,
just like in structs or c++/java/c# objects (e.g. objectA.objectB.value).
Because valid names in JSON can contain dots, some values may be inaccessible
this way. */
JSON_Value * json_object_dotget_value (const JSON_Object *object, const char *name);
const char * json_object_dotget_string (const JSON_Object *object, const char *name);
JSON_Object * json_object_dotget_object (const JSON_Object *object, const char *name);
JSON_Array * json_object_dotget_array
    (const JSON_Object *object, const char *name);
double    json_object_dotget_number (const JSON_Object *object, const char *name);
int       json_object_dotget_boolean(const JSON_Object *object, const char *name);

/* Functions to get available names */
size_t    json_object_get_count(const JSON_Object *object);
const char * json_object_get_name (const JSON_Object *object, size_t index);

/* JSON Array */
JSON_Value * json_array_get_value (const JSON_Array *array, size_t index);
const char * json_array_get_string (const JSON_Array *array, size_t index);
JSON_Object * json_array_get_object (const JSON_Array *array, size_t index);
JSON_Array * json_array_get_array (const JSON_Array *array, size_t index);
double    json_array_get_number (const JSON_Array *array, size_t index);
int       json_array_get_boolean(const JSON_Array *array, size_t index);
size_t    json_array_get_count (const JSON_Array *array);

/* JSON Value */
JSON_Value_Type
    json_value_get_type (const JSON_Value *value);
JSON_Object * json_value_get_object (const JSON_Value *value);
JSON_Array * json_value_get_array (const JSON_Value *value);
const char * json_value_get_string (const JSON_Value *value);
double    json_value_get_number (const JSON_Value *value);
int       json_value_get_boolean(const JSON_Value *value);
void      json_value_free (JSON_Value *value);

#ifdef __cplusplus
}
#endif

```

#endif

1.16 endianh 1.0

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*

* @(#)endian.h 7.9 (Berkeley) 6/19/92

*/

1.17 poulhenningkampinflate 1

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*-----
*
*/
```

1.18 catalyst-4k-srcgalaxymathh 1

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```

1.19 netbsd-source-usr 1.0

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- */

1.20 iosionplatform 1

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1.21 catalyst-2k-3k-ibm-ppc-library 1

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/*

* ioLib/ioLib.s, openbios_walnut, walnut_bios 6/17/99 12:54:45

*-----+

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*-----
*-----
*
* File Name: ioLib.s
*
* Function: C-callable assembler functions for I/O.
*
* Author: Bill DeStein.
*
* Change Activity-
*
* Date Description of Change BY
* -----
* 13-Aug-92 Created WCD
* 27-May-94 Port to Oak MPT
* 24-Apr-95 Port to Metaware JWB
* 26-Apr-99 Port to Walnut (added in and out byte reversed routines) JWB
*
*-----

```

1.22 inflate-c c10p1

1.22.1 Available under license :

```

/* $Id: inflate.c,v 3.2.60.1 1996/03/18 19:11:09 gstovall Exp $
* $Source: /release/111/cvs/Xsys/czip/inflate.c,v $
*-----
* inflate.c - unzip inflate
*
* December 1994, Michael Beesley
*
* Copyright (c) 1990-1997, 2001, 2004-2005, 2007 by cisco Systems, Inc.
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*
*-----
* $Log: inflate.c,v $
* Revision 3.2.60.1 1996/03/18 19:11:09 gstovall
* Branch: California_branch

```

```

* Elvis has left the building. He headed out to California, and took the
* port ready changes with him.
*
* Revision 3.2.26.2 1996/03/07 08:42:15 mdb
* Branch: DeadKingOnAThrone_branch
* cisco and ANSI/POSIX libraries.
*
* Revision 3.2.26.1 1996/02/20 13:44:31 dstine
* Branch: DeadKingOnAThrone_branch
*   Sync from DeadKingOnAThrone_baseline_960122 to
*   DeadKingOnAThrone_baseline_960213
*
* Revision
3.2 1995/11/17 08:58:13 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 11:15:19 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.2 1995/06/23 22:23:30 mbeesley
* CSCdi36360: 95q1 compiler fails to build czip_elf
* Work-around the compiler bug by declaring variables static.
* This allows zipped images for c4500, rsp to ship in 11.0.
*
* Revision 2.1 1995/06/07 20:22:19 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
* $Endlog$
*/
/* inflate.c -- Not copyrighted 1992 by Mark Adler
   version c10p1, 10 January 1993 */

/* You can do whatever you like with this source file, though I would
   prefer that if you modify it and redistribute it that you include
   comments to that effect with your name and the date. Thank you.
   [The history has been moved to the file ChangeLog.]
*/

```

1.23 asn-cmu v1

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```

/*****

```

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1.24 radix 4.4BSD

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*
* @(#)radix.c 8.4 (Berkeley) 11/2/94
* \$FreeBSD: src/sys/net/radix.c,v 1.20.2.3 2002/04/28 05:40:25 suz Exp
\$
*/

1.25 ipch 8.3

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*
* @(#)ipc.h 8.3 (Berkeley) 1/21/94
*/

1.26 freebsd-tty-headers n/a

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 * @(#)ttydefaults.h 8.4 (Berkeley) 1/21/94
 * \$FreeBSD: src/sys/sys/ttydefaults.h,v 1.13.2.1 2001/03/06 03:37:08 jkh Exp \$
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* @(#)ttycom.h 8.1 (Berkeley) 3/28/94

* \$FreeBSD: src/sys/sys/ttycom.h,v 1.16 2000/01/29 16:47:35 peter Exp \$

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* @(#)ttychars.h 8.2 (Berkeley) 1/4/94

* \$FreeBSD: src/sys/sys/ttychars.h,v 1.7 1999/08/28 00:52:06 peter

Exp \$

*/

1.27 tputs-c 4.4BSD? via NetBSD

1.27.1 Available under license :

```
/* $NetBSD: tputs.c,v 1.23 2005/05/15 21:11:13 christos Exp $ */

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1.29 termcap 4.4BSD? via OpenBSD

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```

/* $OpenBSD: termcap.c,v 1.7 2009/10/27 23:59:46 deraadt Exp $ */
/* $NetBSD: termcap.c,v 1.7 1995/06/05 19:45:52 pk Exp $ */

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1.30 pcap-bpf-h 1.34

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*
*   @(#)bpf.h    7.1 (Berkeley) 5/7/91
*
* @(#) $Header: /tcpdump/master/libpcap/pcap-bpf.h,v 1.34 2005/02/08 20:03:15 guy Exp $ (LBL)
*/

```

1.31 sem-h 4.4BSD? via NetBSD

1.31.1 Available under license :

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/*   $NetBSD: sem.h,v 1.5 2006/02/11 20:15:53 cube Exp $   */

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 * from: @(#)sem.h 8.1 (Berkeley) 6/6/93
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1.32 ftp-h 4.4BSD?

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* @(#)ftp.h 8.1 (Berkeley) 6/2/93
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1.33 tftp-h 4.4BSD? via FreeBSD

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* @(#)tftp.h 8.1 (Berkeley) 6/2/93
* $FreeBSD: /repopman/r/ncvs/src/include/arpa/tftp.h,v 1.3.6.1 2002/08/14 21:59:26
* peter Exp $
*/
```

1.34 minix 3

1.34.1 Available under license :

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```

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* \$FreeBSD: src/lib/libc/inet/inet_network.c,v 1.6 1999/11/04 04:30:44 ache Exp \$

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/* \$NetBSD: scanf.c,v 1.12 2003/08/07 16:43:31 agc Exp \$ */

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1.36 yajl 2.1.0

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1.37 berkeley-db 5.3.28

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```

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```

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<title>Berkeley DB: Berkeley DB Product License</title>
```

```
<meta name="description" content="Berkeley DB: An embedded database programmatic toolkit.">
```

```
<meta name="keywords"
```

```
content="embedded,database,programmatic,toolkit,btree,hash,hashing,transaction,transactions,locking,logging,access method,access methods,Java,C,C++">
```

```
</head>
```

```
<body bgcolor=white>
```

```
<p align=center><b>Berkeley DB Product License</b></p>
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```
</body>
```

```
</html>
```

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1.38 fipscheck 1.4.1 6.el7

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1.40 curl 7.61.0

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=====

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1.41 zlib 1.2.11

1.41.1 Available under license :

/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

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Jean-loup Gailly Mark Adler
jloup@gzip.org madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

*/

1.42 glibc 2.28

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@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
@end smallexample
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That's all there is to it!

```
/* _setjmp is implemented in setjmp.S */
```

```
/* setjmp is implemented in setjmp.S */
```

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1.45 python-pip 9.0.1-6.ph2

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1.46 openssl 1.1.1c

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When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This

license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because

of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must

itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must

be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition,

mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do

this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the

Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy

from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

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This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

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Each

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the library's name and a brief idea of what it does.>  
Copyright (C) <year>  
<name of author>
```

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You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary.

Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

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Version 3, 29 June 2007

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To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps:

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assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand

ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

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To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

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1. Source Code.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component

(kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

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Conveying under any other circumstances is permitted solely under

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makes it unnecessary.

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No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

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keep intact all notices of the absence of any warranty; and give all
recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

- a) The work must carry prominent notices stating that you modified it, and giving a relevant date.
- b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to
"keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the

Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

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1.48 openssh 7.4p1-21.el7

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- The make-ssh-known-hosts script is no longer included

- TSS has been removed

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[The licence continues]

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*
* Optimised ANSI C code for the Rijndael cipher (now AES)
*
* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the

library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or

table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate

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1.59 ncurses 6.1-7.20180224.el8

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```
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1.67 zlib 1.2.7 18.el7

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1.68 hostname 3.20 6.el8

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```
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```

```
<signature of Ty Coon>, 1 April 1989
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```
<one line to give the program's name and a brief idea of what it does.>  
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```

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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
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under certain conditions; type `show c' for details.
```

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program  
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>,
```

1 April 1989

Ty Coon, President of Vice

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1.75 libutempter 1.1.6 14.el8

1.75.1 Available under license :

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Version 2.1, February 1999

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline

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Otherwise, if the work is a derivative of the Library, you may distribute the object

code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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That's all there is to it!

1.76 pcre 8.42 4.el8

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THE BASIC LIBRARY FUNCTIONS

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1.77 libsigsegv 2.11 5.el8

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1.82 libgpg-error 1.31 1.e18

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object

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If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it

free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) 19yy <name of author>
```

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Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) 19yy name of author  
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program  
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

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In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may

distribute the object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above

specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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1.90 cracklib 2.9.6 15.el8

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute

the object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

^L

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2)

will operate properly with a modified version of the library, if the user installs one, as long as the modified version is

interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

^L

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a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>

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Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
This package was debianized by Jean Pierre LeJacq <jplejacq@quoininc.com> on Wed, 25 Feb 1998. Martin Pitt <martin@piware.de> was the package's maintainer up to version 2.7.19-1. The current maintainer is Jan Dittberner <jandd@debian.org>.

It was downloaded from <http://sourceforge.net/projects/cracklib>

Copyright (c) 1993 Alec Muffett <alecm@crypto.dircon.co.uk>,
Copyright (c) 2005-2009 Nathan Neulinger <nneul@umr.edu>,
Copyright (c) 2008-2009 Jan Dittberner <jan@dittberner.info>

Modifications: Added cronjob, configuration file, and man pages.

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Copyright information:

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett. Cracklib's license was changed from the GPL to the LGPL after consensus of all previous developers in October 2008, effective with release 2.8.15 released on 2009-11-19. See the email discussion below for both license changes.

EFFECTIVE

OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)

Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

[Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML

looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=
r=20

GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18
I understand that, and you're welcome to bring it up with Alec directly
and see if he wants to relicense his code as LGPL... but at this point,
it was enough to just get it consistent and documented as to what it was
released under. This wasn't
actually a license change, just a
clarification of the licensing that was already in place.=20

-- Nathan
=20

Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:15 PM
> To: cracklib-devel@li...
> Subject: [Cracklib-devel] cracklib license
>=20
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing
> libraries under
> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
> -mike

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML

On Monday 01 October 2007, Neulinger, Nathan wrote:

> I understand that, and you're welcome to bring it up with Alec directly
> and see if he wants to relicense his code as LGPL... but at this point,
> it was enough to just get it consistent and documented as to what it was
> released under. This wasn't actually a license change, just a
> clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not=20
GPL-2 ... it was a modified artistic license ... i didnt notice the license=
=20
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=

eir=20
applications are also GPL-2 which imo is just wrong. it isnt the place of =
a=20
library to dictact to application writes what license they should be using.=
=20
thus LGPL-2.1 enters to fill this void.
=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46
Seems like the ideal thing here would be for you and the other distro
maintainers to get together with Alec in a conversation and come to a
decision as to what licensing scheme y'all want. I haven't really done
much other than cleaning up the packaging and patches and a small bit of
additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan
=20

Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:33 PM
> To: Neulinger, Nathan
>

Cc: cracklib-devel@li...; Alec Muffett
> Subject: Re: [Cracklib-devel] cracklib license
>=20
> On Monday 01 October 2007, Neulinger, Nathan wrote:
> > I understand that, and you're welcome to bring it up with Alec
> directly
> > and see if he wants to relicense his code as LGPL... but at this
> point,
> > it was enough to just get it consistent and documented as to what
> it was
> > released under. This wasn't actually a license change, just a
> > clarification of the licensing that was already in place.
>=20
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> not
> GPL-2 ... it was a modified artistic license ... i didnt notice the
> license

> change until it was mentioned in the latest notes.
>=20
> unlike the old license, GPL-2 prevents people from using cracklib
> unless their
> applications are also GPL-2 which imo is just wrong. it isnt
the
> place of a
> library to dictact to application writes what license they should
> be using.
> thus LGPL-2.1 enters to fill this void.
> -mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57

> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.

I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be
linked with any code, not just GPL...

-a

Re: [Cracklib-devel] cracklib license

From: Devin Reade <gdr@gn...> - 2007-10-02 15:04

I would

like to see it under LGPL as well. I think it is in everyone's
best interests to have as secure systems as possible, and I think tainting
it via GPL will just make it less likely that the library gets used, and
will not usually cause companies/developers to GPL the dependent code
(where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct
license in this situation.

Devin

--

If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license

From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32

On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

>> Seems like the ideal thing here would be for you and the other distro
>> maintainers to get together with Alec in a conversation and come to a
>> decision as to what licensing scheme y'all want. I haven't really done
>> much other than cleaning up the packaging and patches

and a small

>> bit of
>> additional code, so whatever licensing y'all come up with is fine
>> by me.

>

> I am sympathetic. Guys, what do you reckon?

>

> What I am hearing so far is that LGPL makes sense, since it can be
> linked with any code, not just GPL...

My apologies for not chiming in in anything resembling a reasonable timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the GPL would permit applications which were released under version 3 of the GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:

> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

>>> Seems like the ideal thing here would be for you and the other distro
>>> maintainers to get together with Alec in a conversation and come to a
>>> decision as to what licensing scheme y'all want. I haven't really done
>>> much other than cleaning up the packaging and patches and a small

>>> bit of

>>> additional code, so whatever licensing y'all come up with is fine

>>> by me.

>>

>> I am sympathetic. Guys, what do you reckon?

>>
>> What I am hearing so far is that LGPL makes sense, since it can be
>> linked with any code, not just GPL...
>
> My apologies for not chiming in in anything resembling a reasonable
> timeframe.
>
> I'd also suggest the LGPL, for the reason you noted above. Alternately,
> GPLv2 with the option of using the library under a later version of the
> GPL would permit applications which were released under version 3 of the
> GPL to use the library, too, which would be sufficient for the packages
> which are included in Fedora. FWIW, I'd personally lean toward LGPL.
>
> In any case, I thank you both for working on sorting this out.

looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
the change now ?

-mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18

>> In any case, I thank you both for working on sorting this out.

>

> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
> the change now ?

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message

as HTML

On Sunday 05 October 2008, Alec Muffett wrote:

>>> In any case, I thank you both for working on sorting this out.

>>

>> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we
>> make the change now ?

>

> yes. go for it. thanks++

Nathan Neulinger is the only one who can actually make said change ...

-mike

BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use
nneul@neulinger.org.

From alecm@crypticide.com Mon Oct 1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id I91Gxtpr020623
for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
for <nneul@neulinger.org>; Mon, 1 Oct
2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3])
by rutherford.zen.co.uk with esmtp (Exim 4.50)
id I1cOcX-0004Qt-6L
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>

Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status:
RO
Content-Length: 585
Lines: 21

>
> ----- Forwarded message -----
> From: Neulinger, Nathan <nneul@umr.edu>
> Date: Sep 27, 2007 2:58 PM
> Subject: RE: cracklib license
> To: alecm@crypto.dircon.co.uk
>
> Any chance you could write me a self-contained email stating clearly
> that the license is being changed to GPL, so I could include that
> email
> in the repository and clean up the repository/tarballs? I have all the
> original discussion, but something succinct and self contained
> would be
> ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected
in released code until Nov 2009 - slow release cycle...)

Discussion thread from mailing list archive, with approval from everyone actively
involved or holding original licensing rights included.

[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML

looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=
r=20
GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=2Dmike

Re: [Cracklib-devel] cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18

I understand that, and you're welcome to bring it up with Alec directly
and see if he wants to relicense his code as LGPL... but at this point,
it was enough to just get it consistent and documented as to what it was
released under. This wasn't actually a license change, just a
clarification of the licensing that was already in place.=20

-- Nathan

=20

Nathan Neulinger EMail: nneul@um...

University of Missouri - Rolla Phone: (573) 341-6679

UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----

> From: cracklib-devel-bounces@li...

> [mailto:cracklib-devel-bounces@li...] On Behalf Of

> Mike Frysinger

> Sent: Monday, October 01, 2007 8:15 PM

> To: cracklib-devel@li...

> Subject: [Cracklib-devel] cracklib license

>=20

> looks like 2.8.11 is out and marked as "GPL-2" ... releasing

> libraries under

> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists

> -mike

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML

On Monday 01 October 2007, Neulinger, Nathan

wrote:

> I understand that, and you're welcome to bring it up with Alec directly

> and see if he wants to relicense his code as LGPL... but at this point,

> it was enough to just get it consistent and documented as to what it was

> released under. This wasn't actually a license change, just a

> clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not=20
GPL-2 ... it was a modified artistic license ... i didnt notice the license=
=20
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=
eir=20
applications are also GPL-2 which imo is just wrong. it isnt the place of =
a=20
library to dictact to application writes what license they should be using.=
=20
thus LGPL-2.1 enters to fill this void.
=2Dmike

Re: [Cracklib-devel]

cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46

Seems like the ideal thing here would be for you and the other distro
maintainers to get together with Alec in a conversation and come to a
decision as to what licensing scheme y'all want. I haven't really done
much other than cleaning up the packaging and patches and a small bit of
additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan

=20

Nathan Neulinger EMail: nneul@um...

University of Missouri - Rolla Phone: (573) 341-6679

UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----

> From: cracklib-devel-bounces@li...

> [mailto:cracklib-devel-bounces@li...] On Behalf Of

> Mike Frysinger

> Sent: Monday, October 01, 2007 8:33 PM

> To: Neulinger, Nathan

> Cc: cracklib-devel@li...; Alec Muffett

> Subject: Re: [Cracklib-devel] cracklib license

>=20

> On Monday 01 October 2007, Neulinger, Nathan wrote:

>> I understand that, and you're welcome to bring it up with Alec

> directly

>> and see if he wants to relicense his code as LGPL... but at this

> point,

>> it was enough to just get it consistent and documented as to what

> it was

> > released under. This wasn't actually a license change, just a
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> GPL-2 ... it was a modified artistic license ... i didnt notice the
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> change until it was mentioned in the latest notes.
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> unless their
> applications are also GPL-2 which imo is just wrong. it isnt the
> place of a
> library
to dictact to application writes what license they should
> be using.
> thus LGPL-2.1 enters to fill this void.
> -mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57

> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.

I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be
linked with any code, not just GPL...

-a

Re: [Cracklib-devel] cracklib license

From: Devin Reade <gdr@gn...> - 2007-10-02 15:04

I would like to see it under LGPL as well. I
think it is in everyone's
best interests to have as secure systems as possible, and I think tainting
it via GPL will just make it less likely that the library gets used, and
will not usually cause companies/developers to GPL the dependent code
(where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct

license in this situation.

Devin

--

If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license

From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32

On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

>> Seems like the ideal thing here would be for you and the other distro
>> maintainers to get together with Alec in a conversation and come to a
>> decision as to what licensing scheme y'all want. I haven't really done
>> much other than cleaning up the packaging and patches and a small
>> bit of
>> additional

code, so whatever licensing y'all come up with is fine

>> by me.

>

> I am sympathetic. Guys, what do you reckon?

>

> What I am hearing so far is that LGPL makes sense, since it can be

> linked with any code, not just GPL...

My apologies for not chiming in in anything resembling a reasonable
timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately,
GPLv2 with the option of using the library under a later version of the
GPL would permit applications which were released under version 3 of the
GPL to use the library, too, which would be sufficient for the packages
which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:

> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

>>> Seems like the ideal thing here would be for you and the other distro

>>> maintainers to get together with Alec in a conversation and come to a
>>> decision as to what licensing scheme y'all want. I haven't really done
>>> much other than cleaning up the packaging and patches and a small
>>> bit of
>>> additional code, so whatever licensing y'all come up with is fine
>>> by me.
>>
>> I am sympathetic. Guys, what do you reckon?
>>
>> What I am hearing so far is that LGPL makes sense, since it can be
>> linked with any code, not just GPL...
>
> My apologies for not chiming in in anything resembling a reasonable
> timeframe.
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> I'd also suggest the LGPL, for the reason you noted above. Alternately,
> GPLv2 with the option of using
the library under a later version of the
> GPL would permit applications which were released under version 3 of the
> GPL to use the library, too, which would be sufficient for the packages
> which are included in Fedora. FWIW, I'd personally lean toward LGPL.
>
> In any case, I thank you both for working on sorting this out.

looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
the change now ?

-mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18

>> In any case, I thank you both for working on sorting this out.

>

> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
> the change now ?

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML

On Sunday 05 October

2008, Alec Muffett wrote:

>>> In any case, I thank you both for working on sorting this out.

>>
>> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we
>> make the change now ?
>
> yes. go for it. thanks++

Nathan Neulinger is the only one who can actually make said change ...
-mike

BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

From
alecm@crypticide.com Mon Oct 1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id 191Gxtp020623
for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from

[82.68.43.14] (helo=[192.168.1.3])
by rutherford.zen.co.uk with esmtp (Exim 4.50)
id 1IcOcX-0004Qt-6L
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length:
585
Lines: 21

>
> ----- Forwarded message -----
> From: Neulinger, Nathan <nneul@umr.edu>
> Date: Sep 27, 2007 2:58 PM
> Subject: RE: cracklib license
> To: alecm@crypto.dircon.co.uk
>
> Any chance you could write me a self-contained email stating clearly
> that the license is being changed to GPL, so I could include that
> email
> in the repository and clean up the repository/tarballs? I have all the
> original discussion, but something succinct and self contained
> would be
> ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

1.91 findutils 4.6.0 20.el8

1.91.1 Available under license :

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Version 3, 29 June 2007

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Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains
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of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

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- c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This

License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

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6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the

written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge.

You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute

modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object

code is in no case prevented or interfered with solely because modification has been made.

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1.93 libassuan 2.5.1 3.e18

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>
```

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by

the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

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Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

```
<program> Copyright (C) <year> <name of author>  
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
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Version 3, 29 June 2007

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A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

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If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

- a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the

function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.

3. Object Code Incorporating Material from Library Header Files.

The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

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d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form

suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)

5. Combined Libraries.

You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

- a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.
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1.95 libnsl 1.2.0 2.20180605git4a062cf.e18

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Version 2.1, February 1999

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

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Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file

that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the

Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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```

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library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
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That's all there is to it!

1.96 libyaml 0.1.7 5.e18

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1.97 xz 5.2.4 3.el8

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Version 2, June 1991

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@smallexample

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```
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@var{program} Copyright (C) @var{year} @var{name of author}
This program comes with ABSOLUTELY NO WARRANTY;
for details type @samp{show w}.
This is free software, and you are welcome to redistribute it
under certain conditions; type @samp{show c} for details.
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```

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1.100 libsigsegv 2.11 5.el8

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Copyright (C) <year> <name of author>
```

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```
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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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1.101 popt 1.16 14.el8

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1.105 npth 1.5 4.el8

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1.106 passwd 0.80 2.el8

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The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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* @(#)bitstring.h 8.1 (Berkeley) 7/19/93

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One of the key reasons we got delayed on the CentOS-6 release was lack of suitable build resources, especially when we had to repeatedly build large

chunks of code. Norwood S came forward and worked with me to setup a large build machine, then tune the build process and help improve the overall build, test and validate process we were using. This build machine he donated to the project was about 5 times more capable than the entire buildsystem we had. And he did this out of his own pocket, from his

own time, and has since upgraded the machine as well. It's now a 128GB, 48 core machine, with 4 SSD's and 4 sata disks : but the key metric is that it can build from source, the entire CentOS-7 distro in under 22 hrs.

Having this capability was key in our ability to build, test and deliver CentOS-7 as rapidly as we have been able to.

We'd like to dedicate the CentOS-7 Release to Mr Norwood S, of Phoenix, AZ, USA for his continued support for the project.

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The Red Hat developers, without whom CentOS would look very different

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the Free Software Foundation; either version 2 of the License, or  
(at your option) any later version.
```

```
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Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute
it
under certain conditions; type `show c' for details.
```

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```
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`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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1.122 python-pip 9.0.3 15.e18

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1.123 ima-evm-utils 1.1 5.el8

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```

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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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1.124 libuser 0.62 23.el8

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1.125 libsepol 2.9 1.el8

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1.127 libtirpc 1.1.4 4.el8

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```
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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
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1.130 ca-certificates 2019.2.32-80.0.el8_1

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```

```
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1.131 setup 2.12.2-2.el8_1.1

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1.138 libffi 3.1-21.el8

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```

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1.144 cyrus-sasl 2.1.27-1.el8

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1.145 vim 8.0.1763-13.el8

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uganda.txt For Vim version 8.0. Last change: 2013 Jul 06

VIM REFERENCE MANUAL by Bram Moolenaar

uganda *Uganda* *copying* *copyright* *license*

SUMMARY

iccf *ICCF*

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<http://iccf-holland.org/>

<http://www.vim.org/iccf/>

<http://www.iccf.nl/>

You can also sponsor the development of Vim. Vim sponsors can vote for features. See |sponsor|. The money goes to Uganda anyway.

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 - a) If you make changes to Vim yourself, you must clearly describe in the distribution how to contact you. When the maintainer asks you (in any way) for a copy of the modified Vim you distributed, you must make your changes, including source code, available to the maintainer without fee. The maintainer reserves the right to include your changes in the official version of Vim. What the maintainer will do with your changes and under what license they will be distributed is negotiable. If there has been no negotiation

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==== end of license ====

Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.
- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.
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- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED_BY define.

Kibaale Children's Centre *kcc* *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income

(if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

donate

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are

very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:

Kibaale Children's Centre
p.o.
box 1658
Masaka, Uganda, East Africa

Sending money: *iccf-donations*

Check the ICCF web site for the latest information! See [iccf] for the URL.

USA: The methods mentioned below can be used.

Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.

For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly. Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.

Kibaale Children's Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353

If

you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse.

This will allow for tax deduction if you live in Holland.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return.

Check the ICCF web site for the latest information:
<http://iccf-holland.org/germany.html>

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is

in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number.

Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is

the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:

https://www.paypal.com/en_US/mrb/pal=XAC62PML3GF8Q

The e-mail address for sending the money to is:

Bram@iccf-holland.org

For amounts above 400 Euro (\$500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:

Postbank, account 4548774

Swift code: INGB NL 2A

IBAN: NL95 INGB 0004 5487 74

under the name "stichting ICCF Holland", Lisse

If that doesn't work:

Rabobank Lisse, account 3765.05.117

Swift code: RABO NL 2U

under the name "Bram Moolenaar", Lisse

Otherwise, send a check in euro or US dollars to the address below. Minimal amount: \$70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:

Bram Moolenaar

Finsterruetihof 1

8134 Adliswil

Switzerland

This address is expected to be valid for a long time.

vim:tw=78:ts=8:ft=help:norl:

1.146 ima-evm-utils 1.1-5.el8

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1.148 e2fsprogs 1.44.6-3.el8

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Index: tdbsa/tdb.c

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

*/

/*

- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes

-

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Appendix: How to Apply These Terms to Your New Programs

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>

Copyright (C) 19yy <name of author>

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Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY;
for details type `show w'.
```

```
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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Theodore Ts'o
23-June-2007

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Version 2, June 1991

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c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name  
of author>
```

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Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) year name of author
Gnomovision
comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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Version 2, June 1991

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled

to copy the source along with the object code.

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from <http://sourceforge.net/projects/e2fsprogs>

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

<http://sourceforge.net/projects/e2fsprogs>

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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```

DAMAGE.
#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#

all:: image

real-subdirs:: Makefile
@echo " MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image: $(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
`echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB)`)

install-shlibs install:: $(BSD_LIB)
@echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM)
-rf pic
$(RM) -f $(BSD_LIB)

```

\$(RM) -f ../\$(BSD_LIB)

This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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1.149 libmodulemd 1.8.11-4.el8_1

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1.150 libsolv 0.7.4-3.el8

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1.151 iptables 1.8.2-16.el8

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1.154 lua 5.3.4-11.el8

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release | Derived from | Year | Owner | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 | | 1991-1995 | CWI | yes |
| 1.3 thru 1.5.2 | 1.2 | 1995-1999 | CNRI | yes |
| 1.6 | 1.5.2 | 2000 | CNRI | no |
| 2.0 | 1.6 | 2000 | BeOpen.com | no |
| 1.6.1 | 1.6 | 2001 | CNRI | yes (2) |
| 2.1 | 2.0+1.6.1 | 2001 | PSF | no |
| 2.0.1 | 2.0+1.6.1 | 2001 | PSF | yes |
| 2.1.1 | 2.1+2.0.1 | 2001 | PSF | yes |
| 2.1.2 | 2.1.1 | 2002 | PSF | yes |
| 2.1.3 | 2.1.2 | 2002 | PSF | yes |
| 2.2 and above | 2.1.1 | 2001-now | PSF | yes |

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1.157 kerberos 5

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cmd/krb5/ipropl/ipropl_hdr.h
cmd/krb5/kadmin/server/ipropl_svc.c
cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c
lib/libgss/g_acquire_cred.c
lib/libgss/g_canon_name.c
lib/libgss/g_compare_name.c
lib/libgss/g_context_time.c
lib/libgss/g_delete_sec_context.c
lib/libgss/g_dsp_name.c
lib/libgss/g_dsp_status.c
lib/libgss/g_dup_name.c
lib/libgss/g_exp_sec_context.c
lib/libgss/g_export_name.c
lib/libgss/g_glue.c
lib/libgss/g_imp_name.c
lib/libgss/g_imp_sec_context.c
lib/libgss/g_init_sec_context.c
lib/libgss/g_initialize.c
lib/libgss/g_inquire_context.c
lib/libgss/g_inquire_cred.c
lib/libgss/g_inquire_names.c
lib/libgss/g_process_context.c
lib/libgss/g_rel_buffer.c
lib/libgss/g_rel_cred.c
lib/libgss/g_rel_name.c
```

lib/libgss/g_rel_oid_set.c
lib/libgss/g_seal.c
lib/libgss/g_sign.c
lib/libgss/g_store_cred.c
lib/libgss/g_unseal.c
lib/libgss/g_userok.c
lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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=====
The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c

lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation,
including
the following new or changed files:

include/ipropr_hdr.h
kadmin/server/iproprd_svc.c
lib/kdb/ipropr.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c

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1.162 net-tools 2.0-0.51.20160912git.el8

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1.165 json-c 0.99.8-2.el8

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1.166 spdylay 1.33.0-1.el8_0.1

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1.167 libevdev 4.24-5.el8

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1.168 rfcill 2.32.1-17.e18

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1.169 curl 7.61.1-11.el8

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License Mixing

=====

libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

I am not a lawyer and this is not legal advice!

One common dilemma is that [GPL](<https://www.gnu.org/licenses/gpl.html>) licensed code is not allowed to be linked with code licensed under the [Original BSD license](<https://spdx.org/licenses/BSD-4-Clause.html>) (with the announcement clause). You may still build your own copies that use them all, but distributing them as binaries would be to violate the GPL license - unless you accompany your license with an [exception](<https://www.gnu.org/licenses/gpl-faq.html#GPLIncompatibleLibs>). This particular problem was addressed when the [Modified BSD license](<https://opensource.org/licenses/BSD-3-Clause>) was created, which does not have the announcement clause that collides with GPL.

libcurl

Uses an [MIT style license](<https://curl.haxx.se/docs/copyright.html>) that is very liberal.

OpenSSL

(May be used for SSL/TLS support) Uses an Original BSD-style license with an announcement clause that makes it "incompatible" with GPL. You are not allowed to ship binaries that link with OpenSSL that includes GPL code (unless that specific GPL code includes an exception for OpenSSL - a habit

that is growing more and more common). If OpenSSL's licensing is a problem for you, consider using another TLS library.

GnuTLS

(May be used for SSL/TLS support) Uses the [LGPL](<https://www.gnu.org/licenses/lgpl.html>) license. If this is a problem for you, consider using another TLS library. Also note that GnuTLS itself depends on and uses other libs (libgcrypt and libgpg-error) and they too are LGPL- or GPL-licensed.

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mbedTLS

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##

BoringSSL

(May be used for SSL/TLS support) As an OpenSSL fork, it has the same license as that.

libressl

(May be used for SSL/TLS support) As an OpenSSL fork, it has the same license as that.

c-ares

(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

zlib

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.

MIT Kerberos

(May be used for GSS support) MIT licensed, that shouldn't collide with any other parts.

Heimdal

(May be used for GSS support) Heimdal is Original BSD licensed with the announcement clause.

GNU GSS

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libidn

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OpenLDAP

(Used for LDAP support) Uses a Modified BSD-style license. Since libcurl uses OpenLDAP as a shared library only, I have not heard of anyone that ships OpenLDAP linked with libcurl in an app.

libssh2

(Used for scp and sftp support) libssh2 uses a Modified BSD-style license.

1.170 tcp-wrappers 7.6 77.el7

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1.171 zlib 1.2.11-10.el8

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1.172 glibc 2.28-72.el8_1.1

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@center Version 2.1, February 1999

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the `Lesser` General Public License because it does *Less* to protect the user's freedom than the ordinary General Public License. It also provides other free software developers *Less* of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the

same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a ``work based on the library" and a ``work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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@enumerate 0

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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executable containing the modified Library. (It is understood
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copying library functions into the executable,
and (2) will operate
properly with a modified version of the library, if the user installs
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Ty Coon, President of Vice
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```
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```

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```
Gnomovision version 69, Copyright (C) 19yy name of author
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This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty
Coon>, 1 April 1989
Ty Coon, President of Vice
```

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1.177 gnutls 3.6.8-8.el8

1.177.1 Available under license :

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Although the Lesser General Public License is Less protective of the

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves,

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License.

Section 6 states terms for distribution of such executables.

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d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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1.181 cracklib 2.9.6-15.el8

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<one line to give the library's name and a brief idea of what it does.>

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This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
This package was debianized by Jean Pierre LeJacq <jplejacq@quoininc.com> on Wed, 25 Feb 1998. Martin Pitt <martin@piware.de> was the package's maintainer up to version 2.7.19-1. The current maintainer is Jan Dittberner <jandd@debian.org>.

It was downloaded from <http://sourceforge.net/projects/cracklib>

Copyright (c) 1993 Alec Muffett <alecm@crypto.dircon.co.uk>,
Copyright (c) 2005-2009 Nathan Neulinger <nneul@umr.edu>,
Copyright (c) 2008-2009 Jan Dittberner <jan@dittberner.info>

Modifications: Added cronjob, configuration file, and man pages.

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

A copy of the GNU Lesser General Public License 2.1 is available as /usr/share/common-licenses/LGPL-2.1 in the Debian GNU/Linux distribution or on the World Wide Web at <http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html>. You can also obtain it by writing to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA.

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CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett. Cracklib's license was changed from the GPL to the LGPL after consensus of all previous developers in October 2008, effective with release 2.8.15 released on 2009-11-19. See the email discussion below for both license changes.

EFFECTIVE

OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)

Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

[Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

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> Sent: Monday, October 01, 2007 8:15 PM
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Attachments: Message as HTML

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Nathan Neulinger is the only one who can actually make said change ...

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interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use
nneul@neulinger.org.

From alecm@crypticide.com Mon Oct 1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id 191Gxtp020623
for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
for <nneul@neulinger.org>; Mon, 1 Oct
2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3])
by rutherford.zen.co.uk with esmtp (Exim 4.50)
id 1IcOcX-0004Qt-6L
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>

X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status:
RO
Content-Length: 585
Lines: 21

>
> ----- Forwarded message -----
> From: Neulinger, Nathan <nneul@umr.edu>
> Date: Sep 27, 2007 2:58 PM
> Subject: RE: cracklib license
> To: alecm@crypto.dircon.co.uk
>
> Any chance you could write me a self-contained email stating clearly
> that the license is being changed to GPL, so I could include that
> email
> in the repository and clean up the repository/tarballs? I have all the
> original discussion, but something succinct and self contained
> would be
> ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected
in released code until Nov 2009 - slow release cycle...)

Discussion thread from mailing list archive, with approval from everyone actively
involved or holding original licensing rights included.

[Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML

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for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from
[82.68.43.14] (helo=[192.168.1.3])
by rutherford.zen.co.uk with esmtp (Exim 4.50)
id I1cOcX-0004Qt-6L
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>

<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length:
585
Lines: 21

>
> ----- Forwarded message -----
> From: Neulinger, Nathan <nneul@umr.edu>
> Date: Sep 27, 2007 2:58 PM
> Subject: RE: cracklib license
> To: alecm@crypto.dircon.co.uk
>
> Any chance you could write me a self-contained email stating clearly
> that the license is being changed to GPL, so I could include that
> email
> in the repository and clean up the repository/tarballs? I have all the
> original discussion, but something succinct and self contained
> would be
> ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

1.182 libseccomp 2.4.1-1.el8

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Version 2.1, February 1999

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1.183 rpm 4.14.2-25.el8

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```
# COPYING.other          -*- org -*-  
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#+STARTUP: showall
```

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.185 cryptsetup 2.2.0-2.el8

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1.186 sudo 1.8.25p1-8.el8_1.1

1.186.1 Available under license :

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Ackeret, Matt
Adler, Mark
Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Boardman, Spider
Bostley, P.J.
Bowes, Keith
Boyce, Keith Garry
Brantley, Michael
Braun, Rob
Bezina, Pavel
Brooks, Piete
Brown, Jerry
Burr, Michael E
Burton, Ross
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Calvin, Gary
Campbell, Aaron
Chazelas, Stephane
Cheloha, Scott
ek, Vtzslav
Coleman, Chris
Corzine, Deven T.
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Dai, Wei
Dill, David
Earickson, Jeff
Eckhardt, Drew
Edgington, Ben
Esipovich, Marc

Espie, Marc
Faigon, Ariel
Farrell, Brian
Fobes, Steve
Frysinger, Mike
G., Daniel Richard
Gailly, Jean-loup
Gelman, Stephen
Gerraty, Simon J.
Graber, Stephane
Guillory, B.
Hayman, Randy M.
Henke, Joachim
Hideaki, Yoshifuji
Hieb, Dave
Holloway, Nick
Hoover, Adam
Hunter, Michael T.
Hutchings, Ben
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Jackson, Brian
Jackson, John R.
Jackson, Richard L., Jr.
Janssen, Mark
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Kadow, Kevin
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Komarnitsky, Alek O.
Kondrashov, Nikolai
Kopeek, Daniel
Kranenburg, Paul
Krause, David
Lakin, Eric
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Levin, Dmitry V.
Libby, Kendall
Lobbes, Phillip E.
McIntyre, Jason
MacKenzie, David J.

McLaughlin, Tom
Makey, Jeff
Marchionna, Michael D.
Markham, Paul
Martinian,
Emin
Meskes, Michael
Michael, David
Miller, Todd C.
Minier, Loc
Moffat, Darren
Moldung, Jan Thomas
Morris, Charles
Mueller, Andreas
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Nikitser, Peter A.
Nussel, Ludwig
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Richards, Matt
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Rowe, William A., Jr.
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Ruusame, Elan
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Webb, Kirk
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Wieringen, Marco van
Wilk, Jakub
Winiger, Gary
Wood, David
Zacarias, Gustavo
Zolnowsky, John

The following people have worked to translate sudo into other languages:

Blttermann, Mario
Bogusz, Jakub
Buo-ren, Lin
Casagrande, Milo
Castro, Felipe
Cho, Seong-ho

Chornoivan, Yuri
Diguez, Francisco
Fontenelle, Rafael
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Kazik, Duan
Kelemen, Gbor
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Jean-loup Gailly
jloup@gzip.org

Mark Adler
madler@alumni.caltech.edu

1.187 lzw-compression 1.0

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```
/* $Id: compress_lzw.c,v 3.3.62.2 1996/07/10 22:21:52 dstine Exp $
* $Source: /release/112/cvs/Xsys/os/compress_lzw.c,v $
*-----
* compress_lzw.c - generic compress/decompress routines
*
* September 1993, Stig Thormodsrud
*
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*-----
* $Log: compress_lzw.c,v $
* Revision 3.3.62.2 1996/07/10 22:21:52 dstine
* CSCdi62471: Superfluous #include files in atalk, atm, os files
* Branch: California_branch
*
* Revision 3.3.62.1 1996/03/18 21:29:18 gstovall
* Branch: California_branch
* Elvis has left the building. He headed out to California,
and took the
* port ready changes with him.
*
* Revision 3.3.26.2 1996/03/07 10:18:00 mdb
* Branch: DeadKingOnAThrone_branch
* cisco and ANSI/POSIX libraries.
*
* Revision 3.3.26.1 1996/02/20 16:38:04 dstine
* Branch: DeadKingOnAThrone_branch
* Sync from DeadKingOnAThrone_baseline_960122 to
* DeadKingOnAThrone_baseline_960213
*
* Revision 3.3 1995/11/17 18:46:04 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.2 1995/11/17 00:17:23 gstovall
* Ladies and gentlemen, I introduce to you, the port ready commit.
*
* Revision 3.1 1995/11/09 12:44:48 shaker
* Bump version numbers from 2.x to 3.x.
```

```
*
* Revision 2.1 1995/06/07 21:54:12 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
* $Endlog$
*/
```

Found in path(s):

```
*/opt/ws_local/PERMITS_SQL/1033344783_1590682057.47/0/compress-lzw-1-zip/compress_lzw.c
```

1.188 michael-ringgaard-localization 1.0

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```

Found in path(s):

```
*/opt/ws_local/PERMITS_SQL/1033344937_1590683254.87/0/locale-2-zip/locale-2.h
```

1.189 softfloat Release 2b

1.189.1 Available under license :

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Written by John R. Hauser. This work was made possible in part by the International Computer Science Institute, located at Suite 600, 1947 Center Street, Berkeley, California 94704. Funding was partially provided by the National Science Foundation under grant MIP-9311980. The original version of this code was written as part of a project to build a fixed-point vector processor in collaboration with the University of California at Berkeley, overseen by Profs. Nelson Morgan and John Wawrzynek. More information is available through the Web page `http://www.cs.berkeley.edu/~jhauser/arithmetic/SoftFloat.html`.

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1.190 subbi 2.6.1

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20: */
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1033413672_1590684257.93/0/map3270-1-tar-gz/subbi
```

1.191 pservlet 0.3

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```

1.192 libpcap 1.9.0-3.el8

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1.193 strace 4.24-5.el8

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1.194 json-c 0.13.1-0.2.el8

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1.195 pcre 10.32-1.el8

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1.196 tcpdump 4.9.2-5.el8

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1.197 libssh 0.9.0-4.el8

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1.204 wget 1.19.5-8.el8_1.1

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```

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1.206 bzip2 1.0.6-26.el8

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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<signature of Ty Coon>, 1 April 1989

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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| Release | Derived from | Year | Owner | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 | | 1991-1995 | CWI | yes |
| 1.3 thru 1.5.2 | 1.2 | 1995-1999 | CNRI | yes |
| 1.6 | 1.5.2 | 2000 | CNRI | no |
| 2.0 | 1.6 | 2000 | BeOpen.com | no |
| 1.6.1 | 1.6 | 2001 | CNRI | yes (2) |
| 2.1 | 2.0+1.6.1 | 2001 | PSF | no |
| 2.0.1 | 2.0+1.6.1 | 2001 | PSF | yes |
| 2.1.1 | 2.1+2.0.1 | 2001 | PSF | yes |
| 2.1.2 | 2.1.1 | 2002 | PSF | yes |
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1.214 findutils 4.6.0-20.el8

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<program> Copyright (C) <year> <name of author>
```

```
This program comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.
```

```
This is free software, and you are welcome to redistribute it under certain conditions; type 'show c' for details.
```

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1.220 nghttp2 1.33.0-1.el8_0.1

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set yrange [0:]

set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024

set xtics rotate by -45

set style histogram errorbars gap 2 lw 1

set style fill solid border -1

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1.221 pycparser 2.20

1.221.1 Available under license :

pycparser -- A C parser in Python

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1.222 kerberos 1.17-9.el8

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cmd/krb5/ipropl/ipropl_hdr.h
cmd/krb5/kadmin/server/ipropl_svc.c
cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech_gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech_spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c
lib/libgss/g_acquire_cred.c
lib/libgss/g_canon_name.c
lib/libgss/g_compare_name.c
lib/libgss/g_context_time.c
lib/libgss/g_delete_sec_context.c
lib/libgss/g_dsp_name.c
lib/libgss/g_dsp_status.c
lib/libgss/g_dup_name.c
```

lib/libgss/g_exp_sec_context.c
lib/libgss/g_export_name.c
lib/libgss/g_glue.c
lib/libgss/g_imp_name.c
lib/libgss/g_imp_sec_context.c
lib/libgss/g_init_sec_context.c
lib/libgss/g_initialize.c
lib/libgss/g_inquire_context.c
lib/libgss/g_inquire_cred.c
lib/libgss/g_inquire_names.c
lib/libgss/g_process_context.c
lib/libgss/g_rel_buffer.c
lib/libgss/g_rel_cred.c
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lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c

lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation,
including
the following new or changed files:

include/ipropr_hdr.h
kadmin/server/ipropr_svc.c
lib/kdb/ipropr.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is

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limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves,

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License.

Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any executables

containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these

materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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a) Accompany the work with the complete corresponding machine-readable

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changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user

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Although the Lesser General Public License is Less protective of the

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- a) Accompany the

work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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1. Source Code.

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b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

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1.227 libpkit 0.23.14-5.el8_0

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1.228 libcap-ng 0.7.9-4.el8

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- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy

from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany

the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate

properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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Version 2, June 1991

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in

a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because

of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

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b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility

is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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```
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```
<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice
```

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The

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```
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1.231 diffutils 3.6-5.el8

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```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>
```

```
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version 2 of the License, or  
(at your option) any later version.
```

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```
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

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```
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`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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1.234 libsemanage-common 2.9-1.el8

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1.235 libcap-ng 0.7.9-5.el8

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1.237 python-pip 9.0.3-18.el8

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- Chris McDonough, 2011/02/16

- Wichert Akkerman, 2012/02/02

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A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope
Corporation, see <http://www.zope.com>). In 2001, the Python Software
Foundation (PSF, see <http://www.python.org/psf/>) was formed, a
non-profit organization created specifically to own Python-related
Intellectual Property. Zope Corporation is a sponsoring member
of
the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for
the Open Source Definition). Historically, most, but not all, Python
releases have also been GPL-compatible; the table below summarizes
the various releases.

| Release | Derived
from | Year | Owner | GPL-
compatible? (1) |
|----------------|-----------------|-----------|------------|-------------------------|
| 0.9.0 thru 1.2 | | 1991-1995 | CWI | yes |
| 1.3 thru 1.5.2 | 1.2 | 1995-1999 | CNRI | yes |
| 1.6 | 1.5.2 | 2000 | CNRI | no |
| 2.0 | 1.6 | 2000 | BeOpen.com | no |
| 1.6.1 | 1.6 | 2001 | CNRI | yes (2) |
| 2.1 | 2.0+1.6.1 | 2001 | PSF | no |
| 2.0.1 | 2.0+1.6.1 | 2001 | PSF | yes |
| 2.1.1 | 2.1+2.0.1 | 2001 | PSF | yes |

| | | | | |
|-------|-------|-----------|-----|-----|
| 2.2 | 2.1.1 | 2001 | PSF | yes |
| 2.1.2 | 2.1.1 | 2002 | PSF | yes |
| 2.1.3 | | | | |
| 2.1.2 | 2002 | PSF | yes | |
| 2.2.1 | 2.2 | 2002 | PSF | yes |
| 2.2.2 | 2.2.1 | 2002 | PSF | yes |
| 2.2.3 | 2.2.2 | 2003 | PSF | yes |
| 2.3 | 2.2.2 | 2002-2003 | PSF | yes |
| 2.3.1 | 2.3 | 2002-2003 | PSF | yes |
| 2.3.2 | 2.3.1 | 2002-2003 | PSF | yes |
| 2.3.3 | 2.3.2 | 2002-2003 | PSF | yes |
| 2.3.4 | 2.3.3 | 2004 | PSF | yes |
| 2.3.5 | 2.3.4 | 2005 | PSF | yes |
| 2.4 | 2.3 | 2004 | PSF | yes |
| 2.4.1 | 2.4 | 2005 | PSF | yes |
| 2.4.2 | 2.4.1 | 2005 | PSF | yes |
| 2.4.3 | 2.4.2 | 2006 | PSF | yes |
| 2.4.4 | 2.4.3 | 2006 | PSF | yes |
| 2.5 | 2.4 | 2006 | PSF | yes |
| 2.5.1 | 2.5 | 2007 | PSF | yes |
| 2.5.2 | 2.5.1 | 2008 | PSF | yes |
| 2.5.3 | 2.5.2 | 2008 | PSF | yes |
| 2.6 | 2.5 | 2008 | PSF | yes |
| 2.6.1 | 2.6 | 2008 | PSF | yes |
| 2.6.2 | 2.6.1 | 2009 | PSF | yes |
| 2.6.3 | 2.6.2 | 2009 | PSF | yes |
| 2.6.4 | 2.6.3 | 2009 | PSF | yes |
| 2.6.5 | 2.6.4 | 2010 | PSF | yes |
| 2.7 | 2.6 | 2010 | PSF | yes |

Footnotes:

(1) GPL-compatible doesn't mean that we're distributing Python under the GPL. All Python licenses, unlike the GPL, let you distribute a modified version without making your changes open source. The GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't.

(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is

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```

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1.245 libarchive 3.3.2 8.el8_1

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1.246 nghttp2 1.33.0 3.e18_2.1

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set yrange [0:]

set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024

set xtics rotate by -45

set style histogram errorbars gap 2 lw 1

set style fill solid border -1

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1.247 open-ldap 2.4.46 11.el8_1

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1.248 passwd 0.80 3.el8

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1.249 polycoreutils 2.9 9.e18

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the version number 2.1.]

Preamble

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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a)

Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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1.251 which 2.21 12.e18

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Version 3, 29 June 2007

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Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

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A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The

"System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

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```
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```

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1.254 libffi 3.1-22.el8

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1.255 brotli 1.0.6-1.el8

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1.256 libtasn 4.13-3.el8

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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```

```
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```
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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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1.265 selinux 2.9-2.1.el8

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1.266 six 1.15.0

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The primary author and maintainer of six is Benjamin Peterson. He would like to acknowledge the following people who submitted bug reports, pull requests, and otherwise worked to improve six:

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1.267 cffi 1.14.4

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1.268 libusb 1.0.23-4.el8

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Any

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1.273 lxml 4.6.2

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A "covered work" means either the unmodified Program or a work based on the Program.

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1. Source Code.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The

"System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

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and valid for as

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- c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

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```

```
* /opt/cola/permits/1125786974_1612762024.23/0/tangdixi-dcpathbutton-2-1-4-0-gdd7873d-tar-gz/Tangdixi-DCPathButton-ecfc086/Example-Swift/Example-Swift-Bridging-Header.h
```

```
* /opt/cola/permits/1125786974_1612762024.23/0/tangdixi-dcpathbutton-2-1-4-0-gdd7873d-tar-gz/Tangdixi-DCPathButton-ecfc086/Example-Swift/Example-SwiftTests/Example_SwiftTests.swift
```

```
* /opt/cola/permits/1125786974_1612762024.23/0/tangdixi-dcpathbutton-2-1-4-0-gdd7873d-tar-gz/Tangdixi-DCPathButton-ecfc086/Example-Swift/Example-Swift/ViewController.swift
```

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```
Pod::Spec.new do |s|
```

```

s.name      = "DCPathButton"
s.version   = "2.1.1"
s.summary   = " A beautiful button copy from Path@ "

s.description = <<-DESC
DCPathButton is a menu button, design by an famous App Path@.
Since Path@ 4.0, it return to use a tab bar instead of a side bar,
and also change the menu button. So I try to implement it and then
the DCPathButton born :)
DESC

s.homepage  = "https://github.com/Tangdixi/DCPathButton"

s.license   = {
:type => 'MIT',
:text => 'The DCPathButton use the MIT license'
}

s.author    = { "Tangdixi" => "Tangdixi@gmail.com" }

s.platform  = :ios, '7.0'

s.source    = {
:git => "https://github.com/Tangdixi/DCPathButton.git",
:tag => "2.1.1"
}

s.source_files = 'DCPathButton/Classes/*.{h,m}'

s.resources = ["DCPathButton/Sounds/*"]

s.frameworks = 'QuartzCore','AudioToolbox'

s.requires_arc = true

end

```

Found in path(s):

```
* /opt/cola/permits/1125786974_1612762024.23/0/tangdixi-dcpathbutton-2-1-4-0-gdd7873d-tar-gz/Tangdixi-DCPathButton-ecfc086/DCPathButton.podspec
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```

* /opt/cola/permits/1125786974_1612762024.23/0/tangdixi-dcpathbutton-2-1-4-0-gdd7873d-tar-gz/Tangdixi-DCPathButton-ecfc086/Example/Example/BarButtonItemViewController.m

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```
<label opaque="NO" clipsSubviews="YES" userInteractionEnabled="NO" contentMode="left"
horizontalHuggingPriority="251" verticalHuggingPriority="251" text=" Copyright (c) 2015 DC. All rights
reserved." textAlignment="center" lineBreakMode="tailTruncation" baselineAdjustment="alignBaselines"
minimumFontSize="9" translatesAutoresizingMaskIntoConstraints="NO" id="8ie-xW-0ye">
```

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```
<string>The DCPathButton use the MIT license</string>
```

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* /opt/cola/permits/1125786974_1612762024.23/0/tangdxi-dcpathbutton-2-1-4-0-gdd7873d-tar-gz/Tangdxi-DCPathButton-ecfc086/DCPathButton/Classes/DCPathButton.m
* /opt/cola/permits/1125786974_1612762024.23/0/tangdxi-dcpathbutton-2-1-4-0-gdd7873d-tar-gz/Tangdxi-DCPathButton-ecfc086/Example/Example/ViewController.h
* /opt/cola/permits/1125786974_1612762024.23/0/tangdxi-dcpathbutton-2-1-4-0-gdd7873d-tar-gz/Tangdxi-DCPathButton-ecfc086/Example-Swift/DCPathButton/Classes/DCPathButton.h
* /opt/cola/permits/1125786974_1612762024.23/0/tangdxi-dcpathbutton-2-1-4-0-gdd7873d-tar-gz/Tangdxi-DCPathButton-ecfc086/Example/Example/ViewController.m
* /opt/cola/permits/1125786974_1612762024.23/0/tangdxi-dcpathbutton-2-1-4-0-gdd7873d-tar-gz/Tangdxi-DCPathButton-ecfc086/DCPathButton/Classes/DCPathButton.h
*
/opt/cola/permits/1125786974_1612762024.23/0/tangdxi-dcpathbutton-2-1-4-0-gdd7873d-tar-gz/Tangdxi-DCPathButton-ecfc086/Example/Example/main.m
* /opt/cola/permits/1125786974_1612762024.23/0/tangdxi-dcpathbutton-2-1-4-0-gdd7873d-tar-gz/Tangdxi-DCPathButton-ecfc086/Example/Example/AppDelegate.h
* /opt/cola/permits/1125786974_1612762024.23/0/tangdxi-dcpathbutton-2-1-4-0-gdd7873d-tar-gz/Tangdxi-DCPathButton-ecfc086/DCPathButton/Classes/DCPathItemButton.m
* /opt/cola/permits/1125786974_1612762024.23/0/tangdxi-dcpathbutton-2-1-4-0-gdd7873d-tar-gz/Tangdxi-DCPathButton-ecfc086/Example/Example/AppDelegate.m
* /opt/cola/permits/1125786974_1612762024.23/0/tangdxi-dcpathbutton-2-1-4-0-gdd7873d-tar-gz/Tangdxi-DCPathButton-ecfc086/Example/Pods/DCPathButton/DCPathButton/Classes/DCPathButton.h
* /opt/cola/permits/1125786974_1612762024.23/0/tangdxi-dcpathbutton-2-1-4-0-gdd7873d-tar-gz/Tangdxi-DCPathButton-ecfc086/DCPathButton/Classes/DCPathItemButton.h
*
/opt/cola/permits/1125786974_1612762024.23/0/tangdxi-dcpathbutton-2-1-4-0-gdd7873d-tar-gz/Tangdxi-DCPathButton-ecfc086/Example/ExampleTests/ExampleTests.m
* /opt/cola/permits/1125786974_1612762024.23/0/tangdxi-dcpathbutton-2-1-4-0-gdd7873d-tar-gz/Tangdxi-DCPathButton-ecfc086/Example/Pods/DCPathButton/DCPathButton/Classes/DCPathButton.m
* /opt/cola/permits/1125786974_1612762024.23/0/tangdxi-dcpathbutton-2-1-4-0-gdd7873d-tar-gz/Tangdxi-DCPathButton-ecfc086/Example-Swift/DCPathButton/Classes/DCPathItemButton.m
* /opt/cola/permits/1125786974_1612762024.23/0/tangdxi-dcpathbutton-2-1-4-0-gdd7873d-tar-gz/Tangdxi-DCPathButton-ecfc086/Example/Pods/DCPathButton/DCPathButton/Classes/DCPathItemButton.h
* /opt/cola/permits/1125786974_1612762024.23/0/tangdxi-dcpathbutton-2-1-4-0-gdd7873d-tar-gz/Tangdxi-DCPathButton-ecfc086/Example-Swift/DCPathButton/Classes/DCPathItemButton.h
* /opt/cola/permits/1125786974_1612762024.23/0/tangdxi-dcpathbutton-2-1-4-0-gdd7873d-tar-gz/Tangdxi-DCPathButton-ecfc086/Example/Pods/DCPathButton/DCPathButton/Classes/DCPathItemButton.m
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```
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* /opt/cola/permits/1125786974_1612762024.23/0/tangdixi-dcpathbutton-2-1-4-0-gdd7873d-tar-gz/Tangdixi-DCPathButton-ecfc086/Example/Pods/DCPathButton/README.md
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Jean-loup Gailly Mark Adler
jloup@gzip.org madler@alumni.caltech.edu

The following list of people, sorted by last name, have contributed code or patches to this implementation of sudo since I began maintaining it in 1993. This list is known to be incomplete--if you believe you should be listed, please send a note to sudo@sudo.ws.

Ackeret, Matt
Adler, Mark
Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Boardman, Spider
Bos, Sander
Bostley, P.J.

Bowes, Keith
Boyce, Keith Garry
Brantley, Michael
Braun, Rob
Bezina, Pavel
Brooks, Piete
Brown, Jerry
Burr, Michael E
Burton, Ross
Bussjaeger, Andreas
Calvin, Gary
Campbell, Aaron
Chazelas, Stephane
Cheloha, Scott
ek, Vtislav
Coleman, Chris
Corzine, Deven T.
Cusack, Frank
Dai, Wei
Dill, David
Earickson, Jeff
Eckhardt, Drew
Edgington, Ben
Esipovich, Marc
Espie, Marc
Faigon, Ariel
Farrell, Brian
Fobes, Steve
Frysinger, Mike
G., Daniel Richard
Gailly, Jean-loup
Gelman, Stephen
Gerraty, Simon J.
Graber, Stephane
Guillory, B.
Hayman, Randy M.
Henke, Joachim
Hideaki, Yoshifuji
Hieb, Dave
Holloway, Nick
Hoover, Adam
Hunter, Michael T.
Hutchings, Ben
Irrgang, Eric
Jackson, Brian
Jackson, John R.
Jackson, Richard L., Jr.
Janssen, Mark

Jepeway, Chris
Jorge, Joel Pele
Jover, Guillem
Juhani, Timo
Kikuchi, Ayamura
Kadow, Kevin
Kasal, Stepan
Kienenberger, Mike
King, Dale
King, Michael
Klyachkin, Andrey
Knoble, Jim
Knox, Tim
Komarnitsky, Alek O.
Kondrashov, Nikolai
Kopeek, Daniel
Kranenburg, Paul
Krause, David
Lakin, Eric
Larsen, Case
Levin, Dmitry V.
Libby, Kendall
Lobbes, Phillip E.
McIntyre, Jason
MacKenzie, David J.
McLaughlin, Tom
Makey, Jeff
Mallayya, Sangamesh
Marchionna, Michael D.
Markham, Paul
Martinian, Emin
Meskes, Michael
Michael, David
Miller, Todd C.
Minier, Loc
Moffat, Darren
Moldung, Jan Thomas
Morris, Charles
Mueller, Andreas
Mller, Dworkin
Nieuwma, Jeff
Nikitser, Peter A.
Nussel, Ludwig
Ouellet, Jean-Philippe
Paquet, Eric
Paradis, Chantal
Pasteleurs, Frederic
Percival, Ted

Perera, Andres
Peron, Christian S.J.
Peschel, Aaron
Peslyak, Alexander
Peterson, Toby
Petten, Diego Elio
Pickett, Joel
Plotnick, Alex
de Raadt, Theo
Rasch, Gudleik
Reid, Steve
Richards, Matt
Rossum, Guido van
Rouillard, John P.
Rowe, William A., Jr.
Roy, Alain
Ruusame, Elan
Ryabinkin, Eygene
Sato, Yuichi
Snchez, Wilfredo
Sanders, Miguel
Sasaki, Kan
Saucier, Jean-Francois
Schoenfeld, Patrick
Schuring, Arno
Schwarze, Ingo
Scott, Dougal
Sieger, Nick
Simon, Thor Lancelot
Slemko, Marc
Smith, Andy
Sobrado, Igor
Soulen, Steven
Spangler, Aaron
Spradling, Cloyce D.
Spradling, Michael
Stier, Matthew
Stoeckmann, Tobias
Street, Russell
Stritzky, Tilo
Stroucken, Michael
Tarrall, Robert
Thomas, Matthew
Todd, Giles
Toft, Martin
Torek, Chris
Tucker, Darren
Uhl, Robert

Uzel, Petr
Valery, Reznic
Van Dinter, Theo
Venckus, Martynas
de Vries, Maarten
Wagner, Klaus
Walsh, Dan
Warburton, John
Webb, Kirk
Wetzel, Timm
Wieringen, Marco van
Wilk, Jakub
Winiger, Gary
Wood, David
Zacarias, Gustavo
Zolnowsky, John

The following people have worked to translate sudo into other languages as part of the Translation Project, see <https://translationproject.org> for more details.

Albuquerque, Pedro
Blttermann, Mario
Bogusz, Jakub
Buo-ren, Lin
Casagrande, Milo
Castro, Felipe
Cho, Seong-ho
Chornoivan, Yuri
Diguez,
Francisco
Fontenelle, Rafael
Garca-Fontes, Walter
Gezer, Volkan
Hamasaki, Takeshi
Hamming, Peter
Hansen, Joe
Hantrais, Frdric
Hein, Jochen
Hufthammer, Karl Ove
Jerovek, Damir
Karvonen, Jorma
Kazik, Duan
Kelemen, Gbor
Keeci, Mehmet
Koir, Klemen
Kozlov, Yuri
Kramer, Jakob

Krznar, Tomislav
Marchal, Frdric
Margeviius, Algimantas
Maryanov, Pavel
Nikoli, Miroslav
Nylander, Daniel
Psa, Petr
Puentes, Enol
Putanec, Boidar
Qun, Trn Ngc
Rasmussen, Sebastian
Regueiro, Leandro
Sarer, zgr
Sendn, Abel
Sikrom, ka
Spingos, Dimitris
Taniguchi, Yasuaki
Tomat, Fbio
r, Balzs
Uranga, Mikel Olasagasti
Vorotnikov, Artem
Wang, Wylmer

1.278 berkeley-db 5.3.28

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* \$Id\$

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* ASM: a very small and fast Java bytecode manipulation framework

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```
<one line to give the library's name and a brief idea of what it does.>  
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```

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Here is a sample; alter the names:

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```
<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice
```

That's all there is to it!

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Version 3, 29 June 2007

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The

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A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release | Derived from | Year | Owner | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 | | 1991-1995 | CWI | yes |
| 1.3 thru 1.5.2 | 1.2 | 1995-1999 | CNRI | yes |
| 1.6 | 1.5.2 | 2000 | CNRI | no |
| 2.0 | 1.6 | 2000 | BeOpen.com | no |
| 1.6.1 | 1.6 | 2001 | CNRI | yes (2) |
| 2.1 | 2.0+1.6.1 | 2001 | PSF | no |
| 2.0.1 | 2.0+1.6.1 | 2001 | PSF | yes |
| 2.1.1 | 2.1+2.0.1 | 2001 | PSF | yes |
| 2.1.2 | 2.1.1 | 2002 | PSF | yes |

| | | | | |
|---------------|-------|----------|-----|-----|
| 2.1.3 | 2.1.2 | 2002 | PSF | yes |
| 2.2 and above | 2.1.1 | 2001-now | PSF | yes |

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and valid for as

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```

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```
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under certain conditions; type `show c' for details.
```

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1.287 json-c 0.13.1-0.3.el8

1.287.1 Available under license :

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1.288 d-bus 1.12.8-12.el8

1.288.1 Available under license :

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```
#
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#
# This file contains all needed files related to nfs server daemon.
#
infra/systemd/nfs-mountd.service      usr/lib/systemd/system/nfs-mountd.service
infra/systemd/nfs-server.service      usr/lib/systemd/system/nfs-server.service
infra/systemd/proc-fs-nfsd.mount      usr/lib/systemd/system/proc-fs-nfsd.mount

linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/exportfs  usr/sbin/exportfs
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/rpc.mountd  usr/sbin/rpc.mountd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/rpc.nfsd  usr/sbin/rpc.nfsd

(include nfs-common)
# The following optional kernel modules are put here to allow forwarding
# compatible when NFSV4 support is configured in kernel.
# When nfsv4 is enabled in kernel, it brings in extra dependency for
```



```
# nfsd.ko, which is needed for nfsv3 verver.
#
# so treat extra modules needed by nfsd.ko as optional since it depend on kernel
# configure.
#
# nfsd.ko depend on auth_rpcgss.ko
# auth_rpcgss.ko depend on oid_registry.ko

-${PLATFORM_SYSROOT}/usr/lib/modules/${KERNEL_VER}/kernel/lib/oid_registry.ko
usr/lib/modules/${KERNEL_VER}/kernel/lib/oid_registry.ko
-${PLATFORM_SYSROOT}/usr/lib/modules/${KERNEL_VER}/kernel/net/sunrpc/auth_gss/auth_rpcgss.ko
usr/lib/modules/${KERNEL_VER}/kernel/net/sunrpc/auth_gss/auth_rpcgss.ko
```

Found in path(s):

```
* /opt/cola/permits/1130449848_1615191957.87/0/iptables-tar/linux-system/nfsv3/nfs-utils
```

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```
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```

```
# All rights reserved.
```

```
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/ipcalc usr/bin/ipcalc
```

Found in path(s):

```
* /opt/cola/permits/1130449848_1615191957.87/0/iptables-tar/linux-system/ipcalc
```

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```
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/rpc.statd      usr/sbin/rpc.statd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/sm-notify      usr/sbin/sm-notify
infra/systemd/nfs-statd.service      usr/lib/systemd/system/nfs-statd.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/nfsstat        usr/sbin/nfsstat
```

```
contrib/initscripts/binos/etc/${NFS_VER}/nfs-utils.conf  etc/nfs-utils.conf
```

Found in path(s):

```
* /opt/cola/permits/1130449848_1615191957.87/0/iptables-tar/linux-system/nfsv3/nfs-common
```

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```
# Original Creation Date Unknown
```

```
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```

```
# All rights reserved.
```

```
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/staprun        usr/bin/staprun
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/libexec/systemtap/stapio  usr/libexec/systemtap/stapio
```

Found in path(s):

* /opt/cola/permits/1130449848_1615191957.87/0/iptables-tar/linux-system/systemtap

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```
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/journalctl          usr/bin/journalctl
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/systemctl          usr/bin/systemctl
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/systemd-inhibit    usr/bin/systemd-inhibit
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/systemd-notify     usr/bin/systemd-notify
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/systemd-tmpfiles    usr/bin/systemd-tmpfiles
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/udevadm            usr/bin/udevadm
contrib/yocto/CGE7/journald.conf                             etc/systemd/journald.conf
infra/systemd/system.conf                                    etc/systemd/system.conf
linkfarm/${SYSROOT}${ARCH}${SDK}/etc/systemd/user.conf
    etc/systemd/user.conf
linkfarm/${SYSROOT}${ARCH}${SDK}/etc/udev/udev.conf          etc/udev/udev.conf
/usr/lib/systemd/systemd                                     init
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system-generators/systemd-fstab-generator
usr/lib/systemd/system-generators/systemd-fstab-generator
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/basic.target
usr/lib/systemd/system/basic.target
/usr/lib/systemd/system/reboot.target                        usr/lib/systemd/system/ctrl-alt-del.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/dev-hugepages.mount
usr/lib/systemd/system/dev-hugepages.mount
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/dev-mqueue.mount
usr/lib/systemd/system/dev-mqueue.mount
infra/systemd/emergency.service
    usr/lib/systemd/system/emergency.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/emergency.target
usr/lib/systemd/system/emergency.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/final.target
usr/lib/systemd/system/final.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/halt.target
usr/lib/systemd/system/halt.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/kexec.target
usr/lib/systemd/system/kexec.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/local-fs-pre.target
usr/lib/systemd/system/local-fs-pre.target
infra/systemd/local-fs.target                                usr/lib/systemd/system/local-fs.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/network-online.target
usr/lib/systemd/system/network-online.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/network.target
    usr/lib/systemd/system/network.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/paths.target
usr/lib/systemd/system/paths.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/poweroff.target
usr/lib/systemd/system/poweroff.target
```

```

linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/reboot.target
usr/lib/systemd/system/reboot.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/remote-fs.target
usr/lib/systemd/system/remote-fs.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/rescue.service
usr/lib/systemd/system/rescue.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/rescue.target
usr/lib/systemd/system/rescue.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/shutdown.target
usr/lib/systemd/system/shutdown.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/slices.target
    usr/lib/systemd/system/slices.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/sockets.target
usr/lib/systemd/system/sockets.target
/usr/lib/systemd/system/systemd-journald.socket
usr/lib/systemd/system/sockets.target.requires/systemd-journald.socket
/usr/lib/systemd/system/systemd-udev-control.socket
usr/lib/systemd/system/sockets.target.requires/systemd-udev-control.socket
/usr/lib/systemd/system/systemd-udev-kernel.socket
usr/lib/systemd/system/sockets.target.requires/systemd-udev-kernel.socket
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/sys-kernel-config.mount
usr/lib/systemd/system/sys-kernel-config.mount
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/sys-kernel-debug.mount
usr/lib/systemd/system/sys-kernel-debug.mount
/usr/lib/systemd/system/dev-hugepages.mount
    usr/lib/systemd/system/sysinit.target.wants/dev-hugepages.mount
/usr/lib/systemd/system/dev-mqueue.mount
usr/lib/systemd/system/sysinit.target.wants/dev-mqueue.mount
/usr/lib/systemd/system/sys-kernel-config.mount
usr/lib/systemd/system/sysinit.target.wants/sys-kernel-config.mount
/usr/lib/systemd/system/sys-kernel-debug.mount
usr/lib/systemd/system/sysinit.target.wants/sys-kernel-debug.mount
/usr/lib/systemd/system/systemd-journal-flush.service
usr/lib/systemd/system/sysinit.target.wants/systemd-journal-flush.service
/usr/lib/systemd/system/systemd-journald.service
usr/lib/systemd/system/sysinit.target.wants/systemd-journald.service
/usr/lib/systemd/system/systemd-modules-load.service
    usr/lib/systemd/system/sysinit.target.wants/systemd-modules-load.service
/usr/lib/systemd/system/systemd-sysctl.service
usr/lib/systemd/system/sysinit.target.wants/systemd-sysctl.service
/usr/lib/systemd/system/systemd-tmpfiles-setup-dev.service
usr/lib/systemd/system/sysinit.target.wants/systemd-tmpfiles-setup-dev.service
/usr/lib/systemd/system/systemd-tmpfiles-setup.service
usr/lib/systemd/system/sysinit.target.wants/systemd-tmpfiles-setup.service
/usr/lib/systemd/system/systemd-udev-trigger.service
usr/lib/systemd/system/sysinit.target.wants/systemd-udev-trigger.service
/usr/lib/systemd/system/systemd-udev.service
usr/lib/systemd/system/sysinit.target.wants/systemd-udev.service

```

linkfarm/\${SYSROOT}/\${ARCH}/\${SDK}/usr/lib/systemd/system/systemd-halt.service
usr/lib/systemd/system/systemd-halt.service
linkfarm/\${SYSROOT}/\${ARCH}/\${SDK}/usr/lib/systemd/system/systemd-journal-flush.service
usr/lib/systemd/system/systemd-journal-flush.service
linkfarm/\${SYSROOT}/\${ARCH}/\${SDK}/usr/lib/systemd/system/systemd-journald-dev-log.socket
usr/lib/systemd/system/systemd-journald-dev-log.socket
infra/systemd/systemd-journald.service.d/visible.conf usr/lib/systemd/system/systemd-
journald.service.d/visible.conf
linkfarm/\${SYSROOT}/\${ARCH}/\${SDK}/usr/lib/systemd/system/systemd-fsck@.service
usr/lib/systemd/system/systemd-fsck@.service
linkfarm/\${SYSROOT}/\${ARCH}/\${SDK}/usr/lib/systemd/system/systemd-journald.socket
usr/lib/systemd/system/systemd-journald.socket
linkfarm/\${SYSROOT}/\${ARCH}/\${SDK}/usr/lib/systemd/system/systemd-kexec.service
usr/lib/systemd/system/systemd-kexec.service
linkfarm/\${SYSROOT}/\${ARCH}/\${SDK}/usr/lib/systemd/system/systemd-modules-load.service
usr/lib/systemd/system/systemd-modules-load.service
linkfarm/\${SYSROOT}/\${ARCH}/\${SDK}/usr/lib/systemd/system/systemd-poweroff.service
usr/lib/systemd/system/systemd-poweroff.service
linkfarm/\${SYSROOT}/\${ARCH}/\${SDK}/usr/lib/systemd/system/systemd-reboot.service
usr/lib/systemd/system/systemd-reboot.service
linkfarm/\${SYSROOT}/\${ARCH}/\${SDK}/usr/lib/systemd/system/systemd-sysctl.service
usr/lib/systemd/system/systemd-sysctl.service
linkfarm/\${SYSROOT}/\${ARCH}/\${SDK}/usr/lib/systemd/system/systemd-tmpfiles-setup-dev.service
usr/lib/systemd/system/systemd-tmpfiles-setup-dev.service
linkfarm/\${SYSROOT}/\${ARCH}/\${SDK}/usr/lib/systemd/system/systemd-tmpfiles-setup.service
usr/lib/systemd/system/systemd-tmpfiles-setup.service
linkfarm/\${SYSROOT}/\${ARCH}/\${SDK}/usr/lib/systemd/system/systemd-udev-settle.service
usr/lib/systemd/system/systemd-udev-settle.service
linkfarm/\${SYSROOT}/\${ARCH}/\${SDK}/usr/lib/systemd/system/systemd-udev-trigger.service
usr/lib/systemd/system/systemd-udev-trigger.service
linkfarm/\${SYSROOT}/\${ARCH}/\${SDK}/usr/lib/systemd/system/systemd-udev-control.socket
usr/lib/systemd/system/systemd-udev-control.socket
linkfarm/\${SYSROOT}/\${ARCH}/\${SDK}/usr/lib/systemd/system/systemd-udev-kernel.socket
usr/lib/systemd/system/systemd-udev-kernel.socket
linkfarm/\${SYSROOT}/\${ARCH}/\${SDK}/usr/lib/systemd/system/timers.target
usr/lib/systemd/system/timers.target
linkfarm/\${SYSROOT}/\${ARCH}/\${SDK}/usr/lib/systemd/system/time-sync.target
usr/lib/systemd/system/time-sync.target
linkfarm/\${SYSROOT}/\${ARCH}/\${SDK}/usr/lib/systemd/system/umount.target
usr/lib/systemd/system/umount.target
linkfarm/\${SYSROOT}/\${ARCH}/\${SDK}/usr/lib/systemd/systemd usr/lib/systemd/systemd
linkfarm/\${SYSROOT}/\${ARCH}/\${SDK}/usr/bin/systemd-socket-activate usr/bin/systemd-socket-
activate
linkfarm/\${SYSROOT}/\${ARCH}/\${SDK}/usr/lib/systemd/systemd-bootchart
usr/lib/systemd/systemd-bootchart
linkfarm/\${SYSROOT}/\${ARCH}/\${SDK}/usr/lib/systemd/systemd-fsck
usr/lib/systemd/systemd-fsck
linkfarm/\${SYSROOT}/\${ARCH}/\${SDK}/usr/lib/systemd/systemd-journald usr/lib/systemd/systemd-

```

journald
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-modules-load
usr/lib/systemd/systemd-modules-load
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-shutdown
usr/lib/systemd/systemd-shutdown
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-sysctl           usr/lib/systemd/systemd-
sysctl
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-timedated
usr/lib/systemd/systemd-timedated
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-udev             usr/lib/systemd/systemd-
udev
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/udev/rules.d/50-udev-default.rules
usr/lib/udev/rules.d/50-udev-default.rules
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/udev/rules.d/99-systemd.rules
usr/lib/udev/rules.d/99-systemd.rules
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/systemd-analyze                 usr/bin/systemd-analyze
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/machine.slice
usr/lib/systemd/system/machine.slice
infra/systemd/systemd-journald.service.d/visible.conf                    usr/lib/systemd/system/systemd-
journald.service.d/visible.conf

infra/systemd/sysctl/inotify-user-instances.conf                        etc/sysctl.d/inotify-user-instances.conf

```

Found in path(s):

* /opt/cola/permits/1130449848_1615191957.87/0/iptables-tar/linux-system/systemd-common

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```

#
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```

```

(include audit)
(include bash)
(include binutils)
(include bridge-utils)
(include busybox)
(include bzip2)
(include coreutils)
(include cpio)
(include dbus)
(include diffutils)
(include dosfstools)
(include e2fsprogs)
(include ethtool)
(include file)
(include filesystem)
(include findutils)
(include gawk)

```

```
(include glibc)
(include grep)
(include gzip)
(include initscripts)
(include ipcalc)
(include iproute2)
(include iptables)
(include iputils)
(include kexec-tools)
(include kmod)
(include less)
(include libcap)
(include lsof)
(include modules)
(include ncurses)
(include netbase)
(include netcat)
(include netkit-telnet)
(include net-tools)
(include ${NFS_VER}/nfs-utils-client)
(include pciutils)
(include procps)
(include psmisc)
(include rpcbind)
(include sed)
(include shadow)
(include strace)
(include sysklogd)
(include systemtap)
(include sysvinit)
(include
tar)
(include tcpdump)
(include tftp-hpa)
(include traceroute)
(include util-linux)
```

Found in path(s):

```
* /opt/cola/permits/1130449848_1615191957.87/0/iptables-tar/linux-system/all-common
```

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```
#
```

```
# November 2018, Cisco Systems, Inc.
```

```
#
```

```
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```

```
# All rights reserved
```

```
#
```

```
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/ping      usr/bin/ping
```

```
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/tracepath    usr/bin/tracepath
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/in.tftpd-hpa  usr/bin/tftpd
```

Found in path(s):

```
* /opt/cola/permits/1130449848_1615191957.87/0/iptables-tar/linux-system/iputils
```

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#

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(include all-common)

(include systemd)

Found in path(s):

```
* /opt/cola/permits/1130449848_1615191957.87/0/iptables-tar/linux-system/all
```

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#

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#files related to nfs-statd.service

```
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/rpc.statd    usr/sbin/rpc.statd
```

```
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/sm-notify    usr/sbin/sm-notify
```

```
infra/systemd/nfs-statd.service    usr/lib/systemd/system/nfs-statd.service
```

```
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/nfsstat    usr/sbin/nfsstat
```

#files related to nfs-idmapd.service

```
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/rpc.idmapd    usr/sbin/rpc.idmapd
```

```
infra/systemd/var-lib-nfs-rpc_pipefs.mount    usr/lib/systemd/system/var-lib-nfs-rpc_pipefs.mount
```

plugin nsswitch for rpc.idmapd can not be figure out automatilly by dependency.

The directory for plugin is fix to usr/lib/libnfsidmap

```
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/${LIB}/libnfsidmap/nsswitch.so  usr/lib/libnfsidmap/nsswitch.so
```

```
linkfarm/${SYSROOT}${ARCH}${SDK}/etc/idmapd.conf
```

```
    etc/idmapd.conf
```

```
infra/systemd/nfs-idmapd.service    usr/lib/systemd/system/nfs-idmapd.service
```

```
contrib/initscripts/binos/etc/${NFS_VER}/nfs-utils.conf  etc/nfs-utils.conf
```

Found in path(s):

```
* /opt/cola/permits/1130449848_1615191957.87/0/iptables-tar/linux-system/nfsv4/nfs-common
```

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#

May 2018, Victor Kamensky

#

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#

```
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/auditd      usr/sbin/auditd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/auditdspd   usr/sbin/auditdspd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/auditdtrace usr/sbin/auditdtrace
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/auditdreport usr/sbin/auditdreport
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/auditdctl    usr/sbin/auditdctl
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/auditdsearch  usr/sbin/auditdsearch
```

```
contrib/initscripts/binos/etc/audit/auditd.conf      etc/audit/auditd.conf
contrib/initscripts/binos/etc/audit/auditdspd.conf   etc/audit/auditdspd.conf
contrib/initscripts/binos/etc/audit/audit.rules      etc/audit/audit.rules
contrib/initscripts/binos/etc/audit/plugins.d/syslog.conf etc/audit/plugins.d/syslog.conf
linkfarm/${SYSROOT}${ARCH}${SDK}/etc/default/auditd
    etc/default/auditd
linkfarm/${SYSROOT}${ARCH}${SDK}/etc/libaudit.conf   etc/libaudit.conf
```

Found in path(s):

* /opt/cola/permits/1130449848_1615191957.87/0/iptables-tar/linux-system/audit

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(include systemd-common)

```
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system-preset/90-systemd.preset
usr/lib/systemd/system-preset/90-systemd.preset
/usr/lib/systemd/system/tmp.mount                usr/lib/systemd/system/local-
fs.target.requires/tmp.mount
infra/systemd/sysinit.target                    usr/lib/systemd/system/sysinit.target
infra/systemd/cpld-symlink.service              usr/lib/systemd/system/cpld-symlink.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-journald.service
usr/lib/systemd/system/systemd-journald.service
infra/systemd/systemd-journald.service.d/visible.conf  usr/lib/systemd/system/systemd-
journald.service.d/visible.conf
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-timedated.service
    usr/lib/systemd/system/systemd-timedated.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-udev.service
usr/lib/systemd/system/systemd-udev.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/tmp.mount
usr/lib/systemd/system/tmp.mount
```

Found in path(s):

* /opt/cola/permits/1130449848_1615191957.87/0/iptables-tar/linux-system/systemd

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```
#
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#
# This file contains all needed files related to nfs server daemon.
#
infra/systemd/nfs-mountd.service      usr/lib/systemd/system/nfs-mountd.service
infra/systemd/nfs-server.service      usr/lib/systemd/system/nfs-server.service
infra/systemd/proc-fs-nfsd.mount      usr/lib/systemd/system/proc-fs-nfsd.mount
```

```
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/exportfs  usr/sbin/exportfs
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/rpc.mountd  usr/sbin/rpc.mountd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/rpc.nfsd  usr/sbin/rpc.nfsd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/rpcinfo  usr/bin/rpcinfo
```

(include nfs-common)

```
# The following kernel modules are needed when NFSV4 support is configured
# in kernel.
# nfsd.ko depend on auth_rpcgss.ko
# auth_rpcgss.ko depend on oid_registry.ko
```

```
-${PLATFORM_SYSROOT}/usr/lib/modules/${KERNEL_VER}/kernel/lib/oid_registry.ko
usr/lib/modules/${KERNEL_VER}/kernel/lib/oid_registry.ko
${PLATFORM_SYSROOT}/usr/lib/modules/${KERNEL_VER}/kernel/net/sunrpc/auth_gss/auth_rpcgss.ko
usr/lib/modules/${KERNEL_VER}/kernel/net/sunrpc/auth_gss/auth_rpcgss.ko
```

Found in path(s):

```
* /opt/cola/permits/1130449848_1615191957.87/0/iptables-tar/linux-system/nfsv4/nfs-utils
```

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```
#
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#
# This file is to store extra files needed to support NFSV4 client.
#
```

```
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/mount.nfs  usr/sbin/mount.nfs
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/umount.nfs  usr/sbin/umount.nfs
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/mount.nfs4  usr/sbin/mount.nfs4
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/umount.nfs4  usr/sbin/umount.nfs4
```

```
contrib/initscripts/binos/etc/${NFS_VER}/nfsmount.conf  etc/nfsmount.conf
${PLATFORM_SYSROOT}/usr/lib/modules/${KERNEL_VER}/kernel/fs/nfs/nfsv4.ko
usr/lib/modules/${KERNEL_VER}/kernel/fs/nfs/nfsv4.ko
```

(include nfs-common)

Found in path(s):

* /opt/cola/permits/1130449848_1615191957.87/0/iptables-tar/linux-system/nfsv4/nfs-utils-client

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(include systemd-common)

```
infra/systemd/switchroot/sysinit.target          usr/lib/systemd/system/sysinit.target
infra/systemd/switchroot/systemd-journald.service  usr/lib/systemd/system/systemd-
journald.service
infra/systemd/switchroot/systemd-timedated.service  usr/lib/systemd/system/systemd-
timedated.service
infra/systemd/switchroot/systemd-udev.service      usr/lib/systemd/system/systemd-
udev.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-journald-audit.socket
usr/lib/systemd/system/systemd-journald-audit.socket
```

Found in path(s):

* /opt/cola/permits/1130449848_1615191957.87/0/iptables-tar/linux-system/systemd-swrt

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#

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(include all-common)

(include systemd-swrt)

Found in path(s):

* /opt/cola/permits/1130449848_1615191957.87/0/iptables-tar/linux-system/all-swrt

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```
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/dmesg    usr/bin/dmesg
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/kill      usr/bin/kill
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/mount     usr/bin/mount
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/umount    usr/bin/umount
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/agetty   usr/sbin/agetty
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/blockdev  usr/sbin/blockdev
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/cfdisk   usr/sbin/cfdisk
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/ctrlaltdel  usr/sbin/ctrlaltdel
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/fdisk     usr/sbin/fdisk
```

```

linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/sbin/fsck    usr/sbin/fsck
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/sbin/hwclock  usr/sbin/hwclock
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/sbin/mkswap   usr/sbin/mkswap
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/sbin/pivot_root
    usr/sbin/pivot_root
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/sbin/sfdisk   usr/sbin/sfdisk
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/sbin/swapoff  usr/sbin/swapoff
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/sbin/swapon   usr/sbin/swapon
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/arch     usr/bin/arch
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/cal      usr/bin/cal
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/chrt     usr/bin/chrt
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/col      usr/bin/col
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/colcrt   usr/bin/colcrt
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/colrm    usr/bin/colrm
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/column   usr/bin/column
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/flock    usr/bin/flock
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/getopt   usr/bin/getopt
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/hexdump  usr/bin/hexdump
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/ionice   usr/bin/ionice
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/ipcrm
    usr/bin/ipcrm
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/ipcs     usr/bin/ipcs
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/isosize  usr/bin/isosize
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/last     usr/bin/last
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/logger   usr/bin/logger
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/look     usr/bin/look
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/lshblk   usr/bin/lshblk
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/mesg     usr/bin/mesg
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/namei    usr/bin/namei
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/newgrp   usr/bin/newgrp
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/nsenter  usr/bin/nsenter
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/rename   usr/bin/rename
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/renice   usr/bin/renice
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/rev     usr/bin/rev
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/script  usr/bin/script
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/setuid
    usr/bin/setuid
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/setterm  usr/bin/setterm
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/taskset  usr/bin/taskset
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/ul      usr/bin/ul
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/wall    usr/bin/wall
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/whereis  usr/bin/whereis
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/write   usr/bin/write
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/sbin/fdformat  usr/sbin/fdformat
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/sbin/mkfs    usr/sbin/mkfs
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/sbin/raw     usr/sbin/raw
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/sbin/zramctl  usr/sbin/zramctl

```

Found in path(s):

* /opt/cola/permits/1130449848_1615191957.87/0/iptables-tar/linux-system/util-linux

1.289 libdnf 0.55.0-1.el8

1.289.1 Available under license :

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Found in path(s):

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/getaddrinfo.c

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<!DOCTYPE refentry PUBLIC "-//OASIS//DTD DocBook V4.1//EN">

<!--

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-->

<!-- \$Id: lwres_getaddrinfo.docbook,v
1.1 2004/11/03 01:39:06 abstine Exp \$ -->

<refentry>

<refentryinfo>

<date>Jun 30, 2000</date>

</refentryinfo>

<refmeta>

<refentrytitle>lwres_getaddrinfo</refentrytitle>

<manvolnum>3</manvolnum>

<refmiscinfo>BIND9</refmiscinfo>

</refmeta>

<refnamediv>

<refname>lwres_getaddrinfo</refname>

<refname>lwres_freeaddrinfo</refname>

<refpurpose>socket address structure to host and service name</refpurpose>

</refnamediv>

<refsynopsisdiv>

<functsynopsis>

<functsynopsisinfo>#include <lwres/netdb.h></functsynopsisinfo>

<funcprototype>

<funcdef>

int

<function>lwres_getaddrinfo</function></funcdef>

<paramdef>const char *hostname</paramdef>

<paramdef>const char *servname</paramdef>

<paramdef>const struct addrinfo *hints</paramdef>

<paramdef>struct addrinfo **res</paramdef>

</funcprototype>

<funcprototype>

<funcdef>

void

<function>lwres_freeaddrinfo</function></funcdef>

<paramdef>struct addrinfo *ai</paramdef>

</funcprototype>

</functsynopsis>

<para>

If the operating system does

not provide a

<type>struct addrinfo</type>,

the following structure is used:

```
<programlisting>
struct addrinfo {
    int      ai_flags;    /* AI_PASSIVE, AI_CANONNAME */
    int      ai_family;  /* PF_XXX */
    int      ai_socktype; /* SOCK_XXX */
    int      ai_protocol; /* 0 or IPPROTO_XXX for IPv4 and IPv6 */
    size_t   ai_addrlen; /* length of ai_addr */
    char     *ai_canonname; /* canonical name for hostname */
    struct sockaddr *ai_addr; /* binary address */
    struct addrinfo *ai_next; /* next structure in linked list */
};
</programlisting>
```

</para>

</refsynopsisdiv>

<refsect1>

<title>DESCRIPTION</title>

<para>

<function>lwres_getaddrinfo()</function>

is used to get a list of IP addresses and port numbers for host

<parameter>hostname</parameter>

and service

<parameter>servname</parameter>.

The function is the lightweight resolver's implementation of

<function>getaddrinfo()</function>

as

defined in RFC2133.

<parameter>hostname</parameter>

and

<parameter>servname</parameter>

are pointers to null-terminated

strings or

<type>NULL</type>.

<parameter>hostname</parameter>

is either a host name or a numeric host address string: a dotted decimal IPv4 address or an IPv6 address.

<parameter>servname</parameter>

is either a decimal port number or a service name as listed in

<filename>/etc/services</filename>.

</para>

<para>

<parameter>hints</parameter>

is an optional pointer to a

`<type>struct addrinfo</type>`.

This structure can be used to provide hints concerning the type of socket that the caller supports or wishes to use.

The caller can supply the following structure elements in

`<parameter>*hints</parameter>`:

`<variablelist>`

`<varlistentry><term><constant>ai_family</constant></term>`

`<listitem>`

`<para>`The protocol family that should be used.

When

`<constant>ai_family</constant>`

is set to

`<type>PF_UNSPEC</type>`,

it means the caller will accept any protocol family supported by the operating system.

`</para></listitem></varlistentry>`

`<varlistentry><term><constant>ai_socktype</constant></term>`

`<listitem>`

`<para>`

denotes the type of socket —

`<type>SOCK_STREAM</type>`,

`<type>SOCK_DGRAM</type>`

or

`<type>SOCK_RAW</type>`

— that is wanted.

When

`<constant>ai_socktype</constant>`

is zero the caller will accept any socket type.

`</para>`

`</listitem>`

`</varlistentry>`

`<varlistentry><term><constant>ai_protocol</constant></term>`

`<listitem>`

`<para>`

indicates which transport protocol is wanted: IPPROTO_UDP or IPPROTO_TCP.

If

`<constant>ai_protocol</constant>`

is zero the caller will accept any protocol.

`</para>`

`</listitem>`

`</varlistentry>`

`<varlistentry><term><constant>ai_flags</constant></term>`

`<listitem>`

`<para>`

Flag bits.

If the

<type>AI_CANONNAME</type>

bit is set, a successful call to

<function>lwres_getaddrinfo()</function>

will return a null-terminated string containing the canonical name

of the specified hostname in

<constant>ai_canonname</constant>

of

the first

<type>addrinfo</type>

structure returned.

Setting the

<type>AI_PASSIVE</type>

bit indicates that the returned socket address structure is intended

for used in a call to

<citrefentry>

<refentrytitle>bind</refentrytitle><manvolnum>2</manvolnum>

</citrefentry>.

In this case, if the hostname argument is a

<type>NULL</type>

pointer, then the IP address portion of the socket

address structure will be set to

<type>INADDR_ANY</type>

for an IPv4 address or

<type>IN6ADDR_ANY_INIT</type>

for an IPv6 address.

</para>

<para>

When

<constant>ai_flags</constant>

does not set the

<type>AI_PASSIVE</type>

bit, the returned socket address structure will be ready

for use in a call to

<citrefentry>

<refentrytitle>connect</refentrytitle><manvolnum>2

</manvolnum>

</citrefentry>

for a connection-oriented protocol or

<citrefentry>

<refentrytitle>connect</refentrytitle><manvolnum>2</manvolnum>

</citrefentry>,

<citrefentry>

<refentrytitle>sendto</refentrytitle><manvolnum>2</manvolnum>

</citrefentry>.

or

<citrefentry>
<refentrytitle>sendmsg</refentrytitle><manvolnum>2
</manvolnum>
</citrefentry>

if

a connectionless protocol was chosen.

The IP address portion of the socket address structure will be set to the loopback address if

<parameter>hostname</parameter>

is a

<type>NULL</type>

pointer and

<type>AI_PASSIVE</type>

is not set in

<constant>ai_flags</constant>.

</para>

<para>

If

<constant>ai_flags</constant>

is set to

<type>AI_NUMERICHOST</type>

it indicates that

<parameter>hostname</parameter>

should be treated as a numeric string defining an IPv4 or IPv6 address and no name resolution should be attempted.

</para>

</listitem>

</varlistentry>

</variablelist>

</para>

<para>

All other elements of the <type>struct addrinfo</type> passed via <parameter>hints</parameter> must be zero.

</para>

<para>

A <parameter>hints</parameter> of <type>NULL</type> is treated as if the caller provided a <type>struct addrinfo</type> initialized to zero with <constant>ai_family</constant> set

to

<constant>PF_UNSPEC</constant>.

</para>

<para>

After a successful call to

<function>lwres_getaddrinfo()</function>,</p></div>
<div data-bbox="147 67 359 82" data-label="Text"><p><parameter>*res</parameter></p></div>
<div data-bbox="147 85 433 100" data-label="Text"><p>is a pointer to a linked list of one or more</p></div>
<div data-bbox="147 103 311 118" data-label="Text"><p><type>addrinfo</type></p></div>
<div data-bbox="147 121 223 135" data-label="Text"><p>structures.</p></div>
<div data-bbox="147 139 189 152" data-label="Text"><p>Each</p></div>
<div data-bbox="147 156 353 172" data-label="Text"><p><type>struct addrinfo</type></p></div>
<div data-bbox="147 174 421 189" data-label="Text"><p>in this list can be processed by following</p></div>
<div data-bbox="147 192 176 206" data-label="Text"><p>the</p></div>
<div data-bbox="147 210 357 225" data-label="Text"><p><constant>ai_next</constant></p></div>
<div data-bbox="147 228 253 243" data-label="Text"><p>pointer, until a</p></div>
<div data-bbox="147 246 299 261" data-label="Text"><p><type>NULL</type></p></div>
<div data-bbox="147 264 307 278" data-label="Text"><p>pointer is encountered.</p></div>
<div data-bbox="147 281 284 295" data-label="Text"><p>The three members</p></div>
<div data-bbox="147 299 377 313" data-label="Text"><p><constant>ai_family</constant>,</p></div>
<div data-bbox="147 316 393 331" data-label="Text"><p><constant>ai_socktype</constant>,</p></div>
<div data-bbox="147 334 179 348" data-label="Text"><p>and</p></div>
<div data-bbox="147 352 385 367" data-label="Text"><p><constant>ai_protocol</constant></p></div>
<div data-bbox="147 369 204 384" data-label="Text"><p>in each</p></div>
<div data-bbox="147 387 210 401" data-label="Text"><p>returned</p></div>
<div data-bbox="147 405 311 420" data-label="Text"><p><type>addrinfo</type></p></div>
<div data-bbox="147 423 547 438" data-label="Text"><p>structure contain the corresponding arguments for a call to</p></div>
<div data-bbox="147 441 250 456" data-label="Text"><p><citerefentry></p></div>
<div data-bbox="147 459 609 474" data-label="Text"><p><refentrytitle>socket</refentrytitle><manvolnum>2</manvolnum></p></div>
<div data-bbox="147 477 259 491" data-label="Text"><p></citerefentry>.</p></div>
<div data-bbox="147 494 213 508" data-label="Text"><p>For each</p></div>
<div data-bbox="147 512 311 527" data-label="Text"><p><type>addrinfo</type></p></div>
<div data-bbox="147 530 309 545" data-label="Text"><p>structure in the list, the</p></div>
<div data-bbox="147 548 359 562" data-label="Text"><p><constant>ai_addr</constant></p></div>
<div data-bbox="147 565 571 580" data-label="Text"><p>member points to a filled-in socket address structure of length</p></div>
<div data-bbox="147 583 384 598" data-label="Text"><p><constant>ai_addrlen</constant>.</p></div>
<div data-bbox="147 601 207 616" data-label="Text"><p></para></p></div>
<div data-bbox="147 637 202 651" data-label="Text"><p><para></p></div>
<div data-bbox="147 654 384 669" data-label="Text"><p>All of the information returned by</p></div>
<div data-bbox="147 672 441 687" data-label="Text"><p><function>lwres_getaddrinfo()</function></p></div>
<div data-bbox="147 689 253 704" data-label="Text"><p>is dynamically</p></div>
<div data-bbox="147 707 484 722" data-label="Text"><p>allocated: the addrinfo structures, and the socket</p></div>
<div data-bbox="147 725 611 740" data-label="Text"><p>address structures and canonical host name strings pointed to by the</p></div>
<div data-bbox="147 743 435 758" data-label="Text"><p><constant>addrinfo</constant>structures.</p></div>
<div data-bbox="147 761 621 776" data-label="Text"><p>Memory allocated for the dynamically allocated structures created by</p></div>
<div data-bbox="147 778 280 793" data-label="Text"><p>a successful call to</p></div>
<div data-bbox="147 796 441 811" data-label="Text"><p><function>lwres_getaddrinfo()</function></p></div>
<div data-bbox="147 813 246 829" data-label="Text"><p>is released by</p></div>
<div data-bbox="147 831 452 846" data-label="Text"><p><function>lwres_freeaddrinfo()</function>.</p></div>
<div data-bbox="147 849 343 864" data-label="Text"><p><parameter>ai</parameter></p></div>
<div data-bbox="147 866 258 882" data-label="Text"><p>is a pointer to a</p></div>
<div data-bbox="147 884 353 900" data-label="Text"><p><type>struct addrinfo</type></p></div>
<div data-bbox="195 943 491 959" data-label="Page-Footer"><p>Open Source Used In Cat9K 17.6.1 New 3198</p></div>

created by a call to
<function>lwres_getaddrinfo()</function>.

</para>

</refsect1>

<refsect1>

<title>RETURN VALUES</title>

<para>

<function>lwres_getaddrinfo()</function>

returns zero on success or one of the error codes listed in

<citerefentry>

<refentrytitle>gai_strerror</refentrytitle><manvolnum>3

</manvolnum>

</citerefentry>

if an error occurs.

If both

<parameter>hostname</parameter>

and

<parameter>servname</parameter>

are

<type>NULL</type>

<function>lwres_getaddrinfo()</function>

returns

<errorcode>EAI_NONAME</errorcode>.

</para>

</refsect1>

<refsect1>

<title>SEE

ALSO</title>

<para>

<citerefentry>

<refentrytitle>lwres</refentrytitle><manvolnum>3</manvolnum>

</citerefentry>,

<citerefentry>

<refentrytitle>lwres_getaddrinfo</refentrytitle><manvolnum>3</manvolnum>

</citerefentry>,

<citerefentry>

<refentrytitle>lwres_freeaddrinfo</refentrytitle><manvolnum>3</manvolnum>

</citerefentry>,

<citerefentry>

<refentrytitle>lwres_gai_strerror</refentrytitle><manvolnum>3</manvolnum>

</citerefentry>,

<citrefentry>
<refentrytitle>RFC2133</refentrytitle>
</citrefentry>,&br/>

<citrefentry>
<refentrytitle>getservbyname</refentrytitle><manvolnum>3</manvolnum>
</citrefentry>,&br/>

<citrefentry>
<refentrytitle>bind</refentrytitle><manvolnum>2</manvolnum>
</citrefentry>,&br/>

<citrefentry>
<refentrytitle>connect</refentrytitle><manvolnum>2</manvolnum>
</citrefentry>,&br/>

<citrefentry>
<refentrytitle>sendto</refentrytitle><manvolnum>2</manvolnum>
</citrefentry>,&br/>

<citrefentry>
<refentrytitle>sendmsg</refentrytitle><manvolnum>2</manvolnum>
</citrefentry>,&br/>

<citrefentry>
<refentrytitle>socket</refentrytitle><manvolnum>2</manvolnum>
</citrefentry>.
</para>

</refsect1>
</refentry>

Found

in path(s):

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_getaddrinfo.docbook

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; \$Id: bindevt.mc,v 1.1 2004/11/03 01:39:06 abstine Exp \$

MessageIdTypedef=DWORD

LanguageNames = (English=0x409:MSG00409)

OutputBase

= 16

MessageId=0x1

Severity=Error

Facility=Application

SymbolicName=BIND_ERR_MSG

Language=English

% 1

.

MessageId=0x2

Severity=Warning

Facility=Application

SymbolicName=BIND_WARN_MSG

Language=English

% 1

.

MessageId=0x3

Severity=Informational

Facility=Application

SymbolicName=BIND_INFO_MSG

Language=English

% 1

.

Found in path(s):

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/win32/bindevt/bindevt.mc

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Found in path(s):

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/ultrix/include/sys/bitypes.h
*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/inet/inet_neta.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/inet/inet_net_pton.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/inet/inet_pton.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/getnetent.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/inet/inet_net_ntop.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/dns_pw.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/getservent.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/decunix/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/qnx/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/lcl_p.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/gen_nw.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/gen_p.h
*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/dns_pr.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/gen_pw.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/nis_p.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/util.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/mpe/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/include/irs.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/hpux10/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/unixware212/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/irix/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/cygwin/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/bsdos2/include/sys/bitypes.h
*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/aix32/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/unixware20/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/nis_ng.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/nis_pr.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/hesiod_p.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/freebsd/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/hpux/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/sco42/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/hesiod.c

```

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/nis_sv.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/gen_ho.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/dns_sv.c
*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/gen_sv.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/lynxos/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/nis_nw.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/getprotoent.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/bsdos/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/getnetgrent.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/nul_ng.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/netbsd/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/next/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/bitncmp.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/nameser/ns_name.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/getpwent.c
*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/irs_data.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/gen_pr.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/gen_ng.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/irs_p.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/nis_ho.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/nameser/ns_ttl.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/nameser/ns_parse.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/openbsd/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/include/hesiod.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/hpux9/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/pathnames.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/irs_data.h
*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/nis_pw.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/sunos/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/aix4/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/nameser/ns_netint.c
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*/

/* \$Id: platform.h.in,v 1.1 2004/11/03 01:39:05 abstine Exp \$ */

#ifndef ISC_PLATFORM_H

#define

ISC_PLATFORM_H 1

/*****

**** Platform-dependent defines.

*****/

/***

** Network.

***/

/*

* Define if this system needs the <netinet/in6.h> header file included

* for full IPv6 support (pretty much only UnixWare).

```

*/
@ISC_PLATFORM_NEEDNETINETIN6H@

/*
* Define if this system needs the <netinet6/in6.h> header file included
* to support in6_pkinfo (pretty much only BSD/OS).
*/
@ISC_PLATFORM_NEEDNETINET6IN6H@

/*
* If sockaddrs on this system have an sa_len field, ISC_PLATFORM_HAVESALEN
* will be defined.
*/
@ISC_PLATFORM_HAVESALEN@

/*
* If this system has the IPv6 structure definitions, ISC_PLATFORM_HAVEIPV6
* will be defined.
*/
@ISC_PLATFORM_HAVEIPV6@

/*
* If this system is missing in6addr_any, ISC_PLATFORM_NEEDIN6ADDRANY will
* be defined.
*/
@ISC_PLATFORM_NEEDIN6ADDRANY@

/*
* If this system is missing in6addr_loopback, ISC_PLATFORM_NEEDIN6ADDRLOOPBACK
* will be defined.
*/
@ISC_PLATFORM_NEEDIN6ADDRLOOPBACK@

/*
* If this system has in6_pktinfo,
ISC_PLATFORM_HAVEIN6PKTINFO will be
* defined.
*/
@ISC_PLATFORM_HAVEIN6PKTINFO@

/*
* If this system has in_addr6, rather than in6_addr, ISC_PLATFORM_HAVEINADDR6
* will be defined.
*/
@ISC_PLATFORM_HAVEINADDR6@

/*
* If this system has sin6_scope_id, ISC_PLATFORM_HAVESCOPEID will be defined.

```

```

*/
@ISC_PLATFORM_HAVESCOPEID@

/*
* If this system needs inet_ntop(), ISC_PLATFORM_NEEDNTOP will be defined.
*/
@ISC_PLATFORM_NEEDNTOP@

/*
* If this system needs inet_pton(), ISC_PLATFORM_NEEDPTON will be defined.
*/
@ISC_PLATFORM_NEEDPTON@

/*
* If this system needs inet_aton(), ISC_PLATFORM_NEEDATON will be defined.
*/
@ISC_PLATFORM_NEEDATON@

/*
* If this system needs in_port_t, ISC_PLATFORM_NEEDPORTT will be defined.
*/
@ISC_PLATFORM_NEEDPORTT@

/*
* If the system needs strsep(), ISC_PLATFORM_NEEDSTRSEP will be defined.
*/
@ISC_PLATFORM_NEEDSTRSEP@

/*
* If the system needs strcpy(), ISC_PLATFORM_NEEDSTRLCOPY will be defined.
*/
@ISC_PLATFORM_NEEDSTRLCOPY@

/*
* If the
system needs strlcat(), ISC_PLATFORM_NEEDSTRLCAT will be defined.
*/
@ISC_PLATFORM_NEEDSTRLCAT@

/*
* Define either ISC_PLATFORM_BSD44MSGHDR or ISC_PLATFORM_BSD43MSGHDR.
*/
@ISC_PLATFORM_MSGHDRFLAVOR@

/*
* Define if PTHREAD_ONCE_INIT should be surrounded by braces to
* prevent compiler warnings (such as with gcc on Solaris 2.8).
*/

```

```

@ISC_PLATFORM_BRACEPTHREADONCEINIT@

/*
 * Define on some UnixWare systems to fix erroneous definitions of various
 * IN6_IS_ADDR_* macros.
 */
@ISC_PLATFORM_FIXIN6ISADDR@

/**
 *** Printing.
 ***/

/*
 * If this system needs vsnprintf() and snprintf(), ISC_PLATFORM_NEEDVSNPRINTF
 * will be defined.
 */
@ISC_PLATFORM_NEEDVSNPRINTF@

/*
 * If this system need a modern sprintf() that returns (int) not (char*).
 */
@ISC_PLATFORM_NEEDSPRINTF@

/*
 * The printf format string modifier to use with isc_uint64_t values.
 */
@ISC_PLATFORM_QUADFORMAT@

/*
 * Defined if we are using threads.
 */
@ISC_PLATFORM_USETHREADS@

/*
 * Defined if unistd.h does not cause
 * fd_set to be delared.
 */
@ISC_PLATFORM_NEEDSYSSELECTH@

/*
 * Type used for resource limits.
 */
@ISC_PLATFORM_RLIMITTYPE@

/*
 * Define if your compiler supports "long long int".
 */
@ISC_PLATFORM_HAVELONGLONG@

```

```

/*
 * Define if the system has struct lifconf which is a extended struct ifconf
 * for IPv6.
 */
@ISC_PLATFORM_HAVELIFCONF@

/*
 * Define if the system has struct if_laddrconf which is a extended struct
 * ifconf for IPv6.
 */
@ISC_PLATFORM_HAVEIF_LADDRCONF@

/*
 * Define if the system has struct if_laddrreq.
 */
@ISC_PLATFORM_HAVEIF_LADDRREQ@

/*
 * Used to control how extern data is linked; needed for Win32 platforms.
 */
@ISC_PLATFORM_USEDECLSPEC@

/*
 * Define if the system supports if_nametoindex.
 */
@ISC_PLATFORM_HAVEIFNAMETOINDEX@

/*
 * Define if this system needs strtoul.
 */
@ISC_PLATFORM_NEEDSTRTOUL@

/*
 * Define if this system needs memmove.
 */
@ISC_PLATFORM_NEEDMEMMOVE@

#ifndef ISC_PLATFORM_USEDECLSPEC
#define LIBISC_EXTERNAL_DATA
#define LIBDNS_EXTERNAL_DATA
#define
LIBISCCC_EXTERNAL_DATA
#define LIBISCCFG_EXTERNAL_DATA
#define LIBBIND9_EXTERNAL_DATA
#else /* ISC_PLATFORM_USEDECLSPEC */
#ifdef LIBISC_EXPORTS
#define LIBISC_EXTERNAL_DATA __declspec(dllexport)

```

```

#else
#define LIBISC_EXTERNAL_DATA __declspec(dllimport)
#endif
#ifdef LIBDNS_EXPORTS
#define LIBDNS_EXTERNAL_DATA __declspec(dllexport)
#else
#define LIBDNS_EXTERNAL_DATA __declspec(dllimport)
#endif
#ifdef LIBISCCC_EXPORTS
#define LIBISCCC_EXTERNAL_DATA __declspec(dllexport)
#else
#define LIBISCCC_EXTERNAL_DATA __declspec(dllimport)
#endif
#ifdef LIBISCCFG_EXPORTS
#define LIBISCCFG_EXTERNAL_DATA __declspec(dllexport)
#else
#define LIBISCCFG_EXTERNAL_DATA __declspec(dllimport)
#endif
#ifdef LIBBIND9_EXPORTS
#define LIBBIND9_EXTERNAL_DATA __declspec(dllexport)
#else
#define LIBBIND9_EXTERNAL_DATA __declspec(dllimport)
#endif
#endif /* ISC_PLATFORM_USEDECLSPEC */

/*
 * Tell emacs to use C mode for this file.
 *
 * Local Variables:
 * mode: c
 * End:
 */

#endif /* ISC_PLATFORM_H */

Found
in path(s):
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/platform.h.in
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-->
```

```
<!-- $Id: lwres_getrrsetbyname.docbook,v
1.1 2004/11/03 01:39:06 abstine Exp $ -->
```

```
<refentry>
<refentryinfo>
```

```
<date>Oct 18, 2000</date>
</refentryinfo>
<refmeta>
<refentrytitle>lwres_getrrsetbyname</refentrytitle>
<manvolnum>3</manvolnum>
<refmiscinfo>BIND9</refmiscinfo>
</refmeta>
<refnamediv>
<refname>lwres_getrrsetbyname</refname>
<refname>lwres_freerrset</refname>
<refpurpose>retrieve DNS records</refpurpose>
</refnamediv>
<refsynopsisdiv>
<funcsynopsis>
<funcsynopsisinfo>#include <lwres/netdb.h></funcsynopsisinfo>
<funcprototype>
<funcdef>
int
<function>lwres_getrrsetbyname</function></funcdef>
<paramdef>const char *hostname</paramdef>
<paramdef>unsigned int rdclass</paramdef>
<paramdef>unsigned int rdtype</paramdef>
<paramdef>unsigned int flags</paramdef>
<paramdef>struct rrsetinfo **res</paramdef>
```



```
</funcprototype>
<funcprototype>
<funcdef>
void
<function>lwres_freerrset</function></funcdef>
<paramdef>struct rrsetinfo *rrset</paramdef>
</funcprototype>
</funcsynopsis>
```

<para>
The following structures
are used:

```
<programlisting>
struct rdatainfo {
    unsigned int    rdi_length; /* length of data */
    unsigned char   *rdi_data; /* record data */
};

struct rrsetinfo {
    unsigned int    rri_flags; /* RRSET_VALIDATED... */
    unsigned int    rri_rdclass; /* class number */
    unsigned int    rri_rdtype; /* RR type number */
    unsigned int    rri_ttl; /* time to live */
    unsigned int    rri_nrdatas; /* size of rdatas array */
    unsigned int    rri_nsigs; /* size of sigs array */
    char            *rri_name; /* canonical name */
    struct rdatainfo *rri_rdatas; /* individual records */
    struct rdatainfo *rri_sigs; /* individual signatures */
};
```

```
</programlisting>
</para>
</refsynopsisdiv>
```

```
<refsect1>
<title>DESCRIPTION</title>
<para>
<function>lwres_getrrsetbyname()</function>
gets a set
of resource records associated with a
<parameter>hostname</parameter>,

<parameter>class</parameter>,

and
<parameter>type</parameter>.

<parameter>hostname</parameter>
is
```

a pointer to a null-terminated string. The

<parameter>flags</parameter>

field is currently unused and must be zero.

</para>

<para>

After a successful call to

<function>lwres_getrrsetbyname()</function>,

<parameter>*res</parameter>

is a pointer to an

<type>rrsetinfo</type>

structure, containing a list of one or more

<type>rdatainfo</type>

structures containing resource records and potentially another list of

<type>rdatainfo</type>

structures containing SIG resource records

associated with those records.

The members

<constant>rri_rdclass</constant>

and

<constant>rri_rdtype</constant>

are copied from the parameters.

<constant>rri_ttl</constant>

and

<constant>rri_name</constant>

are properties of the obtained rrset.

The resource records contained in

<constant>rri_rdatas</constant>

and

<constant>rri_sigs</constant>

are

in uncompressed DNS wire format.

Properties of the rdataset are represented in the

<constant>rri_flags</constant>

bitfield. If the RRSET_VALIDATED bit is set, the data has been DNSSEC

validated and the signatures verified.

</para>

<para>

All of the information returned by

<function>lwres_getrrsetbyname()</function>

is dynamically allocated: the

<constant>rrsetinfo</constant>

and

<constant>rdatainfo</constant>

structures,

and the canonical host name strings pointed to by the

<constant>rrsetinfo</constant> structure.

Memory allocated for the dynamically allocated structures created by a successful call to

`lwres_getrrsetbyname()`

is released by

`lwres_freerrset()`.

`rrset`

is a pointer to a

`struct rrset`

created by a call to

`lwres_getrrsetbyname()`.

RETURN VALUES

`lwres_getrrsetbyname()`

returns zero on success,

and one of the following error

codes if an error occurred:

`ERRSET_NONAME`

the name does not exist

`ERRSET_NODATA`

the name exists, but does not have data of the desired type

`ERRSET_NOMEMORY`

memory could not be allocated

`ERRSET_INVALID`

a parameter is invalid

`ERRSET_FAIL`

other failure

</para></listitem></varlistentry>

<varlistentry><term><constant></constant></term>

<listitem><para>

</para></listitem></varlistentry>

</variablelist>

</para>

</refsect1>

<refsect1>

<title>SEE ALSO</title>

<para>

<citerefentry>

<refentrytitle>lwres</refentrytitle><manvolnum>3</manvolnum>

</citerefentry>.

</para>

</refsect1>

</refentry>

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_getrrsetbyname.docbook

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.\ " \$Id: bitncmp.mdoc,v 1.1 2004/11/03 01:39:04 abstine Exp \$

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccc/result.c

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-->

<!-- \$Id: lwres_gabn.docbook,v

1.1 2004/11/03 01:39:06 abstine Exp \$ -->

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<date>Jun 30, 2000</date>

</refentryinfo>

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<manvolnum>3</manvolnum>

<refmiscinfo>BIND9</refmiscinfo>

</refmeta>

<refnamediv>

<refname>lwres_gabnrequest_render</refname>

<refname>lwres_gabnresponse_render</refname>

<refname>lwres_gabnrequest_parse</refname>

<refname>lwres_gabnresponse_parse</refname>

<refname>lwres_gabnresponse_free</refname>

<refname>lwres_gabnrequest_free</refname>


```

<refpurpose>lightweight resolver getaddrbyname message handling</refpurpose>
</refnamediv>
<refsynopsisdiv>
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<functsynopsisinfo>#include <lwres/lwres.h></functsynopsisinfo>
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<paramdef>lwres_gabnrequest_t *req</paramdef>
<paramdef>lwres_lwpacket_t *pkt</paramdef>
<paramdef>lwres_buffer_t *b</paramdef>
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<paramdef>lwres_buffer_t *b</paramdef>
<paramdef>lwres_lwpacket_t *pkt</paramdef>
<paramdef>lwres_gabnrequest_t **structp</paramdef>
</funcprototype>
<funcprototype>
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<paramdef>lwres_buffer_t *b</paramdef>
<paramdef>lwres_lwpacket_t *pkt</paramdef>
<paramdef>lwres_gabnresponse_t **structp</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
void
<function>lwres_gabnresponse_free</function></funcdef>
<paramdef>lwres_context_t *ctx</paramdef>
<paramdef>lwres_gabnresponse_t

```

```

**structp</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
void
<function>lwres_gabnrequest_free</function></funcdef>
<paramdef>lwres_context_t *ctx</paramdef>
<paramdef>lwres_gabnrequest_t **structp</paramdef>
</funcprototype>
</funcsynopsis>
</refsynopsisdiv>
<refsect1>
<title>DESCRIPTION</title>
<para>
These are low-level routines for creating and parsing
lightweight resolver name-to-address lookup request and
response messages.
</para><para>
There are four main functions for the getaddrbyname opcode.
One render function converts a getaddrbyname request structure &mdash;
<type>lwres_gabnrequest_t</type> &mdash;
to the lightweight resolver's canonical format.
It is complemented by a parse function that converts a packet in this
canonical format to a getaddrbyname request structure.
Another render function converts the getaddrbyname response structure &mdash;
<type>lwres_gabnresponse_t</type> &mdash;
to the canonical format.
This is complemented by a parse function which
converts a packet in
canonical format to a getaddrbyname response structure.
</para>
<para>
These structures are defined in
<filename>&lt;lwres/lwres.h&gt;</filename>.
They are shown below.
<programlisting>
#define LWRES_OPCODE_GETADDRSBYNAME    0x00010001U

typedef struct lwres_addr lwres_addr_t;
typedef LWRES_LIST(lwres_addr_t) lwres_addrlist_t;

typedef struct {
    lwres_uint32_t flags;
    lwres_uint32_t addrtypes;
    lwres_uint16_t namelen;
    char          *name;
} lwres_gabnrequest_t;

```

```

typedef struct {
    lwres_uint32_t    flags;
    lwres_uint16_t   naliases;
    lwres_uint16_t   naddrs;
    char             *realname;
    char             **aliases;
    lwres_uint16_t   realnamelen;
    lwres_uint16_t   *aliaslen;
    lwres_addrlist_t  addrs;
    void             *base;
    size_t           baselen;
} lwres_gabnresponse_t;

```

</programlisting>

</para>

<para>

<function>lwres_gabnrequest_render()</function>

uses

resolver context

<parameter>ctx</parameter>

to convert getaddrbyname request structure

<parameter>req</parameter>

to canonical format.

The packet header structure

<parameter>pkt</parameter>

is initialised and transferred to

buffer

<parameter>b</parameter>.

The contents of

<parameter>*req</parameter>

are then appended to the buffer in canonical format.

<function>lwres_gabnresponse_render()</function>

performs the same task, except it converts a getaddrbyname response structure

<type>lwres_gabnresponse_t</type>

to the lightweight resolver's canonical format.

</para>

<para>

<function>lwres_gabnrequest_parse()</function>

uses context

<parameter>ctx</parameter>

to convert the contents of packet

<parameter>pkt</parameter>

to a

<type>lwres_gabnrequest_t</type>

structure.

Buffer

<parameter>b</parameter>

provides space to be used for storing this structure.

When the function succeeds, the resulting

`<type>lwres_gabnrequest_t</type>`

is

made available through

`<parameter>*structp</parameter>`.

`<function>lwres_gabnresponse_parse()</function>`

offers the same semantics as

`<function>lwres_gabnrequest_parse()</function>`

except it yields a

`<type>lwres_gabnresponse_t</type>`

structure.

`</para>`

`<para>`

`<function>lwres_gabnresponse_free()</function>`

and

`<function>lwres_gabnrequest_free()</function>`

release the memory in resolver context

`<parameter>ctx</parameter>`

that was allocated to the

`<type>lwres_gabnresponse_t</type>`

or

`<type>lwres_gabnrequest_t</type>`

structures referenced via

`<parameter>structp</parameter>`.

Any memory associated with ancillary buffers and strings for those structures is also discarded.

`</para>`

`</refsect1>`

`<refsect1>`

`<title>RETURN VALUES</title>`

`<para>`

The `getaddrbyname` opcode functions

`<function>lwres_gabnrequest_render()</function>`,

`<function>lwres_gabnresponse_render()</function>`

`<function>lwres_gabnrequest_parse()</function>`

and

`<function>lwres_gabnresponse_parse()</function>`

all return

`<errorcode>LWRES_R_SUCCESS</errorcode>`

on

success.

They return

`<errorcode>LWRES_R_NOMEMORY</errorcode>`

if memory allocation fails.

`<errorcode>LWRES_R_UNEXPECTEDEND</errorcode>`

is returned if the available space in the buffer

<parameter>b</parameter>
 is too small to accommodate the packet header or the
 <type>lwres_gabnrequest_t</type>
 and
 <type>lwres_gabnresponse_t</type>
 structures.
 <function>lwres_gabnrequest_parse()</function>
 and
 <function>lwres_gabnresponse_parse()</function>
 will return
 <errorcode>LWRES_R_UNEXPECTEDEND</errorcode>
 if the buffer is not empty after decoding the received packet.
 These functions will return
 <errorcode>LWRES_R_FAILURE</errorcode>
 if
 <structfield>pktflags</structfield>
 in the packet header structure
 <type>lwres_lwpacket_t</type>
 indicate that the packet is not a response to an earlier query.
 </para>
 </refsect1>
 <refsect1>
 <title>SEE ALSO</title>
 <para>
 <citerefentry>
 <refentrytitle>lwres_packet</refentrytitle><manvolnum>3
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*
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/sco42/include/sys/un.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/nameser/ns_date.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/include/isc/irpmarshall.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/include/irp.h

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*

*/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/parseint.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/syslog.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind9/getaddresses.c

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/include/isc/assertions.h

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/dns.c

*

/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/lcl.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/logging.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/resolv/res_update.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/dns_nw.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/lcl_ng.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/logging_p.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/inet/nsap_addr.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/include/isc/logging.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/getgrent.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/dns_p.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/dns_gr.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/gen.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/gen_gr.c

*

/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/resolv/res_mkupdate.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/nis.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/inet/inet_ntop.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/nameser/ns_print.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/gethostent.c

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/dst/hmac_link.c

*

/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/dst/dst_api.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/dst/support.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/dst/dst_internal.h

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Found in path(s):

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/ctl_srvr.c

*

```
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/inet/inet_cidr_ntop.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/ctl_p.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/include/isc/ctl.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/inet/inet_cidr_pton.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/resolv/res_mkupdate.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/ctl_clnt.c
```

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```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/ev_streams.c
```

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*
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```
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/ev_waits.c
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/nameser/ns_samedomain.c

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/*

* SHA-1 in C

* By Steve Reid <steve@edmweb.com>

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*

* Test Vectors (from FIPS PUB 180-1)

* "abc"

* A9993E36 4706816A BA3E2571 7850C26C 9CD0D89D

* "abcdbcdecdefdefgefghfghighijhijkjklklmklmnlmnomnopopq"

* 84983E44 1C3BD26E BAAE4AA1 F95129E5 E54670F1

* A million repetitions of "a"

* 34AA973C D4C4DAA4 F61EEB2B DBAD2731 6534016F

*/

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.\" $Id: lwres_gnba.3,v 1.1 2004/11/03 01:39:06 abstine Exp $
.\"
```

Found

in path(s):

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_gnba.3
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*
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/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/portlist.h
```

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/rrsig_46.c
```

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/stdlib.h
```

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/portlist.c
```

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/nsec_47.c
```

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/rrsig_46.h
```

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/sshfp_44.h
```

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/ifiter_getifaddrs.c
```

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/hash.h
```



```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/dnskey_48.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/nsec_47.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/sshfp_44.c
*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/dnskey_48.h
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```

Found

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*/
/*
* Get the response to 'request' by filling in 'message'.
```

```

*
* 'options' is passed
* to dns_message_parse(). See dns_message_parse()
* for more details.
*
* Requires:
*
* 'request' is a valid request for which the caller has received the
* completion event.
*
* The result code of the completion event was ISC_R_SUCCESS.
*
* Returns:
*
* ISC_R_SUCCESS
*
* Any result that dns_message_parse() can return.
*/

```

Found in path(s):

```

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*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/irp_nw.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/irp_sv.c
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/dlv_65323.h
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/hex.c

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*/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/gai_strerror.c

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/ptr_12.h

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*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/win32/version.c
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/txt_16.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/eventclass.h
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/version.c
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*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/version.c
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/md_3.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/minfo_14.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/mb_7.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/md_3.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/mb_7.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/minfo_14.c

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/soa_6.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/proforma.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/boolean.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/iscconf/version.c
*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/opt_41.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/event.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/threads/include/isc/thread.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/win32/version.c
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/lcl_ho.c
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*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/include/isc/memcluster.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/cygwin/include/ansi_realloc.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/memcluster.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/bsd/utimes.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/include/isc/heap.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/include/isc/list.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/heap.c
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/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdataslab.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/nocache.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/master.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/dispatch.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/db.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/random.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/resolver.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/interfaceiter.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/include/isc/net.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/types.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/ifiter_sysctl.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/include/isc/net.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rbt.c

*

/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/xfrin.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/adb.h

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/cert_37.c
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/adb.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/app.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/masterdump.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/in_1/a6_38.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/view.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/rdataset.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/view.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/zone.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/log.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/nxt_30.c
*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/net.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/dispatch.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/dnssec.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdataset.c
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```

```
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```

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/resolv/res_mkquery.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/resolv/res_comp.c

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/lwinetntop.c

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/*

* eventlib.em

*

* Eventlib error message compiler input file

*

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*/

/*

* The file basename is the facility name, the name is made
* uppercase. This file defines facility EVENTLIB

*/

```
module {  
    description "EVENTLIB system messages";  
}
```

```

errmsg HISTSUMM {
    severity err;
    category software;
    cdets_component iosxe-binos-utils;

format "dispatch start: %llums elapsed time: %llums detected hog: %u set count: %u ";
    arg {
"int" dispatch_time "event dispatch time";
"int" elapsed_time "event elapsed time";
"int" hog_detected "event hog detected";
"int" set_count "event set count since dispatch"
    }
    explanation
        "Eventlib historical summary for detected hog.";

    action
        "This event summary is part of a CPUHOG or TIMEHOG error, "
        "providing diagnostic details useful
to engineering. "
        "Save this summary message along with the HOG error. ";

    tac_details
        "Eventlib historical summary for detected hog.";
}

errmsg HISTELEM {
    severity err;
    category software;
    cdets_component iosxe-binos-utils;

format "elem[%u] event: %s %s set: %llums unset: %llums hog check: %d caller: %p app-info: %s";

    arg {
"int" set_count "element set count";
"char *" position_string "event call type";
"char *" position_string "event condition";
"int" set_time "element set time";
"int" unset_time "element unset time";
"int" hog_check "element hog check result";
"int" caller "caller builtin return address";
"char *" any_string "element callback render buffer";
    }
    explanation
        "Eventlib historical element for detected hog.";

    action
        "This event element is part of a CPUHOG or TIMEHOG error, "

```

```
"providing diagnostic details useful to engineering. "
```

```
"Save all element
```

```
messages along with the HOG error. ";
```

```
    tac_details
```

```
        "Eventlib historical element for detected hog.>";
```

```
    }
```

Found in path(s):

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/eventlib.em
```

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```
*/
```

Found in path(s):

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/bsd/strcasecmp.c
```


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.\"
.\" $Id: lwres_packet.3,v 1.1 2004/11/03 01:39:06 abstine Exp $
.\"
```

Found

in path(s):

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_packet.3
```

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Found in path(s):

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/region.h
```

```
*
```

```
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/socket.h
```

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/soa_6.c
```

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/netaddr.h
```

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/txt_16.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/buffer.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/event.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/hinfo_13.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/threads/include/isc/mutex.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/timer.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/timer.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/null_10.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/lex.h
*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/proforma.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/buffer.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/opt_41.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/in_1/a_1.c
```

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*/
```

Found in path(s):

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/iscconf/include/iscconf/namedconf.h
```

```
*
```

```
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/netscope.h
```

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/win32os.c
```

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/in_1/apl_42.c
```

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/opcode.h
```

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/region.c
```

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/in_1/apl_42.h
```

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/sec/dst/dst_openssl.h
```

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/order.c
```

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/netscope.c
```

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/include/isc/win32os.h
```

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/ds_43.c
```

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/win32/lwconfig.c
```

```
*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/ds.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/ds_43.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/order.h
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```
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```

```
<!--
```

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```

```
-->
```

```
<!-- $Id: lwres_context.docbook,v
```

```
1.1 2004/11/03 01:39:06 abstine Exp $ -->
```

```
<refentry>
```

```
<refentryinfo>
```

```
<date>Jun 30, 2000</date>
```

```
</refentryinfo>
```

```
<refmeta>
```

```
<refentrytitle>lwres_context</refentrytitle>
```

```
<manvolnum>3</manvolnum>
```

```
<refmiscinfo>BIND9</refmiscinfo>
```

```
</refmeta>
```

```
<refnamediv>
```

```
<refname>lwres_context_create</refname>
```

```
<refname>lwres_context_destroy</refname>
```

```
<refname>lwres_context_nextserial</refname>
```

```
<refname>lwres_context_initserial</refname>
```

```
<refname>lwres_context_freemem</refname>
```

```
<refname>lwres_context_allocmem</refname>
```

```
<refname>lwres_context_sendrecv</refname>
```

```
<refpurpose>lightweight resolver context management</refpurpose>
```

```
</refnamediv>
```

```

<refsynopsisdiv>
<funcsynopsis>
<funcsynopsisinfo>#include &lt;lwres/lwres.h&gt;</funcsynopsisinfo>
<funcprototype>
<funcdef>
lwres_result_t
<function>lwres_context_create</function></funcdef>
<paramdef>lwres_context_t **contextp</paramdef>
<paramdef>void *arg</paramdef>
<paramdef>lwres_malloc_t malloc_function</paramdef>
<paramdef>lwres_free_t free_function</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
lwres_result_t
<function>lwres_context_destroy</function></funcdef>
<paramdef>lwres_context_t
**contextp</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
void
<function>lwres_context_initserial</function></funcdef>
<paramdef>lwres_context_t *ctx</paramdef>
<paramdef>lwres_uint32_t serial</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
lwres_uint32_t
<function>lwres_context_nextserial</function></funcdef>
<paramdef>lwres_context_t *ctx</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
void
<function>lwres_context_freemem</function></funcdef>
<paramdef>lwres_context_t *ctx</paramdef>
<paramdef>void *mem</paramdef>
<paramdef>size_t len</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
void
<function>lwres_context_allocmem</function></funcdef>
<paramdef>lwres_context_t *ctx</paramdef>
<paramdef>size_t len</paramdef>
</funcprototype>
<funcprototype>

```

```
<funcdef>
void *
<function>lwres_context_sendrecv</function></funcdef>
<paramdef>lwres_context_t
*ctx</paramdef>
<paramdef>void *sendbase</paramdef>
<paramdef>int sendlen</paramdef>
<paramdef>void *recvbase</paramdef>
<paramdef>int recvlen</paramdef>
<paramdef>int *recvd_len</paramdef>
</funcprototype>
</funcsynopsis>
</refsynopsisdiv>
<refsect1>
```

<title>DESCRIPTION</title>

<para>

<function>lwres_context_create()</function>

creates a

<type>lwres_context_t</type>

structure for use in lightweight resolver operations.

It holds a socket and other data needed for communicating with a resolver daemon.

The new

<type>lwres_context_t</type>

is returned through

<parameter>contextp</parameter>,

a pointer to a

<type>lwres_context_t</type>

pointer. This

<type>lwres_context_t</type>

pointer must initially be NULL, and is modified

to point to the newly created

<type>lwres_context_t</type>.

</para>

<para>

When the lightweight resolver needs to perform dynamic memory allocation, it will call

<parameter>malloc_function</parameter>

to allocate memory and

<parameter>free_function</parameter>

to

free it. If

<parameter>malloc_function</parameter>

and

<parameter>free_function</parameter>

are NULL, memory is allocated using

.Xr malloc 3

and

<citerefentry>

<refentrytitle>free</refentrytitle><manvolnum>3</manvolnum>

</citerefentry>.

It is not permitted to have a NULL

<parameter>malloc_function</parameter>

and a non-NULL

<parameter>free_function</parameter>

or vice versa.

<parameter>arg</parameter>

is passed as the first parameter to the memory allocation functions.

If

<parameter>malloc_function</parameter>

and

<parameter>free_function</parameter>

are NULL,

<parameter>arg</parameter>

is unused and should be passed as NULL.

</para>

<para>

Once memory for the structure has been allocated,

it is initialized using

<citerefentry>

<refentrytitle>lwres_conf_init</refentrytitle><manvolnum>3</manvolnum>

</citerefentry>

and returned via

<parameter>*contextp</parameter>.

</para>

<para>

<function>lwres_context_destroy()</function>

destroys a

<type>lwres_context_t</type>,

closing

its socket.

<parameter>contextp</parameter>

is a pointer to a pointer to the context that is to be destroyed.

The pointer will be set to NULL when the context has been destroyed.

</para>

<para>

The context holds a serial number that is used to identify resolver request packets and associate responses with the corresponding requests.

This serial number is controlled using

`<function>lwres_context_initserial()</function>`

and

`<function>lwres_context_nextserial()</function>`.

`<function>lwres_context_initserial()</function>`

sets the serial number for context

`<parameter>*ctx</parameter>`

to

`<parameter>serial</parameter>`.

`<function>lwres_context_nextserial()</function>`

increments the serial number and returns the previous value.

`</para>`

`<para>`

Memory for a lightweight resolver context is allocated and freed using

`<function>lwres_context_allocmem()</function>`

and

`<function>lwres_context_freemem()</function>`.

These use whatever allocations were defined when the context was created

with

`<function>lwres_context_create()</function>`.

`<function>lwres_context_allocmem()</function>`

allocates

`<parameter>len</parameter>`

bytes of memory and if successful returns a pointer to the allocated storage.

`<function>lwres_context_freemem()</function>`

frees

`<parameter>len</parameter>`

bytes of space starting at location

`<parameter>mem</parameter>`.

`</para>`

`<para>`

`<function>lwres_context_sendrecv()</function>`

performs I/O for the context

`<parameter>ctx</parameter>`.

Data are read and written from the context's socket.

It writes data from

`<parameter>sendbase</parameter>`

— typically a lightweight resolver query packet —

and waits for a reply which is copied to the receive buffer at

`<parameter>recvbase</parameter>`.

The number of bytes that were written to this receive buffer is returned in `<parameter>*recvd_len</parameter>`.

</para>

</refsect1>

<refsect1>

<title>RETURN VALUES</title>

<para>

<function>lwres_context_create()</function>

returns

<errorcode>LWRES_R_NOMEMORY</errorcode>

if

memory for the

<type>struct lwres_context</type>

could not be allocated,

<errorcode>LWRES_R_SUCCESS</errorcode>

otherwise.

</para>

<para>

Successful calls to the memory allocator

<function>lwres_context_allocmem()</function>

return a pointer to the start of the allocated space.

It returns NULL if memory could not be allocated.

</para>

<para>

<errorcode>LWRES_R_SUCCESS</errorcode>

is returned when

<function>lwres_context_sendrecv()</function>

completes successfully.

<errorcode>LWRES_R_IOERROR</errorcode>

is returned if an I/O error occurs and

<errorcode>LWRES_R_TIMEOUT</errorcode>

is returned if

<function>lwres_context_sendrecv()</function>

times out waiting for a response.

</para>

</refsect1>

<refsect1>

<title>SEE ALSO</title>

<para>

<citerefn>

<refentrytitle>lwres_conf_init</refentrytitle><manvolnum>3</manvolnum>

</citerefn>,</para>

<citerefn>

<refentrytitle>malloc</refentrytitle><manvolnum>3</manvolnum>

</citerefn>,</para>


```
<citerefentry>
<refentrytitle>free</refentrytitle><manvolnum>3
</manvolnum>
</citerefentry>.
</para>
</refsect1>
</refentry>
```

Found

in path(s):

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_context.docbook
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```

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Found in path(s):

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/bsd/strsep.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/bsd/daemon.c
```

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```

```
.\"
```

```
.\" $Id: lwres_gethostent.3,v 1.1 2004/11/03 01:39:06 abstine Exp $
```

```
.\"
```

Found

in path(s):

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_gethostent.3
```

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Found in path(s):

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/lex.c
```

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*
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```
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/result.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/result.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/gen.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/task.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/sockaddr.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/types.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/name.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/name.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rcode.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/time.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/rdata.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/socket.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata.c
```

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```
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*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/ipv6.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/nls/msgcat.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/in_1/nsap-ptr_23.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/serial.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/rcode.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/rdatastructpre.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/include/isc/netdb.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/tests/include/tests/t_api.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/in_1/kx_36.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/dbtable.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/rp_17.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rbtdb64.h
*
```

```

/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/rp_17.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rbtdb64.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/sec/dst/include/dst/lib.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/dbtable.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/lib.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/in_1/a6_38.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/in_1/nsap_ptr_23.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/rdatasetiter.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/dname_39.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/include/isc/syslog.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/dname_39.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/cert.h
*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/app.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/any_255/tsig_250.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/lfsr.h
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/mutexblock.c
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/time.h
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/include/isc/stdtime.h
*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/loc_29.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/sec/dst/dst_result.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/callbacks.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/tcpmsg.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/resultclass.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/serial.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/include/isc/once.h
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/rdatalist.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/dbiterator.h
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/taskpool.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/app.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/ipv6.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/in_1/px_26.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/rt_21.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/compress.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/include/isc/netdb.h

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/bufferlist.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/include/isc/stdtime.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/sec/dst/dst_lib.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/bitstring.h
*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/cache.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/unspec_103.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/taskpool.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/cert_37.h
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/dir.c
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/lib.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/once.c
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/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/magic.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/include/isc/int.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/tkey.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/isdn_20.h
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/journal.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/sec/dst/include/dst/result.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/base64.h
*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/rootns.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/bufferlist.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/stdtime.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/random.h

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/hs_4/a_1.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/fixname.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/x25_19.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/interfaceiter.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/lang.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/lib.h

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*/

Found in path(s):

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/lookup.c

*

/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/include/isc/stat.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/sdb.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/peer.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/ssu.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/string.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/context.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/threads/thread.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/ssu.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/peer.h

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.\ " \$Id: heap.mdoc,v 1.1 2004/11/03 01:39:04 abstine Exp \$

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.\"

.\"Os

OPERATING_SYSTEM [version/release]

.\" The following requests should be uncommented and

.\" used where appropriate. This next request is

.\" for sections 2 and 3 function return values only.

.\" This next request is for sections 1, 6, 7 & 8 only

.\" .Sh ENVIRONMENT

.\" .Sh EXAMPLES

.\" This next request is for sections 1, 6, 7 & 8 only

.\" (command return values (to shell) and

.\" fprintf/stderr type diagnostics)

.\" The next request is for sections 2 and 3 error

.\" and signal handling only.

.\" .Sh STANDARDS

.\" .Sh HISTORY

.\" .Sh BUGS

Found in path(s):

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/heap.mdoc

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_inetntop.html

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres.html

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_getnameinfo.html

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_hsterror.html

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_inetntop.docbook

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_gai_strerror.html

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_gnba.docbook

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_packet.html

*

/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_buffer.html

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_gai_strerror.docbook

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_noop.html

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_getnameinfo.docbook

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_resutil.html

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres.docbook

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_buffer.docbook

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_getaddrinfo.html

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_gethostent.html

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_context.html

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_gnba.html

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_config.html

*

/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_hsterror.docbook

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_packet.docbook

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_gabn.html

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_getipnode.html

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_noop.docbook

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_gettrsetbyname.html

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*

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/*
* This code implements the MD5 message-digest algorithm.
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*
* Equivalent code is available from RSA Data Security, Inc.
* This code has been tested against that, and is equivalent,
* except that you don't need to include two pages of legalese
* with every copy.
*
* To compute the message digest of a chunk of bytes, declare an
* MD5Context structure, pass it to MD5Init, call MD5Update as
* needed on buffers full of bytes, and then call MD5Final, which
* will fill a supplied 16-byte array with the digest.
*/

```

Found in path(s):

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/md5.c
```

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.\" $Id: lwres_config.3,v 1.1 2004/11/03 01:39:06 abstine Exp $

```

.\"

Found

in path(s):

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_config.3

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*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/syslog.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/parseint.c
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```
# $Id: includes.in,v 1.1 2004/11/03 01:39:04 abstine Exp $
```

```
# Search for machine-generated header files in the
# build tree,
# and for normal headers in the source tree (${top_srcdir}).
# We only need to look in OS-specific subdirectories for the
# latter case, because there are no machine-generated OS-specific
# headers.
```

```
ISC_INCLUDES = @BIND9_ISC_BUILDINCLUDE@ \  
-I${top_srcdir}/lib/isc \  
-I${top_srcdir}/lib/isc/include \  
-I${top_srcdir}/lib/isc/unix/include \  
-I${top_srcdir}/lib/isc/@ISC_THREAD_DIR@/include
```

```
ISCCFG_INCLUDES = @BIND9_ISCCFG_BUILDINCLUDE@ \  
-I${top_srcdir}/lib/isccfg/include
```

```
DNS_INCLUDES = @BIND9_DNS_BUILDINCLUDE@ \  
-I${top_srcdir}/lib/dns/include \  
-I${top_srcdir}/lib/dns/sec/dst/include
```

```
OMAPI_INCLUDES = @BIND9_OMAPI_BUILDINCLUDE@ \  
-I${top_srcdir}/lib/omapi/include
```

```
LWRES_INCLUDES = @BIND9_LWRES_BUILDINCLUDE@ \  
-I${top_srcdir}/lib/lwres/include
```

```
TEST_INCLUDES = \  
-I${top_srcdir}/lib/tests/include
```

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*

* BINOS specific changes to associate memcluster with an evctx

*

* March 2014,

Aswin Kuppasami

*/

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/memcluster_p.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/memcluster_binoc.c

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/refcount.h

*

*/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/zonekey.c

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*/
/*
* SHA-1 in C
* By Steve Reid <steve@edmweb.com>
* 100% Public Domain
*/

Found

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*/
/*
* This is the header file for the MD5 message-digest algorithm.
* The algorithm
is due to Ron Rivest. This code was
* written by Colin Plumb in 1993, no copyright is claimed.
* This code is in the public domain; do with it what you wish.
*
* Equivalent code is available from RSA Data Security, Inc.
* This code has been tested against that, and is equivalent,
* except that you don't need to include two pages of legalese
* with every copy.
*
* To compute the message digest of a chunk of bytes, declare an
* MD5Context structure, pass it to MD5Init, call MD5Update as
* needed on buffers full of bytes, and then call MD5Final, which
* will fill a supplied 16-byte array with the digest.
*
* Changed so as no longer to depend on Colin Plumb's `usual.h'
* header definitions; now uses stuff from dpkg's config.h
* - Ian Jackson <ijackson@nyx.cs.du.edu>.

* Still in the public domain.

*/

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/md5.h

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/print.h
*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/print.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/string.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/nsec.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdatalist.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/in_1/px_26.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/tkey.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/rt_21.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/tkey_249.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/in_1/kx_36.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/log.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/print_p.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/afbdb_18.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/db.c
*

/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/log.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/print.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/xfrin.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/resolver.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/keyvalues.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/in_1/naptr_35.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/nsec.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/in_1/srv_33.c

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/sec/dst/dst_parse.h

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.\" $Id: lwres_getaddrinfo.3,v 1.1 2004/11/03 01:39:06 abstine Exp $
.\"
```

Found

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_getaddrinfo.3

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/dst/md5_locl.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/dst/md5_dgst.c

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*/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccfg/include/isccfg/grammar.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/ds.c

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/include/isc/eventlib.h
*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/eventlib.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/ev_timers.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/eventlib_p.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/include/isc/misc.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/ev_files.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/ev_connects.c

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.\" \$Id: lwres_hsterror.3,v 1.1 2004/11/03 01:39:06 abstine Exp \$
.\"

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<!DOCTYPE refentry PUBLIC "-//OASIS//DTD DocBook V4.1//EN">

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<!-- \$Id: lwres_gethostent.docbook,v

1.1 2004/11/03 01:39:06 abstine Exp \$ -->

<refentry>

<refentryinfo>

<date>Jun 30, 2000</date>

</refentryinfo>

<refmeta>

<refentrytitle>lwres_gethostent</refentrytitle>

<manvolnum>3</manvolnum>

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<refmiscinfo>BIND9</refmiscinfo>
</refmeta>

<refnamediv>
<refname>lwres_gethostbyname</refname>
<refname>lwres_gethostbyname2</refname>
<refname>lwres_gethostbyaddr</refname>
<refname>lwres_gethostent</refname>
<refname>lwres_sethostent</refname>
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<refname>lwres_gethostbyaddr_r</refname>
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<refname>lwres_sethostent_r</refname>
<refname>lwres_endhostent_r</refname>
<refpurpose>lightweight resolver get network host entry</refpurpose>
</refnamediv>
<refsynopsisdiv>
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<funcdef>
struct hostent *
<function>lwres_gethostbyname</function></funcdef>
<paramdef>const char *name</paramdef>
</funcprototype>
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struct
  hostent *
<function>lwres_gethostbyname2</function></funcdef>
<paramdef>const char *name</paramdef>
<paramdef>int af</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
struct hostent *
<function>lwres_gethostbyaddr</function></funcdef>
<paramdef>const char *addr</paramdef>
<paramdef>int len</paramdef>
<paramdef>int type</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
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<paramdef>void</paramdef>
</funcprototype>

```

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<funcprototype>
<funcdef>
void
<function>lwres_sethostent</function></funcdef>
<paramdef>int stayopen</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
void
<function>lwres_endhostent</function></funcdef>
<paramdef>void</paramdef>
</funcprototype>
<funcprototype>
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<paramdef>const char *name</paramdef>
<paramdef>struct hostent *resbuf</paramdef>
<paramdef>char *buf</paramdef>
<paramdef>int
buflen</paramdef>
<paramdef>int *error</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
struct hostent *
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<paramdef>const char *addr</paramdef>
<paramdef>int len</paramdef>
<paramdef>int type</paramdef>
<paramdef>struct hostent *resbuf</paramdef>
<paramdef>char *buf</paramdef>
<paramdef>int buflen</paramdef>
<paramdef>int *error</paramdef>
</funcprototype>
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<funcdef>
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<paramdef>struct hostent *resbuf</paramdef>
<paramdef>char *buf</paramdef>
<paramdef>int buflen</paramdef>
<paramdef>int *error</paramdef>
</funcprototype>
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void
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<paramdef>int stayopen</paramdef>
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void
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</funcprototype>
</funcsynopsis>
</refsynopsisdiv>

```

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<refsect1>
```

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<title>DESCRIPTION</title>
```

```
<para>
```

These

functions provide hostname-to-address and address-to-hostname lookups by means of the lightweight resolver.

They are similar to the standard

```
<citerefentry>
```

```
<refentrytitle>gethostent</refentrytitle><manvolnum>3
```

```
</manvolnum>
```

```
</citerefentry>
```

functions provided by most operating systems.

They use a

```
<type>struct hostent</type>
```

which is usually defined in

```
<filename>&lt;namedb.h&gt;</filename>.
```

```
<programlisting>
```

```

struct hostent {
    char  *h_name;    /* official name of host */
    char  **h_aliases; /* alias list */
    int   h_addrtype; /* host address type */
    int   h_length;   /* length of address */
    char  **h_addr_list; /* list of addresses from name server */
};
#define h_addr h_addr_list[0] /* address, for backward compatibility */

```

```
</programlisting>
```

```
</para>
```

```
<para>
```

The members of this structure are:

```
<variablelist>
```

```
<varlistentry><term><constant>h_name</constant></term>
```

```
<listitem>
```

```
<para>
```

The official (canonical)

name of the host.

```
</para>
```

```

</listitem></varlistentry>
<varlistentry><term><constant>h_aliases</constant></term>
<listitem>
<para>
A NULL-terminated array of alternate names (nicknames) for the host.
</para>
</listitem></varlistentry>
<varlistentry><term><constant>h_addrtype</constant></term>
<listitem>
<para>
The type of address being returned &mdash;
<type>PF_INET</type>
or
<type>PF_INET6</type>.
</para>
</listitem></varlistentry>
<varlistentry><term><constant>h_length</constant></term>
<listitem>
<para>
The length of the address in bytes.
</para>
</listitem></varlistentry>
<varlistentry><term><constant>h_addr_list</constant></term>
<listitem>
<para>
A <type>NULL</type>
terminated array of network addresses for the host.
Host addresses are returned in network byte order.
</para>
</listitem></varlistentry>
</variablelist>
</para>
<para>
For backward compatibility with very old software,
<constant>h_addr</constant>
is the first address in
<constant>h_addr_list.</constant>
</para>
<para>
<function>lwres_ghostent()</function>,
<function>lwres_sethostent()</function>,
<function>lwres_endhostent()</function>,
<function>lwres_ghostent_r()</function>,
<function>lwres_sethostent_r()</function>
and
<function>lwres_endhostent_r()</function>
provide

```

iteration over the known host entries on systems that provide such functionality through facilities like `<filename>/etc/hosts</filename>` or NIS. The lightweight resolver does not currently implement these functions; it only provides them as stub functions that always return failure.

</para>

<para>

`<function>lwres_gethostbyname()</function>` and `<function>lwres_gethostbyname2()</function>` look up the hostname `<parameter>name</parameter>`. `<function>lwres_gethostbyname()</function>` always looks for an IPv4 address while `<function>lwres_gethostbyname2()</function>` looks for an address of protocol family `<parameter>af</parameter>`: either `<type>PF_INET</type>` or `<type>PF_INET6</type>` — IPv4 or IPV6 addresses respectively. Successful calls of the functions return a `<type>struct hostent</type>` for the name that was looked up. `<type>NULL</type>` is returned if the lookups by `<function>lwres_gethostbyname()</function>` or `<function>lwres_gethostbyname2()</function>` fail.

</para>

<para>

Reverse lookups of addresses are performed by `<function>lwres_gethostbyaddr()</function>`. `<parameter>addr</parameter>` is an address of length `<parameter>len</parameter>` bytes and protocol family `<parameter>type</parameter>` — `<type>PF_INET</type>` or `<type>PF_INET6</type>`. `<function>lwres_gethostbyname_r()</function>` is a thread-safe function for forward lookups. If an error occurs, an error code is returned in `<parameter>*error</parameter>`. `<parameter>resbuf</parameter>` is a pointer to a `<type>struct hostent</type>` which is initialised by a successful call to `<function>lwres_gethostbyname_r()</function>`. `<parameter>buf</parameter>` is a buffer of length `<parameter>len</parameter>` bytes which is used to store the `<constant>h_name</constant>`, `<constant>h_aliases</constant>`, and `<constant>h_addr_list</constant>` elements of the `<type>struct hostent</type>` returned in `<parameter>resbuf</parameter>`. Successful calls to `<function>lwres_gethostbyname_r()</function>` return `<parameter>resbuf</parameter>`, which is a pointer to the `<type>struct hostent</type>` it created.

</para>

<para>
<function>lwres_gethostbyaddr_r()</function> is a thread-safe function that performs a reverse lookup of address <parameter>addr</parameter> which is <parameter>len</parameter> bytes long and is of protocol family <parameter>type</parameter> — <type>PF_INET</type> or <type>PF_INET6</type>. If an error occurs, the error code is returned in <parameter>*error</parameter>. The other function parameters are identical to those in <function>lwres_gethostbyname_r()</function>. <parameter>resbuf</parameter> is a pointer to a <type>struct hostent</type> which is initialised by a successful call to <function>lwres_gethostbyaddr_r()</function>. <parameter>buf</parameter> is a buffer of length <parameter>len</parameter> bytes which is used to store the <constant>h_name</constant>, <constant>h_aliases</constant>, and <constant>h_addr_list</constant> elements of the <type>struct hostent</type> returned in <parameter>resbuf</parameter>. Successful calls to <function>lwres_gethostbyaddr_r()</function> return <parameter>resbuf</parameter>, which is a pointer to the <function>struct hostent()</function> it created.
</para>

</refsect1>

<refsect1>

<title>RETURN VALUES</title>

<para>

The functions

<function>lwres_gethostbyname()</function>,
<function>lwres_gethostbyname2()</function>,
<function>lwres_gethostbyaddr()</function>,
and

<function>lwres_gethostent()</function>
return NULL to indicate an error. In this case the global variable

<type>lwres_h_errno</type>
will contain one of the following error codes defined in
<filename><lwres/netdb.h></filename>:

<variablelist>

<varlistentry><term><constant>HOST_NOT_FOUND</constant></term>

<listitem>

<para>

The

host or address was not found.

</para>

</listitem></varlistentry>

<varlistentry><term><constant>TRY_AGAIN</constant></term>

<listitem>

<para>

A recoverable error occurred, e.g., a timeout.

Retrying the lookup may succeed.

</para>

</listitem></varlistentry>

<varlistentry><term><constant>NO_RECOVERY</constant></term>

</listitem>

<para>

A non-recoverable error occurred.

</para>

</listitem></varlistentry>

<varlistentry><term><constant>NO_DATA</constant></term>

</listitem>

<para>

The name exists, but has no address information associated with it (or vice versa in the case of a reverse lookup). The code NO_ADDRESS is accepted as a synonym for NO_DATA for backwards compatibility.

</para>

</listitem></varlistentry>

</variablelist>

</para>

<para>

<citrefentry>

<refentrytitle>lwres_hsterror</refentrytitle><manvolnum>3

</manvolnum>

</citrefentry>

translates these error codes to suitable error messages.

</para>

<para>

<function>lwres_gethostent()</function>

and

<function>lwres_gethostent_r()</function>

always

return

<type>NULL</type>.

</para>

<para>

Successful calls to <function>lwres_gethostbyname_r()</function> and

<function>lwres_gethostbyaddr_r()</function> return

<parameter>resbuf</parameter>, a pointer to the <type>struct

hostent</type> that was initialised by these functions. They return

<type>NULL</type> if the lookups fail or if <parameter>buf</parameter>

was too small to hold the list of addresses and names referenced by

the `h_name`, `h_aliases`, and `h_addr_list` elements of the `struct hostent`. If `buf` was too small, both `lwres_gethostbyname_r()` and `lwres_gethostbyaddr_r()` set the global variable `errno` to `ERANGE`.

SEE ALSO

`gethostent`

,

`lwres_getipnode`

,

`lwres_hsterror`

BUGS

`lwres_gethostbyname()`,

`lwres_gethostbyname2()`,

`lwres_gethostbyaddr()`

and

`lwres_endhostent()`

are

not thread safe; they return pointers to static data and

provide error codes through a global variable.

Thread-safe versions for name and address lookup are provided by

`lwres_gethostbyname_r()`,

and

`lwres_gethostbyaddr_r()`

respectively.

The resolver daemon does not currently support any non-DNS

name services such as

`/etc/hosts`

or
<type>NIS</type>,
consequently the above functions don't, either.
</para>
</refsect1>
</refentry>

Found in path(s):

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_gethostent.docbook
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-->
```

```
<!-- $Id: lwres_config.docbook,v
1.1 2004/11/03 01:39:06 abstine Exp $ -->
```

```
<refentry>
<refentryinfo>
```

```
<date>Jun 30, 2000</date>
</refentryinfo>
```

```
<refmeta>
<refentrytitle>lwres_config</refentrytitle>
<manvolnum>3</manvolnum>
<refmiscinfo>BIND9</refmiscinfo>
</refmeta>
```

```
<refnamediv>
<refname>lwres_conf_init</refname>
<refname>lwres_conf_clear</refname>
<refname>lwres_conf_parse</refname>
```

```

<refname>lwres_conf_print</refname>
<refname>lwres_conf_get</refname>
<refpurpose>lightweight resolver configuration</refpurpose>
</refnamediv>

<refsynopsisdiv>
<funcsynopsis>
<funcsynopsisinfo>#include <lwres/lwres.h></funcsynopsisinfo>
<funcprototype>
<funcdef>
void
<function>lwres_conf_init</function></funcdef>
<paramdef>lwres_context_t *ctx</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
void
<function>lwres_conf_clear</function></funcdef>
<paramdef>lwres_context_t *ctx</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
lwres_result_t
<function>lwres_conf_parse</function></funcdef>
<paramdef>lwres_context_t *ctx</paramdef>
<paramdef>const
char *filename</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
lwres_result_t
<function>lwres_conf_print</function></funcdef>
<paramdef>lwres_context_t *ctx</paramdef>
<paramdef>FILE *fp</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
lwres_conf_t *
<function>lwres_conf_get</function></funcdef>
<paramdef>lwres_context_t *ctx</paramdef>
</funcprototype>
</funcsynopsis>
</refsynopsisdiv>

<refsect1>
<title>DESCRIPTION</title>
<para>
<function>lwres_conf_init()</function>

```

creates an empty

<type>lwres_conf_t</type>

structure for lightweight resolver context

<parameter>ctx</parameter>.

</para>

<para>

<function>lwres_conf_clear()</function>

frees up all the internal memory used by

that

<type>lwres_conf_t</type>

structure in resolver context

<parameter>ctx</parameter>.

</para>

<para>

<function>lwres_conf_parse()</function>

opens the file

<parameter>filename</parameter>

and parses it to initialise the resolver context

<parameter>ctx</parameter>'s

<type>lwres_conf_t</type>

structure.

</para>

<para>

<function>lwres_conf_print()</function>

prints

the

<type>lwres_conf_t</type>

structure for resolver context

<parameter>ctx</parameter>

to the

<type>FILE</type>

<parameter>fp</parameter>.

</para>

</refsect1>

<refsect1>

<title>RETURN VALUES</title>

<para>

<function>lwres_conf_parse()</function>

returns

<errorcode>LWRES_R_SUCCESS</errorcode>

if it successfully read and parsed

<parameter>filename</parameter>.

It returns

<errorcode>LWRES_R_FAILURE</errorcode>

if

<parameter>filename</parameter>

could not be opened or contained incorrect

resolver statements.

</para>

<para>

<function>lwres_conf_print()</function>

returns

<errorcode>LWRES_R_SUCCESS</errorcode>

unless an error occurred when converting the network addresses to a numeric host address string.

If this happens, the function returns

<errorcode>LWRES_R_FAILURE</errorcode>.

</para>

</refsect1>

<refsect1>

<title>SEE ALSO</title>

<para>

<citerefentry>

<refentrytitle>stdio</refentrytitle><manvolnum>3</manvolnum>

</citerefentry>,&p>

<citerefentry>

<refentrytitle>resolver</refentrytitle><manvolnum>5</manvolnum>

</citerefentry>.

</refsect1>

<refsect1>

<title>FILES</title>

<para>

<filename>/etc/resolv.conf</filename>

</para>

</refsect1>

</refentry>

Found

in path(s):

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.\" $Id: lwres_gai_strerror.3,v 1.1 2004/11/03 01:39:06 abstine Exp $
.\"
```

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in path(s):

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*

/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/lwinetpton.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/symtab.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/inet_ntop.c

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*

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/time.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/base64.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/task.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/rwlock.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/result.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/time.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/rwlock.c

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```

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```
*/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/resolv/res_data.c
```

```
*
```

```
*/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/inet/inet_data.c
```

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```

AC_REVISION(\$Revision: 1.1 \$)

AC_INIT(resolv/herror.c)

AC_PREREQ(2.13)

AC_CONFIG_HEADER(config.h)

AC_CANONICAL_HOST

AC_PROG_MAKE_SET

AC_PROG_RANLIB

AC_PROG_INSTALL

AC_SUBST(STD_CINCLUDES)

AC_SUBST(STD_CDEFINES)

AC_SUBST(STD_CWARNINGS)

AC_SUBST(CCOPT)

AC_PATH_PROG(AR,

ar)

ARFLAGS="cruv"

AC_SUBST(AR)

AC_SUBST(ARFLAGS)

The POSIX ln(1) program. Non-POSIX systems may substitute

"copy" or something.

LN=ln

AC_SUBST(LN)

case "\$AR" in

"")

AC_MSG_ERROR([

ar program not found. Please fix your PATH to include the directory in
which ar resides, or set AR in the environment with the full path to ar.

])

::

esac

#

Etags.

#

AC_PATH_PROGS(ETAGS, etags emacs-etags)

#

Some systems, e.g. RH7, have the Exuberant Ctags etags instead of

GNU emacs etags, and it requires the -L flag.

#

if test "X\$ETAGS" != "X"; then

AC_MSG_CHECKING(for Exuberant Ctags etags)

if \$ETAGS --version 2>&1 | grep 'Exuberant Ctags' >/dev/null 2>&1; then

AC_MSG_RESULT(yes)

ETAGS="\$ETAGS -L"

else

AC_MSG_RESULT(no)

fi

fi

AC_SUBST(ETAGS)

```

#
# Perl is optional; it is used only by some of the system test scripts.
#
AC_PATH_PROGS(PERL,
perl5 perl)
AC_SUBST(PERL)

#
# isc/list.h and others clash with the rest of BIND 9
#
case "$includedir" in
'${prefix}/include')
includedir='${prefix}/bind/include'
;;
esac
case "$libdir" in
'${prefix}/lib')
libdir='${prefix}/bind/lib'
;;
esac

#
# Make sure INSTALL uses an absolute path, else it will be wrong in all
# Makefiles, since they use make/rules.in and INSTALL will be adjusted by
# configure based on the location of the file where it is substituted.
# Since in BIND9 INSTALL is only substituted into make/rules.in, an immediate
# subdirectory of install-sh, This relative path will be wrong for all
# directories more than one level down from install-sh.
#
case "$INSTALL" in
/*)
;;
*)
#
# Not all systems have dirname.
#
changequote({, })
ac_dir=""echo $INSTALL | sed 's%/[^\/*]*$%%'"
changequote([, ])

ac_prog=""echo
$INSTALL | sed 's%.*/*%%'"
test "$ac_dir" = "$ac_prog" && ac_dir=.
test -d "$ac_dir" && ac_dir=""(cd \"$ac_dir\" && pwd)""
INSTALL="$ac_dir/$ac_prog"
;;
esac

```

```

#
# On these hosts, we really want to use cc, not gcc, even if it is
# found. The gcc that these systems have will not correctly handle
# pthreads.
#
# However, if the user sets $CC to be something, let that override
# our change.
#
if test "X$CC" = "X" ; then
case "$host" in
*-dec-osf*)
    CC="cc"
    ;;
*-solaris*)
    # Use Sun's cc if it is available, but watch
    # out for /usr/ucb/cc; it will never be the right
    # compiler to use.
    #
    # If setting CC here fails, the AC_PROG_CC done
    # below might still find gcc.
IFS="${IFS= }"; ac_save_ifs="$IFS"; IFS=":"
for ac_dir in $PATH; do
test -z "$ac_dir" && ac_dir=.
case
"$ac_dir" in
/usr/ucb)
    # exclude
    ;;
*)
    if test -f "$ac_dir/cc"; then
        CC="$ac_dir/cc"
        break
    fi
    ;;
esac
done
IFS="$ac_save_ifs"
;;
*-hp-hpux*)
    CC="cc"
    ;;
mips-sgi-irix*)
    CC="cc"
    ;;
esac
fi

```

AC_PROG_CC

AC_HEADER_STDC

AC_CHECK_HEADERS(fcntl.h db.h paths.h sys/time.h unistd.h sys/sockio.h sys/select.h sys/timers.h)

AC_C_CONST

AC_C_INLINE

AC_TYPE_SIZE_T

AC_HEADER_TIME

#

check if we need to #include sys/select.h explicitly

#

case \$ac_cv_header_unistd_h in

yes)

AC_MSG_CHECKING(if unistd.h defines fd_set)

AC_TRY_COMPILE([

#include <unistd.h>],

[fd_set read_set; return (0);],

[AC_MSG_RESULT(yes)

ISC_PLATFORM_NEEDSYSSELECTH="#undef ISC_PLATFORM_NEEDSYSSELECTH"

],

[AC_MSG_RESULT(no)

case ac_cv_header_sys_select_h in

yes)

ISC_PLATFORM_NEEDSYSSELECTH="#define ISC_PLATFORM_NEEDSYSSELECTH 1"

;;

no)

AC_MSG_ERROR([need either working unistd.h or sys/select.h])

;;

esac

])

;;

no)

case ac_cv_header_sys_select_h

in

yes)

ISC_PLATFORM_NEEDSYSSELECTH="#define ISC_PLATFORM_NEEDSYSSELECTH 1"

;;

no)

AC_MSG_ERROR([need either unistd.h or sys/select.h])

;;

esac

;;

esac

AC_SUBST(ISC_PLATFORM_NEEDSYSSELECTH)

```

#
# Find the machine's endian flavor.
#
AC_C_BIGENDIAN

AC_ARG_WITH(irs-gr,[ --with-irs-gr Build ....],
want_irs_gr="$withval", want_irs_gr="no")
case "$want_irs_gr" in
yes) WANT_IRS_GR="#define WANT_IRS_GR 1"
    WANT_IRS_GR_OBJS="\${WANT_IRS_GR_OBJS}"
;;
*) WANT_IRS_GR="#undef WANT_IRS_GR" WANT_IRS_GR_OBJS="";;
esac
AC_SUBST(WANT_IRS_GR)
AC_SUBST(WANT_IRS_GR_OBJS)

AC_ARG_WITH(irs-pw,[ --with-irs-pw Build ....],
want_irs_pw="$withval", want_irs_pw="no")
case "$want_irs_pw" in
yes) WANT_IRS_PW="#define WANT_IRS_PW 1"
    WANT_IRS_PW_OBJS="\${WANT_IRS_PW_OBJS}";;
*) WANT_IRS_PW="#undef WANT_IRS_PW" WANT_IRS_PW_OBJS="";;
esac
AC_SUBST(WANT_IRS_PW)
AC_SUBST(WANT_IRS_PW_OBJS)

AC_ARG_WITH(irs-nis,[ --with-irs-nis Build ....],
want_irs_nis="$withval",
want_irs_nis="no")
case "$want_irs_nis" in
yes)
WANT_IRS_NIS="#define WANT_IRS_NIS 1"
WANT_IRS_NIS_OBJS="\${WANT_IRS_NIS_OBJS}"
case "$want_irs_gr" in
yes)
WANT_IRS_NISGR_OBJS="\${WANT_IRS_NISGR_OBJS}";;
*)
WANT_IRS_NISGR_OBJS="";;
esac
case "$want_irs_pw" in
yes)
WANT_IRS_NISPW_OBJS="\${WANT_IRS_NISPW_OBJS}";;
*)
WANT_IRS_NISPW_OBJS="";;
esac
;;
*)

```



```

WANT_IRS_NIS="#undef WANT_IRS_NIS"
WANT_IRS_NIS_OBJS=""
WANT_IRS_NISGR_OBJS=""
WANT_IRS_NISPW_OBJS="";;
esac
AC_SUBST(WANT_IRS_NIS)
AC_SUBST(WANT_IRS_NIS_OBJS)
AC_SUBST(WANT_IRS_NISGR_OBJS)
AC_SUBST(WANT_IRS_NISPW_OBJS)
AC_TRY_RUN([
#ifdef HAVE_DB_H
int have_db_h = 1;
#else
int have_db_h = 0;
#endif
main() { return(!have_db_h); }
],
WANT_IRS_DBPW_OBJS="\${WANT_IRS_DBPW_OBJS}"
,
WANT_IRS_DBPW_OBJS=""
,
WANT_IRS_DBPW_OBJS=""
)
AC_SUBST(WANT_IRS_DBPW_OBJS)

#
# was --with-randomdev specified?
#
AC_MSG_CHECKING(for random device)
AC_ARG_WITH(randomdev,
[ --with-randomdev=PATH Specify path for random device],
use_randomdev="$withval",
use_randomdev="unspec")

case "$use_randomdev" in
unspec)
case "$host" in
*-openbsd*)
devrandom=/dev/srandom
;;
*)
devrandom=/dev/random
;;
)
esac
AC_MSG_RESULT($devrandom)
AC_CHECK_FILE($devrandom,
AC_DEFINE_UNQUOTED(PATH_RANDOMDEV,
"$devrandom"),)

```

```

;;
yes)
AC_MSG_ERROR([--with-randomdev must specify a path])
;;
*)
AC_DEFINE_UNQUOTED(PATH_RANDOMDEV, "$use_randomdev")
AC_MSG_RESULT(using "$use_randomdev")
;;
esac

#
# Begin pthreads checking.
#
# First, decide whether to use multithreading or not.
#
AC_MSG_CHECKING(whether to look for thread support)
AC_ARG_ENABLE(threads,
[ --disable-threads disable multithreading])
case "$enable_threads" in
yes|")
AC_MSG_RESULT(yes)
use_threads=true
;;
no)
AC_MSG_RESULT(no)
use_threads=false
;;
*)
AC_MSG_ERROR([--enable-threads takes yes or no])
;;
esac

if $use_threads
then
#
# Search for / configure pthreads in a system-dependent fashion.
#
case
"$host" in
*-netbsd*)
# NetBSD has multiple pthreads implementations. The
# recommended one to use is "unproven-pthreads". The
# older "mit-pthreads" may also work on some NetBSD
# versions. The PTL2 thread library does not
# currently work with bind9, but can be chosen with
# the --with-ptl2 option for those who wish to
# experiment with it.
CC="gcc"

```

AC_MSG_CHECKING(which NetBSD thread library to use)

AC_ARG_WITH(ptl2,

[--with-ptl2 on NetBSD, use the ptl2 thread library (experimental)],
use_ptl2="\$withval", use_ptl2="no")

: \${LOCALBASE:=/usr/pkg}

if test "X\$use_ptl2" = "Xyes"

then

AC_MSG_RESULT(PTL2)

AC_MSG_WARN(
[linking with PTL2 is highly experimental and not expected to work])

CC=ptlgcc

else

if test ! -d \$LOCALBASE/threads

then

AC_MSG_RESULT(none)

use_threads=false

fi

if \$use_threads

then

AC_MSG_RESULT(mit-threads/unproven-threads)

pkg="\$LOCALBASE/threads"

lib1="-L\$pkg/lib -Wl,-R\$pkg/lib"

lib2="-lthread

-lm -lgcc -lthread"

LIBS="\$lib1 \$lib2 \$LIBS"

CPPFLAGS="\$CPPFLAGS -I\$pkg/include"

STD_CINCLUDES="\$STD_CINCLUDES -I\$pkg/include"

fi

fi

::

*)

AC_CHECK_LIB(pthread, pthread_create,,

AC_CHECK_LIB(pthread, __pthread_create,,

AC_CHECK_LIB(pthread, __pthread_create_system,,

AC_CHECK_LIB(c_r, pthread_create,,

AC_CHECK_LIB(c, pthread_create,,

use_threads=false))))

::

esac

fi

if \$use_threads

then

#

```

# We'd like to use sigwait() too
#
AC_CHECK_LIB(c, sigwait,
    AC_DEFINE(HAVE_SIGWAIT),
    AC_CHECK_LIB(pthread, sigwait,
    AC_DEFINE(HAVE_SIGWAIT),
    AC_CHECK_LIB(pthread, _Psigwait,
    AC_DEFINE(HAVE_SIGWAIT),))
)

AC_CHECK_FUNC(pthread_attr_getstacksize,
    AC_DEFINE(HAVE_PTHREAD_ATTR_GETSTACKSIZE),)

#
# Additional OS-specific issues related to pthreads and sigwait.
#
case "$host" in
#
# One more place to look for sigwait.
#
*-freebsd*)
    AC_CHECK_LIB(c_r, sigwait, AC_DEFINE(HAVE_SIGWAIT),)
    ;;
#
#
BSDI 3.0 through 4.0.1 needs pthread_init() to be
# called before certain pthreads calls. This is deprecated
# in BSD/OS 4.1.
#
*-bsd3.*|*-bsd4.0*)
    AC_DEFINE(NEED_PTHREAD_INIT)
    ;;
#
# LinuxThreads requires some changes to the way we
# deal with signals.
#
*-linux*)
    AC_DEFINE(HAVE_LINUXTHREADS)
    ;;
#
# Ensure the right sigwait() semantics on Solaris and make
# sure we call pthread_setconcurrency.
#
*-solaris*)
    AC_DEFINE(_POSIX_PTHREAD_SEMANTICS)
    AC_CHECK_FUNC(pthread_setconcurrency,
        AC_DEFINE(CALL_PTHREAD_SETCONCURRENCY))
    AC_DEFINE(POSIX_GETPWUID_R)

```

```

AC_DEFINE(POSIX_GETPWNAM_R)
AC_DEFINE(POSIX_GETGRGID_R)
AC_DEFINE(POSIX_GETGRNAM_R)
;;
*hpux11*)
AC_DEFINE(_PTHREADS_DRAFT4)
;;
#
# UnixWare does things its own way.
#
*-UnixWare*)
AC_DEFINE(HAVE_UNIXWARE_SIGWAIT)
;;
esac

#
# Look for sysconf to allow detection of the number of processors.
#
AC_CHECK_FUNC(sysconf,
AC_DEFINE(HAVE_SYSCONF),)

if test "X$GCC" = "Xyes"; then
case "$host" in
*-freebsd*)
CC="$CC -pthread"
CCOPT="$CCOPT -pthread"
STD_CDEFINES="$STD_CDEFINES -D_THREAD_SAFE"
;;
*-openbsd*)
CC="$CC -pthread"
CCOPT="$CCOPT -pthread"
;;
*-solaris*)
LIBS="$LIBS -lthread"
;;
*-ibm-aix*)
STD_CDEFINES="$STD_CDEFINES -D_THREAD_SAFE"
;;
esac
else
case $host in
*-dec-osf*)
CC="$CC -pthread"
CCOPT="$CCOPT -pthread"
;;
*-solaris*)
CC="$CC -mt"
CCOPT="$CCOPT -mt"

```

```

;;
*-ibm-aix*)
STD_CDEFINES="$STD_CDEFINES -D_THREAD_SAFE"
;;
*-UnixWare*)
CC="$CC -Kthread"
CCOPT="$CCOPT -Kthread"
;;
esac
fi
ALWAYS_DEFINES="-D_REENTRANT"
DO_PTHREADS="#define DO_PTHREADS 1"
WANT_IRS_THREADSGR_OBJS="\${WANT_IRS_THREADSGR_OBJS}"
WANT_IRS_THREADSPW_OBJS="\${WANT_IRS_THREADSPW_OBJS}"
WANT_IRS_THREADS_OBJS="\${WANT_IRS_THREADS_OBJS}"
thread_dir=threads
else
ALWAYS_DEFINES=""
DO_PTHREADS="#undef DO_PTHREADS"
WANT_IRS_THREADSGR_OBJS=""
WANT_IRS_THREADSPW_OBJS=""
WANT_IRS_THREADS_OBJS=""
thread_dir=nothreads
fi

AC_CHECK_FUNC(strlcat,
AC_DEFINE(HAVE_STRLCAT))

AC_SUBST(ALWAYS_DEFINES)
AC_SUBST(DO_PTHREADS)
AC_SUBST(WANT_IRS_THREADSGR_OBJS)
AC_SUBST(WANT_IRS_THREADSPW_OBJS)
AC_SUBST(WANT_IRS_THREADS_OBJS)

AC_CHECK_FUNC(if_nametoindex,
[USE_IFNAMESLINKID="#define USE_IFNAMESLINKID 1"],
[USE_IFNAMESLINKID="#undef USE_IFNAMESLINKID"])
AC_SUBST(USE_IFNAMESLINKID)

ISC_THREAD_DIR=$thread_dir
AC_SUBST(ISC_THREAD_DIR)

AC_CHECK_FUNC(daemon,
[DAEMON_OBJS="" NEED_DAEMON="#undef NEED_DAEMON"])
,
[DAEMON_OBJS="\${DAEMON_OBJS}" NEED_DAEMON="#define NEED_DAEMON 1"]
)
AC_SUBST(DAEMON_OBJS)

```

```
AC_SUBST(NEED_DAEMON)
```

```
AC_CHECK_FUNC(strsep,  
[STRSEP_OBJS="" NEED_STRSEP="#undef NEED_STRSEP"]  
,  
[STRSEP_OBJS="\${STRSEP_OBJS}" NEED_STRSEP="#define NEED_STRSEP 1"]  
)  
AC_SUBST(STRSEP_OBJS)  
AC_SUBST(NEED_STRSEP)
```

```
AC_CHECK_FUNC(strerror, [NEED_STRERROR="#undef NEED_STRERROR"],  
[NEED_STRERROR="#define NEED_STRERROR 1"])  
AC_SUBST(NEED_STRERROR)
```

```
#  
#  
# flockfile is usually provided by pthreads, but we may want to use it  
# even if compiled with --disable-threads.  
#  
AC_CHECK_FUNC(flockfile, AC_DEFINE(HAVE_FLOCKFILE),)
```

```
#  
# Indicate what the final decision was regarding threads.  
#  
AC_MSG_CHECKING(whether to build with threads)  
if $use_threads; then  
  AC_MSG_RESULT(yes)  
else  
  AC_MSG_RESULT(no)  
fi
```

```
#  
# End of pthreads stuff.  
#
```

```
#  
# Additional compiler settings.  
#  
MKDEPCC="$CC"  
MKDEPCFLAGS="-M"  
IRIX_DNSSEC_WARNINGS_HACK=""
```

```
if test "X$GCC" = "Xyes"; then  
  STD_CWARNINGS="$STD_CWARNINGS -W -Wall -Wmissing-prototypes -Wcast-qual -Wwrite-strings"  
else  
  case $host in  
    *-dec-osf*)  
      CC="$CC -std"
```

```

CCOPT="$CCOPT -std"
MKDEPCC="$CC"
;;
*_hp-hpux*)
CC="$CC -Ae -z"
# The version of the C compiler that constantly warns about
# 'const' as well as alignment issues is unfortunately not
# able to be discerned via the version of the operating
# system, nor does cc have a version flag.
case
"$CC +W 123 2>&1`" in
*Unknown?option*)
STD_CWARNINGS="+w1"
;;
*)
# Turn off the pointlessly noisy warnings.
STD_CWARNINGS="+w1 +W 474,530"
;;
esac
CCOPT="$CCOPT -Ae -z"
LIBS="-Wl,+vnocompatwarnings $LIBS"
MKDEPPROG='cc -Ae -E -Wp,-M >/dev/null 2>&1 | awk """"BEGIN { colon=0; rec="";} { for (i = 0 ; i < NF; i++)
{ if (colon && a[$i]) continue; if ($i == "\\") continue; if (!colon) { rec = $i continue; } if ($i == ":") { rec = rec " :"}
colon = 1 continue; } if (length(rec $i) > 76) { print rec " \\"; rec = "\t" $i; a[$i] = 1; } else { rec = rec " " $i a[$i] = 1;
} } } END {print rec}"""" >>$TMP'
MKDEPPROG='cc -Ae -E -Wp,-M >/dev/null 2>>$TMP'
;;
*_sgi-irix*)
STD_CWARNINGS="-fullwarn -woff 1209"
#
# Silence more than 250 instances of
# "prototyped function redeclared without prototype"
# and 11 instances of
# "variable ... was set but never used"
# from lib/dns/sec/openssl.
#
IRIX_DNSSEC_WARNINGS_HACK="-woff 1692,1552"
;;
*_solaris*)
MKDEPCFLAGS="-xM"
;;
*_UnixWare*)
CC="$CC
-w"
;;
esac
fi

```



```

#
# _GNU_SOURCE is needed to access the fd_bits field of struct fd_set, which
# is supposed to be opaque.
#
case $host in
*linux*)
    STD_CDEFINES="$STD_CDEFINES -D_GNU_SOURCE"
    ;;
esac

AC_SUBST(MKDEPCC)
AC_SUBST(MKDEPCFLAGS)
AC_SUBST(MKDEPPROG)
AC_SUBST(IRIX_DNSSEC_WARNINGS_HACK)

#
# NLS
#
AC_CHECK_FUNC(catgets, AC_DEFINE(HAVE_CATGETS),)

#
# -lxnet buys us one big porting headache... standards, gotta love 'em.
#
# AC_CHECK_LIB(xnet, socket, ,
# AC_CHECK_LIB(socket, socket)
# AC_CHECK_LIB(nsl, inet_ntoa)
# )
#
# Use this for now, instead:
#
case "$host" in
mips-sgi-irix*)
    ;;
*)
    AC_CHECK_LIB(d4r, gethostbyname_r)
    AC_CHECK_LIB(socket, socket)
    AC_CHECK_LIB(nsl, inet_ntoa)
    ;;
esac

#
# Purify support
#
AC_MSG_CHECKING(whether to use purify)
AC_ARG_WITH(purify,
[ --with-purify[=PATH] use Rational purify],
use_purify="$withval", use_purify="no")

```

```

case "$use_purify" in
no)
;;
yes)
AC_PATH_PROG(purify_path,
purify, purify)
;;
*)
purify_path="$use_purify"
;;
esac

```

```

case "$use_purify" in
no)
AC_MSG_RESULT(no)
PURIFY=""
;;
*)
if test -f $purify_path || test $purify_path = purify; then
AC_MSG_RESULT($purify_path)
PURIFYFLAGS=""echo $PURIFYOPTIONS`"
PURIFY="$purify_path $PURIFYFLAGS"
else
AC_MSG_ERROR([$purify_path not found.

```

Please choose the proper path with the following command:

```

configure --with-purify=PATH
)
fi
;;
esac

```

```

AC_SUBST(PURIFY)

```

```

#
# GNU libtool support
#
AC_ARG_WITH(libtool,
[ --with-libtool use GNU libtool (following indented options supported)],
use_libtool="$withval", use_libtool="no")

```

```

case $use_libtool in
yes)
AM_PROG_LIBTOOL
O=lo
A=la
LIBTOOL_MKDEP_SED='s;\.o;\.lo;'

```

```

LIBTOOL_MODE_COMPILE='--mode=compile'
LIBTOOL_MODE_INSTALL='--mode=install'
LIBTOOL_MODE_LINK='--mode=link'
;;
*)
O=o
A=a
LIBTOOL=
AC_SUBST(LIBTOOL)
LIBTOOL_MKDEP_SED=
LIBTOOL_MODE_COMPILE=
LIBTOOL_MODE_INSTALL=
LIBTOOL_MODE_LINK=
;;
esac

#
#
# File name extension for static archive files, for those few places
# where they are treated differently from dynamic ones.
#
SA=a

AC_SUBST(O)
AC_SUBST(A)
AC_SUBST(SA)
AC_SUBST(LIBTOOL_MKDEP_SED)
AC_SUBST(LIBTOOL_MODE_COMPILE)
AC_SUBST(LIBTOOL_MODE_INSTALL)
AC_SUBST(LIBTOOL_MODE_LINK)

#
# Here begins a very long section to determine the system's networking
# capabilities. The order of the tests is significant.
#

#
# IPv6
#
AC_ARG_ENABLE(ipv6,
[ --enable-ipv6 use IPv6 [default=autodetect]])

case "$enable_ipv6" in
yes|"autodetect")
AC_DEFINE(WANT_IPV6)
;;
no)
;;

```

```

esac

#
# We do the IPv6 compilation checking after libtool so that we can put
# the right suffix on the files.
#
AC_MSG_CHECKING(for IPv6 structures)
AC_TRY_COMPILE([
#include <sys/types.h>
#include <sys/socket.h>
#include <netinet/in.h>],
[struct sockaddr_in6 sin6; return (0);],
[AC_MSG_RESULT(yes)
found_ipv6=yes],
[AC_MSG_RESULT(no)
found_ipv6=no])

#
# See whether
# IPv6 support is provided via a Kame add-on.
# This is done before other IPv6 linking tests to LIBS is properly set.
#
AC_MSG_CHECKING(for Kame IPv6 support)
AC_ARG_WITH(kame,
[ --with-kame[=PATH] use Kame IPv6 [default path /usr/local/v6]],
use_kame="$withval", use_kame="no")

case "$use_kame" in
no)
;;
yes)
kame_path=/usr/local/v6
;;
*)
kame_path="$use_kame"
;;
esac

case "$use_kame" in
no)
AC_MSG_RESULT(no)
;;
*)
if test -f $kame_path/lib/libinet6.a; then
AC_MSG_RESULT($kame_path/lib/libinet6.a)
LIBS="-L$kame_path/lib -linet6 $LIBS"
else
AC_MSG_ERROR([$kame_path/lib/libinet6.a not found.

```

Please choose the proper path with the following command:

```
configure --with-kame=PATH
)
fi
;;
esac

#
# Whether netinet6/in6.h is needed has to be defined in isc/platform.h.
# Including it on Kame-using platforms is very bad, though, because
# Kame uses #error against direct inclusion. So include it on only
# the platform that is otherwise broken without
# it -- BSD/OS 4.0 through 4.1.
# This is done before the in6_pktinfo check because that's what
# netinet6/in6.h is needed for.
#
changequote({, })
case "$host" in
*-bsdi4.[01]*)
ISC_PLATFORM_NEEDNETINET6IN6H="#define ISC_PLATFORM_NEEDNETINET6IN6H 1"
isc_netinet6in6_hack="#include <netinet6/in6.h>"
;;
*)
ISC_PLATFORM_NEEDNETINET6IN6H="#undef ISC_PLATFORM_NEEDNETINET6IN6H"
isc_netinet6in6_hack=""
;;
esac
changequote([, ])

#
# This is similar to the netinet6/in6.h issue.
#
case "$host" in
*-UnixWare*)
ISC_PLATFORM_NEEDNETINETIN6H="#define ISC_PLATFORM_NEEDNETINETIN6H 1"
ISC_PLATFORM_FIXIN6ISADDR="#define ISC_PLATFORM_FIXIN6ISADDR 1"
isc_netinetin6_hack="#include <netinet/in6.h>"
;;
*)
ISC_PLATFORM_NEEDNETINETIN6H="#undef ISC_PLATFORM_NEEDNETINETIN6H"
ISC_PLATFORM_FIXIN6ISADDR="#undef ISC_PLATFORM_FIXIN6ISADDR"
isc_netinetin6_hack=""
;;
esac

#
```

```

# Now delve deeper into the suitability of the IPv6 support.
#
case "$found_ipv6" in
yes)
HAS_INET6_STRUCTS="#define
HAS_INET6_STRUCTS 1"

AC_MSG_CHECKING(for in6_addr)
AC_TRY_COMPILE([
#include <sys/types.h>
#include <sys/socket.h>
#include <netinet/in.h>
$isc_netinetin6_hack
$isc_netinet6in6_hack
],
[struct in6_addr in6; return (0);],
[AC_MSG_RESULT(yes)
HAS_IN_ADDR6="#undef HAS_IN_ADDR6"
isc_in_addr6_hack=""],
[AC_MSG_RESULT(no)
HAS_IN_ADDR6="#define HAS_IN_ADDR6 1"
isc_in_addr6_hack="#define in6_addr in_addr6"])

AC_MSG_CHECKING(for in6addr_any)
AC_TRY_LINK([
#include <sys/types.h>
#include <sys/socket.h>
#include <netinet/in.h>
$isc_netinetin6_hack
$isc_netinet6in6_hack
$isc_in_addr6_hack
],
[struct in6_addr in6; in6 = in6addr_any; return (0);],
[AC_MSG_RESULT(yes)
NEED_IN6ADDR_ANY="#undef NEED_IN6ADDR_ANY"],
[AC_MSG_RESULT(no)
NEED_IN6ADDR_ANY="#define NEED_IN6ADDR_ANY 1"])

AC_MSG_CHECKING(for sin6_scope_id in struct sockaddr_in6)
AC_TRY_COMPILE([
#include <sys/types.h>
#include <sys/socket.h>
#include <netinet/in.h>
$isc_netinetin6_hack
$isc_netinet6in6_hack
],
[struct

```

```

sockaddr_in6 xyzy; xyzy.sin6_scope_id = 0; return (0);],
[AC_MSG_RESULT(yes)
result="#define HAVE_SIN6_SCOPE_ID 1"],
[AC_MSG_RESULT(no)
result="#undef HAVE_SIN6_SCOPE_ID")
HAVE_SIN6_SCOPE_ID="$result"

AC_MSG_CHECKING(for in6_pktinfo)
AC_TRY_COMPILE([
#include <sys/types.h>
#include <sys/socket.h>
#include <netinet/in.h>
$isc_netinet6_hack
$isc_netinet6in6_hack
],
[struct in6_pktinfo xyzy; return (0);],
[AC_MSG_RESULT(yes)
ISC_PLATFORM_HAVEIN6PKTINFO="#define ISC_PLATFORM_HAVEIN6PKTINFO 1"],
[AC_MSG_RESULT(no -- disabling runtime ipv6 support)
ISC_PLATFORM_HAVEIN6PKTINFO="#undef ISC_PLATFORM_HAVEIN6PKTINFO"])

AC_MSG_CHECKING(for sockaddr_storage)
AC_TRY_COMPILE([
#include <sys/types.h>
#include <sys/socket.h>
#include <netinet/in.h>
$isc_netinet6_hack
$isc_netinet6in6_hack
],
[struct sockaddr_storage xyzy; return (0);],
[AC_MSG_RESULT(yes)
HAVE_SOCKADDR_STORAGE="#define HAVE_SOCKADDR_STORAGE 1"],
[AC_MSG_RESULT(no)
HAVE_SOCKADDR_STORAGE="#undef HAVE_SOCKADDR_STORAGE"])
;;
no)
HAS_INET6_STRUCTS="#undef HAS_INET6_STRUCTS"
NEED_INET6ADDR_ANY="#undef NEED_INET6ADDR_ANY"
ISC_PLATFORM_HAVEIN6PKTINFO="#undef ISC_PLATFORM_HAVEIN6PKTINFO"
HAVE_SIN6_SCOPE_ID="#define HAVE_SIN6_SCOPE_ID 1"
HAVE_SOCKADDR_STORAGE="#undef HAVE_SOCKADDR_STORAGE"
ISC_IPV6_H="ipv6.h"
ISC_IPV6_O="ipv6.$O"
ISC_ISCIPV6_O="unix/ipv6.$O"
ISC_IPV6_C="ipv6.c"
;;
esac

```

```

AC_SUBST(HAS_INET6_STRUCTS)
AC_SUBST(ISC_PLATFORM_NEEDNETINETIN6H)
AC_SUBST(ISC_PLATFORM_NEEDNETINET6IN6H)
AC_SUBST(HAS_IN_ADDR6)
AC_SUBST(NEED_IN6ADDR_ANY)
AC_SUBST(ISC_PLATFORM_HAVEIN6PKTINFO)
AC_SUBST(ISC_PLATFORM_FIXIN6ISADDR)
AC_SUBST(ISC_IPV6_H)
AC_SUBST(ISC_IPV6_O)
AC_SUBST(ISC_ISCIPV6_O)
AC_SUBST(ISC_IPV6_C)
AC_SUBST(HAVE_SIN6_SCOPE_ID)
AC_SUBST(HAVE_SOCKADDR_STORAGE)

#
# Check for network functions that are often missing. We do this
# after the libtool checking, so we can put the right suffix on
# the files. It also needs
# to come after checking for a Kame add-on,
# which provides some (all?) of the desired functions.
#
AC_MSG_CHECKING([for inet_ntop])
AC_TRY_LINK([
#include <sys/types.h>
#include <netinet/in.h>
#include <arpa/inet.h>],
[inet_ntop(0, 0, 0, 0); return (0);],
[AC_MSG_RESULT(yes)
ISC_PLATFORM_NEEDNTOP="#undef ISC_PLATFORM_NEEDNTOP"],

[AC_MSG_RESULT(no)
ISC_EXTRA_OBJS="$ISC_EXTRA_OBJS inet_ntop.$O"
ISC_EXTRA_SRCS="$ISC_EXTRA_SRCS inet_ntop.c"
ISC_PLATFORM_NEEDNTOP="#define ISC_PLATFORM_NEEDNTOP 1"])
AC_MSG_CHECKING([for inet_pton])
AC_TRY_LINK([
#include <sys/types.h>
#include <netinet/in.h>
#include <arpa/inet.h>],
[inet_pton(0, 0, 0); return (0);],
[AC_MSG_RESULT(yes)
ISC_PLATFORM_NEEDPTON="#undef ISC_PLATFORM_NEEDPTON"],

[AC_MSG_RESULT(no)
ISC_EXTRA_OBJS="$ISC_EXTRA_OBJS inet_pton.$O"
ISC_EXTRA_SRCS="$ISC_EXTRA_SRCS inet_pton.c"
ISC_PLATFORM_NEEDPTON="#define ISC_PLATFORM_NEEDPTON

```



```

1""])
AC_MSG_CHECKING([for inet_aton])
AC_TRY_LINK([
#include <sys/types.h>
#include <netinet/in.h>
#include <arpa/inet.h>],
    [struct in_addr in; inet_aton(0, &in); return (0);],
    [AC_MSG_RESULT(yes)
    ISC_PLATFORM_NEEDATON="#undef ISC_PLATFORM_NEEDATON"],

    [AC_MSG_RESULT(no)
    ISC_EXTRA_OBJS="$ISC_EXTRA_OBJS inet_aton.$O"
    ISC_EXTRA_SRCS="$ISC_EXTRA_SRCS inet_aton.c"
    ISC_PLATFORM_NEEDATON="#define ISC_PLATFORM_NEEDATON 1"])

```

```

AC_SUBST(ISC_PLATFORM_NEEDNTOP)
AC_SUBST(ISC_PLATFORM_NEEDPTON)
AC_SUBST(ISC_PLATFORM_NEEDATON)

```

```

#
# Look for a 4.4BSD-style sa_len member in struct sockaddr.
#
case "$host" in
*-dec-osf*)
    # Turn on 4.4BSD style sa_len support.
    AC_DEFINE(_SOCKADDR_LEN)
    ;;
esac

```

```

AC_MSG_CHECKING(for sa_len in struct sockaddr)
AC_TRY_COMPILE([
#include <sys/types.h>
#include <sys/socket.h>],
    [struct sockaddr sa; sa.sa_len = 0; return (0);],
    [AC_MSG_RESULT(yes)
    HAVE_SA_LEN="#define HAVE_SA_LEN 1"],
    [AC_MSG_RESULT(no)
    HAVE_SA_LEN="#undef
    HAVE_SA_LEN"])
AC_SUBST(HAVE_SA_LEN)

```

```

# HAVE_MINIMUM_IFREQ

```

```

case "$host" in
*-bsdi[2345]*) have_minimum_ifreq=yes;;
*-darwin*) have_minimum_ifreq=yes;;
*-freebsd*) have_minimum_ifreq=yes;;
*-lynxos*) have_minimum_ifreq=yes;;

```

```

*-netbsd*) have_minimum_ifreq=yes;;
*-next*) have_minimum_ifreq=yes;;
*-openbsd*) have_minimum_ifreq=yes;;
*-rhapsody*) have_minimum_ifreq=yes;;
esac

case "$have_minimum_ifreq" in
yes)
HAVE_MINIMUM_IFREQ="#define HAVE_MINIMUM_IFREQ 1";;
no)
HAVE_MINIMUM_IFREQ="#undef HAVE_MINIMUM_IFREQ";;
*)
HAVE_MINIMUM_IFREQ="#undef HAVE_MINIMUM_IFREQ";;
esac
AC_SUBST(HAVE_MINIMUM_IFREQ)

# PORT_DIR
PORT_DIR=port/unknown
SOLARIS_BITTYPES="#undef NEED_SOLARIS_BITTYPES"
BSD_COMP="#undef BSD_COMP"
USE_FIONBIO_IOCTL="#undef USE_FIONBIO_IOCTL"
case "$host" in
*aix3.2*) PORT_DIR="port/aix32";;
*aix4*) PORT_DIR="port/aix4";;
*aux3*) PORT_DIR="port/aux3";;
*-bsdi2*) PORT_DIR="port/bsdos2";;
*-bsdi*) PORT_DIR="port/bsdos";;
*-cygwin*) PORT_DIR="port/cygwin";;
*-darwin*) PORT_DIR="port/darwin";;
*-osf*) PORT_DIR="port/decunix";;
*-freebsd*) PORT_DIR="port/freebsd";;
*-hpux9*) PORT_DIR="port/hpux9";;
*-hpux10*) PORT_DIR="port/hpux10";;
*-hpux11*) PORT_DIR="port/hpux";;
*-irix*) PORT_DIR="port/irix";;
*-linux*) PORT_DIR="port/linux";;
*-lynxos*) PORT_DIR="port/lynxos";;
*-mpe*) PORT_DIR="port/mpe";;
*-netbsd*) PORT_DIR="port/netbsd";;
*-next*) PORT_DIR="port/next";;
*-openbsd*) PORT_DIR="port/openbsd";;
*-qnx*) PORT_DIR="port/qnx";;
*-rhapsody*) PORT_DIR="port/rhapsody";;
*-solaris2.[[01234]]*)
BSD_COMP="#define
BSD_COMP 1"
SOLARIS_BITTYPES="#define NEED_SOLARIS_BITTYPES 1"
USE_FIONBIO_IOCTL="#define USE_FIONBIO_IOCTL 1"

```

```

PORT_DIR="port/solaris";;
*-solaris2.5*)
  BSD_COMP="#define BSD_COMP 1"
  SOLARIS_BITTYPES="#define NEED_SOLARIS_BITTYPES 1"
  PORT_DIR="port/solaris";;
*-solaris2*) BSD_COMP="#define BSD_COMP 1"
  PORT_DIR="port/solaris";;
*-ultrix*) PORT_DIR="port/ultrix";;
*-sco-sysv*uw2.0*) PORT_DIR="port/unixware20";;
*-sco-sysv*uw2.1.2*) PORT_DIR="port/unixware212";;
*-sco-sysv*uw7*) PORT_DIR="port/unixware7";;
esac
AC_SUBST(BSD_COMP)
AC_SUBST(SOLARIS_BITTYPES)
AC_SUBST(USE_FIONBIO_IOCTL)
AC_SUBST(PORT_DIR)
PORT_INCLUDE=${PORT_DIR}/include
AC_SUBST(PORT_INCLUDE)

#
#
# Look for a 4.4BSD or 4.3BSD struct msghdr
#
AC_MSG_CHECKING(for struct msghdr flavor)
AC_TRY_COMPILE([
#include <sys/types.h>
#include <sys/socket.h>],
[struct msghdr msg; msg.msg_flags = 0; return (0);],
[AC_MSG_RESULT(4.4BSD)
ISC_PLATFORM_MSGHDRFLAVOR="#define ISC_NET_BSD44MSGHDR 1"],
[AC_MSG_RESULT(4.3BSD)
ISC_PLATFORM_MSGHDRFLAVOR="#define ISC_NET_BSD43MSGHDR 1"])
AC_SUBST(ISC_PLATFORM_MSGHDRFLAVOR)

#
# Look for in_port_t.
#
AC_MSG_CHECKING(for type in_port_t)
AC_TRY_COMPILE([
#include <sys/types.h>
#include <netinet/in.h>],
[in_port_t port = 25; return (0);],
[AC_MSG_RESULT(yes)
ISC_PLATFORM_NEEDPORTT="#undef ISC_PLATFORM_NEEDPORTT"],
[AC_MSG_RESULT(no)
ISC_PLATFORM_NEEDPORTT="#define

```

```

ISC_PLATFORM_NEEDPORTT 1")
AC_SUBST(ISC_PLATFORM_NEEDPORTT)

#
# Check for addrinfo
#
AC_MSG_CHECKING(for struct addrinfo)
AC_TRY_COMPILE([
#include <netdb.h>],
[struct addrinfo a; return (0);],
[AC_MSG_RESULT(yes)
AC_DEFINE(HAVE_ADDRINFO)],
[AC_MSG_RESULT(no)])

AC_MSG_CHECKING(for int sethostent)
AC_TRY_COMPILE([
#include <netdb.h>],
[int i = sethostent(0); return(0);],
[AC_MSG_RESULT(yes)],
[AC_MSG_RESULT(no)])

AC_MSG_CHECKING(for int endhostent)
AC_TRY_COMPILE([
#include <netdb.h>],
[int i = endhostent(); return(0);],
[AC_MSG_RESULT(yes)
ISC_LWRES_ENDHOSTENTINT="#define ISC_LWRES_ENDHOSTENTINT 1"],
[AC_MSG_RESULT(no)
ISC_LWRES_ENDHOSTENTINT="#undef ISC_LWRES_ENDHOSTENTINT"])
AC_SUBST(ISC_LWRES_ENDHOSTENTINT)

AC_MSG_CHECKING(for int setnetent)
AC_TRY_COMPILE([
#include <netdb.h>],
[int i = setnetent(0); return(0);],
[AC_MSG_RESULT(yes)
ISC_LWRES_SETNETENTINT="#define ISC_LWRES_SETNETENTINT 1"],
[AC_MSG_RESULT(no)
ISC_LWRES_SETNETENTINT="#undef ISC_LWRES_SETNETENTINT"])
AC_SUBST(ISC_LWRES_SETNETENTINT)

AC_MSG_CHECKING(for
int endnetent)
AC_TRY_COMPILE([
#include <netdb.h>],
[int i = endnetent(); return(0);],
[AC_MSG_RESULT(yes)
ISC_LWRES_ENDNETENTINT="#define ISC_LWRES_ENDNETENTINT 1"],

```

```

[AC_MSG_RESULT(no)
ISC_LWRES_ENDNETENTINT="#undef ISC_LWRES_ENDNETENTINT"]
AC_SUBST(ISC_LWRES_ENDNETENTINT)

AC_MSG_CHECKING(for gethostbyaddr(const void *, size_t, ...))
AC_TRY_COMPILE([
#include <netdb.h>
struct hostent *gethostbyaddr(const void *, size_t, int);],
[return(0);],
[AC_MSG_RESULT(yes)
ISC_LWRES_GETHOSTBYADDRVOID="#define ISC_LWRES_GETHOSTBYADDRVOID 1"],
[AC_MSG_RESULT(no)
ISC_LWRES_GETHOSTBYADDRVOID="#undef ISC_LWRES_GETHOSTBYADDRVOID"])
AC_SUBST(ISC_LWRES_GETHOSTBYADDRVOID)

AC_MSG_CHECKING(for h_errno in netdb.h)
AC_TRY_COMPILE([
#include <netdb.h>],
[h_errno = 1; return(0);],
[AC_MSG_RESULT(yes)
ISC_LWRES_NEEDHERRNO="#undef ISC_LWRES_NEEDHERRNO"],
[AC_MSG_RESULT(no)
ISC_LWRES_NEEDHERRNO="#define ISC_LWRES_NEEDHERRNO 1"])
AC_SUBST(ISC_LWRES_NEEDHERRNO)

AC_CHECK_FUNC(getipnodebyname,
[ISC_LWRES_GETIPNODEPROTO="#undef ISC_LWRES_GETIPNODEPROTO"],
[ISC_LWRES_GETIPNODEPROTO="#define ISC_LWRES_GETIPNODEPROTO 1"])
AC_CHECK_FUNC(getnameinfo,
[ISC_LWRES_GETNAMEINFOPROTO="#undef ISC_LWRES_GETNAMEINFOPROTO"],
[ISC_LWRES_GETNAMEINFOPROTO="#define ISC_LWRES_GETNAMEINFOPROTO 1"])
AC_CHECK_FUNC(getaddrinfo,
[ISC_LWRES_GETADDRINFOPROTO="#undef ISC_LWRES_GETADDRINFOPROTO"]
AC_DEFINE(HAVE_GETADDRINFO)],
[ISC_LWRES_GETADDRINFOPROTO="#define ISC_LWRES_GETADDRINFOPROTO 1"])
AC_CHECK_FUNC(gai_strerror, AC_DEFINE(HAVE_GAISTRERROR))
AC_SUBST(ISC_LWRES_GETIPNODEPROTO)
AC_SUBST(ISC_LWRES_GETADDRINFOPROTO)
AC_SUBST(ISC_LWRES_GETNAMEINFOPROTO)
AC_CHECK_FUNC(pselect,
[NEED_PSELECT="#undef NEED_PSELECT"],
[NEED_PSELECT="#define NEED_PSELECT"])
AC_SUBST(NEED_PSELECT)
AC_CHECK_FUNC(gettimeofday,
[NEED_GETTIMEOFDAY="#undef NEED_GETTIMEOFDAY"],
[NEED_GETTIMEOFDAY="#define
NEED_GETTIMEOFDAY 1"])
AC_SUBST(NEED_GETTIMEOFDAY)

```

```

AC_CHECK_FUNC(strndup,
    [HAVE_STRNDUP="#define HAVE_STRNDUP 1"],
    [HAVE_STRNDUP="#undef HAVE_STRNDUP"])
AC_SUBST(HAVE_STRNDUP)

#
# Look for a sysctl call to get the list of network interfaces.
#
AC_MSG_CHECKING(for interface list sysctl)
AC_EGREP_CPP(found_rt_iflist, [
#include <sys/param.h>
#include <sys/sysctl.h>
#include <sys/socket.h>
#ifdef NET_RT_IFLIST
found_rt_iflist
#endif
],
    [AC_MSG_RESULT(yes)
    AC_DEFINE(HAVE_IFLIST_SYSCTL)],
    [AC_MSG_RESULT(no)])

#
# Check for some other useful functions that are not ever-present.
#
AC_CHECK_FUNC(strsep,
    [ISC_PLATFORM_NEEDSTRSEP="#undef ISC_PLATFORM_NEEDSTRSEP"],
    [ISC_PLATFORM_NEEDSTRSEP="#define ISC_PLATFORM_NEEDSTRSEP 1"])
AC_CHECK_FUNC(vsnprintf,
    [ISC_PLATFORM_NEEDVSNPRINTF="#undef ISC_PLATFORM_NEEDVSNPRINTF"],
    [ISC_EXTRA_OBJS="$ISC_EXTRA_OBJS print.$O"
    ISC_EXTRA_SRCS="$ISC_EXTRA_SRCS print.c"
    ISC_PLATFORM_NEEDVSNPRINTF="#define ISC_PLATFORM_NEEDVSNPRINTF 1"])
AC_SUBST(ISC_PLATFORM_NEEDSTRSEP)
AC_SUBST(ISC_PLATFORM_NEEDVSNPRINTF)

AC_SUBST(ISC_EXTRA_OBJS)
AC_SUBST(ISC_EXTRA_SRCS)
AC_CHECK_FUNC(strerror,
    [USE_SYSERROR_LIST="#undef
    USE_SYSERROR_LIST"],
    [USE_SYSERROR_LIST="#define USE_SYSERROR_LIST 1"])
AC_SUBST(USE_SYSERROR_LIST)

#
# Determine the printf format characters to use when printing
# values of type isc_int64_t. We make the assumption that platforms
# where a "long long" is the same size as a "long" (e.g., Alpha/OSF1)
# want "%ld" and everyone else can use "%lld". Win32 uses "%I64d",

```

```

# but that's defined elsewhere since we don't use configure on Win32.
#
AC_MSG_CHECKING(sprintf format modifier for 64-bit integers)
AC_TRY_RUN([main() { exit(!(sizeof(long long int) == sizeof(long int))); }],
[AC_MSG_RESULT(l)
ISC_PLATFORM_QUADFORMAT=#define ISC_PLATFORM_QUADFORMAT "l"],
[AC_MSG_RESULT(ll)
ISC_PLATFORM_QUADFORMAT=#define ISC_PLATFORM_QUADFORMAT "ll"],
[AC_MSG_RESULT(default ll)
ISC_PLATFORM_QUADFORMAT=#define ISC_PLATFORM_QUADFORMAT
"ll""])
AC_SUBST(ISC_PLATFORM_QUADFORMAT)

#
# Security Stuff
#
AC_CHECK_FUNC(chroot, AC_DEFINE(HAVE_CHROOT))

#
# for accept, recvfrom, getpeername etc.
#
AC_MSG_CHECKING(for socket length type)
AC_TRY_COMPILE([
#include <sys/types.h>
#include <sys/socket.h>
int accept(int, struct sockaddr *, socklen_t *);
],[],
[ISC_SOCKLEN_T=#define ISC_SOCKLEN_T socklen_t"
AC_MSG_RESULT(socklen_t)]
,
AC_TRY_COMPILE([
#include <sys/types.h>
#include <sys/socket.h>
int accept(int, struct sockaddr *, unsigned int *);
],[],
[ISC_SOCKLEN_T=#define ISC_SOCKLEN_T unsigned int"
AC_MSG_RESULT(unsigned int)]
,
AC_TRY_COMPILE([
#include <sys/types.h>
#include <sys/socket.h>
int accept(int, struct sockaddr *, unsigned long *);
],[],
[ISC_SOCKLEN_T=#define ISC_SOCKLEN_T unsigned long"
AC_MSG_RESULT(unsigned long)]
,
AC_TRY_COMPILE([
#include <sys/types.h>

```

```

#include <sys/socket.h>
int accept(int, struct sockaddr *, long *);
],[],
[ISC_SOCKLEN_T="#define ISC_SOCKLEN_T long"
AC_MSG_RESULT(long)]
,
ISC_SOCKLEN_T="#define
ISC_SOCKLEN_T int"
AC_MSG_RESULT(int)
)))
AC_SUBST(ISC_SOCKLEN_T)

AC_CHECK_FUNC(getgrouplist,
AC_TRY_COMPILE(
[#include <unistd.h>
int
getgrouplist(const char *name, int basegid, int *groups, int *ngroups) {
}
],
[return (0);],
GETGROUPLIST_ARGS="#define GETGROUPLIST_ARGS const char *name, int basegid, int *groups, int
*ngroups"
,
GETGROUPLIST_ARGS="#define GETGROUPLIST_ARGS const char *name, gid_t basegid, gid_t *groups, int
*ngroups"
),
GETGROUPLIST_ARGS="#define GETGROUPLIST_ARGS const char *name, gid_t basegid, gid_t *groups, int
*ngroups"
AC_DEFINE(NEED_GETGROUPLIST)
)
AC_SUBST(GETGROUPLIST_ARGS)

AC_CHECK_FUNC(setgroupent,,AC_DEFINE(NEED_SETGROUPEMENT))

AC_CHECK_FUNC(getnetbyaddr_r,
AC_TRY_COMPILE(
[
#undef _REENTRANT
#define _REENTRANT
#define _OSF_SOURCE
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
struct netent *
getnetbyaddr_r(long net, int type, struct netent *result, char *buffer,
int buflen) { }
],
[return (0)],

```



```

[
NET_R_ARGS="#define NET_R_ARGS
char *buf, int buflen"
NET_R_BAD="#define NET_R_BAD NULL"
NET_R_COPY="#define NET_R_COPY buf, buflen"
NET_R_COPY_ARGS="#define NET_R_COPY_ARGS NET_R_ARGS"
NET_R_OK="#define NET_R_OK nptr"
NET_R_SETANSWER="#undef NET_R_SETANSWER"
NET_R_RETURN="#define NET_R_RETURN struct netent *"
GETNETBYADDR_ADDR_T="#define GETNETBYADDR_ADDR_T long"
NETENT_DATA="#undef NETENT_DATA"
],
AC_TRY_COMPILE(
[
#undef _REENTRANT
#define _REENTRANT
#define _OSF_SOURCE
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
int getnetbyaddr_r (unsigned long int, int, struct netent *,
char *, size_t, struct netent **, int *);
],
[return (0)],
[
NET_R_ARGS="#define NET_R_ARGS char *buf, size_t buflen, struct netent **answerp, int *h_errnop"
NET_R_BAD="#define NET_R_BAD ERANGE"
NET_R_COPY="#define NET_R_COPY buf, buflen"
NET_R_COPY_ARGS="#define NET_R_COPY_ARGS char *buf, size_t buflen"
NET_R_OK="#define NET_R_OK 0"
NET_R_SETANSWER="#define NET_R_SETANSWER 1"
NET_R_RETURN="#define NET_R_RETURN
int"
GETNETBYADDR_ADDR_T="#define GETNETBYADDR_ADDR_T unsigned long int"
NETENT_DATA="#undef NETENT_DATA"
],
AC_TRY_COMPILE(
[
#undef _REENTRANT
#define _REENTRANT
#define _OSF_SOURCE
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
extern int getnetbyaddr_r(int, int, struct netent *, struct netent_data *);
],
[return (0)],
[

```

```

NET_R_ARGS="#define NET_R_ARGS struct netent_data *ndptr"
NET_R_BAD="#define NET_R_BAD (-1)"
NET_R_COPY="#define NET_R_COPY ndptr"
NET_R_COPY_ARGS="#define NET_R_COPY_ARGS struct netent_data *ndptr"
NET_R_OK="#define NET_R_OK 0"
NET_R_SETANSWER="#undef NET_R_SETANSWER"
NET_R_RETURN="#define NET_R_RETURN int"
GETNETBYADDR_ADDR_T="#define GETNETBYADDR_ADDR_T int"
NETENT_DATA="#define NETENT_DATA 1"
],
AC_TRY_COMPILE(
#undef __USE_MISC
#define __USE_MISC
[#include <netdb.h>
int getnetbyaddr_r (long, int, struct netent *, struct netent_data *);
],
[return (0)],
[
NET_R_ARGS="#define NET_R_ARGS struct netent_data *ndptr"
NET_R_BAD="#define NET_R_BAD (-1)"
NET_R_COPY="#define
NET_R_COPY ndptr"
NET_R_COPY_ARGS="#define NET_R_COPY_ARGS struct netent_data *ndptr"
NET_R_OK="#define NET_R_OK 0"
NET_R_SETANSWER="#undef NET_R_SETANSWER"
NET_R_RETURN="#define NET_R_RETURN int"
GETNETBYADDR_ADDR_T="#define GETNETBYADDR_ADDR_T long"
NETENT_DATA="#define NETENT_DATA 1"
],
)
)
)
)
)
,
NET_R_ARGS="#define NET_R_ARGS char *buf, int buflen"
NET_R_BAD="#define NET_R_BAD NULL"
NET_R_COPY="#define NET_R_COPY buf, buflen"
NET_R_COPY_ARGS="#define NET_R_COPY_ARGS NET_R_ARGS"
NET_R_OK="#define NET_R_OK nptr"
NET_R_SETANSWER="#undef NET_R_SETANSWER"
NET_R_RETURN="#define NET_R_RETURN struct netent *"
GETNETBYADDR_ADDR_T="#define GETNETBYADDR_ADDR_T long"
NETENT_DATA="#undef NETENT_DATA"
)
case "$host" in
*dec-osf*) GETNETBYADDR_ADDR_T="#define GETNETBYADDR_ADDR_T int" ;;
esac
AC_SUBST(NET_R_ARGS)

```

```

AC_SUBST(NET_R_BAD)
AC_SUBST(NET_R_COPY)
AC_SUBST(NET_R_COPY_ARGS)
AC_SUBST(NET_R_OK)
AC_SUBST(NET_R_SETANSWER)
AC_SUBST(NET_R_RETURN)
AC_SUBST(GETNETBYADDR_ADDR_T)
AC_SUBST(NETENT_DATA)

```

```

AC_CHECK_FUNC(setnetent_r,
AC_TRY_COMPILE(
[
#undef
__USE_MISC
#define __USE_MISC
#include <netdb.h>
void setnetent_r(int);
],[return (0);],[
NET_R_ENT_ARGS="#undef NET_R_ENT_ARGS /*empty*/"
NET_R_SET_RESULT="#undef NET_R_SET_RESULT /*empty*/"
NET_R_SET_RETURN="#define NET_R_SET_RETURN void"
],
AC_TRY_COMPILE(
[
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
extern int setnetent_r(int, struct netent_data *);
],[return (0);],[
NET_R_ENT_ARGS="#define NET_R_ENT_ARGS struct netent_data *ndptr"
NET_R_SET_RESULT="#define NET_R_SET_RESULT NET_R_OK"
NET_R_SET_RETURN="#define NET_R_SET_RETURN int"
],
)
)
,
NET_R_ENT_ARGS="#undef NET_R_ENT_ARGS /*empty*/"
NET_R_SET_RESULT="#undef NET_R_SET_RESULT /*empty*/"
NET_R_SET_RETURN="#define NET_R_SET_RETURN void"
)
AC_SUBST(NET_R_ENT_ARGS)
AC_SUBST(NET_R_SET_RESULT)
AC_SUBST(NET_R_SET_RETURN)

```

```

AC_CHECK_FUNC(endnetent_r,
AC_TRY_COMPILE(
[

```

```

#undef _REENTRANT
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include
<netdb.h>
void endnetent_r (void);
],[return (0);],[
NET_R_END_RESULT="#define NET_R_END_RESULT(x) /*empty*/"
NET_R_END_RETURN="#define NET_R_END_RETURN void"
],
AC_TRY_COMPILE(
[
#undef _REENTRANT
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
extern int endnetent_r(struct netent_data *);
],[return (0);],[
NET_R_END_RESULT="#define NET_R_END_RESULT(x) return (x)"
NET_R_END_RETURN="#define NET_R_END_RETURN int"
],
AC_TRY_COMPILE(
[
#undef _REENTRANT
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
extern void endnetent_r(struct netent_data *);
],[return (0);],[
NET_R_END_RESULT="#define NET_R_END_RESULT(x) /*empty*/"
NET_R_END_RETURN="#define NET_R_END_RETURN void"
],
)
)
)
,
NET_R_END_RESULT="#define NET_R_END_RESULT(x) /*empty*/"
NET_R_END_RETURN="#define NET_R_END_RETURN void"
)
AC_SUBST(NET_R_END_RESULT)
AC_SUBST(NET_R_END_RETURN)

AC_CHECK_FUNC(getgrnam_r,,AC_DEFINE(NEED_GETGRNAM_R))
AC_CHECK_FUNC(getgrgid_r,,AC_DEFINE(NEED_GETGRGID_R))

```

```

AC_CHECK_FUNC(getgrent_r,
AC_TRY_COMPILE(
[
#include
<grp.h>
struct group *getgrent_r(struct group *grp, char *buffer,
int buflen) { }
],[return (0);],[
GROUP_R_ARGS="#define GROUP_R_ARGS char *buf, int buflen"
GROUP_R_BAD="#define GROUP_R_BAD NULL"
GROUP_R_OK="#define GROUP_R_OK gptr"
GROUP_R_RETURN="#define GROUP_R_RETURN struct group *"
],
)
,
GROUP_R_ARGS="#define GROUP_R_ARGS char *buf, int buflen"
GROUP_R_BAD="#define GROUP_R_BAD NULL"
GROUP_R_OK="#define GROUP_R_OK gptr"
GROUP_R_RETURN="#define GROUP_R_RETURN struct group *"
AC_DEFINE(NEED_GETGRENT_R)
)
AC_SUBST(GROUP_R_ARGS)
AC_SUBST(GROUP_R_BAD)
AC_SUBST(GROUP_R_OK)
AC_SUBST(GROUP_R_RETURN)

AC_CHECK_FUNC(endgrent_r,
,
GROUP_R_END_RESULT="#define GROUP_R_END_RESULT(x) /*empty*/"
GROUP_R_END_RETURN="#define GROUP_R_END_RETURN void"
GROUP_R_ENT_ARGS="#define GROUP_R_ENT_ARGS void"
AC_DEFINE(NEED_ENDGRENT_R)
)
AC_SUBST(GROUP_R_END_RESULT)
AC_SUBST(GROUP_R_END_RETURN)
AC_SUBST(GROUP_R_ENT_ARGS)

AC_CHECK_FUNC(setgrent_r,
,
GROUP_R_SET_RESULT="#undef
GROUP_R_SET_RESULT /*empty*/"
GROUP_R_SET_RETURN="#define GROUP_R_SET_RETURN void"
AC_DEFINE(NEED_SETGRENT_R)
)
AC_SUBST(GROUP_R_SET_RESULT)
AC_SUBST(GROUP_R_SET_RETURN)

```

```

AC_CHECK_FUNC(gethostbyname_r,
AC_TRY_COMPILE(
[
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
struct hostent *gethostbyname_r
(const char *name, struct hostent *hp, char *buf, int len, int *h_errnop) {}
],
[return (0);],
[
HOST_R_ARGS="#define HOST_R_ARGS char *buf, int buflen, int *h_errnop"
HOST_R_BAD="#define HOST_R_BAD NULL"
HOST_R_COPY="#define HOST_R_COPY buf, buflen"
HOST_R_COPY_ARGS="#define HOST_R_COPY_ARGS char *buf, int buflen"
HOST_R_ERRNO="#define HOST_R_ERRNO *h_errnop = h_errno"
HOST_R_OK="#define HOST_R_OK hptr"
HOST_R_RETURN="#define HOST_R_RETURN struct hostent *"
HOST_R_SETANSWER="#undef HOST_R_SETANSWER"
HOSTENT_DATA="#undef HOSTENT_DATA"
]
,
AC_TRY_COMPILE([
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
int gethostbyname_r(const
char *name,
                struct hostent *result,
                struct hostent_data *hdptr);
],,[
HOST_R_ARGS="#define HOST_R_ARGS struct hostent_data *hdptr"
HOST_R_BAD="#define HOST_R_BAD (-1)"
HOST_R_COPY="#define HOST_R_COPY hdptr"
HOST_R_COPY_ARGS="#define HOST_R_COPY_ARGS HOST_R_ARGS"
HOST_R_ERRNO="#define HOST_R_ERRNO NULL"
HOST_R_OK="#define HOST_R_OK 0"
HOST_R_RETURN="#define HOST_R_RETURN int"
HOST_R_SETANSWER="#undef HOST_R_SETANSWER"
HOSTENT_DATA="#define HOSTENT_DATA 1"
],
AC_TRY_COMPILE([
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
extern int gethostbyname_r (const char *,
                struct hostent *,
                char *, size_t,

```

```

        struct hostent **,
        int *);
], [
HOST_R_ARGS="#define HOST_R_ARGS char *buf, size_t buflen, struct hostent **answerp, int *h_errno"
HOST_R_BAD="#define HOST_R_BAD ERANGE"
HOST_R_COPY="#define
    HOST_R_COPY buf, buflen"
HOST_R_COPY_ARGS="#define HOST_R_COPY_ARGS char *buf, int buflen"
HOST_R_ERRNO="#define HOST_R_ERRNO *h_errno = h_errno"
HOST_R_OK="#define HOST_R_OK 0"
HOST_R_RETURN="#define HOST_R_RETURN int"
HOST_R_SETANSWER="#define HOST_R_SETANSWER 1"
HOSTENT_DATA="#undef HOSTENT_DATA"
],
)))
,
HOST_R_ARGS="#define HOST_R_ARGS char *buf, int buflen, int *h_errno"
HOST_R_BAD="#define HOST_R_BAD NULL"
HOST_R_COPY="#define HOST_R_COPY buf, buflen"
HOST_R_COPY_ARGS="#define HOST_R_COPY_ARGS char *buf, int buflen"
HOST_R_ERRNO="#define HOST_R_ERRNO *h_errno = h_errno"
HOST_R_OK="#define HOST_R_OK hptr"
HOST_R_RETURN="#define HOST_R_RETURN struct hostent *"
HOST_R_SETANSWER="#undef HOST_R_SETANSWER"
HOSTENT_DATA="#undef HOSTENT_DATA"
)
AC_SUBST(HOST_R_ARGS)
AC_SUBST(HOST_R_BAD)
AC_SUBST(HOST_R_COPY)
AC_SUBST(HOST_R_COPY_ARGS)
AC_SUBST(HOST_R_ERRNO)
AC_SUBST(HOST_R_OK)
AC_SUBST(HOST_R_RETURN)
AC_SUBST(HOST_R_SETANSWER)
AC_SUBST(HOSTENT_DATA)

AC_CHECK_FUNC(endhostent_r,
AC_TRY_COMPILE([
#undef
    _REENTRANT
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
int endhostent_r(struct hostent_data *buffer);
], ,
HOST_R_END_RESULT="#define HOST_R_END_RESULT(x) return (x)"
HOST_R_END_RETURN="#define HOST_R_END_RETURN int"

```

```

HOST_R_ENT_ARGS="#define HOST_R_ENT_ARGS struct hostent_data *hdptr"
,
AC_TRY_COMPILE([
#undef _REENTRANT
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
extern void endhostent_r(struct hostent_data *ht_data);
],[
HOST_R_END_RESULT="#define HOST_R_END_RESULT(x)"
HOST_R_END_RETURN="#define HOST_R_END_RETURN void"
HOST_R_ENT_ARGS="#define HOST_R_ENT_ARGS struct hostent_data *hdptr"
],
AC_TRY_COMPILE([
#undef _REENTRANT
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
extern void endhostent_r(void);
],[
HOST_R_END_RESULT="#define HOST_R_END_RESULT(x) /*empty*/"
HOST_R_END_RETURN="#define HOST_R_END_RETURN void"
HOST_R_ENT_ARGS="#undef HOST_R_ENT_ARGS /*empty*/"
],
)
)
)
,
HOST_R_END_RESULT="#define
HOST_R_END_RESULT(x) /*empty*/"
HOST_R_END_RETURN="#define HOST_R_END_RETURN void"
HOST_R_ENT_ARGS="#undef HOST_R_ENT_ARGS /*empty*/"
)
AC_SUBST(HOST_R_END_RESULT)
AC_SUBST(HOST_R_END_RETURN)
AC_SUBST(HOST_R_ENT_ARGS)

AC_CHECK_FUNC(sethostent_r,
AC_TRY_COMPILE([
#undef _REENTRANT
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
extern void sethostent_r(int flag, struct hostent_data *ht_data);],[
[HOST_R_SET_RESULT="#undef HOST_R_SET_RESULT /*empty*/"

```



```

HOST_R_SET_RETURN="#define HOST_R_SET_RETURN void"],
AC_TRY_COMPILE([
#undef _REENTRANT
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
extern int sethostent_r(int flag, struct hostent_data *ht_data);,[],
[HOST_R_SET_RESULT="#define HOST_R_SET_RESULT 0"
HOST_R_SET_RETURN="#define HOST_R_SET_RETURN int"],
AC_TRY_COMPILE([
#undef _REENTRANT
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
void      sethostent_r (int);,[],
[HOST_R_SET_RESULT="#undef
HOST_R_SET_RESULT"
HOST_R_SET_RETURN="#define HOST_R_SET_RETURN void"],
)
)
)
,
HOST_R_SET_RESULT="#undef HOST_R_SET_RESULT"
HOST_R_SET_RETURN="#define HOST_R_SET_RETURN void"
)
AC_SUBST(HOST_R_SET_RESULT)
AC_SUBST(HOST_R_SET_RETURN)

```

```

AC_MSG_CHECKING(struct passwd element pw_class)
AC_TRY_COMPILE([
#include <sys/types.h>
#include <pwd.h>
],[struct passwd *pw; pw->pw_class = "";],
AC_MSG_RESULT(yes)
AC_DEFINE(HAS_PW_CLASS)
,
AC_MSG_RESULT(no)
)

```

```

AC_TRY_COMPILE([
#include <sys/types.h>
#include <pwd.h>
void
setpwent(void) {}
],

```

```

[return (0);],
SETPWENT_VOID="#define SETPWENT_VOID 1"
,
SETPWENT_VOID="#undef SETPWENT_VOID"
)
AC_SUBST(SETPWENT_VOID)

AC_TRY_COMPILE([
#include <sys/types.h>
#include <grp.h>
void
setgrent(void) {}
],
[return (0);],
SETGRENT_VOID="#define SETGRENT_VOID 1"
,
SETGRENT_VOID="#undef SETGRENT_VOID"
)
AC_SUBST(SETGRENT_VOID)

AC_CHECK_FUNC(getnetgrent_r,
AC_TRY_COMPILE(
[
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
int
getnetgrent_r(char **m, char **u, char **d, char *b, int l) {}
]
,
[return (0);],
[
NGR_R_ARGS="#define NGR_R_ARGS char *buf, int buflen"
NGR_R_BAD="#define NGR_R_BAD (0)"
NGR_R_COPY="#define NGR_R_COPY buf, buflen"
NGR_R_COPY_ARGS="#define NGR_R_COPY_ARGS NGR_R_ARGS"
NGR_R_OK="#define NGR_R_OK 1"
NGR_R_RETURN="#define NGR_R_RETURN int"
]
,
AC_TRY_COMPILE(
[
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
int getnetgrent_r(char **m, char **u, char **d, char *b, size_t l) {}
]
,

```

```

[return (0);],
[
NGR_R_ARGS="#define NGR_R_ARGS char *buf, size_t buflen"
NGR_R_BAD="#define NGR_R_BAD (0)"
NGR_R_COPY="#define NGR_R_COPY buf, buflen"
NGR_R_COPY_ARGS="#define NGR_R_COPY_ARGS NGR_R_ARGS"
NGR_R_OK="#define NGR_R_OK 1"
NGR_R_RETURN="#define NGR_R_RETURN int"
]
,
AC_TRY_COMPILE(
[
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
extern int getnetgrent_r( char **, char **, char **, void **);
]
,
[return (0);],
[
NGR_R_ARGS="#define NGR_R_ARGS void **buf"
NGR_R_BAD="#define NGR_R_BAD
(0)"
NGR_R_COPY="#define NGR_R_COPY buf"
NGR_R_COPY_ARGS="#define NGR_R_COPY_ARGS NGR_R_ARGS"
NGR_R_OK="#define NGR_R_OK 1"
NGR_R_RETURN="#define NGR_R_RETURN int"
NGR_R_PRIVATE="#define NGR_R_PRIVATE 1"
]
,
)
)
)
)
,
NGR_R_ARGS="#define NGR_R_ARGS char *buf, int buflen"
NGR_R_BAD="#define NGR_R_BAD (0)"
NGR_R_COPY="#define NGR_R_COPY buf, buflen"
NGR_R_COPY_ARGS="#define NGR_R_COPY_ARGS NGR_R_ARGS"
NGR_R_OK="#define NGR_R_OK 1"
NGR_R_RETURN="#define NGR_R_RETURN int"
)
AC_SUBST(NGR_R_ARGS)
AC_SUBST(NGR_R_BAD)
AC_SUBST(NGR_R_COPY)
AC_SUBST(NGR_R_COPY_ARGS)
AC_SUBST(NGR_R_OK)
AC_SUBST(NGR_R_RETURN)
AC_SUBST(NGR_R_PRIVATE)

```

```

AC_CHECK_FUNC(endnetgrent_r,
NGR_R_END_RESULT="#define NGR_R_END_RESULT(x) return (x)"
NGR_R_END_RETURN="#define NGR_R_END_RETURN int"
NGR_R_ENT_ARGS="#define NGR_R_ENT_ARGS NGR_R_ARGS"
,
NGR_R_END_RESULT="#define NGR_R_END_RESULT(x) /*empty*/"
NGR_R_END_RETURN="#define NGR_R_END_RETURN void"
NGR_R_ENT_ARGS="#undef NGR_R_ENT_ARGS /*empty*/"
AC_DEFINE(NEED_ENDNETGRENT_R)
)
AC_SUBST(NGR_R_END_RESULT)
AC_SUBST(NGR_R_END_RETURN)
AC_SUBST(NGR_R_ENT_ARGS)

AC_CHECK_FUNC(setnetgrent_r,
[
case
"$host" in
*bsdi*)
NGR_R_SET_RESULT="#undef NGR_R_SET_RESULT /*empty*/"
NGR_R_SET_RETURN="#define NGR_R_SET_RETURN void"
;;
*)
NGR_R_SET_RESULT="#define NGR_R_SET_RESULT NGR_R_OK"
NGR_R_SET_RETURN="#define NGR_R_SET_RETURN int"
;;
esac
]
,
NGR_R_SET_RESULT="#undef NGR_R_SET_RESULT /*empty*/"
NGR_R_SET_RETURN="#define NGR_R_SET_RETURN void"
)
AC_SUBST(NGR_R_SET_RESULT)
AC_SUBST(NGR_R_SET_RETURN)

AC_CHECK_FUNC(innetgr_r,,AC_DEFINE(NEED_INNETGR_R))

AC_CHECK_FUNC(getprotoent_r,
AC_TRY_COMPILE(
[
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
struct protoent *getprotoent_r(struct protoent *result,
char *buffer, int buflen) {}
]
,

```

```

[return (0);]
,
[
PROTO_R_ARGS="#define PROTO_R_ARGS char *buf, int buflen"
PROTO_R_BAD="#define PROTO_R_BAD NULL"
PROTO_R_COPY="#define PROTO_R_COPY buf, buflen"
PROTO_R_COPY_ARGS="#define PROTO_R_COPY_ARGS PROTO_R_ARGS"
PROTO_R_OK="#define
PROTO_R_OK pptr"
PROTO_R_SETANSWER="#undef PROTO_R_SETANSWER"
PROTO_R_RETURN="#define PROTO_R_RETURN struct protoent *"
]
,
AC_TRY_COMPILE(
[
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
int getprotoent_r (struct protoent *, char *, size_t, struct protoent **);
]
,
[return (0);]
,
[
PROTO_R_ARGS="#define PROTO_R_ARGS char *buf, size_t buflen, struct protoent **answerp"
PROTO_R_BAD="#define PROTO_R_BAD ERANGE"
PROTO_R_COPY="#define PROTO_R_COPY buf, buflen"
PROTO_R_COPY_ARGS="#define PROTO_R_COPY_ARGS char *buf, size_t buflen"
PROTO_R_OK="#define PROTO_R_OK 0"
PROTO_R_SETANSWER="#define PROTO_R_SETANSWER 1"
PROTO_R_RETURN="#define PROTO_R_RETURN int"
]
,
)
)
,
PROTO_R_ARGS="#define PROTO_R_ARGS char *buf, int buflen"
PROTO_R_BAD="#define PROTO_R_BAD NULL"
PROTO_R_COPY="#define PROTO_R_COPY buf, buflen"
PROTO_R_COPY_ARGS="#define PROTO_R_COPY_ARGS PROTO_R_ARGS"
PROTO_R_OK="#define PROTO_R_OK pptr"
PROTO_R_SETANSWER="#undef PROTO_R_SETANSWER"
PROTO_R_RETURN="#define
PROTO_R_RETURN struct protoent *"
)
AC_SUBST(PROTO_R_ARGS)
AC_SUBST(PROTO_R_BAD)

```

```
AC_SUBST(PROTO_R_COPY)
AC_SUBST(PROTO_R_COPY_ARGS)
AC_SUBST(PROTO_R_OK)
AC_SUBST(PROTO_R_SETANSWER)
AC_SUBST(PROTO_R_RETURN)
```

```
AC_CHECK_FUNC(endprotoent_r,
AC_TRY_COMPILE(
[
#undef _REENTRANT
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
void endprotoent_r(void);
]
,
[
PROTO_R_END_RESULT="#define PROTO_R_END_RESULT(x) /*empty*/"
PROTO_R_END_RETURN="#define PROTO_R_END_RETURN void"
PROTO_R_ENT_ARGS="#undef PROTO_R_ENT_ARGS"
]
,
PROTO_R_END_RESULT="#define PROTO_R_END_RESULT(x) /*empty*/"
PROTO_R_END_RETURN="#define PROTO_R_END_RETURN void"
PROTO_R_ENT_ARGS="#undef PROTO_R_ENT_ARGS /*empty*/"
)
AC_SUBST(PROTO_R_END_RESULT)
AC_SUBST(PROTO_R_END_RETURN)
AC_SUBST(PROTO_R_ENT_ARGS)
```

```
AC_CHECK_FUNC(setprotoent_r,
AC_TRY_COMPILE(
[
#undef _REENTRANT
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
void          setprotoent_r __P((int));
],[],
PROTO_R_SET_RESULT="#undef
PROTO_R_SET_RESULT"
PROTO_R_SET_RETURN="#define PROTO_R_SET_RETURN void"
,
)
```

```

,
PROTO_R_SET_RESULT="#undef PROTO_R_SET_RESULT"
PROTO_R_SET_RETURN="#define PROTO_R_SET_RETURN void"
)
AC_SUBST(PROTO_R_SET_RESULT)
AC_SUBST(PROTO_R_SET_RETURN)

AC_CHECK_FUNC(getpwent_r,
AC_TRY_COMPILE(
[
#include <sys/types.h>
#include <pwd.h>
struct passwd *
getpwent_r(struct passwd *pwptr, char *buf, int buflen) {}
]
,
[]
,
PASS_R_ARGS="#define PASS_R_ARGS char *buf, int buflen"
PASS_R_BAD="#define PASS_R_BAD NULL"
PASS_R_COPY="#define PASS_R_COPY buf, buflen"
PASS_R_COPY_ARGS="#define PASS_R_COPY_ARGS PASS_R_ARGS"
PASS_R_OK="#define PASS_R_OK pwptr"
PASS_R_RETURN="#define PASS_R_RETURN struct passwd *"
,
)
,
PASS_R_ARGS="#define PASS_R_ARGS char *buf, int buflen"
PASS_R_BAD="#define PASS_R_BAD NULL"
PASS_R_COPY="#define PASS_R_COPY buf, buflen"
PASS_R_COPY_ARGS="#define PASS_R_COPY_ARGS PASS_R_ARGS"
PASS_R_OK="#define PASS_R_OK pwptr"
PASS_R_RETURN="#define PASS_R_RETURN struct passwd
*"
AC_DEFINE(NEED_GETPWENT_R)
)
AC_SUBST(PASS_R_ARGS)
AC_SUBST(PASS_R_BAD)
AC_SUBST(PASS_R_COPY)
AC_SUBST(PASS_R_COPY_ARGS)
AC_SUBST(PASS_R_OK)
AC_SUBST(PASS_R_RETURN)

AC_CHECK_FUNC(endpwent_r,
AC_TRY_COMPILE(
[
#include <pwd.h>
void endpwent_r(FILE **pwfp);

```

```

], ,
PASS_R_END_RESULT="#define PASS_R_END_RESULT(x) /*empty*/"
PASS_R_END_RETURN="#define PASS_R_END_RETURN void"
PASS_R_ENT_ARGS="#define PASS_R_ENT_ARGS FILE **pwptr"
,
)
,
PASS_R_END_RESULT="#define PASS_R_END_RESULT(x) /*empty*/"
PASS_R_END_RETURN="#define PASS_R_END_RETURN void"
PASS_R_ENT_ARGS="#undef PASS_R_ENT_ARGS"
AC_DEFINE(NEED_ENDPWENT_R)
)
AC_SUBST(PASS_R_END_RESULT)
AC_SUBST(PASS_R_END_RETURN)
AC_SUBST(PASS_R_ENT_ARGS)
AC_CHECK_FUNC(setpassent_r,,AC_DEFINE(NEED_SETPASSENT_R))
AC_CHECK_FUNC(setpassent,,AC_DEFINE(NEED_SETPASSENT))

AC_CHECK_FUNC(setpwent_r,
AC_TRY_COMPILE([
#include <pwd.h>
void setpwent_r(FILE **pwfp);
], ,
PASS_R_SET_RESULT="#undef PASS_R_SET_RESULT /* empty */"
PASS_R_SET_RETURN="#define PASS_R_SET_RETURN
int"
,
AC_TRY_COMPILE([
#include <pwd.h>
int setpwent_r(FILE **pwfp);
], ,
PASS_R_SET_RESULT="#define PASS_R_SET_RESULT 0"
PASS_R_SET_RETURN="#define PASS_R_SET_RETURN int"
,
)
)
,
PASS_R_SET_RESULT="#undef PASS_R_SET_RESULT /*empty*/"
PASS_R_SET_RETURN="#define PASS_R_SET_RETURN void"
AC_DEFINE(NEED_SETPWENT_R)
)
AC_SUBST(PASS_R_SET_RESULT)
AC_SUBST(PASS_R_SET_RETURN)

AC_CHECK_FUNC(getpwnam_r,,AC_DEFINE(NEED_GETPWNAM_R))
AC_CHECK_FUNC(getpwuid_r,,AC_DEFINE(NEED_GETPWUID_R))

AC_CHECK_FUNC(getservent_r,

```



```

AC_TRY_COMPILE([
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
struct servent *
getservent_r(struct servent *result, char *buffer, int buflen) {}
],[return (0);],
[
SERV_R_ARGS="#define SERV_R_ARGS char *buf, int buflen"
SERV_R_BAD="#define SERV_R_BAD NULL"
SERV_R_COPY="#define SERV_R_COPY buf, buflen"
SERV_R_COPY_ARGS="#define SERV_R_COPY_ARGS SERV_R_ARGS"
SERV_R_OK="#define SERV_R_OK sptr"
SERV_R_SETANSWER="#undef SERV_R_SETANSWER"
SERV_R_RETURN="#define SERV_R_RETURN
struct servent *"
]
,
AC_TRY_COMPILE([
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
int
getservent_r (struct servent *, char *, size_t, struct servent **);
],[return (0);],
[
SERV_R_ARGS="#define SERV_R_ARGS char *buf, size_t buflen, struct servent **answerp"
SERV_R_BAD="#define SERV_R_BAD ERANGE"
SERV_R_COPY="#define SERV_R_COPY buf, buflen"
SERV_R_COPY_ARGS="#define SERV_R_COPY_ARGS char *buf, size_t buflen"
SERV_R_OK="#define SERV_R_OK (0)"
SERV_R_SETANSWER="#define SERV_R_SETANSWER 1"
SERV_R_RETURN="#define SERV_R_RETURN int"
]
,
)
,
SERV_R_ARGS="#define SERV_R_ARGS char *buf, int buflen"
SERV_R_BAD="#define SERV_R_BAD NULL"
SERV_R_COPY="#define SERV_R_COPY buf, buflen"
SERV_R_COPY_ARGS="#define SERV_R_COPY_ARGS SERV_R_ARGS"
SERV_R_OK="#define SERV_R_OK sptr"
SERV_R_SETANSWER="#undef SERV_R_SETANSWER"
SERV_R_RETURN="#define SERV_R_RETURN struct servent *"
)
AC_SUBST(SERV_R_ARGS)
AC_SUBST(SERV_R_BAD)

```

```
AC_SUBST(SERV_R_COPY)
AC_SUBST(SERV_R_COPY_ARGS)
AC_SUBST(SERV_R_OK)
AC_SUBST(SERV_R_SETANSWER)
AC_SUBST(SERV_R_RETURN)
```

```
AC_CHECK_FUNC(endservent_r,
AC_TRY_COMPILE(
[
#undef
_REENTRANT
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
void endservent_r(void);
]
,
,
[
SERV_R_END_RESULT="#define SERV_R_END_RESULT(x) /*empty*/"
SERV_R_END_RETURN="#define SERV_R_END_RETURN void "
SERV_R_ENT_ARGS="#undef SERV_R_ENT_ARGS /*empty*/"
]
,
)
,
SERV_R_END_RESULT="#define SERV_R_END_RESULT(x) /*empty*/"
SERV_R_END_RETURN="#define SERV_R_END_RETURN void "
SERV_R_ENT_ARGS="#undef SERV_R_ENT_ARGS /*empty*/"
)
AC_SUBST(SERV_R_END_RESULT)
AC_SUBST(SERV_R_END_RETURN)
AC_SUBST(SERV_R_ENT_ARGS)
```

```
AC_CHECK_FUNC(setservent_r,
AC_TRY_COMPILE(
[
#undef _REENTRANT
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
void      setservent_r(int);
]
,
,
[
SERV_R_SET_RESULT="#undef SERV_R_SET_RESULT"
```

```

SERV_R_SET_RETURN="#define SERV_R_SET_RETURN void"
]
,
)
,
SERV_R_SET_RESULT="#undef SERV_R_SET_RESULT"
SERV_R_SET_RETURN="#define
SERV_R_SET_RETURN void"
)
AC_SUBST(SERV_R_SET_RESULT)
AC_SUBST(SERV_R_SET_RETURN)

AC_TRY_COMPILE(
[
#undef _REENTRANT
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include <unistd.h>
#include <netdb.h>
int inetgr(const char *netgroup, const char *host, const char *user, const char *domain);
]
,
[
INNETGR_ARGS="#undef INNETGR_ARGS"
]
,
AC_TRY_COMPILE(
[
#undef _REENTRANT
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include <unistd.h>
#include <netdb.h>
int inetgr(char *netgroup, char *host, char *user, char *domain);
]
,
[
INNETGR_ARGS="#define INNETGR_ARGS char *netgroup, char *host, char *user, char *domain"
]
,
))

AC_TRY_COMPILE(
[
#undef _REENTRANT
#define _REENTRANT

```

```

#undef __USE_MISC
#define __USE_MISC
#include <unistd.h>
#include <netdb.h>
void setnetgrent(const char *);
]
”
[
SETNETGRENT_ARGS="#undef SETNETGRENT_ARGS"
]
,
AC_TRY_COMPILE(
[
#undef _REENTRANT
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include <unistd.h>
#include <netdb.h>
void
setnetgrent(char *);
]
”
[
SETNETGRENT_ARGS="#define SETNETGRENT_ARGS char *netgroup"
]
,
))
AC_SUBST(SETNETGRENT_ARGS)
AC_SUBST(INNETGR_ARGS)

#
# Random remaining OS-specific issues involving compiler warnings.
# XXXDCL print messages to indicate some compensation is being done?
#
AC_SUBST(ISC_PLATFORM_BRACEPTHREADONCEINIT)
ISC_PLATFORM_BRACEPTHREADONCEINIT="#undef ISC_PLATFORM_BRACEPTHREADONCEINIT"
BROKEN_IN6ADDR_INIT_MACROS="#undef BROKEN_IN6ADDR_INIT_MACROS"

case "$host" in
*-bsdi3.1*)
hack_shutup_sputaux=yes
;;
*-bsdi4.0*)
hack_shutup_sigwait=yes
hack_shutup_sputaux=yes
hack_shutup_in6addr_init_macros=yes
;;

```

```

*-bsdi4.1*)
hack_shutup_stdargcast=yes
;;
*-solaris2.8)
hack_shutup_pthreadonceinit=yes
hack_shutup_in6addr_init_macros=yes
;;
esac

case "$hack_shutup_pthreadonceinit" in
yes)
#
# Shut up PTHREAD_ONCE_INIT unbraced initializer warnings.
#
ISC_PLATFORM_BRACEPTHREADONCEINIT="#define ISC_PLATFORM_BRACEPTHREADONCEINIT 1"
;;
esac

case
"$hack_shutup_sigwait" in
yes)
#
# Shut up a -Wmissing-prototypes warning for sigwait().
#
AC_DEFINE(SHUTUP_SIGWAIT)
;;
esac

case "$hack_shutup_sputaux" in
yes)
#
# Shut up a -Wmissing-prototypes warning from <stdio.h>.
#
AC_DEFINE(SHUTUP_SPUTAUX)
;;
esac

case "$hack_shutup_stdargcast" in
yes)
#
# Shut up a -Wcast-qual warning from va_start().
#
AC_DEFINE(SHUTUP_STDARG_CAST)
;;
esac

case "$hack_shutup_in6addr_init_macros" in
yes)

```

```

AC_DEFINE(BROKEN_IN6ADDR_INIT_MACROS)
;;
esac

#
# Substitutions
#
AC_SUBST(BIND9_TOP_BUILDDIR)
BIND9_TOP_BUILDDIR=`pwd`

AC_SUBST_FILE(BIND9_INCLUDES)
BIND9_INCLUDES=$BIND9_TOP_BUILDDIR/make/includes

AC_SUBST_FILE(BIND9_MAKE_RULES)
BIND9_MAKE_RULES=$BIND9_TOP_BUILDDIR/make/rules

. $srcdir/../../version
BIND9_VERSION="VERSION=${MAJORVER}.${MINORVER}.${PATCHVER}${RELEASETYPE}${RELEASEVER}"
AC_SUBST(BIND9_VERSION)

AC_SUBST_FILE(LIBBIND_API)
LIBBIND_API=$srcdir/api

AC_OUTPUT(
make/rules
make/mkdep
make/includes
Makefile
bsd/Makefile
dst/Makefile
include/Makefile
inet/Makefile
irs/Makefile
isc/Makefile
nameser/Makefile
port_after.h
port_before.h
resolv/Makefile
port/Makefile
${PORT_DIR}/Makefile
${PORT_INCLUDE}/Makefile
)

#
Tell Emacs to edit this file in shell mode.
# Local Variables:
# mode: sh

```

End:

Found in path(s):

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/configure.in

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/hmacmd5.c
*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/stdio.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/keyboard.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/nothreads/include/isc/condition.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/include/lwres/context.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/nothreads/include/isc/mutex.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/resource.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/nothreads/condition.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/lwpacket.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/include/isc/ntpaths.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/resource.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/sec/dst/include/dst/gssapi.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/os.c
*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/version.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/fsaccess.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/include/lwres/lang.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/gai_strerror.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/unistd.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/include/isc/offset.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/fsaccess.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/include/isc/keyboard.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/stats.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/include/isc/keyboard.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/socket_p.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/keytable.h
*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/hmacmd5.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/timer_p.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/win32/include/lwres/platform.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/ondestroy.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/lwres_noop.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/ondestroy.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/hex.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/win32/bindevt/bindevt.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/timer.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/formatcheck.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/stats.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/keyboard.c
*

```

/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/entropy.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/bit.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/lwres_grbn.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/win32/include/lwres/netdb.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/include/lwres/lwres.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/fsaccess.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/quota.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/timer.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/soa.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/include/lwres/netdb.h.in
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/nothreads/mutex.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/resource.c
*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/errno2result.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/lookup.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/include/lwres/int.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/include/isc/offset.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/win32/include/lwres/int.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/nothreads/include/isc/thread.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/assert_p.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/include/lwres/result.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/task_p.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/quota.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/diff.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/file.h
*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/keytable.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/forward.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/win32/include/lwres/net.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/sdb.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/nothreads/include/isc/once.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/lwresutil.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/include/lwres/lwbuffer.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/forward.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/errno2result.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/netdb.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/lwres_gabn.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/nothreads/thread.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/include/lwres/ipv6.h
*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/os.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdatalist_p.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/stdio.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/lwbuffer.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/gethost.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/context_p.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/stdio.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/soa.c

```

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/sec/dst/gssapictx.c

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind9/include/bind9/getaddresses.h

*

/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/ntgroups.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/version.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccc/win32/DLLMain.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/sterror.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccfg/include/isccfg/log.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/DLLMain.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind9/include/bind9/version.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind9/version.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind9/include/bind9/check.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccfg/win32/DLLMain.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccfg/log.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccc/win32/version.c

*

/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/include/isc/platform.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/zonekey.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccfg/include/isccfg/version.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/win32/DLLMain.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/include/lwres/version.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/solaris/include/sys/bitypes.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind9/win32/DLLMain.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/include/isc/sterror.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/win32/DLLMain.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/include/isc/bind_registry.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/include/isc/sterror.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/version.h

*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/npaths.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/syslog.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/version.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/include/isc/ntgroups.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/include/isc/bindevt.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/sec/dst/key.c
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* @(#)cdefs.h 8.7 (Berkeley) 1/21/94
*/

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```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/qnx/include/sys/cdefs.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/aux3/include/sys/cdefs.h
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.\" $Id: lwres_getnameinfo.3,v 1.1 2004/11/03 01:39:06 abstine Exp $
.\"
```

Found

in path(s):

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_getnameinfo.3
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/* $Id: platform.h.in,v 1.1 2004/11/03 01:39:06 abstine Exp $ */
```

```
#ifndef LWRES_PLATFORM_H
```

```

#define
LWRES_PLATFORM_H 1

/*****
**** Platform-dependent defines.
****/

/**
** Network.
**/

/*
* Define if this system needs the <netinet/in6.h> header file for IPv6.
*/
@LWRES_PLATFORM_NEEDNETINETIN6H@

/*
* Define if this system needs the <netinet6/in6.h> header file for IPv6.
*/
@LWRES_PLATFORM_NEEDNETINET6IN6H@

/*
* If sockaddrs on this system have an sa_len field, LWRES_PLATFORM_HAVESALEN
* will be defined.
*/
@LWRES_PLATFORM_HAVESALEN@

/*
* If this system has the IPv6 structure definitions, LWRES_PLATFORM_HAVEIPV6
* will be defined.
*/
@LWRES_PLATFORM_HAVEIPV6@

/*
* If this system is missing in6addr_any, LWRES_PLATFORM_NEEDIN6ADDRANY will
* be defined.
*/
@LWRES_PLATFORM_NEEDIN6ADDRANY@

/*
* If this system is missing in6addr_loopback,
* LWRES_PLATFORM_NEEDIN6ADDRLOOPBACK will be defined.
*/
@LWRES_PLATFORM_NEEDIN6ADDRLOOPBACK@

/*
* If this system has in_addr6, rather than in6_addr,
* LWRES_PLATFORM_HAVEINADDR6 will be defined.

```

```

*/
@LWRES_PLATFORM_HAVEINADDR6@

/*
* Defined if unistd.h does not cause fd_set to be declared.
*/
@LWRES_PLATFORM_NEEDSYSSELECTH@

/*
* Used to control how extern data is linked; needed for Win32 platforms.
*/
@LWRES_PLATFORM_USEDECLSPEC@

/*
* Defined this system needs vsnprintf() and snprintf().
*/
@LWRES_PLATFORM_NEEDVSNPRINTF@

/*
* If this system need a modern printf() that returns (int) not (char*).
*/
@LWRES_PLATFORM_NEEDSPRINTF@

#ifndef LWRES_PLATFORM_USEDECLSPEC
#define LIBLWRES_EXTERNAL_DATA
#else
#ifdef LIBLWRES_EXPORTS
#define LIBLWRES_EXTERNAL_DATA __declspec(dllexport)
#else
#define LIBLWRES_EXTERNAL_DATA __declspec(dllimport)
#endif
#endif
#endif

#endif /* LWRES_PLATFORM_H */

```

Found in path(s):

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/include/lwres/platform.h.in

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```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/nis_gr.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/lcl_nw.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/lcl_gr.c
*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/lcl_sv.c
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*/
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```
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.\" \$Id: lwres_getipnode.3,v 1.1 2004/11/03 01:39:06 abstine Exp \$

.\"

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in path(s):

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_getipnode.3

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/lwconfig.c

*

/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/validator.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/sec/dst/opensslrsa_link.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/iscconf/parser.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/socket.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/msgs.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/validator.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/entropy.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/diff.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/byaddr.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/byaddr.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/hex.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/entropy.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/getrrset.c

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Found

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_gabn.3
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*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccc/include/isccc/util.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccc/ccmsg.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccc/include/isccc/lib.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccc/base64.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccc/alist.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccc/include/isccc/symtype.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccc/include/isccc/cc.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccc/include/isccc/symtab.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccc/lib.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccc/include/isccc/base64.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccc/include/isccc/events.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccc/symtab.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccc/include/isccc/sexpr.h
*

/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccc/include/isccc/alist.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccc/include/isccc/ccmsg.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccc/include/isccc/types.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccc/sexpr.c
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_getrrsetbyname.3

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/unix/include/lwres/net.h
*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/include/isc/ipv6.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/sec/dst/gssapi_link.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/fsaccess.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/errno2result.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/threads/mutex.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/errno2result.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/file.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/sec/dst/include/dst/dst.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/lwres_gnba.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/request.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/os.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/entropy.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/iscconf/include/iscconf/cfg.h

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.\\$Id: logging.mdoc,v 1.1 2004/11/03 01:39:04 abstine Exp \$

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.\Os OPERATING_SYSTEM [version/release]

.\Dt DOCUMENT_TITLE [section number] [volume]

.\ The following requests should be uncommented and

.\" used where appropriate. This next request is
.\" for sections 2 and 3 function return values only.
.\" This next request is for sections 1, 6, 7 & 8 only
.\" .Sh ENVIRONMENT
.\" .Sh EXAMPLES
.\" This next request is for sections 1, 6, 7 & 8 only
.\" (command return values (to shell) and
.\" fprintf/stderr type diagnostics)
.\" .Sh DIAGNOSTICS
.\" The next request is for sections 2 and 3 error
.\" and signal handling only.
.\" .Sh STANDARDS
.\" .Sh HISTORY
.\" .Sh BUGS

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.\"Dt DOCUMENT_TITLE [section number] [volume]
.\" This next request is for sections 1, 6, 7 & 8 only
.\" .Sh ENVIRONMENT
.\" .Sh FILES
.\" .Sh EXAMPLES
.\" This next request is for sections 1, 6, 7 & 8 only
.\" (command return values (to shell) and
.\" fprintf/stderr type diagnostics)
.\" .Sh DIAGNOSTICS
.\" The next request is for sections 2 and 3 error
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.\" .Sh STANDARDS
.\" .Sh HISTORY
.\" .Sh BUGS
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/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/nameser/ns_verify.c

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.\"

.\" \$Id: lwres.3,v 1.1 2004/11/03 01:39:06 abstine Exp \$

.\"

Found in path(s):

*

/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres.3

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<!DOCTYPE refentry PUBLIC "-//OASIS//DTD DocBook V4.1//EN">

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-->

<!-- \$Id: lwres_getipnode.docbook,v

1.1 2004/11/03 01:39:06 abstine Exp \$ -->

<refentry>

<refentryinfo>

<date>Jun 30, 2000</date>

</refentryinfo>

<refmeta>

<refentrytitle>lwres_getipnode</refentrytitle>

<manvolnum>3</manvolnum>

<refmiscinfo>BIND9</refmiscinfo>

</refmeta>

<refnamediv>

<refname>lwres_getipnodebyname</refname>

```

<refname>lwres_getipnodebyaddr</refname>
<refname>lwres_freehostent</refname>
<refpurpose>lightweight resolver nodename / address translation API</refpurpose>
</refnamediv>
<refsynopsisdiv>
<funcsynopsis>
<funcsynopsisinfo>#include <lwres/netdb.h></funcsynopsisinfo>
<funcprototype>
<funcdef>
struct hostent *
<function>lwres_getipnodebyname</function></funcdef>
<paramdef>const char *name</paramdef>
<paramdef>int af</paramdef>
<paramdef>int flags</paramdef>
<paramdef>int *error_num</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
struct hostent *
<function>lwres_getipnodebyaddr</function></funcdef>
<paramdef>const void *src</paramdef>
<paramdef>size_t len</paramdef>
<paramdef>int
af</paramdef>
<paramdef>int *error_num</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
void
<function>lwres_freehostent</function></funcdef>
<paramdef>struct hostent *he</paramdef>
</funcprototype>
</funcsynopsis>
</refsynopsisdiv>

```

<refsect1>

<title>DESCRIPTION</title>

<para>

These functions perform thread safe, protocol independent nodename-to-address and address-to-nodename translation as defined in RFC2553.

</para>

<para>

They use a

<type>struct hostent</type>

which is defined in

```

<filename>namedb.h</filename>:
<programlisting>
struct hostent {
    char  *h_name;    /* official name of host */
    char  **h_aliases; /* alias list */
    int   h_addrtype; /* host address type */
    int   h_length;   /* length of address */
    char  **h_addr_list; /* list of addresses from name server */
};
#define h_addr h_addr_list[0] /* address, for backward compatibility */
</programlisting>
</para>

```

<para>

The members of this structure

are:

<variablelist>

<varlistentry><term><constant>h_name</constant></term>

<listitem>

<para>

The official (canonical) name of the host.

</para>

</listitem></varlistentry>

<varlistentry><term><constant>h_aliases</constant></term>

<listitem>

<para>

A NULL-terminated array of alternate names (nicknames) for the host.

</para>

</listitem></varlistentry>

<varlistentry><term><constant>h_addrtype</constant></term>

<listitem>

<para>

The type of address being returned - usually

<type>PF_INET</type>

or

<type>PF_INET6</type>.

</para>

</listitem></varlistentry>

<varlistentry><term><constant>h_length</constant></term>

<listitem>

<para>

The length of the address in bytes.

</para>

</listitem></varlistentry>

<varlistentry><term><constant>h_addr_list</constant></term>

<listitem>

<para>

A

<type>NULL</type>

terminated array of network addresses for the host.

Host addresses are returned in network byte order.

</para>

</listitem></varlistentry>

</variablelist>

</para>

<para>

<function>lwres_getipnodebyname()</function>

looks

up addresses of protocol family

<parameter>af</parameter>

for the hostname

<parameter>name</parameter>.

The

<parameter>flags</parameter>

parameter contains ORed flag bits to

specify the types of addresses that are searched

for, and the types of addresses that are returned.

The flag bits are:

<variablelist>

<varlistentry><term><constant>AI_V4MAPPED</constant></term>

<listitem>

<para>

This is used with an

<parameter>af</parameter>

of AF_INET6, and causes IPv4 addresses to be returned as IPv4-mapped IPv6 addresses.

</para>

</listitem></varlistentry>

<varlistentry><term><constant>AI_ALL</constant></term>

<listitem>

<para>

This is used with an

<parameter>af</parameter>

of AF_INET6, and causes all known addresses (IPv6 and IPv4) to be returned.

If AI_V4MAPPED is also set, the IPv4 addresses are return as mapped IPv6 addresses.

</para>

</listitem></varlistentry>

<varlistentry><term><constant>AI_ADDRCONFIG</constant></term>

<listitem>

<para>

Only return an IPv6 or

IPv4 address if here is an active network interface of that type. This is not currently implemented in the BIND 9 lightweight resolver, and the flag is ignored.

</para>

</listitem></varlistentry>

<varlistentry><term><constant>AI_DEFAULT</constant></term>

<listitem>

<para>

This default sets the

<constant>AI_V4MAPPED</constant>

and

<constant>AI_ADDRCONFIG</constant>

flag bits.

</para>

</listitem></varlistentry>

</variablelist>

</para>

<para>

<function>lwres_getipnodebyaddr(</function>

performs a reverse lookup

of address

<parameter>src</parameter>

which is

<parameter>len</parameter>

bytes long.

<parameter>af</parameter>

denotes the protocol family, typically

<type>PF_INET</type>

or

<type>PF_INET6</type>.

</para>

<para>

<function>lwres_freehostent(</function>

releases all the memory associated with

the

<type>struct hostent</type>

pointer

<parameter>he</parameter>.

Any memory allocated for the

<constant>h_name</constant>,

<constant>h_addr_list</constant>

and

<constant>h_aliases</constant>

is

freed, as is the memory for the

<type>hostent</type>

structure itself.

</para>

</refsect1>

<refsect1>

<title>RETURN VALUES</title>

<para>

If an error occurs,

<function>lwres_getipnodebyname()</function>

and

<function>lwres_getipnodebyaddr()</function>

set

<parameter>*error_num</parameter>

to an appropriate error code and the function returns a

<type>NULL</type>

pointer.

The error codes and their meanings are defined in

<filename><lwres/netdb.h></filename>:

<variablelist>

<varlistentry><term><constant>HOST_NOT_FOUND</constant></term>

<listitem>

<para>

No such host is known.

</para>

</listitem></varlistentry>

<varlistentry><term><constant>NO_ADDRESS</constant></term>

<listitem>

<para>

The server recognised the request and the name but no address is available. Another type of request to the name server for the domain might return an answer.

</para>

</listitem></varlistentry>

<varlistentry><term><constant>TRY_AGAIN</constant></term>

<listitem>

<para>

A temporary and possibly transient error occurred, such as a failure of a server to respond. The request may succeed if retried.

</para>

</listitem></varlistentry>

<varlistentry><term><constant>NO_RECOVERY</constant></term>

<listitem>

<para>

An unexpected failure occurred, and retrying the request is pointless.

```

</para>
</listitem></varlistentry>
</variablelist>
</para>
<para>
<citerefentry>
<refentrytitle>lwres_hsterror</refentrytitle><manvolnum>3
</manvolnum>
</citerefentry>
translates these error codes to suitable error messages.
</para>
</refsect1>
<refsect1>
<title>SEE ALSO</title>
<para>
<citerefentry>
<refentrytitle>RFC2553</refentrytitle>
</citerefentry>,

<citerefentry>
<refentrytitle>lwres</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>,

<citerefentry>
<refentrytitle>lwres_gethostent</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>,

<citerefentry>
<refentrytitle>lwres_getaddrinfo</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>,

<citerefentry>
<refentrytitle>lwres_getnameinfo</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>,

<citerefentry>
<refentrytitle>lwres_hsterror</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>.
</para>
</refsect1>
</refentry>

```

Found

in path(s):

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_getipnode.docbook

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.\" $Id: lwres_inetntop.3,v 1.1 2004/11/03 01:39:06 abstine Exp $
.\"
```

Found

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```

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-->

<!-- \$Id: lwres_resutil.docbook,v

<refentry>

<refentryinfo>

<date>Jun 30, 2000</date>

</refentryinfo>

<refmeta>

<refentrytitle>lwres_resutil</refentrytitle>

<manvolnum>3</manvolnum>

<refmiscinfo>BIND9</refmiscinfo>

</refmeta>

<refnamediv>

<refname>lwres_string_parse</refname>

<refname>lwres_addr_parse</refname>

<refname>lwres_getaddrbyname</refname>

<refname>lwres_getnamebyaddr</refname>

<refpurpose>lightweight resolver utility functions</refpurpose>

</refnamediv>

<refsynopsisdiv>

<funcsynopsis>

<funcsynopsisinfo>#include <lwres/lwres.h></funcsynopsisinfo>

<funcprototype>

<funcdef>

lwres_result_t

<function>lwres_string_parse</function></funcdef>

<paramdef>lwres_buffer_t *b</paramdef>

<paramdef>char **c</paramdef>

<paramdef>lwres_uint16_t *len</paramdef>

</funcprototype>

<funcprototype>

<funcdef>

lwres_result_t

<function>lwres_addr_parse</function></funcdef>

<paramdef>lwres_buffer_t *b</paramdef>

<paramdef>lwres_addr_t *addr</paramdef>

</funcprototype>

<funcprototype>

<funcdef>

lwres_result_t

<function>lwres_getaddrbyname</function></funcdef>

<paramdef>lwres_context_t

*ctx</paramdef>

<paramdef>const char *name</paramdef>

<paramdef>lwres_uint32_t addrtypes</paramdef>

<paramdef>lwres_gabnresponse_t **structp</paramdef>

```
</funcprototype>
<funcprototype>
<funcdef>
lwres_result_t
<function>lwres_getnamebyaddr</function></funcdef>
<paramdef>lwres_context_t *ctx</paramdef>
<paramdef>lwres_uint32_t addrtype</paramdef>
<paramdef>lwres_uint16_t addrlen</paramdef>
<paramdef>const unsigned char *addr</paramdef>
<paramdef>lwres_gnbaresponse_t **structp</paramdef>
</funcprototype>
</funcsynopsis>
</refsynopsisdiv>
```

```
<refsect1>
<title>DESCRIPTION</title>
```

```
<para>
<function>lwres_string_parse()</function> retrieves a DNS-encoded
string starting the current pointer of lightweight resolver buffer
<parameter>b</parameter>: i.e. <constant>b-&gt;current</constant>.
When the function returns, the address of the first byte of the
encoded string is returned via
<parameter>*c</parameter> and the
length of that string is given by <parameter>*len</parameter>. The
buffer's current pointer is advanced to point at the character
following the string length, the encoded string, and the trailing
<type>NULL</type> character.
</para>
```

```
<para>
<function>lwres_addr_parse()</function> extracts an address from the
buffer <parameter>b</parameter>. The buffer's current pointer
<constant>b-&gt;current</constant> is presumed to point at an encoded
address: the address preceded by a 32-bit protocol family identifier
and a 16-bit length field. The encoded address is copied to
<constant>addr-&gt;address</constant> and
<constant>addr-&gt;length</constant> indicates the size in bytes of
the address that was copied. <constant>b-&gt;current</constant> is
advanced to point at the next byte of available data in the buffer
following the encoded address.
</para>
```

```
<para>
<function>lwres_getaddrsbyname()</function>
and
<function>lwres_getnamebyaddr()</function>
use the
```

<type>lwres_gnbaresponse_t</type>

structure

defined below:

<programlisting>

```
typedef struct {
    lwres_uint32_t    flags;
    lwres_uint16_t    naliases;
    lwres_uint16_t    naddrs;
    char              *realname;
    char              **aliases;
    lwres_uint16_t    realnamelen;
    lwres_uint16_t    *aliaslen;
    lwres_addrlist_t  addrs;
    void              *base;
    size_t            baselen;
} lwres_gabnresponse_t;
```

</programlisting>

The contents of this structure are not manipulated directly but they are controlled through the

<citerefentry>

<refentrytitle>lwres_gabn</refentrytitle><manvolnum>3

</manvolnum>

</citerefentry>

functions.

</para>

<para>

The lightweight resolver uses

<function>lwres_getaddrbyname()</function> to perform forward lookups.

Hostname <parameter>name</parameter> is looked up using the resolver context <parameter>ctx</parameter> for memory allocation.

<parameter>addrtypes</parameter>

is a bitmask indicating which type of

addresses are to be looked up. Current values for this bitmask are

<type>LWRES_ADDRTYPE_V4</type> for IPv4 addresses and

<type>LWRES_ADDRTYPE_V6</type> for IPv6 addresses. Results of the

lookup are returned in <parameter>*structp</parameter>.

</para>

<para>

<function>lwres_getnamebyaddr()</function> performs reverse lookups.

Resolver context <parameter>ctx</parameter> is used for memory allocation. The address type is indicated by

<parameter>addrtype</parameter>: <type>LWRES_ADDRTYPE_V4</type> or

<type>LWRES_ADDRTYPE_V6</type>. The address to be looked up is given

by <parameter>addr</parameter> and its length is

<parameter>addrlen</parameter> bytes. The result of the function call

is made available through <parameter>*structp</parameter>.

</para>
</refsect1>

<refsect1>
<title>RETURN VALUES</title>

<para>
Successful calls to
<function>lwres_string_parse()</function>
and
<function>lwres_addr_parse()</function>
return
<errorcode>LWRES_R_SUCCESS.</errorcode>

Both
functions return
<errorcode>LWRES_R_FAILURE</errorcode>
if the buffer is corrupt or
<errorcode>LWRES_R_UNEXPECTEDEND</errorcode>
if the buffer has less space than expected for the components of the
encoded string or address.

</para>
<para>
<function>lwres_getaddrbyname()</function>
returns
<errorcode>LWRES_R_SUCCESS</errorcode>
on success and it returns
<errorcode>LWRES_R_NOTFOUND</errorcode>
if the hostname
<parameter>name</parameter>
could not be found.

</para>
<para>
<errorcode>LWRES_R_SUCCESS</errorcode>
is returned by a successful call to
<function>lwres_getnamebyaddr()</function>.
</para>

<para>
Both
<function>lwres_getaddrbyname()</function>
and
<function>lwres_getnamebyaddr()</function>
return
<errorcode>LWRES_R_NOMEMORY</errorcode>
when memory allocation requests fail and
<errorcode>LWRES_R_UNEXPECTEDEND</errorcode>
if the buffers used for sending queries and receiving replies are too
small.
</para>

</refsect1>
<refsect1>
<title>SEE
ALSO</title>
<para>
<citerefentry>
<refentrytitle>lwres_buffer</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>,&br/></para>

<citerefentry>
<refentrytitle>lwres_gabn</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>.
</para>

</refsect1>
</refentry>

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/sec/dst/openssldh_link.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/sec/dst/openssldsa_link.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/sec/dst/dst_parse.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/sec/dst/hmac_link.c

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*
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/inet/inet_network.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/inet/inet_makeaddr.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/inet/inet_lnaof.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/inet/inet_netof.c
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Found in path(s):

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/getprotoent_r.c
*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/getgrent_r.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/getnetent_r.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/getpwent_r.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/gethostent_r.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/getservent_r.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/getnetgrent_r.c
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/zt.c
*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/tsig.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/hs_4/a_1.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/callbacks.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/ipv6.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/gpos_27.c

```

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/ncache.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/events.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/dnssec.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/ratelimiter.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/isdn_20.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/rdataslab.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/compress.h
*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/lfsr.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/unspec_103.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/ratelimiter.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rootns.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/log.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/acl.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/journal.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/in_1/wks_11.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/zt.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/rbt.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/netaddr.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/x25_19.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/in_1/nsap_22.c
*
/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/masterdump.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/acl.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/master.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/in_1/aaaa_28.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/tsig.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/nxt_30.h
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```

```

/*
* msg_eventlib.c - Error messages for evlib
*
* January 2007, Vikram Visweswaraiah
*
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*/

```

Found in path(s):

```

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/msg_eventlib.c
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*

/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/darwin/include/sys/bitypes.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/rhapsody/include/sys/bitypes.h

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Found in path(s):

```

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/resolv/res_send.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/resolv/res_init.c

```

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```

/*-----
* eventlib definitions specific to binos
*
* January 2007, Vikram Visweswaraiah
*
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*-----
*/

```

Found in path(s):

```

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/include/isc/eventlib_defs.h

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/hpux10/include/sys/cdefs.h
 * /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/lynxos/include/sys/cdefs.h
 * /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/sco42/include/sys/cdefs.h
 * /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/cygwin/include/sys/cdefs.h
 * /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/next/include/sys/cdefs.h
 * /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/aix32/include/sys/cdefs.h
 * /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/mpe/include/sys/cdefs.h
 * /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/aix4/include/sys/cdefs.h
 * /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/hpux/include/sys/cdefs.h
 * /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/unixware20/include/sys/cdefs.h
 * /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/solaris/include/sys/cdefs.h
 *
 * /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/hpux9/include/sys/cdefs.h
 * /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/sunos/include/sys/cdefs.h
 * /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/unixware212/include/sys/cdefs.h
 * /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/irix/include/sys/cdefs.h
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.\"
.\" $Id: lwres_buffer.3,v 1.1 2004/11/03 01:39:06 abstine Exp $
.\"
```

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```
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/irp_pr.c
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/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/irp_pw.c
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Found in path(s):

```
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/movefile.c
```

1.290 gawk 4.2.1-2.el8

1.290.1 Available under license :

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Version 2, June 1991

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[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your
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Licenses are intended to guarantee your freedom to share and change
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This license, the Library General Public License, applies to some
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your libraries, too.

When we speak of free software, we are referring to freedom,

not

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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that

they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because

of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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This option is useful when you wish to copy part of the code of the

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

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You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary.

Here is a sample; alter the names:

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

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Version 3, 29 June 2007

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For the developers' and authors' protection, the GPL clearly explains

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Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

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1. Source Code.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to

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The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

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d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

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b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

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```
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```

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1.294 p11-kit 0.23.21-4.el8

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1.295 iputils 20180629-6.el8

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/*

*-----

* ip_parser_linkpoints.h - IP related parser linkpoint decls.

*

* April, 2005

```
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*
*-----
*/
```

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```
/*
*-----
* util_ip.c -- miscellaneous ip specific utility routines
*
* Feb 2008, Hiral mehta
*
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```

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* /opt/cola/permits/1130449866_1615188952.97/0/ip-tar/ip/src/src.mk
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```
/*
*-----
* ipaddress_api.h
*
* Febuary 2004
*
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*-----
*/
```

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/*

*-----

* ip_parser_macros.h - IP* macros moved out of

* sys/parser/macros.h

*

* November, 2004

*

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*-----

*

*/

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/*-----

* ip_15_registry.h -- Registration Points for IP_15 support

*

* August 2006, Krishna Kumar Maurya

*

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*-----

* The file ip_registry.reg has been re-factored into 44 different

* registries to address the 2G problem. The detail regarding the

* mapping of registries into services is available at

* /vob/ios.sys1/deprecated/sys/ip/ip_registry_map.txt

* For further detail regarding the re-factoring of registries,

* please mail in your queries to dolphins@cisco.com

*/

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/*

*-----

* ip_parser_linkpoints.c - IP related parser linkpoint definitions.

*

* April, 2005

*

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```
*
*-----
*/
```

Found in path(s):

```
*/opt/cola/permits/1130449866_1615188952.97/0/ip-tar/ip/src/ip_parser_linkpoints.c
```

No license file was found, but licenses were detected in source scan.

```
##
## Component "ip":
##
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##
```

syntax: 1.0.0

```
# meta-source files found within component 'ip'
```

```
group: generic
```

```
{
  reg:
    include/reg/ip_15_registry.reg
    include/reg/ip_registry.reg
}
```

```
# migrated from file: 'ip/src/src.mk'
```

```
group: top
```

```
{
  includes: $(IOS_SYSROOT)/ion/include $(COMPONENT_ROOT)/posix/include
```

```
# These diagnostic disables are temporary and must be removed
```

```
# after fixing the problems in the source code
```

```
if: compiler == gcc.c4.7
```

```
{
  cflags : -Wno-error=unused-but-set-variable -Wno-error=enum-compare
}
```

```
sub: ip_parser
```

```
{
  contains:
    src/ip_parser_linkpoints.c
}
```

```
sub: ip_registry
```

```
{
  contains:
    src/ip_registry.c
}
```

```
sub: ip_util
```

```
{
  contains:
    src/ip_util.c
}
}
# end of group: top
```

```
##
```

Found in path(s):

```
* /opt/cola/permits/1130449866_1615188952.97/0/ip-tar/ip/content.lst
```

No license file was found, but licenses were detected in source scan.

```
/*
```

```
*-----
```

```
* ip_util.h
```

```
*
```

```
* February 2005
```

```
*
```

```
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```

```
* All rights reserved.
```

```
*-----
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1130449866_1615188952.97/0/ip-tar/ip/include/ip_util.h
```

1.296 glib 2.56.4-9.el8

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1.297 libsemanage-common 2.9-4.el8

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```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>
```

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Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) year name of author  
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

The hypothetical commands

```
`show w' and `show c' should show the appropriate  
parts of the General Public License. Of course, the commands you use may  
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mouse-clicks or menu items--whatever suits your program.
```

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program  
'Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice
```

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1.298 elfutils 0.182-3.el8

1.298.1 Available under license :

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```
# All rights reserved
```

```
Found in path(s):
```

```
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/parseinfo.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/datastore.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/structdef.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/ActionTable.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/fixup_parser_extension.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/LinkTable.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/SimpleELF.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/Makefile
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/extract_func_calls.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/codegen.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/StructFormat.py
*
```

```
/opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/SimpleCType.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/setup.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/struct_unpack.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/gdblist.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/bat_structoffset.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/CmdSelector.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/parser_bin_tool.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/SymbolTable.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/extract_address.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/Traverser.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/graph_algo.py
*
```

```
/opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/actionenum.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/handler.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/Condition.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/SimpleTraverser.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/tlutils.py
```

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```
/*
```

```
* lua_ex_api.h
```

```
*
```

```
* July 2016, Jingfeng Yan
```

```
*
```

```
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```

```
*
```

```
* All rights reserved
```

```
*/
```

Found in path(s):

* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/lua_ex_api.h

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/*

* lua_ex_api.c

*

* July 2016, Jingfeng Yan

*

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*/

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* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/lua_ex_api.c

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parser_bin_tool_readme.html

July 2016, Jingfeng Yan

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Found in path(s):

* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/parser_bin_tool_readme.html

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/*

* symbol_type_info.c

*

* July 2016, Jingfeng Yan

*

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*/

Found in path(s):

* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/symbol_type_info.c

1.299 systemd 239-43.el8

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1.300 iptables 1.8.4-16.el8

1.300.1 Available under license :

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```
#
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#
# This file contains all needed files related to nfs server daemon.
#
infra/systemd/nfs-mountd.service      usr/lib/systemd/system/nfs-mountd.service
infra/systemd/nfs-server.service      usr/lib/systemd/system/nfs-server.service
infra/systemd/proc-fs-nfsd.mount      usr/lib/systemd/system/proc-fs-nfsd.mount

linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/exportfs  usr/sbin/exportfs
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/rpc.mountd  usr/sbin/rpc.mountd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/rpc.nfsd  usr/sbin/rpc.nfsd

(include nfs-common)
# The following optional kernel modules are put here to allow forwarding
# compatible when NFSV4 support is configured in kernel.
# When nfsv4 is enabled in kernel, it brings in extra dependency for
# nfsd.ko, which is needed for nfsv3 verver.
#
so treat extra modules needed by nfsd.ko as optional since it depend on kernel
# configure.
#
# nfsd.ko depend on auth_rpcgss.ko
# auth_rpcgss.ko depend on oid_registry.ko

-${PLATFORM_SYSROOT}/usr/lib/modules/${KERNEL_VER}/kernel/lib/oid_registry.ko
usr/lib/modules/${KERNEL_VER}/kernel/lib/oid_registry.ko
-${PLATFORM_SYSROOT}/usr/lib/modules/${KERNEL_VER}/kernel/net/sunrpc/auth_gss/auth_rpcgss.ko
usr/lib/modules/${KERNEL_VER}/kernel/net/sunrpc/auth_gss/auth_rpcgss.ko
```

Found in path(s):

* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/nfsv3/nfs-utils

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(include systemd-common)

```
infra/systemd/switchroot/sysinit.target          usr/lib/systemd/system/sysinit.target
infra/systemd/switchroot/systemd-journald.service  usr/lib/systemd/system/systemd-
journald.service
infra/systemd/switchroot/systemd-timedated.service  usr/lib/systemd/system/systemd-
timedated.service
infra/systemd/switchroot/systemd-udev.service      usr/lib/systemd/system/systemd-
udev.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-journald-audit.socket
usr/lib/systemd/system/systemd-journald-audit.socket
```

Found in path(s):

* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/systemd-swrt

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```
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/journalctl  usr/bin/journalctl
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/systemctl  usr/bin/systemctl
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/systemd-inhibit  usr/bin/systemd-inhibit
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/systemd-notify  usr/bin/systemd-notify
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/systemd-tmpfiles  usr/bin/systemd-tmpfiles
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/udevadm        usr/bin/udevadm
contrib/yocto/CGE7/journald.conf                        etc/systemd/journald.conf
infra/systemd/system.conf                              etc/systemd/system.conf
linkfarm/${SYSROOT}${ARCH}${SDK}/etc/systemd/user.conf  etc/systemd/user.conf
linkfarm/${SYSROOT}${ARCH}${SDK}/etc/udev/udev.conf    etc/udev/udev.conf
/usr/lib/systemd/systemd                               init
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system-generators/systemd-fstab-generator
usr/lib/systemd/system-generators/systemd-fstab-generator
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/basic.target
usr/lib/systemd/system/basic.target
/usr/lib/systemd/system/reboot.target                  usr/lib/systemd/system/ctrl-alt-del.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/dev-hugepages.mount
usr/lib/systemd/system/dev-hugepages.mount
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/dev-mqueue.mount
usr/lib/systemd/system/dev-mqueue.mount
infra/systemd/emergency.service
```

```

usr/lib/systemd/system/emergency.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/emergency.target
usr/lib/systemd/system/emergency.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/final.target
usr/lib/systemd/system/final.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/halt.target
usr/lib/systemd/system/halt.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/kexec.target
usr/lib/systemd/system/kexec.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/local-fs-pre.target
usr/lib/systemd/system/local-fs-pre.target
infra/systemd/local-fs.target                usr/lib/systemd/system/local-fs.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/network-online.target
usr/lib/systemd/system/network-online.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/network.target
usr/lib/systemd/system/network.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/paths.target
usr/lib/systemd/system/paths.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/poweroff.target
usr/lib/systemd/system/poweroff.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/reboot.target
usr/lib/systemd/system/reboot.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/remote-fs.target
usr/lib/systemd/system/remote-fs.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/rescue.service
usr/lib/systemd/system/rescue.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/rescue.target
usr/lib/systemd/system/rescue.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/shutdown.target
usr/lib/systemd/system/shutdown.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/slices.target
usr/lib/systemd/system/slices.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/sockets.target
usr/lib/systemd/system/sockets.target
/usr/lib/systemd/system/systemd-journald.socket
usr/lib/systemd/system/sockets.target.requires/systemd-journald.socket
/usr/lib/systemd/system/systemd-udev-control.socket
usr/lib/systemd/system/sockets.target.requires/systemd-udev-control.socket
/usr/lib/systemd/system/systemd-udev-kernel.socket
usr/lib/systemd/system/sockets.target.requires/systemd-udev-kernel.socket
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/sys-kernel-config.mount
usr/lib/systemd/system/sys-kernel-config.mount
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/sys-kernel-debug.mount
usr/lib/systemd/system/sys-kernel-debug.mount
/usr/lib/systemd/system/dev-hugepages.mount
usr/lib/systemd/system/sysinit.target.wants/dev-hugepages.mount
/usr/lib/systemd/system/dev-mqueue.mount
usr/lib/systemd/system/sysinit.target.wants/dev-mqueue.mount

```

```

/usr/lib/systemd/system/sys-kernel-config.mount
usr/lib/systemd/system/sysinit.target.wants/sys-kernel-config.mount
/usr/lib/systemd/system/sys-kernel-debug.mount
usr/lib/systemd/system/sysinit.target.wants/sys-kernel-debug.mount
/usr/lib/systemd/system/systemd-journal-flush.service
usr/lib/systemd/system/sysinit.target.wants/systemd-journal-flush.service
/usr/lib/systemd/system/systemd-journald.service
usr/lib/systemd/system/sysinit.target.wants/systemd-journald.service
/usr/lib/systemd/system/systemd-modules-load.service
usr/lib/systemd/system/sysinit.target.wants/systemd-modules-load.service
/usr/lib/systemd/system/systemd-sysctl.service
usr/lib/systemd/system/sysinit.target.wants/systemd-sysctl.service
/usr/lib/systemd/system/systemd-tmpfiles-setup-dev.service
usr/lib/systemd/system/sysinit.target.wants/systemd-tmpfiles-setup-dev.service
/usr/lib/systemd/system/systemd-tmpfiles-setup.service
usr/lib/systemd/system/sysinit.target.wants/systemd-tmpfiles-setup.service
/usr/lib/systemd/system/systemd-udev-trigger.service
usr/lib/systemd/system/sysinit.target.wants/systemd-udev-trigger.service
/usr/lib/systemd/system/systemd-udev.service
usr/lib/systemd/system/sysinit.target.wants/systemd-udev.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-halt.service
usr/lib/systemd/system/systemd-halt.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-journal-flush.service
usr/lib/systemd/system/systemd-journal-flush.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-journald-dev-log.socket
usr/lib/systemd/system/systemd-journald-dev-log.socket
infra/systemd/systemd-journald.service.d/visible.conf          usr/lib/systemd/system/systemd-
journald.service.d/visible.conf
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-fsck@.service
usr/lib/systemd/system/systemd-fsck@.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-journald.socket
usr/lib/systemd/system/systemd-journald.socket
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-kexec.service
usr/lib/systemd/system/systemd-kexec.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-modules-load.service
usr/lib/systemd/system/systemd-modules-load.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-poweroff.service
usr/lib/systemd/system/systemd-poweroff.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-reboot.service
usr/lib/systemd/system/systemd-reboot.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-sysctl.service
usr/lib/systemd/system/systemd-sysctl.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-tmpfiles-setup-dev.service
usr/lib/systemd/system/systemd-tmpfiles-setup-dev.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-tmpfiles-setup.service
usr/lib/systemd/system/systemd-tmpfiles-setup.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-udev-settle.service
usr/lib/systemd/system/systemd-udev-settle.service

```

```

linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-udev-trigger.service
usr/lib/systemd/system/systemd-udev-trigger.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-udev-control.socket
usr/lib/systemd/system/systemd-udev-control.socket
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-udev-kernel.socket
usr/lib/systemd/system/systemd-udev-kernel.socket
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/timers.target
usr/lib/systemd/system/timers.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/time-sync.target
usr/lib/systemd/system/time-sync.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/umount.target
usr/lib/systemd/system/umount.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd                usr/lib/systemd/systemd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/systemd-socket-activate        usr/bin/systemd-socket-
activate
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-bootchart
usr/lib/systemd/systemd-bootchart
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-fsck
usr/lib/systemd/systemd-fsck
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-journald        usr/lib/systemd/systemd-
journald
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-modules-load
usr/lib/systemd/systemd-modules-load
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-shutdown
usr/lib/systemd/systemd-shutdown
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-sysctl        usr/lib/systemd/systemd-
sysctl
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-timedated
usr/lib/systemd/systemd-timedated
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-udev          usr/lib/systemd/systemd-
udev
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/udev/rules.d/50-udev-default.rules
usr/lib/udev/rules.d/50-udev-default.rules
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/udev/rules.d/99-systemd.rules
usr/lib/udev/rules.d/99-systemd.rules
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/systemd-analyze                usr/bin/systemd-analyze
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/machine.slice
usr/lib/systemd/system/machine.slice
infra/systemd/systemd-journald.service.d/visible.conf                  usr/lib/systemd/system/systemd-
journald.service.d/visible.conf

infra/systemd/sysctl/inotify-user-instances.conf                      etc/sysctl.d/inotify-user-instances.conf

```

Found in path(s):

* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/systemd-common

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#

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(include all-common)

(include systemd-swrt)

Found in path(s):

* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/all-swrt

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#

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#files related to nfs-statd.service

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/rpc.statd usr/sbin/rpc.statd

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/sm-notify usr/sbin/sm-notify

infra/systemd/nfs-statd.service usr/lib/systemd/system/nfs-statd.service

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/nfsstat usr/sbin/nfsstat

#files related to nfs-idmapd.service

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/rpc.idmapd usr/sbin/rpc.idmapd

infra/systemd/var-lib-nfs-rpc_pipefs.mount usr/lib/systemd/system/var-lib-nfs-rpc_pipefs.mount

plugin nsswitch for rpc.idmapd can not be figure out automatilly by dependency.

The dirctory for plugin is fix to usr/lib/libnfsidmap

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/\${LIB}/libnfsidmap/nsswitch.so usr/lib/libnfsidmap/nsswitch.so

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/etc/idmapd.conf

etc/idmapd.conf

infra/systemd/nfs-idmapd.service usr/lib/systemd/system/nfs-idmapd.service

contrib/initscripts/binos/etc/\${NFS_VER}/nfs-utils.conf etc/nfs-utils.conf

Found in path(s):

* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/nfsv4/nfs-common

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#

This file contains all needed files related to nfs server daemon.

#

infra/systemd/nfs-mountd.service usr/lib/systemd/system/nfs-mountd.service

infra/systemd/nfs-server.service usr/lib/systemd/system/nfs-server.service

infra/systemd/proc-fs-nfsd.mount usr/lib/systemd/system/proc-fs-nfsd.mount

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/exportfs usr/sbin/exportfs

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/rpc.mountd usr/sbin/rpc.mountd

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/rpc.nfsd usr/sbin/rpc.nfsd

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/rpcinfo usr/bin/rpcinfo

(include nfs-common)

The following kernel modules are needed when NFSV4 support is configured

in kernel.

nfsd.ko depend on auth_rpcgss.ko

auth_rpcgss.ko depend on oid_registry.ko

-\${PLATFORM_SYSROOT}/usr/lib/modules/\${KERNEL_VER}/kernel/lib/oid_registry.ko

usr/lib/modules/\${KERNEL_VER}/kernel/lib/oid_registry.ko

\${PLATFORM_SYSROOT}/usr/lib/modules/\${KERNEL_VER}/kernel/net/sunrpc/auth_gss/auth_rpcgss.ko

usr/lib/modules/\${KERNEL_VER}/kernel/net/sunrpc/auth_gss/auth_rpcgss.ko

Found in path(s):

* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/nfsv4/nfs-utils

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#

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This file is to store extra files needed to support NFSV4 client.

#

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/mount.nfs usr/sbin/mount.nfs

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/umount.nfs usr/sbin/umount.nfs

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/mount.nfs4 usr/sbin/mount.nfs4

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/umount.nfs4 usr/sbin/umount.nfs4

contrib/initscripts/binos/etc/\${NFS_VER}/nfsmount.conf etc/nfsmount.conf

\${PLATFORM_SYSROOT}/usr/lib/modules/\${KERNEL_VER}/kernel/fs/nfs/nfsv4.ko

usr/lib/modules/\${KERNEL_VER}/kernel/fs/nfs/nfsv4.ko

(include nfs-common)

Found in path(s):

* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/nfsv4/nfs-utils-client

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(include systemd-common)

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/lib/systemd/system-preset/90-systemd.preset

usr/lib/systemd/system-preset/90-systemd.preset

/usr/lib/systemd/system/tmp.mount

usr/lib/systemd/system/local-

```

fs.target.requires/tmp.mount
infra/systemd/sysinit.target          usr/lib/systemd/system/sysinit.target
infra/systemd/cpld-symlink.service    usr/lib/systemd/system/cpld-symlink.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-journald.service
usr/lib/systemd/system/systemd-journald.service
infra/systemd/systemd-journald.service.d/visible.conf    usr/lib/systemd/system/systemd-
journald.service.d/visible.conf
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-timedated.service
    usr/lib/systemd/system/systemd-timedated.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-udev.service
usr/lib/systemd/system/systemd-udev.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/tmp.mount
usr/lib/systemd/system/tmp.mount

```

Found in path(s):

```

* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/systemd
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```

```

#
# May 2018, Victor Kamensky
#
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#

```

```

linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/auditd          usr/sbin/auditd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/auditdspd       usr/sbin/auditdspd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/auditdtrace     usr/sbin/auditdtrace
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/auditdreport    usr/sbin/auditdreport
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/auditdctl        usr/sbin/auditdctl
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/auditdsearch    usr/sbin/auditdsearch

```

```

contrib/initscripts/binos/etc/audit/auditd.conf          etc/audit/auditd.conf
contrib/initscripts/binos/etc/audit/auditdspd.conf       etc/audit/auditdspd.conf
contrib/initscripts/binos/etc/audit/audit.rules          etc/audit/audit.rules
contrib/initscripts/binos/etc/audit/auditdplugins.d/syslog.conf  etc/audit/auditdplugins.d/syslog.conf
linkfarm/${SYSROOT}${ARCH}${SDK}/etc/default/auditd
    etc/default/auditd
linkfarm/${SYSROOT}${ARCH}${SDK}/etc/libaudit.conf       etc/libaudit.conf

```

Found in path(s):

```

* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/audit
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```

```

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```

```

linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/ipcalc  usr/bin/ipcalc

```

Found in path(s):

* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/ipcalc

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linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/staprun usr/bin/staprun

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/libexec/systemtap/stapio usr/libexec/systemtap/stapio

Found in path(s):

* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/systemtap

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linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/rpc.statd usr/sbin/rpc.statd

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/sm-notify usr/sbin/sm-notify

infra/systemd/nfs-statd.service usr/lib/systemd/system/nfs-statd.service

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/nfsstat usr/sbin/nfsstat

contrib/initscripts/binos/etc/\${NFS_VER}/nfs-utils.conf etc/nfs-utils.conf

Found in path(s):

* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/nfsv3/nfs-common

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linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/dmesg usr/bin/dmesg

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/kill usr/bin/kill

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/mount usr/bin/mount

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/umount usr/bin/umount

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/agetty usr/sbin/agetty

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/blockdev usr/sbin/blockdev

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/cfdisk usr/sbin/cfdisk

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/ctrlaltdel usr/sbin/ctrlaltdel

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/fdisk usr/sbin/fdisk

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/fsck usr/sbin/fsck

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/hwclock usr/sbin/hwclock

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/mkswap usr/sbin/mkswap

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/pivot_root

usr/sbin/pivot_root

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/sfdisk usr/sbin/sfdisk

```

linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/swapoff  usr/sbin/swapoff
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/swapon  usr/sbin/swapon
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/arch     usr/bin/arch
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/cal      usr/bin/cal
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/chrt    usr/bin/chrt
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/col      usr/bin/col
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/colcrt   usr/bin/colcrt
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/colrm    usr/bin/colrm
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/column   usr/bin/column
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/flock    usr/bin/flock
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/getopt   usr/bin/getopt
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/hexdump  usr/bin/hexdump
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/ionice   usr/bin/ionice
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/ipcrm    usr/bin/ipcrm
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/ipcs     usr/bin/ipcs
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/isosize  usr/bin/isosize
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/last     usr/bin/last
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/logger   usr/bin/logger
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/look    usr/bin/look
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/lshblk   usr/bin/lshblk
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/mesg    usr/bin/mesg
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/namei    usr/bin/namei
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/newgrp   usr/bin/newgrp
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/nsenter  usr/bin/nsenter
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/rename  usr/bin/rename
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/renice  usr/bin/renice
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/rev     usr/bin/rev
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/script  usr/bin/script
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/setuid   usr/bin/setuid
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/setterm  usr/bin/setterm
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/taskset  usr/bin/taskset
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/ul      usr/bin/ul
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/wall    usr/bin/wall
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/whereis usr/bin/whereis
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/write   usr/bin/write
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/fdformat usr/sbin/fdformat
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/mkfs   usr/sbin/mkfs
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/raw    usr/sbin/raw
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/zramctl usr/sbin/zramctl

```

Found in path(s):

* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/util-linux

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#

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(include audit)
(include bash)
(include binutils)
(include bridge-utils)
(include busybox)
(include bzip2)
(include coreutils)
(include cpio)
(include dbus)
(include diffutils)
(include dosfstools)
(include e2fsprogs)
(include ethtool)
(include file)
(include filesystem)
(include findutils)
(include gawk)
(include glibc)
(include grep)
(include gzip)
(include initscripts)
(include ipcalc)
(include iproute2)
(include iptables)
(include iputils)
(include kexec-tools)
(include kmod)
(include less)
(include libcap)
(include lsof)
(include modules)
(include ncurses)
(include netbase)
(include netcat)
(include netkit-telnet)
(include net-tools)
(include \${NFS_VER}/nfs-utils-client)
(include pciutils)
(include procps)
(include psmisc)
(include rpcbind)
(include sed)
(include shadow)
(include strace)
(include sysklogd)
(include systemtap)

```
(include sysvinit)
(include
tar)
(include tcpdump)
(include tftp-hpa)
(include traceroute)
(include util-linux)
```

Found in path(s):

```
* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/all-common
```

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```
#
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```

```
(include all-common)
```

```
(include systemd)
```

Found in path(s):

```
* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/all
```

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```
#
# November 2018, Cisco Systems, Inc.
#
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# All rights reserved
#
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/ping      usr/bin/ping
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/tracepath  usr/bin/tracepath
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/in.tftpd-hpa  usr/bin/tftpd
```

Found in path(s):

```
* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/iputils
```

1.301 curl 7.61.1-17.el8

1.301.1 Available under license :

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1.302 zlib 1.2.11-17.el8

1.302.1 Available under license :

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1.303 libsolv 0.7.16-1.el8

1.303.1 Available under license :

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1.304 dnf 4.4.2-2.el8

1.304.1 Available under license :

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```
/*
*-----
* erp_io.c - ERP IO common code
*
* July 2010, Viet Nguyen
*
* Copyright (c) 2010-2011, 2016-2017 by cisco Systems, Inc.
* All rights reserved.
*-----
```


*/

Found in path(s):

* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_io.c

No license file was found, but licenses were detected in source scan.

/*

*-----

* erp_ctrl_ha.c - ERP Controller HA common code

*

* Sep 2010, Ramachandran Ramanujalu

*

* Copyright (c) 2010-2011, 2018-2019 by cisco Systems, Inc.

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_ctrl_ha.c

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#

erp_ring.zn - Oxide rules file

#

June 2018, Gangadhara Valluri

#

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#

name: erp_ring;

type: erp_ring_t;

type: erp_instance_t;

type: erp_port_id_t;

type: erp_profile_t;

type: erp_instance_stats_t;

type: erp_port_info_t;

type: erp_l2req_state_t;

type: erp_raps_encap_t;

type: xos_bitlist_handle;

type: xos_list_t;

type: xos_list_element_t;

Found in path(s):

* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_ring.zn

No license file was found, but licenses were detected in source scan.

/*

```
*-----  
* erp_ctrl_sm.c  
* G.8032 ERP Controller state machine  
*  
* July 2010, Viet Nguyen  
*  
* Copyright (c) 2010-2020 by Cisco Systems, Inc.  
* All rights reserved.  
*-----  
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_ctrl_sm.c  
No license file was found, but licenses were detected in source scan.
```

```
/*  
*-----  
* erp_io.sm - Ethernet Ring Protection Controller state machine  
*  
* June 2010, Viet Nguyen  
*  
* Copyright (c) 2010-2011, 2019 by Cisco Systems, Inc.  
* All rights reserved.  
*-----  
*/
```

```
XOS_SM_EVENTLIST_BEGIN  
XOS_SM_EVENT(init)  
XOS_SM_EVENT(clear)  
XOS_SM_EVENT(fs)  
XOS_SM_EVENT(aps_fs)  
XOS_SM_EVENT(local_sf)  
XOS_SM_EVENT(local_clear_sf)  
XOS_SM_EVENT(aps_sf)  
XOS_SM_EVENT(aps_ms)  
XOS_SM_EVENT(ms)  
XOS_SM_EVENT(wtr_expires)  
XOS_SM_EVENT(wtb_expires)  
XOS_SM_EVENT(aps_nr_rb)  
XOS_SM_EVENT(aps_nr)  
XOS_SM_EVENT(ack)  
XOS_SM_EVENTLIST_END
```

```
/*  
* State machine states  
* - Init,  
* A_Idle,  
* B_Protection,
```

```
* C_ManualSwitch,  
* D_ForcedSwitch,  
* E_Pending  
*/
```

```
XOS_SM_STATE_BEGIN(init)  
  XOS_SM_TRANSITION(init, erp_io_sm_action_init,  
init) /* wait ack */  
  XOS_SM_TRANSITION(ack, erp_io_sm_action_init_ack, E_Pending)  
XOS_SM_STATE_END
```

```
XOS_SM_STATE_BEGIN(A_Idle)  
  XOS_SM_TRANSITION(clear, erp_io_sm_action_null, A_Idle) /* wait ack */  
  XOS_SM_TRANSITION(fs, erp_io_sm_action_fs, A_Idle) /* wait ack */  
  XOS_SM_TRANSITION(aps_fs, erp_io_sm_action_aps_fs, A_Idle) /* wait ack */  
  XOS_SM_TRANSITION(local_sf, erp_io_sm_action_local_sf, A_Idle) /* wait ack */  
  XOS_SM_TRANSITION(local_clear_sf, erp_io_sm_action_null, A_Idle) /* wait ack */  
  XOS_SM_TRANSITION(aps_sf, erp_io_sm_action_aps_sf, A_Idle) /* wait ack */  
  XOS_SM_TRANSITION(aps_ms, erp_io_sm_action_aps_ms, A_Idle) /* wait ack */  
  XOS_SM_TRANSITION(ms, erp_io_sm_action_ms, A_Idle) /* wait ack */  
  XOS_SM_TRANSITION(wtr_expires, erp_io_sm_action_null, A_Idle) /* wait ack */  
  XOS_SM_TRANSITION(wtb_expires, erp_io_sm_action_null, A_Idle) /* wait ack */  
  XOS_SM_TRANSITION(aps_nr_rb, erp_io_sm_action_aps_nr_rb, A_Idle) /* wait ack  
*/  
  XOS_SM_TRANSITION(aps_nr, erp_io_sm_action_aps_nr, A_Idle) /* wait ack */  
  XOS_SM_TRANSITION(ack, erp_io_sm_action_A_Idle_ack, A_Idle)  
  XOS_SM_TRANSITION(init, erp_io_sm_action_init, init) /* wait ack */  
XOS_SM_STATE_END
```

```
XOS_SM_STATE_BEGIN(B_Protection)  
  XOS_SM_TRANSITION(clear, erp_io_sm_action_null, B_Protection)  
  XOS_SM_TRANSITION(fs, erp_io_sm_action_fs, B_Protection) /* wait ack */  
  XOS_SM_TRANSITION(aps_fs, erp_io_sm_action_aps_fs, B_Protection) /* wait ack */  
  XOS_SM_TRANSITION(local_sf, erp_io_sm_action_local_sf, B_Protection) /* wait ack */  
  XOS_SM_TRANSITION(local_clear_sf, erp_io_sm_action_local_clear_sf, B_Protection) /* wait ack */  
  XOS_SM_TRANSITION(aps_sf, erp_io_sm_action_null, B_Protection) /* wait ack */  
  XOS_SM_TRANSITION(aps_ms, erp_io_sm_action_null, B_Protection) /* wait ack */  
  XOS_SM_TRANSITION(ms, erp_io_sm_action_null, B_Protection) /* wait ack */  
  XOS_SM_TRANSITION(wtr_expires, erp_io_sm_action_null, B_Protection) /* wait  
ack */  
  XOS_SM_TRANSITION(wtb_expires, erp_io_sm_action_null, B_Protection) /* wait ack */  
  XOS_SM_TRANSITION(aps_nr_rb, erp_io_sm_action_null, B_Protection) /* wait ack */  
  XOS_SM_TRANSITION(aps_nr, erp_io_sm_action_aps_nr, B_Protection) /* wait ack */  
  XOS_SM_TRANSITION(ack, erp_io_sm_action_B_Protection_ack, B_Protection)  
  XOS_SM_TRANSITION(init, erp_io_sm_action_init, init) /* wait ack */  
XOS_SM_STATE_END
```

```
XOS_SM_STATE_BEGIN(C_ManualSwitch)
```

```

XOS_SM_TRANSITION(clear, erp_io_sm_action_clear, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(fs, erp_io_sm_action_fs, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_fs, erp_io_sm_action_aps_fs, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(local_sf, erp_io_sm_action_local_sf, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(local_clear_sf, erp_io_sm_action_null, C_ManualSwitch)
XOS_SM_TRANSITION(aps_sf, erp_io_sm_action_aps_sf, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_ms, erp_io_sm_action_aps_ms,
C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(ms, erp_io_sm_action_null, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(wtr_expires, erp_io_sm_action_null, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(wtb_expires, erp_io_sm_action_null, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_nr_rb, erp_io_sm_action_null, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_nr, erp_io_sm_action_aps_nr, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(ack, erp_io_sm_action_C_ManualSwitch_ack, C_ManualSwitch)
XOS_SM_TRANSITION(init, erp_io_sm_action_init, init) /* wait ack */
XOS_SM_STATE_END

XOS_SM_STATE_BEGIN(D_ForcedSwitch)
XOS_SM_TRANSITION(clear, erp_io_sm_action_clear, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(fs, erp_io_sm_action_fs, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_fs, erp_io_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(local_sf, erp_io_sm_action_null, D_ForcedSwitch)
/* wait ack */
XOS_SM_TRANSITION(local_clear_sf, erp_io_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_sf, erp_io_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_ms, erp_io_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(ms, erp_io_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(wtr_expires, erp_io_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(wtb_expires, erp_io_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_nr_rb, erp_io_sm_action_aps_nr_rb, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_nr, erp_io_sm_action_aps_nr, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(ack, erp_io_sm_action_D_ForcedSwitch_ack, D_ForcedSwitch)
XOS_SM_STATE_END

XOS_SM_STATE_BEGIN(E_Pending)
XOS_SM_TRANSITION(clear, erp_io_sm_action_clear, E_Pending) /* wait ack */
XOS_SM_TRANSITION(fs, erp_io_sm_action_fs, E_Pending) /* wait ack */
XOS_SM_TRANSITION(aps_fs, erp_io_sm_action_aps_fs, E_Pending) /* wait ack */
XOS_SM_TRANSITION(local_sf, erp_io_sm_action_local_sf, E_Pending) /* wait ack */
XOS_SM_TRANSITION(local_clear_sf, erp_io_sm_action_null, E_Pending) /* wait ack */
XOS_SM_TRANSITION(aps_sf, erp_io_sm_action_aps_sf, E_Pending) /* wait ack */
XOS_SM_TRANSITION(aps_ms, erp_io_sm_action_aps_ms, E_Pending) /* wait ack */
XOS_SM_TRANSITION(ms, erp_io_sm_action_ms, E_Pending) /* wait ack */
XOS_SM_TRANSITION(wtr_expires, erp_io_sm_action_wtr_expires, E_Pending) /* wait ack */
XOS_SM_TRANSITION(wtb_expires, erp_io_sm_action_wtb_expires, E_Pending) /* wait ack */
XOS_SM_TRANSITION(aps_nr_rb, erp_io_sm_action_aps_nr_rb, E_Pending) /* wait ack */
XOS_SM_TRANSITION(aps_nr, erp_io_sm_action_aps_nr, E_Pending) /* wait ack */
XOS_SM_TRANSITION(ack, erp_io_sm_action_E_Pending_ack, E_Pending)

```

XOS_SM_STATE_END

Found in path(s):

* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_io.sm

No license file was found, but licenses were detected in source scan.

/*

*-----

* erp_pdb.h

* G.8032 Profile Database

*

* July 2010, Mark Bilstad

*

* Copyright (c) 2010-2012, 2019 by Cisco Systems, Inc.

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_pdb.c

No license file was found, but licenses were detected in source scan.

/*

*-----

* erp_common.c - ERP common code

*

* July 2010, Viet Nguyen

*

* Copyright (c) 2010-2011 by cisco Systems, Inc.

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_common.c

No license file was found, but licenses were detected in source scan.

/*

*-----

* erp_debug.c - G.8032 Ethernet Ring Protection debug routines

*

* June 2010, Viet Nguyen

*

* Copyright (c) 2010-2012, 2019 by Cisco Systems, Inc.

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_debug.c

No license file was found, but licenses were detected in source scan.

/*

*-----

* erp_io_pak.c - ERP IO packet handling source file

*

* August 2010, Ramachandran Ramanujalu

*

* Copyright (c) 2010-2014 by cisco Systems, Inc.

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_io_pak.c

No license file was found, but licenses were detected in source scan.

/*

*-----

* erp_ctrl.sm - Ethernet Ring Protection Controller state machine

*

* June 2010, Viet Nguyen

*

* Copyright (c) 2010-2011, 2019 by Cisco Systems, Inc.

* All rights reserved.

*-----

*/

XOS_SM_EVENTLIST_BEGIN

XOS_SM_EVENT(init)

XOS_SM_EVENT(clear)

XOS_SM_EVENT(fs)

XOS_SM_EVENT(aps_fs)

XOS_SM_EVENT(local_sf)

XOS_SM_EVENT(local_clear_sf)

XOS_SM_EVENT(aps_sf)

XOS_SM_EVENT(aps_ms)

XOS_SM_EVENT(ms)

XOS_SM_EVENT(wtr_expires)

XOS_SM_EVENT(wtb_expires)

XOS_SM_EVENT(aps_nr_rb)

XOS_SM_EVENT(aps_nr)

XOS_SM_EVENT(ack)

XOS_SM_EVENTLIST_END

/*

* State machine states
* - Init,
* A_Idle,
* B_Protection,
* C_ManualSwitch,
* D_ForcedSwitch,
* E_Pending
*/

XOS_SM_STATE_BEGIN(init)

XOS_SM_TRANSITION(init, erp_ctrl_sm_action_init,
init) /* wait ack */

XOS_SM_TRANSITION(ack, erp_ctrl_sm_action_init_ack, E_Pending)

XOS_SM_STATE_END

XOS_SM_STATE_BEGIN(A_Idle)

XOS_SM_TRANSITION(clear, erp_ctrl_sm_action_null, A_Idle) /* wait ack */

XOS_SM_TRANSITION(fs, erp_ctrl_sm_action_fs, A_Idle) /* wait ack */

XOS_SM_TRANSITION(aps_fs, erp_ctrl_sm_action_aps_fs, A_Idle) /* wait ack */

XOS_SM_TRANSITION(local_sf, erp_ctrl_sm_action_local_sf, A_Idle) /* wait ack */

XOS_SM_TRANSITION(local_clear_sf, erp_ctrl_sm_action_null, A_Idle) /* wait ack */

XOS_SM_TRANSITION(aps_sf, erp_ctrl_sm_action_aps_sf, A_Idle) /* wait ack */

XOS_SM_TRANSITION(aps_ms, erp_ctrl_sm_action_aps_ms, A_Idle) /* wait ack */

XOS_SM_TRANSITION(ms, erp_ctrl_sm_action_ms, A_Idle) /* wait ack */

XOS_SM_TRANSITION(wtr_expires, erp_ctrl_sm_action_null, A_Idle) /* wait ack */

XOS_SM_TRANSITION(wtb_expires, erp_ctrl_sm_action_null, A_Idle) /* wait ack */

XOS_SM_TRANSITION(aps_nr_rb, erp_ctrl_sm_action_aps_nr_rb,

A_Idle) /* wait ack */

XOS_SM_TRANSITION(aps_nr, erp_ctrl_sm_action_aps_nr, A_Idle) /* wait ack */

XOS_SM_TRANSITION(ack, erp_ctrl_sm_action_A_Idle_ack, A_Idle)

XOS_SM_TRANSITION(init, erp_ctrl_sm_action_init, init) /* wait ack */

XOS_SM_STATE_END

XOS_SM_STATE_BEGIN(B_Protection)

XOS_SM_TRANSITION(clear, erp_ctrl_sm_action_null, B_Protection) /* wait ack */

XOS_SM_TRANSITION(fs, erp_ctrl_sm_action_fs, B_Protection) /* wait ack */

XOS_SM_TRANSITION(aps_fs, erp_ctrl_sm_action_aps_fs, B_Protection) /* wait ack */

XOS_SM_TRANSITION(local_sf, erp_ctrl_sm_action_local_sf,

B_Protection) /* wait ack */

XOS_SM_TRANSITION(local_clear_sf, erp_ctrl_sm_action_local_clear_sf,

B_Protection) /* wait ack */

XOS_SM_TRANSITION(aps_sf, erp_ctrl_sm_action_null, B_Protection) /* wait ack */

XOS_SM_TRANSITION(aps_ms, erp_ctrl_sm_action_null, B_Protection) /* wait ack */

XOS_SM_TRANSITION(ms, erp_ctrl_sm_action_null,

B_Protection) /* wait ack */

XOS_SM_TRANSITION(wtr_expires, erp_ctrl_sm_action_null, B_Protection) /* wait ack */

XOS_SM_TRANSITION(wtb_expires, erp_ctrl_sm_action_null, B_Protection) /* wait ack */

XOS_SM_TRANSITION(aps_nr_rb, erp_ctrl_sm_action_null, B_Protection) /* wait ack */

```

XOS_SM_TRANSITION(aps_nr, erp_ctrl_sm_action_aps_nr, B_Protection) /* wait ack */
XOS_SM_TRANSITION(ack, erp_ctrl_sm_action_B_Protection_ack, B_Protection)
XOS_SM_TRANSITION(init, erp_ctrl_sm_action_init, init) /* wait ack */
XOS_SM_STATE_END

XOS_SM_STATE_BEGIN(C_ManualSwitch)
XOS_SM_TRANSITION(clear, erp_ctrl_sm_action_clear, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(fs, erp_ctrl_sm_action_fs, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_fs, erp_ctrl_sm_action_aps_fs,
    C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(local_sf, erp_ctrl_sm_action_local_sf,
    C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(local_clear_sf,
erp_ctrl_sm_action_null, C_ManualSwitch)
XOS_SM_TRANSITION(aps_sf, erp_ctrl_sm_action_aps_sf,
    C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_ms, erp_ctrl_sm_action_aps_ms, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(ms, erp_ctrl_sm_action_null, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(wtr_expires, erp_ctrl_sm_action_null, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(wtb_expires, erp_ctrl_sm_action_null, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_nr_rb, erp_ctrl_sm_action_null, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_nr, erp_ctrl_sm_action_aps_nr, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(ack, erp_ctrl_sm_action_C_ManualSwitch_ack,
    C_ManualSwitch)
XOS_SM_STATE_END

XOS_SM_STATE_BEGIN(D_ForcedSwitch)
XOS_SM_TRANSITION(clear, erp_ctrl_sm_action_clear, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(fs, erp_ctrl_sm_action_fs, D_ForcedSwitch)
/* wait ack */
XOS_SM_TRANSITION(aps_fs, erp_ctrl_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(local_sf, erp_ctrl_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(local_clear_sf, erp_ctrl_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_sf, erp_ctrl_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_ms, erp_ctrl_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(ms, erp_ctrl_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(wtr_expires, erp_ctrl_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(wtb_expires, erp_ctrl_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_nr_rb, erp_ctrl_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_nr, erp_ctrl_sm_action_aps_nr, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(ack, erp_ctrl_sm_action_D_ForcedSwitch_ack,
    D_ForcedSwitch)
XOS_SM_STATE_END

XOS_SM_STATE_BEGIN(E_Pending)
XOS_SM_TRANSITION(clear, erp_ctrl_sm_action_clear, E_Pending) /* wait ack */
XOS_SM_TRANSITION(fs, erp_ctrl_sm_action_fs, E_Pending) /* wait ack */
XOS_SM_TRANSITION(aps_fs, erp_ctrl_sm_action_aps_fs, E_Pending) /* wait ack */

```



```
XOS_SM_TRANSITION(local_sf, erp_ctrl_sm_action_local_sf,
    E_Pending) /* wait ack */
XOS_SM_TRANSITION(local_clear_sf, erp_ctrl_sm_action_null, E_Pending) /* wait ack */
XOS_SM_TRANSITION(aps_sf, erp_ctrl_sm_action_aps_sf, E_Pending) /* wait ack */
XOS_SM_TRANSITION(aps_ms, erp_ctrl_sm_action_aps_ms, E_Pending) /* wait ack */
XOS_SM_TRANSITION(ms, erp_ctrl_sm_action_ms, E_Pending) /* wait ack */
XOS_SM_TRANSITION(wtr_expires, erp_ctrl_sm_action_wtr_expires,
    E_Pending) /* wait ack */
XOS_SM_TRANSITION(wtb_expires, erp_ctrl_sm_action_wtb_expires,
    E_Pending) /* wait ack */
XOS_SM_TRANSITION(aps_nr_rb, erp_ctrl_sm_action_aps_nr_rb,
    E_Pending) /* wait ack */
XOS_SM_TRANSITION(aps_nr, erp_ctrl_sm_action_aps_nr, E_Pending) /* wait ack */
XOS_SM_TRANSITION(ack, erp_ctrl_sm_action_E_Pending_ack, E_Pending)
XOS_SM_TRANSITION(init, erp_ctrl_sm_action_init, init) /* wait ack */
XOS_SM_STATE_END
```

Found in path(s):

* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_ctrl.sm

No license file was found, but licenses were detected in source scan.

```
/*
*-----
* erp_ctrl.c - ERP Controller common code
*
* July 2010, Viet Nguyen
*
* Copyright (c) 2010-2014, 2016-2019, 2021 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_ctrl.c

No license file was found, but licenses were detected in source scan.

```
/*
*-----
* erp_ridb.c
* G.8032 Ring/Instance Database
*
* July 2010, Mark Bilstad
*
* Copyright (c) 2010-2014, 2016, 2019 by Cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_ridb.c

No license file was found, but licenses were detected in source scan.

/*

*-----

* erp_io_ha.c - ERP IO HA common code

*

* Sep 2010, Ramachandran Ramanujalu

*

* Copyright (c) 2010-2011 by cisco Systems, Inc.

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_io_ha.c

No license file was found, but licenses were detected in source scan.

/*

*-----

* erp_cfg_parser.c - ERP config parser code

*

* August 2011

*

* Copyright (c) 2011-2012, 2016-2017, 2019 by cisco Systems, Inc.

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_cfg_parser.c

No license file was found, but licenses were detected in source scan.

/*

*-----

* erp_io_sm.c

* G.8032 ERP IO state machine

*

* July 2010, Viet Nguyen

*

* Copyright (c) 2010-2012, 2014-2017, 2019 by Cisco Systems, Inc.

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_io_sm.c

No license file was found, but licenses were detected in source scan.

```
/*
*-----
* erp_pd_caps_stubs.c - ERP Controller stub file
*
* July 2010, Ramachandran Ramanujalu
*
* Copyright (c) 2010-2011 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_pd_caps_stubs.c

1.305 util-linux 2.32.1-26.el8

1.305.1 Available under license :

| NR | START | END | SECTORS | SIZE | NAME | UUID |
|----|-------|-------|---------|------|-------------|------|
| 1 | 32 | 7679 | 7648 | 3.7M | 8f8378c0-01 | |
| 2 | 7680 | 16383 | 8704 | 4.3M | 8f8378c0-02 | |
| 5 | 7936 | 12799 | 4864 | 2.4M | | |
| 6 | 12544 | 16127 | 3584 | 1.8M | | |

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Version 2.1, February 1999

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```

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```
WEV @@ WEV[B "1
```

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x ?"U@,5 @mISmIN<GimCN7g1u|E
43mI,5WEV @@ WEV @mImImIAmImImI0mImImI*mImI
A0mImImI...
lost+found...

;9GimCN7g

!"#\$%&'()*+,-
./0123456789;:<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~

!"#\$%&'()*+,-
./0123456789;:<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~

!"#\$%&'()*+,-
./0123456789;:<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~

!"#\$%&'()*+,-
./0123456789;:<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~WEV @@
WEV[B "1

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*/

1.306 libpwquality 1.4.4-1.el8

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```
/*  
* pw_const.tph  
*  
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*/
```

```
@DIRECTIVES{  
    auto_import_stg = false;  
    skip_auto_tdl_include = true;  
}@
```

```
@IMPORT_STG{  
    import "constant_gen.stg";  
}@
```

```
@TDL{  
    import "pw_const.tdl"  
}@
```

```
@CODE{
```

```
#ifndef __TDLC_GEN_PW_CONST_H__  
#define __TDLC_GEN_PW_CONST_H__
```

```
    $constant_generate()$
```

```
#endif /* __TDLC_GEN_PW_CONST_H__ */
```

```
@
```

Found in path(s):

* /opt/cola/permits/1130450000_1615189192.83/0/pw-tar/pw/include/pw_const.tph

No license file was found, but licenses were detected in source scan.

```
/*  
* pw.c
```

```
*
* AAA password routines, adopted from IOX
*
* January 2005, Naiming Shen
* July 2005, Craig MacFarlane
*
* Copyright (c) 2005, 2007, 2010, 2014-2015, 2018 by cisco Systems, Inc.
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*
*-----
* pw.c -- password encryption/decryption routines
*
* May 08 2000, Mark Eklund
*
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*-----
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450000_1615189192.83/0/pw-tar/pw/src/pw.c
No license file was found, but licenses were detected in source scan.
```

```
/*
* pw.h
*
* Password routines, adopted from IOX
*
* May 2000 Mark Eklund
* July 2005, Craig MacFarlane
*
* Copyright (c) 2000-2005, 2007, 2010, 2014, 2018 by cisco Systems, Inc.
* All rights reserved.
*/
/*
* edt: * pw_type_t
* Possible formats of saving the password in SysDB.
*
* item: PW_TYPE_CLEAR
* The password in the clear, visible for anybody.
*
* item: PW_TYPE_1WAY
* The password encrypted to an MD5 digest. This is not reversible.
*
* item: PW_TYPE_1WAY_2
* The password encrypted to an sha256 digest. This is not reversible.
*
* item: PW_TYPE_2WAY
```


* The Cisco type 7 password encryption. This is reversible
* by both Cisco products and several public domain programs.
*/

Found in path(s):

* /opt/cola/permits/1130450000_1615189192.83/0/pw-tar/pw/include/pw.h
No license file was found, but licenses were detected in source scan.

/*

* pw_defs.h

*

* Password defines.

*

* July 2005, Craig MacFarlane

*

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*

*/

Found in path(s):

* /opt/cola/permits/1130450000_1615189192.83/0/pw-tar/pw/include/pw_defs.h
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Found in path(s):

* /opt/cola/permits/1130450000_1615189192.83/0/pw-tar/pw/Makefile.bin

1.307 shadow-utils 4.6-12.el8

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* /opt/cola/permits/1130449954_1615183583.0/0/shadow-tar/shadow/Makefile
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/*

* \$Id: port.c 1.11 Broadcom SDK \$

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* File: port.c

* Purpose: Manages untagged priority setting for port

*/

Found in path(s):

* /opt/cola/permits/1130449954_1615183583.0/0/shadow-tar/shadow/port.c

1.308 python 3.6.8-34.el8

1.308.1 Available under license :

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```
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```

Found in path(s):

```
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/element/AppEvent.py
```

```
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/element/CLIEvent.py
```

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```
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```

Found in path(s):

```
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/core/util/win_inet_pton.py
```

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```
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```

Found in path(s):

```
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/container/cshandler.py
```

```
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/policy/FirewallService.py
```

```
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/policy/nat.py
```

```
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/pfr/pfr_test.py
```

```
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/pfr/pfrconfig.py
```

```
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/pfr/pfroper.py
```

```
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/sample.py
```

```
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/advancedrouting/config.py
```

```
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/container/cs.py
```

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```

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```

```
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```

```
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```

```
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```

Found in path(s):

```
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/thrift/TSerialization.py
```

```
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/thrift/server/__init__.py
```

```
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/thrift/protocol/TProtocol.py
```

```
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/thrift/server/TProcessPoolServer.py
```

```
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/thrift/protocol/TBase.py
```

```
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/thrift/Thrift.py
```

```
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/thrift/transport/TTwisted.py
```

```
*
```

/opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/thrift/transport/TTransport.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/thrift/server/TServer.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/thrift/protocol/TBinaryProtocol.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/thrift/protocol/TCompactProtocol.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/thrift/transport/__init__.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/thrift/transport/TSSLSocket.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/thrift/TCons.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/thrift/server/TNonblockingServer.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/thrift/transport/THttpClient.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/thrift/transport/TSocket.py
*

/opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/thrift/__init__.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/thrift/transport/TZlibTransport.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/thrift/server/THttpServer.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/thrift/protocol/__init__.py

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* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/policy/L2Acl.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/ntp/ntp_Test.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/policyservice/caps.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/dhcp/__init__.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/core/util/Version.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/core/util/dns.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/aaa/OnepAAAAttributeType.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/InterfaceAddressChangeEvent.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/InterfaceFilter.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/policy/L3Acl.py
*
/opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/InterfaceCreateDeleteListener.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/core/event/EventManager.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/InterfaceStatus.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/tools/release_Acl.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/tunnels/__init__.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/policyservice/__init__.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/InterfaceStatisticsListener.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/element/ConnectionEvent.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/core/event/KeepaliveMonitor.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/element/FRU.py
*
/opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/core/exception/ConfigFailedException.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/policy/utest_l2_acl.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/container/csevent.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/aaa/AddressAttribute.py

* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/element/AppListener.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/core/util/LicensingService.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/applmgmt/__init__.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/location/location.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/crypto/test_ike.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/InterfaceAddressChangeFilter.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/crypto/__init__.py
 *
 /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/policy/utest_l3_acl.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/element/SyslogFilter.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/tunnels/__init__.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/element/SessionHandle.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/__init__.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/crypto/ipsec.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/crypto/ike.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/core/exception/OnepIllegalArgumentException.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/policy/__init__.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/mediatrace/__init__.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/policy/utest_filter_acl.py
 *
 /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/core/util/Period.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/core/event/EventListener.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/interfaces/__init__.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/routing/__init__.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/applmgmt/__init__.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/InterfaceStatisticsFilter.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/core/__init__.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/InterfaceStateListener.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/element/CLIListener.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/policyservice/statistics.py
 *
 /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/InterfaceMtuListener.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/routing/vrf.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/core/util/ntp.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/element/element_tls_Test.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/cdp/CDPListener.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/tunnels/tunnel.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/NetworkPrefix.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/location/__init__.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/element/ConnectionListener.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/thrift/transport/TTIPCSocket.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/vty/__init__.py
 *
 /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/core/event/EventObject.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/element/ElementProperty.py
 * /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/core/util/logger.py

```

* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/policy/Acl.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/policyservice/bulk_qos_test.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/element/AppFilter.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/policyservice/classmap.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/InterfaceStatisticsEvent.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/element/NetworkApplication.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/InterfaceStateEvent.py
*
/opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/element/ElementConfig.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/aaa/Attribute.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/tools/ADT_setup.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/aaa/IntAttribute.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/core/util/HostIpCheck.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/tools/release_L3Acl.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-
tar/python/onep/interfaces/InterfaceCreateDeleteEvent.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/element/SyslogEvent.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/core/exception/OnepException.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/core/licensing/licensing_test.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/policyservice/match.py
*
/opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/element/SessionStatistics.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/aaa/Server.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/core/exception/__init__.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/topology/__init__.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/discovery/__init__.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/policyservice/policymap.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/policyservice/target.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/policyservice/action_test.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/setup.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/licensing/licensing_Test.py
*
/opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/core/event/EventFilter.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-
tar/python/onep/core/exception/OnepConnectionException.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/core/event/AsyncMsg.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/tools/customer_setup.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/InterfaceProperty.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/element/element_Test.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/element/SessionConfig.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/container/__init__.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/core/util/batch_helper.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/aaa/User.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/vty/VtyListener.py
*
/opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/policyservice/bulk.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/aaa/StringAttribute.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-

```

```

tar/python/onep/core/exception/OnepDuplicateElementException.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/discovery/__init__.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/internal.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/vty/VtyService.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/cdp/CDPEvent.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/core/util/__init__.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/identity/identity.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/interfacestatspoll.py
*
/opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/policy/__init__.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/policy/L3Ace.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/vty/__init__.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/discovery/ServiceSetDescription.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/vty/VtyData.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/vty/VtyProxy.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/routing/__init__.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-
tar/python/onep/interfaces/InterfaceBandwidthListener.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/vty/util.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/InterfaceVrfListener.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/__init__.py
*
/opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/NetworkInterface.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/cdp/__init__.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/container/csdata.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/core/__init__.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/thrift/transport/CiscoTSSLSocket.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/aaa/BinaryAttribute.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/element/NetworkElement.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/dhcp/dhcp_Test.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/element/__init__.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/topology/__init__.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/core/util/OnepConstants.py
*
/opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/InterfaceStatistics.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/aaa/__init__.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-
tar/python/onep/interfaces/InterfaceAddressChangeListener.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/tools/release_vty_proxy.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-
tar/python/onep/core/exception/OnepInvalidSettingsException.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/element/SyslogListener.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/policy/L2Ace.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/dhcp/__init__.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/tools/internal_setup.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/core/util/socket_imp.py
*

```

```
/opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/crypto/__init__.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/InterfaceVlanListener.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/InterfaceConfig.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-
tar/python/onep/core/exception/OnePRemoteProcedureException.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/routing/router.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/pfr/__init__.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/crypto/crypto.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/cdp/CDPFilter.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/Vlan.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/InterfaceCreateDeleteFilter.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/element/SessionProperty.py
*
/opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/mediatrace/__init__.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/core/event/EventDispatcher.py
No license file was found, but licenses were detected in source scan.
```

<url><http://www.apache.org/licenses/LICENSE-2.0.txt></url>

Found in path(s):

```
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/lib/ant/pyanttasks-1-3-3-jar/META-
INF/maven/org.pyant.tasks/pyAntTasks/pom.xml
No license file was found, but licenses were detected in source scan.
```

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Found in path(s):

```
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/element/OIRFilter.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/element/OIREvent.py
No license file was found, but licenses were detected in source scan.
```

epilog = 'Copyright(c) 2014 Cisco Systems, Inc. All Rights Reserved')

Found in path(s):

```
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/basetest.py
No license file was found, but licenses were detected in source scan.
```

```
/*-----
* README
*
* Cisco ONE-P Python SDK
*
* Copyright (c) 2011-2014 by Cisco Systems, Inc.
* All rights reserved.
*-----
*/
```


Introduction:

The APIs contained in these modules allow the developer to design controller applications that interface to compatible Cisco network elements. These applications will be able to configure the element and retrieve statistics.

WARNING:

It is suggested that the developer be very knowledgeable of the network element configuration before applying. You can bring down a production network with the wrong setup!

onePK Python API Reference:

The onePK Python API Reference is provided in HTML format and can be found in the docs directory. Open the index.html with a web browser.

Installing Modules

Must

have Python version 2.7.

From root of uncompressed directory type:

```
python setup.py install
```

This will install the SDK modules in the standard directory.

If you wish to locate the modules into a custom directory:

```
python setup.py install --prefix="<your custom directory>"
```

Alternatively, pip can be used to install the SDK.

```
pip install <sdk_tar>
```

Pip can also be used to uninstall the sdk

```
pip uninstall onep-python-sdk
```

This will install the SDK modules in :

```
<your custom directory>/lib/python2.7/site-packages/onep
```

Be sure that your custom directory is included in the PYTHONPATH.

Creating Application

Must have a Cisco network device capable of communicating with ONE-P APIs. Network Element must also have onep configured with the socket transport and have the correct onep services activated. A network interface must be configured with a valid IP address and pingable.

First step to communicate with network element is to connect. See `sample.py` for a very basic example. You should be able to run:

```
./sample.py
```

Usage:

```
sample.py -a <element address or FQDN> [-t <transport_type>] \  
  [-C <client cert file> -K <client private key file> \  
  -R <root certificates file>]
```

-a <ip_addr or FQDN> Network element's IP Address or Fully Qualified Domain Name
-t <tls|tipc> Transport type. Default is TLS connection
-C <clientcert.pem> Client certificate file required TLS connection
 (default location ./clientcert.pem)
-K <clientkey.pem> Client private key file required for TLS connection
 (default location ./clientkey.pem)
-R <nerootca.pem> Root certificate file required for TLS connection
 (default location ./nerootca.pem)

The application will prompt the user to enter username and password that are configured on the network element you are connecting to.

For more information on how to use TLS connection please refer to the

Getting Started Guide.

Happy Scripting!

Found in path(s):

```
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/README
```

No license file was found, but licenses were detected in source scan.

```
# All rights reserved.
```

Found in path(s):

```
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/routing/RouterTest.py
```

```
* /opt/cola/permits/1130449986_1615182707.44/0/python-
```

tar/python/onep/applmgmt/ApplicationExecCliListener.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/mediatrace/mtrace.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/dhcp/dhcp.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-
tar/python/onep/applmgmt/ApplicationConfigCliListener.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/routing/PSSession.py
No license file was found, but licenses were detected in source scan.

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Found in path(s):

* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/core/tlspinningtest.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/core/enumtest.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/core/util/tlspinning.py
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Found in path(s):

* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/discovery/DiscoveryListener.py
No license file was found, but licenses were detected in source scan.

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Found in path(s):

* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/routing/AppRouteTable.py
No license file was found, but licenses were detected in source scan.

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Found in path(s):

* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/element/CLIFilter.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/element/OIRListener.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/element/ConnectionProperty.py
No license file was found, but licenses were detected in source scan.

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Found in path(s):

* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/policyservice/action.py
No license file was found, but licenses were detected in source scan.

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Found in path(s):

* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/routing/RoutingServiceStatusListener.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-
tar/python/onep/routing/UpdateRouteResponseListener.py

```
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/topology/TopologyListener.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/routing/RouteRange.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/routing/RouteOperation.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/routing/RIBFilter.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/routing/L3UnicastRouteOperation.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/routing/RIBRouteStateListener.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/routing/ARTRouteStateListener.py
*
/opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/routing/NextHop.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/routing/ReplayRouteEventListener.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/routing/L3UnicastRouteRange.py
No license file was found, but licenses were detected in source scan.
```

```
# All rights reserved.
```

```
Found in path(s):
```

```
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/interfaces/StatisticsListeners_Test.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/interfaces/AddressChangeEvent_Test.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/InterfaceVrfFilter.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/interfaces/InterfaceFilter_Test.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/applmgmt/CliExtension_Test.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/interfaces/NetworkInterface_Test.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/InterfaceMtuEvent.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/applmgmt/ApplicationCli.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-
tar/python/test/interfaces/InterfaceCreateDeleteEvent_Test.py
*
/opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/interfaces/InterfaceStateEvent_Test.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-
tar/python/test/interfaces/InterfaceStatisticsEvent_Test.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/interfaces/InterfaceStatisticsFilter_Test.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/InterfaceBandwidthEvent.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-
tar/python/test/interfaces/InterfaceVlanChangeEvent_Test.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/test/interfaces/InterfaceMTUEvent_Test.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/InterfaceVlanEvent.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/applmgmt/ApplicationCliData.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/InterfaceMtuFilter.py
*
/opt/cola/permits/1130449986_1615182707.44/0/python-
tar/python/test/interfaces/InterfaceCreateDeleteFilter_Test.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-
tar/python/test/interfaces/InterfaceAddressChangeFilter_Test.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/InterfaceVrfEvent.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/InterfaceVlanFilter.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-
tar/python/test/interfaces/InterfaceVrfChangeEvent_Test.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-
```

```
tar/python/test/interfaces/InterfaceBandwidthEvent_Test.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/interfaces/InterfaceBandwidthFilter.py
No license file was found, but licenses were detected in source scan.

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```

Found in path(s):

```
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/topology/Node.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/routing/RIB.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/routing/Scope.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/topology/TopologyFilter.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/routing/RoutingServiceStatusEvent.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/routing/UpdateRouteResponse.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/topology/Edge.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/routing/L3UnicastNextHop.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/topology/TopologyClass.py
*
/opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/routing/L3UnicastRoute.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/routing/RoutingClass.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/routing/L3UnicastRIBFilter.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/topology/TopologyEvent.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/core/util/IdlConverter.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/topology/NodeConnector.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/routing/RIBRouteStateEvent.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/routing/Route.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/topology/Graph.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/routing/ReplayRouteEvent.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/routing/ARTRouteStateEvent.py
*
/opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/routing/L3UnicastScope.py
No license file was found, but licenses were detected in source scan.
```

```
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```

Found in path(s):

```
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/discovery/DiscoveryEvent.py
* /opt/cola/permits/1130449986_1615182707.44/0/python-tar/python/onep/discovery/DiscoveryFilter.py
```

1.309 gzip 1.9-11.el8

1.309.1 Available under license :

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```
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```

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```
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```

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<signature of Ty Coon>, 1 April 1989

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a)

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1.311 libxslt 1.1.32-6.el8

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1.312 iproute 5.9.0-1.el8

1.312.1 Available under license :

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```
/*
*-----
* msg_iproute.c - Message file for iproute facility
*
* July 17, 1990, Kevin Paul Herbert
*
* Copyright (c) 1990-2013, 2015-2017, 2019 by Cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/msg_iproute.rc
```

No license file was found, but licenses were detected in source scan.

```
/*-----
* router_af_actions_registry.c
*
* Router address family actions registry.
*
* May 2002, Victor Kamensky
*
* Copyright (c) 2002-2004, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
```

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/router_af_actions_registry.c

No license file was found, but licenses were detected in source scan.

/* \$id: iprouting_actions.c,v 3.2.60.2 1996/08/23 22:02:29 jserpa Exp \$

* \$Source: /release/112/cvs/Xsys/iprouting/iprouting_actions.c,v \$

*-----

* IP routing specific parsing functions.

*

* August 1994, Bruce Cole

*

* Copyright (c) 1994-2010, 2012, 2015, 2017-2018 by cisco Systems, Inc.

* All rights reserved.

*-----

* \$Log: iprouting_actions.c,v \$

* Revision 3.2.60.2 1996/08/23 22:02:29 jserpa

* CSCdi67021: router ospf <as> gets nv-ramed in reverse order of
* configuration

* Branch: California_branch

*

* Revision 3.2.60.1 1996/04/15 21:18:11 bcole

* CSCdi54649: IP Host Modularity, IP Automatic Stub Routing feature
* commit

* Branch: California_branch

*

* Revision 3.2 1995/11/17 17:34:38 hampton

* Remove old entries from the RCS header logs.

*

* Revision 3.1 1995/11/09

12:08:28 shaker

* Bump version numbers from 2.x to 3.x.

*

* Revision 2.1 1995/06/07 21:07:33 hampton

* Bump version numbers from 1.x to 2.x.

*

*-----

* \$Endlog\$

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_actions.c

No license file was found, but licenses were detected in source scan.

/* \$Id\$

* \$Source\$

```
*-----
* iprouting_registry.c
*
* September 2001, Fan Kong
*
* Copyright (c) 2001, 2003, 2005, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
```

```
*-----
* $Log$
*-----
* $Endlog$
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_registry.c
```

No license file was found, but licenses were detected in source scan.

```
/* $Id: iprouting_setup.c,v 3.4.4.1 1996/06/28 01:21:03 snyder Exp $
* $Source: /release/112/cvs/Xsys/iprouting/iprouting_setup.c,v $
*-----
* IP Routing setup commands
*
* May 1993, Robert Widmer
*
* Copyright (c) 1993-2002, 2007-2008, 2010 by cisco Systems, Inc.
* All rights reserved.
*
*-----
* $Log: iprouting_setup.c,v $
* Revision 3.4.4.1 1996/06/28 01:21:03 snyder
* CSCdi61601: fix some char * that should have been char [] in iprouting
* Branch: California_branch
*
*      You get space back for the pointer
*      You get space back for each reference
*      You get bytes out of data space
*
* Revision 3.4 1996/03/09 22:56:04 widmer
* CSCdi47890: HTTP server doesnt work
* Add HTTP server
*
* Revision 3.3 1995/11/28 03:58:38 widmer
*
* CSCdi44175: Add setup_printf to replace sprintf in setup code
*
* Revision 3.2 1995/11/17 17:34:53 hampton
* Remove old entries from the RCS header logs.
*

```

* Revision 3.1 1995/11/09 12:08:42 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.1 1995/06/07 21:07:55 hampton
* Bump version numbers from 1.x to 2.x.

*
*-----
* \$Endlog\$
*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_setup.c
No license file was found, but licenses were detected in source scan.

/* \$Id\$
* \$Source\$
*-----
* cfg_route_default.h
*
* September 2016, Yingzhen Qu
*
* Copyright (c) 2016 by cisco Systems, Inc.
* All rights reserved.
*-----
* \$Log\$
*-----
* \$Endlog\$
*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_route_default.h
No license file was found, but licenses were detected in source scan.

/* \$Id: cfg_router_timers.h,v 3.2.60.1 1996/04/15 21:17:46 bcole Exp \$
* \$Source: /release/112/cvs/Xsys/iprouting/cfg_router_timers.h,v \$
*-----
* C F G _ R O U T E R _ T I M E R S . H
*
* Copyright (c) 1992-1999, 2002, 2004-2011, 2018 by cisco Systems, Inc.
* All Rights Reserved
*-----
* \$Log: cfg_router_timers.h,v \$
* Revision 3.2.60.1 1996/04/15 21:17:46 bcole
* CSCdi54649: IP Host Modularity, IP Automatic Stub Routing feature
* commit
* Branch: California_branch
*
* Revision 3.2 1995/11/17 17:32:28 hampton

```
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:06:09 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.1 1995/07/01 12:16:04 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1 1995/06/07 22:13:13 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
* $Endlog$
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_timers.h
No license file was found, but licenses were detected in source scan.
```

```
/* $Id$
* $Source$
*-----
* cfg_routemap_match_ip.h -- IP specific route-map clauses
*
* March 1995 Tony Li
*
* Copyright (c) 1995-1998, 2000-2002, 2004-2005, 2007-2010, 2014 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log$
*-----
* $Endlog$
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_routemap_match_ip.h
No license file was found, but licenses were detected in source scan.
```

```
/* $Id$
* $Source$
*-----
* cfg_router_input-queue.h
*
* September 1997, Dawn Li
*
* Copyright (c) 1997-2002, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
```

```
*-----  
* $Log$  
*-----  
* $Endlog$  
*/
```

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_input-queue.h

No license file was found, but licenses were detected in source scan.

```
/*  
*-----  
* cfg_router_topology_mode.h - router topology configuration sub mode  
*   commands.  
*  
* Sept 2004, Mercia Zheng  
*  
* Copyright (c) 2004, 2007-2008 by cisco Systems, Inc.  
* All rights reserved.  
*-----  
*/
```

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_router_topology_mode.h

No license file was found, but licenses were detected in source scan.

```
/*-----  
* routemap_api.h -- Dynamic routemap API definitions.  
*  
* May 2003, Tanya Shastri  
*  
* Copyright (c) 2003, 2005-2009, 2011, 2013, 2015, 2018-2019 by cisco Systems, Inc.  
* All rights reserved.  
*-----  
*/
```

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/routemap_api.h

No license file was found, but licenses were detected in source scan.

```
/*  
*-----  
* msg_routemap.c -- Message system definitions for Route-map  
*  
* Copyright (c) 2003, 2007-2008 by cisco Systems, Inc.  
* All rights reserved.  
*-----
```

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/msg_routemap.c

No license file was found, but licenses were detected in source scan.

/* \$Id\$

* \$Source\$

*-----

* iprouting_init_ionized.c - ION specific IP Routing Protocol support.

*

* September 2001, Chandra Appanna

*

* Copyright (c) 2001-2012 by cisco Systems, Inc.

* All rights reserved.

*-----

* \$Log\$

*-----

* \$Endlog\$

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_init_ionized.c

No license file was found, but licenses were detected in source scan.

/* \$Id\$

* \$Source\$

*-----

* IP routing clear commands

*

* May 1993, Robert Widmer

*

* Copyright (c) 1993-1999, 2001-2002, 2004-2010 by cisco Systems, Inc.

* All rights reserved.

*

*-----

* \$Log\$

*-----

* \$Endlog\$

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/exec_clear_ip_routing.h

No license file was found, but licenses were detected in source scan.

/* \$Id\$

* \$Source\$

*-----

* iprouting_debug.c -- Debugging routines for IP routing

*

* May 1993, John Bashinski

*

* Copyright (c) 1993-2010, 2019 by Cisco Systems, Inc.

* All rights reserved.

*-----

* \$Log\$

*-----

* \$Endlog\$

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_debug.c

No license file was found, but licenses were detected in source scan.

/*

*

*-----

* Generic route tag list support.

*

* June 2011, Karthik Subramaniam

*

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* All rights reserved.

*-----

* \$Endlog\$

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/routetag_list.h

No license file was found, but licenses were detected in source scan.

/*

*-----

* C F G _ R O U T E R _ B F D . H

*

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*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_router_bfd.h

No license file was found, but licenses were detected in source scan.

/*

*-----

* route_map_ion.h - Route map support data structures specific to ION.

*

* January 2002, Siva Yaragalla

*

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* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/route_map_ion.h

No license file was found, but licenses were detected in source scan.

/*

*-----

* network_constants.h -- General Networking Constants

*

* June 2002, interest-idb

*

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*

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/network_constants.h

No license file was found, but licenses were detected in source scan.

/*-----

* route3_blob.c

*

* IOS and blob specific route3.c parser functions.

*

* March 2002, Victor Kamensky

*

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*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/route3_blob.c

No license file was found, but licenses were detected in source scan.

/* \$Id: cfg_router.h,v 3.2.60.2 1996/08/12 16:03:38 widmer Exp \$

* \$Source: /release/112/cvs/Xsys/iprouting/cfg_router.h,v \$

*-----

```

* CFG_ROUTER.H
*
* Enter router subcommand mode
*
* Copyright (c) 1992-2002, 2005, 2007-2009, 2015, 2017-2018 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log: cfg_router.h,v $
* Revision 3.2.60.2 1996/08/12 16:03:38 widmer
* CSCdi65725: Create Eolns macro that defaults csb->which to 0
* Branch: California_branch
* Add Eolns and Nvgenns macro that default csb->which to 0
* Remove hidden keyword help strings
*
* Revision 3.2.60.1 1996/04/15 21:17:43 bcole
* CSCdi54649: IP Host Modularity, IP Automatic Stub Routing feature
* commit
* Branch: California_branch
*
* Revision 3.2 1995/11/17 17:31:56 hampton
* Remove old
  entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:05:20 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.1 1995/07/01 12:15:46 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1 1995/06/07 22:12:17 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
* $Endlog$
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_router.h

```

No license file was found, but licenses were detected in source scan.

```

/*

```

```

*-----
* routemap_debug_flags.h -- Routemap debugging support

```

```

*
```

```

* July 1998, Wilber Su

```

```

*
```

```

* Copyright (c) 1998, 2004, 2007-2008, 2014 by cisco Systems, Inc.

```

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/routemap_debug_flags.h

No license file was found, but licenses were detected in source scan.

/*

*-----

* IOS prefix list support.

*

* March 2005, Sarath Chandran

*

* Copyright (c) 2005, 2007-2008 by cisco Systems, Inc.

* All rights reserved.

*-----

*

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/ip_prefixlist_ios.c

No license file was found, but licenses were detected in source scan.

/*

*-----

* cfg_router_auto_summary.h

*

* October 1993

*

* Copyright (c) 1993-1996, 1999-2009 by cisco Systems, Inc.

* All rights reserved.

*

* Supports the router subcommand "auto-summary". Configures auto aggregation
* of routing information to the network number level.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_auto_summary.h

No license file was found, but licenses were detected in source scan.

/* \$Id\$

* \$Source\$

*-----

* router_topology_chain.c - Parser chains of router topology sub mode

* for multi-topology routing support

```
* Sept 2004, Mercia Zheng
*
* Copyright (c) 2004-2010, 2019 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log$
*-----
* $Endlog$
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/router_topology_chain.c
No license file was found, but licenses were detected in source scan.
```

```
/*-----
* routing_context.c
*
* This file has global definitions for routing context support
* common to blob and iprouting proceses.
*
* March 2009, Derek Yeung
*
* Copyright (c) 2009 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routing_context.c
No license file was found, but licenses were detected in source scan.
```

```
/* $Id: cfg_routemap_set_policy.h,v 3.3.52.1 1996/05/21 09:53:12 thille Exp $
* $Source: /release/112/cvs/Xsys/iprouting/cfg_routemap_set_policy.h,v $
*-----
* cfg_routemap_set_policy.h -- Policy specific route map clauses
*
* Mar 1995 Tony Li
*
* Copyright (c) 1995-1996, 2000, 2002, 2004, 2007-2009 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log: cfg_routemap_set_policy.h,v $
* Revision 3.3.52.1 1996/05/21 09:53:12 thille
* CSCdi51599: multiple /interface/ literals bloat code.
* Branch: California_branch
* Save another 392 bytes by doing away with duplicate literals.
*
* Revision 3.3 1995/11/28 19:50:39 widmer
```

* CSCdi44251: Replace Ifelse(csb->in_help)/Eval with Func

*

* Revision 3.2 1995/11/17 17:31:55 hampton

* Remove old entries from the RCS header logs.

*

* Revision 3.1 1995/11/09 12:05:18 shaker

* Bump version numbers from 2.x to 3.x.

*

* Revision 2.3 1995/06/21 18:16:03 widmer

* CSCdi36227: Fix parse chain alternates

*

* Revision 2.2 1995/06/15 15:18:47 widmer

* CSCdi35889: parser transition structures should be static

*

* Revision 2.1 1995/06/07 21:05:42 hampton

* Bump version numbers from 1.x to 2.x.

*

*-----

* \$Endlog\$

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/include/cfg_routemap_set_policy.h

No license file was found, but licenses were detected in source scan.

/*

*-----

* route_map_registry.h -- Registration Points for Route Maps support in ION

*

* July 2001, Siva Yaragalla

*

* Copyright (c) 2001, 2003, 2005, 2007-2008 by cisco Systems, Inc.

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/route_map_registry.h

No license file was found, but licenses were detected in source scan.

/*

*-----

* route_map_nbcmn.c -- Route map support non-Blob common routines

*

* October 2001, Siva Yaragalla

*

* Copyright (c) 2001-2013, 2018, 2020 by cisco Systems, Inc.

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/route_map_nbcmn.c

No license file was found, but licenses were detected in source scan.

/*-----

* routing_context.h - Routing Context library API

*

* March 2009, Derek Yeung

*

* Copyright (c) 2009 by cisco Systems, Inc.

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/routing_context.h

No license file was found, but licenses were detected in source scan.

/*

*-----

* routemap_track_ios.c -- Route map support for tracking

* Functions shared by rp & vip.

*

* March 2003 Shyan Wignarajah

*

* Copyright (c) 2003-2010, 2013-2014, 2016 by cisco Systems, Inc.

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routemap_track_ios.c

No license file was found, but licenses were detected in source scan.

/*

*-----

* IP routing table flap statistics collection facility.

*

* Nov 1996, Ravi Chandra

*

* Copyright (c) 1995-1998, 2001-2005, 2007-2010 by cisco Systems, Inc.

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_stats.c

No license file was found, but licenses were detected in source scan.

/*

* -----

* route_capability.h

*

* August 2003, Peter Psenak

*

* Copyright (c) 2003-2004, 2007-2009, 2011, 2015 by Cisco Systems, Inc.

* All rights reserved.

* -----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/route_capability.h

No license file was found, but licenses were detected in source scan.

/*-----

* route_map_registry.c

*

* July 2001, Siva Yaragalla

*

* Copyright (c) 2001, 2003, 2007-2008 by cisco Systems, Inc.

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/route_map_registry.c

No license file was found, but licenses were detected in source scan.

/* \$Id\$

* \$Source\$

*-----

* cfg_routemap_set_ip.h -- IP specific route-map clauses

*

* Mar 1995 Tony Li

*

* Copyright (c) 1995-1998, 2000-2004, 2006-2013, 2016, 2019 by cisco Systems, Inc.

* All rights reserved.

*-----

* \$Log\$

*-----

* \$Endlog\$

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_routemap_set_ip.h

No license file was found, but licenses were detected in source scan.

/*

*-----

* routemap_internal.h

*

* Route map support data structures.

* To be included only by routemap code.

*

* Copyright (c) 1986-2003, 2005-2009, 2011, 2013-2015, 2018 by cisco Systems, Inc.

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/routemap_internal.h

No license file was found, but licenses were detected in source scan.

/* \$Id: cfg_ip_prefixlist.h,v 3.1.2.2 1998/02/23 19:43:42 enkechen Exp \$

* \$Source: /release/111/cvs/Xsys/ip/cfg_ip_prefixlist.h,v \$

*-----

* cfg_ip_prefix.h -- IP Prefix List Parser Commands

*

* June 1997, Enke Chen

*

* Copyright (c) 1997-2001, 2004, 2007-2008, 2019 by cisco Systems, Inc.

* All rights reserved.

*-----

* \$Log: cfg_ip_prefixlist.h,v \$

* Revision 3.1.2.2 1998/02/23 19:43:42 enkechen

* CSCdj75270: Prefix-list: optimization for downloading large lists

* Branch: FIB_branch

*

* Revision 3.1.2.1 1997/12/17 21:36:57 enkechen

* CSCdj61356: Prefix-list - facility for efficient route filtering

* Branch: FIB_branch

*

* Revision 3.1 1997/12/17 01:46:33 enkechen

* Start with the new file.

*

*-----

* \$Endlog\$

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_ip_prefixlist.h

No license file was found, but licenses were detected in source scan.

/* \$Id\$

* \$Source\$

*-----

* cfg_router_flash-threshold.h

*

* January 1998, 2001 Dawn Li

*

* Copyright (c) 1998-1999, 2001, 2007-2008 by cisco Systems, Inc.

* All rights reserved.

*-----

* \$Log\$

*-----

* \$Endlog\$

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_flash-threshold.h

No license file was found, but licenses were detected in source scan.

/*

*-----

* routemap_ios.c -- Route map support routines that can be shared

* by RP and VIP/LC

*

* July 1998 Wilber Su

*

* Copyright (c) 1998-2020 by cisco Systems, Inc.

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routemap_ios.c

No license file was found, but licenses were detected in source scan.

/*

*-----

* policylist_ios.c - IOS stubs for notification routines

* in policylist code

*

* Jun 2005, Tony P. Ambalathingal

*

* Copyright (c) 2003, 2005, 2007-2008 by cisco Systems, Inc.

* All rights reserved.

*-----
*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/policylist_ios.c
No license file was found, but licenses were detected in source scan.

/*
*-----
* route_map_http_ion.c
*
* March, 2003 Phil Winterfield
*
*
* Copyright (c) 2003-2004, 2006-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/route_map_http_ion.c
No license file was found, but licenses were detected in source scan.

/*-----
* route_map_globs.c
*
* This file has the route map globals common to blob (for lc images)
* and routing process(for routing images).
*
* Copyright (c) 2002-2005, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/route_map_globs.c
No license file was found, but licenses were detected in source scan.

All rights reserved.

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/reg/route_map_registry.reg
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/reg/router_topology_registry.reg
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/makefile
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/reg/ion_iprouting_cmd_registry.reg

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/include/reg/router_af_actions_registry.reg
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/.signature/makefile
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/include/reg/routing_context_registry.reg
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/reg/iprouting_registry.reg
*
/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/reg/lfafrt_registry.reg
No license file was found, but licenses were detected in source scan.
```

```
/*
*-----
* ip_prefixlist_ion.h - IP Prefix Lists support for ION
*
* June 2002, Siva Yaragalla
*
* Copyright (c) 2002, 2005, 2007-2017 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/ip_prefixlist_ion.h
No license file was found, but licenses were detected in source scan.
```

```
/* $Id: cfg_router_distribute.h,v 3.3.50.2.6.1 1996/09/12 19:08:19 perry1 Exp $
* $Source: /release/112/cvs/Xsys/iprouting/cfg_router_distribute.h,v $
*-----
* C F G _ R O U T E R _ D I S T R I B U T E . H
*
* Copyright (c) 1992-2001, 2003-2012, 2015-2016, 2018 by cisco Systems, Inc.
* All Rights Reserved
*-----
* $Log: cfg_router_distribute.h,v $
* Revision 3.3.50.2.6.1 1996/09/12 19:08:19 perry1
* Branch: Att-branch
* Allow virtual-access interface for distribute-list
*
* Revision 3.3.50.2 1996/08/12 16:03:44 widmer
* CSCdi65725: Create Eolns macro that defaults csb->which to 0
* Branch: California_branch
* Add Eolns and Nvgenns macro that default csb->which to 0
* Remove hidden keyword help strings
*
* Revision 3.3.50.1 1996/05/04 01:21:18 wilber
* Branch: California_branch
*
* Constrained Multicast Flooding
```

```

* - Define MOSPF hello option bit.
*
* Name Access List
*
* Revision 3.3 1995/12/04 06:47:13 tli
* CSCdi43559: IP: distribute-list 101 out should work
*
* Revision 3.2 1995/11/17 17:32:10 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:05:34 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.1 1995/07/01 12:15:52 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1 1995/06/07 22:12:36 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
* $Endlog$
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/internal_inc/cfg_router_distribute.h
No license file was found, but licenses were detected in source scan.

```

```

/*
*-----
* policylist_blob.c - Routines to handle policy-list commands.
*           Common for IOS and ION Blob.
*
* November 2003, Siva Yaragalla
*
* Copyright (c) 2003-2008, 2010 by cisco Systems, Inc.
* All rights reserved.
*-----
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/policylist_blob.c
No license file was found, but licenses were detected in source scan.

```

```

/*-----
* ip_stats.c - IP for topology aware stats
*

```

* April 2006, Jonsky Hsu

*

* Copyright (c) 2006-2010 by cisco Systems, Inc.

* All rights reserved.

*

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/ip_stats.c

No license file was found, but licenses were detected in source scan.

/*-----

* IP routemap test commands

*

* May 2003, Tanya Shastri

*

* Copyright (c) 2003, 2005-2008, 2011-2013, 2015, 2018-2019 by cisco Systems, Inc.

* All rights reserved.

*

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/exec_test_ip_routemap.h

No license file was found, but licenses were detected in source scan.

/*-----

* route_map_def.h - Route Map Tyep Definition

*

* Feb, 2006 Allen Hu

*

* Copyright (c) 2006-2008, 2017 by cisco Systems, Inc.

* All rights reserved.

*

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/route_map_def.h

No license file was found, but licenses were detected in source scan.

/*

*-----

* ip_prefixlist_ionized.c - IP Prefix Lists support for ionized processes

*

* August 2001, Siva Yaragalla

*

* Copyright (c) 2001-2004, 2007-2008 by cisco Systems, Inc.

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/ip_prefixlist_ionized.c

No license file was found, but licenses were detected in source scan.

/*\$Id: cfg_router_maximum-paths.h,v 3.2 1995/11/17 17:32:11 hampton Exp \$

* \$Source: /swtal/cherf.111/ios/sys/iprouting/cfg_router_maximum-paths.h,v \$

*-----

* cfg_router_maximum-paths.h

*

* <July> 1994 rchandra

*

* Copyright (c) 1994-2016, 2019 by cisco Systems, Inc.

* All rights reserved.

*-----

* \$Log: cfg_router_maximum-paths.h,v \$

* Revision 3.2 1995/11/17 17:32:11 hampton

* Remove old entries from the RCS header logs.

*

* Revision 3.1 1995/11/09 12:05:39 shaker

* Bump version numbers from 2.x to 3.x.

*

* Revision 2.1 1995/07/01 12:15:53 tli

* CSCdi36508: Rationalize parser file placement, part I

* Rationalize iprouting

*

* Revision 2.1 1995/06/07 22:12:44 hampton

* Bump version numbers from 1.x to 2.x.

*

*-----

* \$Endlog\$

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-

tar/iprouting_cmn/internal_inc/cfg_router_maximum-paths.h

No license file was found, but licenses were detected in source scan.

/*-----

* router_af_actions.h

*

* Router Address Family action declarations.

*

* May 2002, Victor Kamensky

*

* Copyright (c) 2002, 2004-2005, 2007-2008 by cisco Systems, Inc.

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/router_af_actions.h

No license file was found, but licenses were detected in source scan.

/*

*-----

* ion_iprouting_cmd_registry.c

*

* September 2001, Rashmi Shrivastava

*

* Copyright (c) 2001, 2003, 2005-2008 by cisco Systems, Inc.

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/ion_iprouting_cmd_registry.c

No license file was found, but licenses were detected in source scan.

/*

*-----

* protofltr.h

*

* Routing protocol filter manager Public API definitions

*

* Jan 2006, Mercia Zheng

*

* Copyright (c) 2005-2011, 2020 by cisco Systems, Inc.

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/protofltr.h

No license file was found, but licenses were detected in source scan.

/* \$Id\$

* \$Source\$

*-----

* cfg_router_validate.h

*

* Nob to allow user to decide whether or not system should sanity check

* source IP address of incoming routing updates.


```

*
* March 1994, Bruce Cole
*
* Copyright (c) 1994-2002, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*
*-----
* $Log$
*-----
* $Endlog$
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_validate.h
No license file was found, but licenses were detected in source scan.

```

```

/* $Id: exec_show_route-map.h,v 3.2.60.1 1996/08/12 16:04:13 widmer Exp $
* $Source: /release/112/cvs/Xsys/iprouting/exec_show_route-map.h,v $
*-----
* exec_show_route-map.h
*
* Copyright (c) 1993-1996, 1998, 2003-2008, 2011 by cisco Systems, Inc.
* All rights reserved.
*
* Command parsing chain for "show route-map".
*-----
* $Log: exec_show_route-map.h,v $
* Revision 3.2.60.1 1996/08/12 16:04:13 widmer
* CSCdi65725: Create Eolns macro that defaults csb->which to 0
* Branch: California_branch
* Add Eolns and Nvgenns macro that default csb->which to 0
* Remove hidden keyword help strings
*
* Revision 3.2 1995/11/17 17:33:31 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:07:29 shaker
* Bump version numbers from 2.x to 3.x.
*
*
* Revision 2.1 1995/07/01 12:16:22 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1 1995/06/07 22:25:36 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----

```

* \$Endlog\$

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/exec_show_route-map.h

No license file was found, but licenses were detected in source scan.

/*

*-----

* routemap_debug.h -- Routemap debugging support

*

* July 1998, Wilber Su

*

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* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/routemap_debug.h

No license file was found, but licenses were detected in source scan.

/*

*-----

* exec_debug_routemapapi.h -- Debugging for Route-map API

*

* May 2003, Tanya Shastri

*

* Copyright (c) 2003-2004, 2007-2008, 2014 by cisco Systems, Inc.

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/exec_debug_routemapapi.h

No license file was found, but licenses were detected in source scan.

/* \$Id\$

* \$Source\$

*-----

* iprouting_commands.h -- Support for extern command function declaration

*

* September 2001, Rashmi Shrivastava

*

* Copyright (c) 2001-2010, 2013, 2016 by cisco Systems, Inc.

* All rights reserved.

*-----

* \$Log\$

*-----

* \$Endlog\$

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/internal_inc/iprouting_commands.h

No license file was found, but licenses were detected in source scan.

#-----

iproutingcmn_router_cmd.run-doxygen -- Run-doxygen Configuration File for

IP Routing Common Router Commands

#

December 2007, Chi Iong Ansjory

#

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All rights reserved.

#-----

#-----

RUN-DOXYGEN CONFIG FILE

#

The variables defined in this file are used by the run-doxygen script to

execute doxygen and generate API documentation.

This file will be sourced by a bourne shell script (/bin/sh)

and so must follow the bourne shell script syntax

#

This default configuration file is setup to work for the XOS project.

If you want to reuse it, you must customize the properties below in order to

make it work for your project.

#

For more help contact doxygen-trolls@cisco.com

#-----

The PROJECT_NAME variable is a single word (or a sequence of words surrounded

by quotes) that should identify the project.

PROJECT_NAME=IPROUTINGCMN_ROUTER_CMD

The PROJECT_NUMBER tag can be used to enter a project or revision number.

This could be handy for archiving the generated documentation or

if some version control system is used.

PROJECT_NUMBER=0.1.0.2

The latest version of doxygen can be picked on the shared storage

```

# of the XOS/Component Framework team
# This executable can only run on linux 2.6 !!!!
#DOXYGEN=/auto/ios_comp/tools/doxygen-1.5.4/bin/doxygen
# Change this sanity check when doxygen will be supported for other hosts
#host=`uname -s`
#host_version=`uname -r`
#if [ $host != "Linux" ]; then
#   echo "Error: this wrapper can only be executed from Linux"
#   exit
#fi
#if [ $host_version \<; "2.6" ]; then
#   echo "Error:
this wrapper requires Linux 2.6 or higher"
#   exit
#fi
#
#
# The location of the latex suite, this is needed only if the PDF
# generation option is used (-f)
# This binary is also only available on linux 2.6
#
#LATEX_PATH=/auto/ios_comp/tools/tetex/bin/i686-pc-linux-gnu
#LATEX_PATH=/usr/bin
#
#-----

# Use this variable to specify one or more wildcard pattern (like *.cpp
# and *.h) to filter out the source-files in the directories.

FILE_PATTERNS="ip_stats.h iprouting_debug.h router_af_actions_registry.reg.h"

# Exclude all internal defines (defines used to guard against multiple
# inclusions of the same header file)
EXCLUDE_SYMBOLS="__*_H__ reg_add* reg_delete* service_* reg_used* \
_reg_add* reg_inv_* reg_svr* _registry_* registry* REG_ELOG *_GEN_ID \
*_DEFINED *_argt *_res \
bgp* ospf* debug* route_debug* igrp* ipcache* ipproc* ip_mobile* netred* \
iprouting_acl DEBUG_ROUTING_PROT MISC_DEBUG_VARS \
DEBUG_ROUTING*
ALTP_BGF* __DEBUG_FLAGS* \
iprouting_debug_init iprouting_set_debug_array iprouting6_debug_list_command \
iprouting_debug_list_command iprouting_nsap_debug_list_command \
iprouting_debug_acl_notify \
reg_invoke_address_family_action_get_entries \
reg_invoke_address_family_action_nvgen_exit"

# When all symbols in a project start with a common prefix, by default all
# symbols will be put under the same header in the alphabetical index.

```

The IGNORE_PREFIX tag can be used to specify one or more prefixes that
should be ignored while generating the index headers. This will allow
to spread the symbol index more evenly.

IGNORE_PREFIX="xos_ XOS_"

If the EXTRACT_ALL tag is set to YES doxygen will assume all entities in
documentation are documented, even if no documentation was available.
Private class members and static file members will be hidden unless
the EXTRACT_PRIVATE and EXTRACT_STATIC tags are set to YES

EXTRACT_ALL=YES

If the EXTRACT_STATIC tag is set to
YES all static members of a file
will be included in the documentation.

EXTRACT_STATIC=YES

If the HIDE_UNDOC_MEMBERS tag is set to YES, Doxygen will hide all
undocumented members of documented classes, files or namespaces.
If set to NO (the default) these members will be included in the
various overviews, but no documentation section is generated.
This option has no effect if EXTRACT_ALL is enabled.

HIDE_UNDOC_MEMBERS=NO

#-----

VARIABLES RELATED TO DOXYGEN OUTPUT

This is the root of the destination folder (local variable)
Note that the archive area and the workspace area do not have to share the
same destination root.

DST_BASE=/auto/ios_comp/iprouting_cmn

This is the URL through which the DST_BASE folder can be accessed
from the intranet. This URL depends on the location of the storage.
Contact IT to find out the correct URL.

(Local variable)

URL_DST_BASE=http://sjc-filer29a-web/projects/ios_comp/iprouting_cmn

#

---- WORKSPACE AREA

Relative path (to DST_BASE) - used by OUTPUT_WORKSPACE (local variable)

WORKSPACE_FOLDER=api-docs

This is the full pathame of the root under which all normal output folders will be located

OUTPUT_WORKSPACE=\$DST_BASE/\$WORKSPACE_FOLDER

```

# This is the URL of the above OUTPUT_WORKSPACE directory
# Only used for displaying where to access the documentation after the doxygen run
URL_WORKSPACE=$URL_DST_BASE/$WORKSPACE_FOLDER

# ---- ARCHIVE AREA
# Relative path (to DST_BASE) - used by OUTPUT_ARCHIVE (local variable)
ARCHIVE_FOLDER=archive/xoslib

# This is the full pathame of the root under which all archive output folders will be located
OUTPUT_ARCHIVE=$DST_BASE/$ARCHIVE_FOLDER

# This is the URL of the above OUTPUT_WORKSPACE directory
# Only used for displaying where to access the documentation after the doxygen run
URL_ARCHIVE=$URL_DST_BASE/$ARCHIVE_FOLDER

#-----
#
VARIABLES RELATED TO DOXYGEN INPUT

# This is the root of the API source code (local variable)
SRC_BASE=/vob/cisco.comp/routing/iprouting_cmn

# This is the location of all the API public header files (or directories)
# In XOS all public header files are located in one directory
API_PUBLIC="$SRC_BASE/include $SRC_BASE/include/reg"
#API_PUBLIC="$SRC_BASE/include"

# This is the location of all the API source code, used with option -all only
# if you want to generate doxygen documentation for the source code
# (only useful for internal code review)
# Do not put the content of API_PUBLIC as it is added automatically
API_ALL="$SRC_BASE/shared $SRC_BASE/ios $SRC_BASE/iox $SRC_BASE/linux"

# The EXAMPLE_PATH tag can be used to specify one or more files or
# directories that contain example code fragments that are included (see
# the @example command).

EXAMPLE_PATH=$SRC_BASE/test/src

# The IMAGE_PATH tag can be used to specify one or more
# directories that contain image that are included
# in the documentation (see
# the @image command).
# This is only used/relevant if you have images in your API documentation.

IMAGE_PATH=$DST_BASE/api-docs-images

```

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/docs/iproutingcmn_router_cmd.run-doxygen
No license file was found, but licenses were detected in source scan.

/*

* P A R S E R _ D E F S _ R O U T E R . H

*

* \$Id: parser_defs_router.h,v 3.1.40.2 1996/07/30 06:56:06 rchandra Exp \$

* \$Source: /release/112/cvs/Xsys/iprouting/parser_defs_router.h,v \$

*

* Copyright (c) 1985-2020 by cisco Systems, Inc.

* All rights reserved.

*

*-----

* \$Log: parser_defs_router.h,v \$

* Revision 3.1.40.2 1996/07/30 06:56:06 rchandra

* CSCdi64489: BGP: private-AS number cannot be removed from AS-path

* Branch: California_branch

* - add 'neighbor x.x.x.x remove-private-AS' command.

* - add 'inbound' keyword to 'neighbor x.x.x.x soft-reconfiguration'

* command (CSCdi64487)

*

* Revision 3.1.40.1 1996/04/16 19:02:10 rchandra

* CSCdi54830: IP features commit

* Branch: California_branch

*

* Revision 3.1 1996/02/01 04:58:48 hampton

* Migrate files out of the parser directory. [CSCdi47717]

* Step 1: Create

copies of the files to be moved in their new location.

*

* Revision 3.2 1995/11/17 18:52:17 hampton

* Remove old entries from the RCS header logs.

*

* Revision 3.1 1995/11/09 12:56:05 shaker

* Bump version numbers from 2.x to 3.x.

*

* Revision 2.4 1995/08/28 21:14:47 rchandra

* CSCdi39436: BGP : Allow conditional unsuppression of suppressed routes

* - add 'neighbor x.x.x.x unsuppress-map <map>' command

*

* Revision 2.3 1995/07/06 23:11:21 rchandra

* CSCdi36759: BGP : Add conditional per neighbor default generation

* - add 'neighbor <x.x.x.x> default-originate route-map <tag>' command.

*

* Revision 2.2 1995/06/30 20:24:40 rchandra

* CSCdi36620: BGP requires IBGP neighbors to be fully meshed

*
* Revision 2.1 1995/06/07 22:31:08 hampton

* Bump version numbers from 1.x to 2.x.

*

*-----

* \$Endlog\$

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/parser_defs_router.h

No license file was found, but licenses were detected in source scan.

/* \$Id: cfg_router_network.h,v 3.2.60.1 1996/08/12 16:03:46 widmer Exp \$

* \$Source: /release/112/cvs/Xsys/iprouting/cfg_router_network.h,v \$

*-----

* C F G _ R O U T E R _ N E T W O R K . H

*

* Copyright (c) 1992-2002, 2004-2009, 2013, 2018 by cisco Systems, Inc.

* All Rights Reserved

*-----

* \$Log: cfg_router_network.h,v \$

* Revision 3.2.60.1 1996/08/12 16:03:46 widmer

* CSCdi65725: Create Eolns macro that defaults csb->which to 0

* Branch: California_branch

* Add Eolns and Nvgenns macro that default csb->which to 0

* Remove hidden keyword help strings

*

* Revision 3.2 1995/11/17 17:32:18 hampton

* Remove old entries from the RCS header logs.

*

* Revision 3.1 1995/11/09 12:05:49 shaker

* Bump version numbers from 2.x to 3.x.

*

* Revision 2.2 1995/09/25 08:30:52

tli

* CSCdi40960: ISP jumbo patch 2

*

* Revision 2.1 1995/07/01 12:15:58 tli

* CSCdi36508: Rationalize parser file placement, part I

* Rationalize iprouting

*

* Revision 2.1 1995/06/07 22:12:56 hampton

* Bump version numbers from 1.x to 2.x.

*

*-----

* \$Endlog\$

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_network.h

No license file was found, but licenses were detected in source scan.

/* \$Id: exec_show_ip_prefixlist.h,v 3.1.2.1 1997/12/17 21:36:59 enkechen Exp \$

* \$Source: /release/111/cvs/Xsys/ip/exec_show_ip_prefixlist.h,v \$

*-----

* exec_show_ip_prefixlist.h -- Show IP prefix lists

*

* July 1997 Enke Chen

*

* Copyright (c) 1994-1998, 2000-2001, 2007-2008, 2010 by cisco Systems, Inc.

* All rights reserved.

*-----

* \$Log: exec_show_ip_prefixlist.h,v \$

* Revision 3.1.2.1 1997/12/17 21:36:59 enkechen

* CSCdj61356: Prefix-list - facility for efficient route filtering

* Branch: FIB_branch

*

* Revision 3.1 1997/12/17 01:46:35 enkechen

* Start with the new file.

*

*-----

* \$Endlog\$

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/exec_show_ip_prefixlist.h

No license file was found, but licenses were detected in source scan.

/*

*-----

* routemap_track.h -- Route map support for tracking

*

* March 2003 Shyan Wignarajah

*

* Copyright (c) 2003, 2006-2008, 2010, 2012-2014 by cisco Systems, Inc.

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/routemap_track.h

No license file was found, but licenses were detected in source scan.

/*

*-----

* Generic prefix list support - prefix lists private header file
*
* March 2002, Siva Yaragalla
*
* Copyright (c) 2002, 2004, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/ip_prefixlist_private.h
No license file was found, but licenses were detected in source scan.

/*
* \$Id: route_map.h,v 3.3.12.6 1996/05/04 01:22:42 wilber Exp \$
* \$Source: /release/112/cvs/Xsys/iprouting/route_map.h,v \$
*-----
* route_map.h
*
* Route map support data structures.
*
* Copyright (c) 1986-2020 by cisco Systems, Inc.
* All rights reserved.
*-----
* \$Log: route_map.h,v \$
* Revision 3.3.12.6 1996/05/04 01:22:42 wilber
* Branch: California_branch
*
* Constrained Multicast Flooding
* - Define MOSPF hello option bit.
*
* Name Access List
*
* Revision 3.3.12.5 1996/04/16 19:02:23 rchandra
* CSCdi54830: IP features commit
* Branch: California_branch
*
* Revision 3.3.12.4 1996/04/05 03:46:42 rchandra
* CSCdi53755: BGP: flap dampening settings not flexible enough
* Branch: California_branch
* - add route-map support to set flap dampening parameters
*
* Revision 3.3.12.3 1996/04/02 07:29:32 dkatz
* CSCdi52277: Redistribution metric problems with IGRP/EIGRP
* Branch: California_branch
* Always store canonical metrics scaled for IGRP, and make EIGRP do
* its own scaling internally. Get the scaling right in all three
* places.

- *
 - * Revision 3.3.12.2 1996/03/28 23:59:20 rchandra
 - * CSCdi52098: BGP: exact keyword not accepted by route-map in community
 - * match
 - * Branch: California_branch
 - * - fix my silly bug in handling exact community matching
 - * - limit the range of valid community to 0xFFFF0000
 - * - fix a cosmetic bug in show ip community-list
- *
 - * Revision 3.3.12.1 1996/03/28 22:28:27 rchandra
 - * CSCdi52880: BGP: generate error message for unsupported route-map
 - * options
 - * Branch: California_branch
 - * - generate error message when unsupported route-map option is used
 - * - tread confederation EBGp neighbors similar to internal neighbors in
 - * best path selection
 - * - fix the bug in bgp_compare_med, so that
 - during MED comparison,
 - * confederation information is skipped properly
 - * - confederation EBGp paths should be inserted into the IP table with
 - * internal distance
 - * - do not consider common-AS neighbors as confederation neighbors
 - * - during 'clear ip bgp dampening' avoid skipping paths
 - * - undo the patch to the radix version walker
- *
 - * Revision 3.3 1996/02/17 01:23:27 myeung
 - * CSCdi49210: match tag clause does not work with static routes
- *
 - * Revision 3.2 1995/11/17 17:37:17 hampton
 - * Remove old entries from the RCS header logs.
- *
 - * Revision 3.1 1995/11/09 12:10:38 shaker
 - * Bump version numbers from 2.x to 3.x.
- *
 - * Revision 2.4 1995/09/25 08:31:20 tli
 - * CSCdi40960: ISP jumbo patch 2
- *
 - * Revision 2.3 1995/07/12 07:19:12 tli
 - * CSCdi36426: Policy routing will not disable on an interface
 - * - Policy routed packets were creating fastswitching cache entries.
 - * That's not till _next_ release.
 - * - Add counters to record packet and byte count on a per
 - route map entry
 - * basis.
 - * - Marketing identified a catastrophic deficiency. Implemented "set ip
 - * tos" and "set ip precedence" to cover this deficiency.
- *
 - * Revision 2.2 1995/07/06 23:12:41 rchandra

```
* CSCdi36759: BGP : Add conditional per neighbor default generation
* - add 'neighbor <x.x.x.x> default-originate route-map <tag>' command.
*
* Revision 2.1 1995/06/07 21:10:57 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
* $Endlog$
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/route_map.h
No license file was found, but licenses were detected in source scan.
```

```
/* $Id$
* $Source$
*-----
* C F G _ R O U T E R _ D E F A U L T S . H
*
* Copyright (c) 1992-2011, 2013, 2015-2016, 2019 by cisco Systems, Inc.
* All Rights Reserved
*-----
* $Log$
*-----
* $Endlog$
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_default.h
No license file was found, but licenses were detected in source scan.
```

```
/*-----
* iprouting_common.h - Basic types for IP routing (IPv4/IPv6)
*
* Contains:
* - address family enum,
* - tableid type and related macros
* - topoid type and related macros
* - private topoid definitions and APIs
* - generic non-routing ID definitions/APIs
*
* Warning: this file should not have any dependency on other header file
* except those where basic C types are defined.
*
* June 2003, Luc Revardel
*
* Copyright (c) 2003-2013, 2016, 2018, 2020 by cisco Systems, Inc.
* All rights reserved.
```

```
*-----  
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/iprouting_common.h
```

No license file was found, but licenses were detected in source scan.

```
/*  
*-----  
* cfg_int_ip2_vnet_routing.h  
*  
* Interface VNET submode configuration IP commands.  
*  
* Copyright (c) 2009-2010 by cisco Systems, Inc.  
* All rights reserved.  
*  
*-----  
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_int_ip2_vnet_routing.h
```

No license file was found, but licenses were detected in source scan.

```
/* $Id$  
* $Source$  
*-----  
* iprouting_init_blob.c -- Partner file (in blob) for iprouting_init.c  
*  
* 27-August-2001, Fan Kong  
*  
* Copyright (c) 2001-2011, 2015, 2019 by cisco Systems, Inc.  
* All rights reserved.  
*-----  
* $Log$  
*-----  
* $Endlog$  
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_init_blob.c
```

No license file was found, but licenses were detected in source scan.

```
/* $Id: exec_show_protocols.h,v 3.3.20.1 1996/08/12 16:04:12 widmer Exp $  
* $Source: /release/112/cvs/Xsys/iprouting/exec_show_protocols.h,v $  
*-----  
* EXEC_SHOW_PROTOCOLS.H  
*  
* Copyright (c) 1992-1996, 2007-2009 by cisco Systems, Inc.
```

```

* All Rights Reserved
*-----
* $Log: exec_show_protocols.h,v $
* Revision 3.3.20.1 1996/08/12 16:04:12 widmer
* CSCdi65725: Create Eolns macro that defaults csb->which to 0
* Branch: California_branch
* Add Eolns and Nvgenns macro that default csb->which to 0
* Remove hidden keyword help strings
*
* Revision 3.3 1996/01/29 07:08:56 hampton
* Remove command number arguments passed to parse routines that only
* perform a single function. [CSCdi47717]
*
* Revision 3.2 1995/11/17 17:33:30 hampton
* Remove old entries from
the RCS header logs.
*
* Revision 3.1 1995/11/09 12:07:27 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.1 1995/07/01 12:16:21 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1 1995/06/07 22:25:21 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
* $Endlog$
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/exec_show_protocols.h

```

No license file was found, but licenses were detected in source scan.

```

/* $Id$
* $Source$
*-----
* IP routing show commands
*
* May 1993, Robert Widmer
*
* Copyright (c) 1993-2003, 2005, 2007-2011, 2013, 2015-2020 by cisco Systems, Inc.
* All rights reserved.
*
*-----
* $Log$
*-----

```

* \$Endlog\$

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/exec_show_ip_routing.h

No license file was found, but licenses were detected in source scan.

!-----

! iproutingcmn_router_cmd.sesut - IPv4 Routing Common Router

! Commands Unit Test Routines

!

! December 2007, Chi Iong Ansjory

!

! Copyright (c) 2007 by cisco Systems, Inc.

! All rights reserved.

!-----

! Sample unit test description file.

! This file is used for generation of unit test module by SESUT.

! See http://wwwin-ses.cisco.com/unittest/sesut_ios.html for

! information about SESUT.

!

! Include a description of your test here.

!

! This is made up of many sections. Each section header starts with % in

! first column. It is followed by the section identifier.

! Lines that have '!' in the first column are considered comments.

! Blank lines are ignored.

!

! You can report success/failure of your test by calling the following

! functions.

! Call sesut_<file prefix>_testpass to indicate
! test success.

! void sesut_<file prefix>_testpass(void);

! Call sesut_<file prefix>_testfail to indicate test failure.

! void sesut_<file prefix>_testfail(const char *fmt, ...);

! The length of the formatted string should be less than or equal

! to 255. Else it will be truncated.

! Prototypes for these functions are included in the header file that

! is generated by SESUT.

% Cflow

! Enter the files/subsystems in the unit under test.

! These files will be instrumented for Cflow and MIF(if MIF is

! available in your view). GDB flag -g is used during compilation.

!cflow_list=\$(sub_mif) xyz.o \$(my_subsys) abc.o

! This list is ignored if ses_iouut is used. ses_iouut instruments all files

! in UUT(defined by -old and -new options).

```

% MIF
! Enter MIF configuration
! If MIF configuration is not specified and cflow_list is specified
! then a default MIF configuration is used.
!../os/free.c
!../os/buffers.c
!../os/chunk.c
!-----
!malloc
!malloc_aligned
!malloc_fast
!malloc_pcimem
!malloc_named
!chunk_malloc
!getbuffer
!pool_getbuffer

%
API
! Include DTD configuration.
! Not all features of DTD are available with SESUT yet.
! List headers/text that contain prototypes for the functions to be tested
! for robustness followed by a line consisting of '-'s followed by
! the list of functions to be tested for robustness.
! It is assumed that a .h file that includes all the text listed above
! the line consisting of '-'s is self-compiling in the same context as
! the one used to compile the .sesut file and has the definitions of
! all the objects whose pointers are referenced.
!master.h
!../testtools/testtools.h
!../testtools/testtools_private.h
!<stdio.h>
!void mynewapi(int,int);
!-----
!mif_enable
!mif_disable
!mif_clear
!mif_lock
!mynewapi

% env
! Use this section to list object modules that are not
! part of the standard build but are used by the tests defined in this
! file. The text following "link:" is inserted
! into the final link step.
!link: xyz.o abc.o
!
```



```

! Use this section to add any special 'CFLAGS' needed to compile sesut
! generated test file
!cflags: -I../http/http_core/include
!cflags: -I../http/http_core/server
!cflags: -I../ios_http_core/config -I../http/http_core/lib
!cflags: -DEW_CONFIG_OPTION_CLIENT_CACHE
!
! You can specify functions to be executed before and after the test.
! pretest is executed before executing the unit test and the posttest is
! executed after executing the unit test. These are executed once regardless
! of the repeat count. The prototypes of these functions are expected to be:
! void <pretest>(void);
! void <posttest>(void);
! Define these functions in the 'model prolog' section. Note that these
! are optional. You can have one or both or none.
!pretest:config_my_feature
!posttest:validate_results
! If want want your pretest/posttest functions to receive same
! parameters as the test then specify the functions as:
!pretest_withparams:config_my_feature
!posttest_withparams:validate_results
!
The prototypes for these functions would be:
! void <pretest_withparams>(<types of parameters>)
! void <posttest_withparams>(<types of parameters>)
! Parameters are specified using "parameter:" keyword in % model" section.
! If both {pre|post}test and {pre|post}test_withparams are specified:
! pretest is executed before pretest_withparams.
! posttest is executed after posttest_withparams.

! You can specify a initializer/finalizer function to be executed
! at the time of test initialization/removal.
! Initializer is executed once during the lifetime of the current instance of
! the test. If the test is part of the image then the initializer is executed
! during subsystem initialization. If the test is a DLST(dynamically loaded)
! then the initializer is executed just after the dynamic load.
! The finalizer is executed when the test is removed (happens when the test is
! being replaced).
! Note that the subsystems in
the DLST are not initialized. You must list the
! subsystem init functions in the initializer function. Subsystem header is
! ignored for DLST's. You will not see the subsystems for DLST's listed in
! "show subsys" output.
! Use initializer to perform tasks like registry addition, memory allocation etc.
! Similarly use the finalizer to free these resources. This is an important
! consideration. Treat them like constructor/destructor for the DLST.
!
! The prototypes of these functions are expected to be:

```

```

! void <initializer>(void);
! void <finalizer> (void);
! Define these functions in the 'model prolog' section. Note that these
! are optional. You can have one or both or none.
!initializer:my_init
!finalizer:my_finit

% model prolog iou
! This code will be copied unchanged to the start of the generated .c file
! Include definitions, declarations, include statements that
! are used in the model
! You can include stubs for the functions that are not ready yet but are
! invoked.
!
! If you choose to have pretest and posttest functions include them here.
!
! "model prolog " accepts additional keywords.
! dt - This is meaningful in automation environments. If the test you are
! creating alters global state then use "dt" keyword. This informs
! automation framework that device should be reloaded prior to
! running next test.
! iou - Use this keyword if the test can be executed under IOU.
! preinit - Use this if the test executes prior to system initialization.
! % model prolog dt

#include IOS_INC(testtools/sesutlib_ios.h)
#include <routing/iprouting_cmn/include/ip_stats.h>
#include <routing/iprouting_cmn/include/iprouting_debug.h>
#include <routing/iprouting_cmn/include/router_af_actions_registry.h>

boolean sesrc;

% model digraph
! Describe the model. You have structured your test as a
! directed graph. Start keywords in column 1. Start the code at an
! offset(2TABS). This line("model digraph") can have an optional keyword.
! That is "vdag".
! This would generate testcases representing various
! acyclic paths leading from the start node. These tests cover all nodes.
! This does not guarantee that all the edges are covered.
! If your test model is a tree(or hierarchical) or a DAG(Directed Acyclic
! Graph) then you should use this keyword.
!% model digraph vdag
! There are three keywords. They are
! start node <nodeIdentifier> - Specify the start node in the model
! node <nodeIdentifier>: - Begining of a node description.
! Include descriptions for all edges starting at this node.

```

```

!           If there is code to be executed upon entry to this node
!           enter that immediatly following this line but before
!           entering any edge description.
! -><nodeIdentifier>: - Beginnig of an edge description. This describes an
!           edge from the node to &lt;n>
! Choose <nodeIdentifier> to be descriptive. Examples: AVLTreeInsert,
!           DBSearch, DetachLine
!
! These identifiers are used during runtime to present execution times
! and other data.
! You can specify parameters for your unit test as follows:
!parameters:(uint interface, char* hostname="abc", uint subInterface=1)
!This should come before the line specifying the start node.
!The parameters can be used in the code for nodes/edges. The values
!for parameters are received via CLI or as a result of direct invocation of
!the generated function. Parameters can be of type 'uint'
!or 'char*'. If values for parameters are provided on CLI defaults are used.
! You should provide default values. If default values are not specified
! then the tool would assign default values. If the type is "uint" the
! default value is 0. Else(type char*) the default value is "".
! During automation the default values are used. Use descriptive names
! for parameters.
start node StartNode
! You can place initialization code that needs to be executed
! prior to entering the start node here.
node StartNode:

!
===== 6 APIs from ip_stats.h/ip_registry.reg =====

! 1. DEFINE show_ip_interface_with_topo

(void) sesut_execcommand(FALSE, "show ip interface e0/0 topology base stats");
printf("\n----- SESUT Test Reg: show_ip_interface_with_topo -----");

! 2. DEFINE clear_ip_interface_with_topo

(void) sesut_execcommand(FALSE, "clear ip interface e0/0 topology base stats");
printf("\n----- SESUT Test Reg: clear_ip_interface_with_topo -----");

! 3. DEFINE show_ip_traffic_with_topo

(void) sesut_execcommand(FALSE, "show ip traffic topology base");
printf("\n----- SESUT Test Reg: show_ip_traffic_with_topo -----");

! 4. DEFINE clear_ip_traffic_with_topo

(void) sesut_execcommand(FALSE, "clear ip traffic topology base");

```

```
printf("\n----- SESUT Test: clear_ip_traffic_with_topo -----");
```

```
! 5. DEFINE show_ip_interface_stats
```

```
(void) sesut_execcommand(FALSE, "show ip interface e0/0 stats");  
printf("\n----- SESUT Test Reg: show_ip_interface_stats -----");
```

```
! 6. DEFINE clear_ip_interface_stats
```

```
(void) sesut_execcommand(FALSE,  
"clear ip interface e0/0 stats");  
printf("\n----- SESUT Test Reg: clear_ip_interface_stats -----");
```

```
! ===== 2 APIs from iprouting_debug.h =====
```

```
! 1. void
```

```
! iprouting_debug_arr_ios_set_csb(struct parseinfo_ *csb);
```

```
!iprouting_debug_arr_ios_set_csb(NULL);  
printf("\n----- SESUT Test: iprouting_debug_arr_ios_set_csb() -----");
```

```
! 2. void
```

```
! iprouting_ios_call_debug_cmd(struct parseinfo_ *csb);
```

```
!iprouting_ios_call_debug_cmd(NULL);  
printf("\n----- SESUT Test: iprouting_ios_call_debug_cmd() -----");
```

```
! ===== 1 API from router_af_actions_registry.reg =====
```

```
! 1. DEFINE address_family_action_named_router REMOTE 3
```

```
sesrc = reg_invoke_address_family_action_named_router(NULL);  
printf("\n----- SESUT Test Reg: address_family_action_named_router -----");
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-  
tar/iprouting_cmn/test/iproutingcmn_router_cmd.sesut
```

No license file was found, but licenses were detected in source scan.

```
/*-----
```

```
* route3_ionized.c
```

```
*
```

```
* ION specific route3.c parser functions.
```

```
*
```

```
* March 2002, Victor Kamensky
```

```
*
```

```
* Copyright (c) 2002, 2005-2008 by cisco Systems, Inc.
```

```
* All rights reserved.
```

*-----
*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/route3_ionized.c

No license file was found, but licenses were detected in source scan.

/* \$Id\$

* \$Source\$

*-----

* Registry for IP routing infrastructure in ION

*

* September 2001, Fan Kong

*

* Copyright (c) 2001-2003, 2005, 2007-2008, 2010 by cisco Systems, Inc.

* All rights reserved.

*-----

* \$Log\$

*-----

* \$Endlog\$

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/iprouting_registry.h

No license file was found, but licenses were detected in source scan.

/* \$Id: route_map.h,v 3.3.12.6 1996/05/04 01:22:42 wilber Exp \$

* \$Source: /release/112/cvs/Xsys/iprouting/route_map.h,v \$

*-----

* policylist.h -- Policy list support data structures

*

* April 2000, Rex Fernando

*

* Copyright (c) 2000, 2002-2003, 2005, 2007-2011 by cisco Systems, Inc.

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/policylist.h

No license file was found, but licenses were detected in source scan.

/* \$Id\$

* \$Source\$

*-----

* cfg_routemap_set.h

*

* Process route-map set subcommands.

```
*
* Copyright (c) 1992-1998, 2001-2003, 2007-2019 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log$
*-----
* $Endlog$
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_routemap_set.h
No license file was found, but licenses were detected in source scan.
```

```
/*
*-----
* routemap_ios_chain.c -- Route-map generic ios parse chains that
* will be in both RP and VIP/LC
*
* July 1998, Wilber Su
*
* Copyright (c) 1998, 2004-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routemap_ios_chain.c
No license file was found, but licenses were detected in source scan.
```

```
/* $Id: cfg_router_distance.h,v 3.2.60.1 1996/05/04 01:21:16 wilber Exp $
* $Source: /release/112/cvs/Xsys/iprouting/cfg_router_distance.h,v $
*-----
* C F G _ R O U T E R _ D I S T A N C E . H
*
* The bgp version must come before the weight version so that both NVGEN
* and normal processing happen correctly.
*
* Copyright (c) 1992-1999, 2001-2010, 2015-2016, 2019-2020 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log: cfg_router_distance.h,v $
* Revision 3.2.60.1 1996/05/04 01:21:16 wilber
* Branch: California_branch
*
* Constrained Multicast Flooding
* - Define MOSPF hello option bit.
*
* Name Access List
```

```

*
* Revision 3.2 1995/11/17 17:32:05 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:05:29 shaker
* Bump version
  numbers from 2.x to 3.x.
*
* Revision 2.1 1995/07/01 12:15:50 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1 1995/06/07 22:12:30 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
* $Endlog$
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/internal_inc/cfg_router_distance.h
No license file was found, but licenses were detected in source scan.

```

```

/*
*-----
* protofltr_debug.c - Debug functions for protocol filter manager
*
* Mercia Zheng, Jan 2006
*
* Copyright (c) 2006-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/protofltr_debug.c
No license file was found, but licenses were detected in source scan.

```

```

/*
*-----
* cfg_router_topology.h - router topology configuration mode command
*
* Sept 2004, Mercia Zheng
*
* Copyright (c) 2004-2005, 2007-2009, 2013 by cisco Systems, Inc.
* All rights reserved.
*-----

```

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_router_topology.h
No license file was found, but licenses were detected in source scan.

/*

*-----
* iprouting_init_ionblob.c -- IP Routing Init code for blog in ION only
*
* October 2001, Rashmi Shrivastava
*
* Copyright (c) 2001-2017 by cisco Systems, Inc.
* All rights reserved.
*-----
*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_init_ionblob.c
No license file was found, but licenses were detected in source scan.

/* \$Id\$

* \$Source\$
*-----
* Registry for routing context for RP and LC common code.
*
* September 2009, Derek Yeung
*
* Copyright (c) 2009 by cisco Systems, Inc.
* All rights reserved.
*-----
* \$Log\$
*-----
* \$Endlog\$
*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/routing_context_registry.h
No license file was found, but licenses were detected in source scan.

/* \$Id\$

* \$Source\$
*-----
* Address Family configuration mode commands.
*
* April 1998, Bob Thomas
*
*/

* Copyright (c) 1998-1999, 2007-2008 by cisco Systems, Inc.

* All rights reserved.

*-----

* \$Log\$

*-----

* \$Endlog\$

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_af_mode.h

No license file was found, but licenses were detected in source scan.

/*-----

* ip_stats.h - IP for topology aware stats

*

* February 2006, Jonsky Hsu

*

* Copyright (c) 2006-2008 by cisco Systems, Inc.

* All rights reserved.

*

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/ip_stats.h

No license file was found, but licenses were detected in source scan.

/*

*-----

* protofltr_debug_flags.h -- Protofltr manager debug flags declarations

*

* Jan 2006, Mercia Zheng

*

* Copyright (c) 2005-2008 by Cisco Systems, Inc.

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/protofltr_debug_flags.h

No license file was found, but licenses were detected in source scan.

/*

*-----

* route_map_ionized.c - Route Maps support for IONized processes

*

* July 2001, Siva Yaragalla

*

```
*
* Route map subsystem for IOS style processes.
*
* Copyright (c) 2001-2009, 2011, 2016-2017 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/route_map_ionized.c
No license file was found, but licenses were detected in source scan.
```

```
/*-----
* iprouting_actions_registry.h
*
* Router address family actions registry.
*
* May 2002, Victor Kamensky
*
* Copyright (c) 2002-2003, 2007-2008, 2010 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/include/router_af_actions_registry.h
No license file was found, but licenses were detected in source scan.
```

```
/* $Id$
* $Source$
*-----
* C F G _ R O U T E R _ T A B L E - M A P . H
*
* Copyright (c) 1993-1996, 1999, 2001, 2003, 2005-2019 by cisco Systems, Inc.
* All Rights Reserved
*-----
* $Log$
*-----
* $Endlog$
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_router_table-map.h
No license file was found, but licenses were detected in source scan.
```

```
/* $Id$
* $Source$
```

```

*-----
* routing_context_registry.c
*
* September 2009, Derek Yeung
*
* Copyright (c) 2009 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log$
*-----
* $Endlog$
*/

```

Found in path(s):

`/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routing_context_registry.c`

No license file was found, but licenses were detected in source scan.

```

/* $Id: iprouting_actions.h,v 3.2 1995/11/17 17:34:39 hampton Exp $
* $Source: /swt/cherf.111/ios/sys/iprouting/iprouting_actions.h,v $
*-----
* IP routing specific parsing functions.
*
* August 1994, Bruce Cole
*
* Copyright (c) 1994, 2004-2008, 2015 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log: iprouting_actions.h,v $
* Revision 3.2 1995/11/17 17:34:39 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:08:30 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.1 1995/06/07 21:07:35 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
* $Endlog$
*/

```

Found in path(s):

`/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/iprouting_actions.h`

No license file was found, but licenses were detected in source scan.

```

/*-----
* routemap_api.c -- Dynamic routemap APIs.
*

```



```

* Revision 3.2 1995/11/17 17:33:17 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:07:09 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.2 1995/11/08 21:06:22 shaker
* Merge Arkansas_branch into 11.1 mainline.
*
* Revision 2.1 1995/07/01 12:16:15 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1 1995/06/07 22:18:58 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
* $Endlog$
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/exec_debug_ip_routing.h
No license file was found, but licenses were detected in source scan.

```

```

/*
*-----
* protofltr_public.h
*
* Routing protocol filter manager Public API definitions
*
* Dec 2008, Mercia Zheng
*
* Copyright (c) 2008-2009 by cisco Systems, Inc.
* All rights reserved.
*-----
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/protofltr_public.h
No license file was found, but licenses were detected in source scan.

```

```

/* $Id: cfg_routemap_exit.h,v 3.2.60.1 1996/08/12 16:03:34 widmer Exp $
* $Source: /release/112/cvs/Xsys/iprouting/cfg_routemap_exit.h,v $
*-----
* cfg_routemap_exit.h
*
* exit - exit from route-map configuration mode
*

```

```

* Copyright (c) 1992-1996, 2007-2009 by cisco Systems, Inc.
* All Rights Reserved
* -----
* $Log: cfg_routemap_exit.h,v $
* Revision 3.2.60.1 1996/08/12 16:03:34 widmer
* CSCdi65725: Create Eolns macro that defaults csb->which to 0
* Branch: California_branch
* Add Eolns and Nvgenns macro that default csb->which to 0
* Remove hidden keyword help strings
*
* Revision 3.2 1995/11/17 17:31:42 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:05:03 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.1 1995/07/01
12:15:44 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1 1995/06/07 22:12:09 hampton
* Bump version numbers from 1.x to 2.x.
*
* -----
* $Endlog$
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_routemap_exit.h
No license file was found, but licenses were detected in source scan.

```

```

/*
* -----
* iprouting_parser_macros.h - Routing macros moved out of
*   sys/parser/macros.h
*
* November, 2004
*
* Copyright (c) 2004-2011, 2013, 2015, 2018 by cisco Systems, Inc.
* All rights reserved.
* -----
*
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/include/iprouting_parser_macros.h

```

No license file was found, but licenses were detected in source scan.

```
/* $Id: cfg_router_traffic-share.h,v 3.3.20.1 1996/08/12 16:03:58 widmer Exp $
* $Source: /release/112/cvs/Xsys/iprouting/cfg_router_traffic-share.h,v $
*-----
* cfg_router_traffic-share.h - parsing of the traffic-share command
*
* Oct 1993 Tony Li
*
* Copyright (c) 1993-1999, 2001-2002, 2004-2009, 2015 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log: cfg_router_traffic-share.h,v $
* Revision 3.3.20.1 1996/08/12 16:03:58 widmer
* CSCdi65725: Create Eolns macro that defaults csb->which to 0
* Branch: California_branch
* Add Eolns and Nvgenns macro that default csb->which to 0
* Remove hidden keyword help strings
*
* Revision 3.3 1996/02/01 23:34:03 widmer
* CSCdi45325: Change Keyword/Set to use Keyword_Id macro
*
* Revision 3.2 1995/11/17 17:32:35 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:06:21 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.1 1995/07/01 12:16:07 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1 1995/06/07 22:13:22 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
* $Endlog$
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_traffic-
share.h
```

No license file was found, but licenses were detected in source scan.

```
/* $Id$
* $Source$
*-----
* route.h -- IP routing definitions
```

*
* 22-March-1986, Kirk Lougheed
*
* Copyright (c) 1986-2020 by cisco Systems, Inc.
* All rights reserved.
*-----
* \$Log\$
*-----
* \$Endlog\$
*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/route.h
No license file was found, but licenses were detected in source scan.

/*
*-----
* routemap_ios_blob.c -- Route map support routines that can be shared
* by RP and VIP/LC
*
* October 14, 2001 Siva Yaragalla
*
* Copyright (c) 2001-2020 by cisco Systems, Inc.
* All rights reserved.
*-----
*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routemap_ios_blob.c
No license file was found, but licenses were detected in source scan.

/*
*-----
* protofltr_debug.h -- Routing protocol filter manager debug flag
*
* Jan 2006, Mercia Zheng
*
* Copyright (c) 2005-2008 by Cisco Systems, Inc.
* All rights reserved.
*-----
*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/protofltr_debug.h
No license file was found, but licenses were detected in source scan.

/*
* \$Id\$


```
* $Source$
*-----
* route3.c -- Routing Support: Router command and related routines
*
* 15-June-1987, Kirk Lougheed
*
* Copyright (c) 1987-2021 by cisco Systems, Inc.
* All rights reserved.
```

```
* $Log$
*-----
```

```
* $Endlog$
```

```
*/
```

```
/*
```

```
    * If its not a per-user distribute-list, we have to configure the
    * route-map for pflist_def too - its used to restore default when
    * a per-user distribute-list is un-configured as well as for
    * nvgen purposes. All this mess, only for the interface specific
    * version.
```

```
    */
```

```
/*
```

```
    * This command is only valid for ipv4 and nsap AFs in BGP.
    * However it is accepted for other BGP AFs
    * for backwards compatibility. However, no action
    * is taken for these
```

```
AFs and it is not nvgen'ed
```

```
    * either. Check out cfg_router_default.h for
    * more details.
```

```
    */
```

```
Found in path(s):
```

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/route3.c
```

```
No license file was found, but licenses were detected in source scan.
```

```
/*
```

```
*-----
```

```
* cfg_router_maximum-paths.h
```

```
*/
```

```
* 22-May-2016, Les Ginsberg
```

```
*/
```

```
* Copyright (c) 2016 by cisco Systems, Inc.
```

```
* All rights reserved.
```

```
*-----
```

```
*/
```

```
Found in path(s):
```

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/internal_inc/cfg_router_maximum-sec-paths.h
```

No license file was found, but licenses were detected in source scan.

```
/* $Id: cfg_router_metric.h,v 3.2 1995/11/17 17:32:13 hampton Exp $
* $Source: /swtal/cherf.111/ios/sys/iprouting/cfg_router_metric.h,v $
*-----
* C F G _ R O U T E R _ M E T R I C . H
*
* Copyright (c) 1992-2002, 2004, 2006-2009 by cisco Systems, Inc.
* All Rights Reserved
*-----
* $Log: cfg_router_metric.h,v $
* Revision 3.2 1995/11/17 17:32:13 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:05:41 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.1 1995/07/01 12:15:54 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1 1995/06/07 22:12:46 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
* $Endlog$
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_metric.h
No license file was found, but licenses were detected in source scan.
```

```
/* $Id: ip_routing.h,v 3.2 1995/11/17 17:34:12 hampton Exp $
* $Source: /swtal/cherf.111/ios/sys/iprouting/ip_routing.h,v $
*-----
* ip_routing.h -- Generic IP routing declarations
*
* Mar 1995 Tony Li
*
* Copyright (c) 1995, 1998, 2004, 2006-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log: ip_routing.h,v $
* Revision 3.2 1995/11/17 17:34:12 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:08:06 shaker
* Bump version numbers from 2.x to 3.x.
```

*
* Revision 2.1 1995/06/07 21:07:05 hampton
* Bump version numbers from 1.x to 2.x.

*
*-----
* \$Endlog\$
*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/ip_routing.h
No license file was found, but licenses were detected in source scan.

/* \$Id\$
* \$Source\$
*-----
* Exit from BGP Address Family mode.
*
* Sept 1998, Bob Thomas
*
* Copyright (c) 1998-1999, 2007-2009 by cisco Systems, Inc.
* All rights reserved.
*-----
* \$Log\$
*-----
* \$Endlog\$
*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_af_exit.h
No license file was found, but licenses were detected in source scan.

/*
*-----
* iprouting_debug.h -- Debugging declarations for IP routing
*
* May 1993, John Bashinski
*
* Copyright (c) 1993-2010 by Cisco Systems, Inc.
* All rights reserved.
*-----
*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/iprouting_debug.h
No license file was found, but licenses were detected in source scan.

/* \$Id: cfg_router_offset.h,v 3.3.20.4 1996/09/04 23:46:26 mikel Exp \$
* \$Source: /release/112/cvs/Xsys/iprouting/cfg_router_offset.h,v \$

```

*-----
* CFG_ROUTER_OFFSET.H
*
* Copyright (c) 1992-1998, 2002, 2004-2008 by cisco Systems, Inc.
* All Rights Reserved
*-----
* $Log: cfg_router_offset.h,v $
* Revision 3.3.20.4 1996/09/04 23:46:26 mikel
* CSCdi65889: offset-list doesnt work for EIGRP
* Branch: California_branch
* Re-enable offset-list command as well as adding offset-list out support,
* and fix offset-list to work with access-lists
*
* Revision 3.3.20.3 1996/08/12 16:03:48 widmer
* CSCdi65725: Create Eolns macro that defaults csb->which to 0
* Branch: California_branch
* Add Eolns and Nvgenns macro that default csb->which to 0
* Remove hidden keyword
help strings
*
* Revision 3.3.20.2 1996/05/04 01:21:23 wilber
* Branch: California_branch
*
* Constrained Multicast Flooding
* - Define MOSPF hello option bit.
*
* Name Access List
*
* Revision 3.3.20.1 1996/04/09 05:54:35 mikel
* CSCdi49628: EIGRP ignores outgoing offset-list
* Branch: California_branch
* disable offset-list command from eigrp router config
*
* Revision 3.3 1996/02/01 23:33:59 widmer
* CSCdi45325: Change Keyword/Set to use Keyword_Id macro
*
* Revision 3.2 1995/11/17 17:32:19 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:05:53 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.1 1995/07/01 12:15:58 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1 1995/06/07 22:12:58 hampton
* Bump version numbers from 1.x to 2.x.

```

```
*
*-----
* $Endlog$
*/
```

Found in path(s):

```
*
/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_offset.h
No license file was found, but licenses were detected in source scan.
```

```
#
#-----
# iprouting_api.enum - IP Routing public API enum definitions
#
# August 2009, Prashant Srinivas
#
# Copyright (c) 2009-2010 by cisco Systems, Inc.
# All rights reserved.
#-----
#
```

BEGIN IPROUTING_API

```
#
# Enumeration of the possible reasons for disabling routing on an interface
#
# Note, string length of the LONG description, should be <= 16 chars,
#   and contain nothing but alfanumerical characters and _
#
ENUM routing_disable_flag_t
```

```
    ITEM ROUTING_DISABLE_FLAG_INT_IF
    LONG "Internal_IF"
    END ITEM
```

END ENUM

END

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/enum/iprouting_api.enum
No license file was found, but licenses were detected in source scan.
```

```
/*
*-----
* routemap_track.c -- Route map support for tracking
*   Functions which run on RP (not VIP).
*
```

* March 2003 Shyan Wignarajah
*
* Copyright (c) 2003-2008, 2013-2014 by cisco Systems, Inc.
* All rights reserved.
*-----
*/

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routemap_track.c
No license file was found, but licenses were detected in source scan.

/* \$Id
* \$Source
*-----
* iprib_api_svr.c -- IP Routing Information Base (RIB) API definitions
*
* August-2001, Fan Kong
*
* Copyright (c) 2001-2012, 2019 by cisco Systems, Inc.
* All rights reserved.
*-----
* \$Log
*-----
* \$Endlog\$
*/

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprib_api_svr.c
No license file was found, but licenses were detected in source scan.

/*-----
* router_topology_registry.h
*
* Router topology registry.
*
* Sept 2004, Mercia Zheng
*
* Copyright (c) 2004, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
*/

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/router_topology_registry.h
No license file was found, but licenses were detected in source scan.

/*

```
*-----
* iprouting_parser_linkpoints.c - iprouting parser linkpoint defs.
*
* April, 2005
*
* Copyright (c) 2005, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*
*-----
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_parser_linkpoints.c
No license file was found, but licenses were detected in source scan.
```

```
/*-----
* routing_context_chain.c
*
* Parse chain file for routing context support.
*
* March 2009, Derek Yeung
*
* Copyright (c) 2009, 2015 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routing_context_chain.c
No license file was found, but licenses were detected in source scan.
```

```
/* $Id$
* $Source$
*-----
* cfg_routemap_match.h
*
* Process route-map match subcommands.
*
* Copyright (c) 1992-1999, 2002-2005, 2007-2012, 2018 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log$
*-----
* $Endlog$
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_routemap_match.h
```

No license file was found, but licenses were detected in source scan.

```
##
## content.lst file for iprouting_cmn
## See EDCS-905060 for more details.
##
## Oct 2010, Manu Pathak
##
## Copyright (c) 2010-2011, 2016 by cisco Systems, Inc.
## All rights reserved.
##

syntax: 1.0.0

# iprouting_cmn meta-source files
group: iprouting_cmn-generic
{
  enum:
    iprouting_cmn/include/enum/iprouting_api.enum

  reg:
    iprouting_cmn/include/reg/ion_iprouting_cmd_registry.reg
    iprouting_cmn/include/reg/iprouting_registry.reg
    iprouting_cmn/include/reg/lfafr_registry.reg
    iprouting_cmn/include/reg/route_map_registry.reg
    iprouting_cmn/include/reg/router_af_actions_registry.reg
    iprouting_cmn/include/reg/router_topology_registry.reg
    iprouting_cmn/include/reg/routing_context_registry.reg
}
# end of group: iprouting_cmn-generic

# iprouting_cmn source files
group: iprouting_cmn
{
  includes:
    ../generic/routing/iprouting_cmn/include
    $(COMPONENT_ROOT)/routing/iprouting_cmn/include
    $(COMPONENT_ROOT)/routing/iprouting_cmn/internal_inc
    $(COMPONENT_ROOT)/routing/iprouting_cmn/src
    $(COMPONENT_ROOT)/routing
    $(COMPONENT_ROOT)/posix/include
    $(IOS_SYSROOT)/ion/include
    $(IOS_SYSROOT)/crypto/ca
    $(IOS_SYSROOT)/crypto/ca/certcinc
    $(IOS_SYSROOT)/crypto/ca/bsafeinc
    $(IOS_SYSROOT)/crypto/ca/provider/include
  defines: CRYPTOCv5 CERTCv5
  cflags: -Wno-parentheses -Wno-uninitialized
```



```

sub: ion_iprouting_cmd_registry
{
  context: os==ion
  contains:
    iprouting_cmn/src/ion_iprouting_cmd_registry.c
}
sub: iprouting_blob
{
  contains:
    iprouting_cmn/src/ip_routing.c
    iprouting_cmn/src/ip_stats.c
    iprouting_cmn/src/iprouting_actions.c
    iprouting_cmn/src/iprouting_chain.c
    iprouting_cmn/src/iprouting_debug.c
    iprouting_cmn/src/iprouting_init_blob.c
    iprouting_cmn/src/iprouting_setup.c
    iprouting_cmn/src/protofltr_debug.c
    iprouting_cmn/src/route3_blob.c
    iprouting_cmn/src/routemap_debug.c
    iprouting_cmn/src/router_af_chain.c
    iprouting_cmn/src/router_topology_chain.c
    iprouting_cmn/src/routing_context_chain.c
}
sub: iprouting_cmn
{
  contains:
    iprouting_cmn/include/msg_iproute.rc
    iprouting_cmn/src/iprouting_cmn.c
}
sub: iprouting_common_blob
{
  contains:
    iprouting_cmn/src/ip_prefixlist_chain.c
    iprouting_cmn/src/policylist_blob.c
    iprouting_cmn/src/route_map_blob.c
    iprouting_cmn/src/routemap_track.c
}
sub: iprouting_common_ionblob
{
  context: os==ion
  contains:
    iprouting_cmn/src/ip_prefixlist_ionblob.c
    iprouting_cmn/src/route_map_ionblob.c
}
sub: iprouting_common_ionized
{
  context: os==ion
  contains:

```

```

    iprouting_cmn/src/ip_prefixlist_ionized.c
    iprouting_cmn/src/policylist_ionized.c
    iprouting_cmn/src/route_map_ionized.c
}
sub: iprouting_common_misc
{
    contains:
        iprouting_cmn/src/ip_prefixlist.c
        iprouting_cmn/src/msg_routemap.c
        iprouting_cmn/src/policylist.c
        iprouting_cmn/src/route_map.c
        iprouting_cmn/src/routetag_list.c
}
sub: iprouting_common_nbcmn
{
    contains:
        iprouting_cmn/src/route_map_nbcmn.c
}
sub: iprouting_common_nonblob
{
    contains:
        iprouting_cmn/src/ip_prefixlist_ios.c
        iprouting_cmn/src/policylist_ios.c
}
sub: iprouting_init_ios
{
    contains:
        iprouting_cmn/src/iprouting_init_ios.c
}
sub: iprouting_ionblob
{
    context: os==ion
    contains:
        iprouting_cmn/src/iprouting_init_ionblob.c
        iprouting_cmn/src/iprouting_parse_blob.c
        iprouting_cmn/src/router_af_parse_blob.c
}
sub: iprouting_ionized
{
    context: os==ion
    contains:
        iprouting_cmn/src/iprouting_init_ionized.c
        iprouting_cmn/src/route3_ionized.c
}
sub: iprouting_misc
{
    contains:
        iprouting_cmn/src/routemap_api.c

```

```
    iprouting_cmn/src/routemap_api_util.c
    iprouting_cmn/src/routemap_internal.c
}
sub: iprouting_nonblob
{
    contains:
    iprouting_cmn/src/iprib_api_svr.c
    iprouting_cmn/src/iprouting_init.c
    iprouting_cmn/src/iprouting_stats.c
    iprouting_cmn/src/protofltr.c
    iprouting_cmn/src/route1.c
    iprouting_cmn/src/route2.c
    iprouting_cmn/src/route3.c
    iprouting_cmn/src/router_af_parse.c
    iprouting_cmn/src/router_topology_parse.c
}
sub: iprouting_parser
{
    contains:
    iprouting_cmn/src/iprouting_parser_linkpoints.c
}
sub: iprouting_registry
{
    contains:
    iprouting_cmn/src/iprouting_registry.c
}
sub: ipv4_subsys
{
    contains:
    iprouting_cmn/src/ipv4_subsys.c
}
sub: lfafr_registry
{
    contains:
    iprouting_cmn/src/lfafr_registry.c
}
sub: route_map_globs
{
    contains:
    iprouting_cmn/src/route_map_globs.c
}
sub: route_map_registry
{
    contains:
    iprouting_cmn/src/route_map_registry.c
}
sub: routemap_common_blob
{
```

```

contains:
  iprouting_cmn/src/routemap_ios_blob.c
}
sub: routemap_common_ionized
{
  context: os==ion
  contains:
    iprouting_cmn/src/route_map_http_ion.c
}
sub: routemap_common_nonblob
{
  contains:
    iprouting_cmn/src/routemap_ios.c
    iprouting_cmn/src/routemap_track_ios.c
}
sub: routemap_ios_chain
{
  contains:
    iprouting_cmn/src/routemap_ios_chain.c
}
sub: routemap_lc_ipc
{
  context: os==ios
  contains:
    iprouting_cmn/src/route_map_globs.c
    iprouting_cmn/src/routemap_api.c
    iprouting_cmn/src/routemap_api_util.c
    iprouting_cmn/src/routemap_debug.c
    iprouting_cmn/src/routemap_internal.c
    iprouting_cmn/src/routemap_ios_chain.c
    iprouting_cmn/src/routetag_list.c
}
sub: router_af_actions_registry
{
  contains:
    iprouting_cmn/src/router_af_actions_registry.c
}
sub: router_topology_registry
{
  contains:
    iprouting_cmn/src/router_topology_registry.c
}
sub: routing_context
{
  contains:
    iprouting_cmn/src/routing_context.c
}
sub: routing_context_registry

```

```
{
  contains:
    iprouting_cmn/src/routing_context_registry.c
}
}
# end of group: iprouting_cmn
```

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/content.lst

No license file was found, but licenses were detected in source scan.

```
/* $Id$
* $Source$
*-----
* route1.c -- Routing Support: Common Routines
*
* 22-March-1986, Kirk Lougheed
*
* Copyright (c) 1986-2020 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log$
*-----
* $Endlog$
*/
```

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/route1.c

No license file was found, but licenses were detected in source scan.

```
/*
*
*-----
* Generic tag list support.
*
* June 2011, Karthik Subramaniam
*
* Copyright (c) 1997-2008, 2010-2012 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routetag_list.c

No license file was found, but licenses were detected in source scan.

```
/* $Id: cfg_routemap_match_policy.h,v 3.3 1995/11/28 19:50:34 widmer Exp $
* $Source: /swt/cherf.111/ios/sys/iprouting/cfg_routemap_match_policy.h,v $
```

```
*-----
* cfg_routemap_match_policy.h -- Route map match clauses for policy
* routing.
*
* Mar 1995 Tony Li
*
* Copyright (c) 1995, 2001-2002, 2007-2009, 2014-2015 by cisco Systems, Inc.
* All rights reserved.
```

```
*-----
* $Log: cfg_routemap_match_policy.h,v $
* Revision 3.3 1995/11/28 19:50:34 widmer
* CSCdi44251: Replace Ifelse(csb->in_help)/Eval with Func
*
* Revision 3.2 1995/11/17 17:31:48 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:05:10 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.3 1995/06/21 18:16:00 widmer
* CSCdi36227: Fix parse chain alternates
*
* Revision 2.2 1995/06/15 15:18:44 widmer
* CSCdi35889: parser transition structures should be static
*
* Revision 2.1 1995/06/07 21:05:32 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
* $Endlog$
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/include/cfg_routemap_match_policy.h
No license file was found, but licenses were detected in source scan.
```

```
/*
*-----
* exec_debug_protofltr.h
*
* Jan 2006, Mercia Zheng
*
* Copyright (c) 2005-2009 by cisco Systems, Inc.
*
* All Rights Reserved
*-----
*/
```



```

* Revision 2.2 1995/08/04 03:07:45 dstine
* CSCdi37681: Need event logging for EIGRP
*
* Revision 2.1 1995/07/01 12:15:32 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1 1995/06/07 22:05:27 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
* $Endlog$
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_int_ip2_routing.h
No license file was found, but licenses were detected in source scan.

```

```

/* $Id: rouource_commande_map.c,v 3.4.10.11 1996/07/09 07:35:58 dawnli Exp $
* $Source: /release/112/cvs/Xsys/iprouting/route_map.c,v $
*-----
* route_map.c -- Route map support routines.
*
* 23-January-1993
*
* Copyright (c) 1986-2020 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log: route_map.c,v $
* Revision 3.4.10.11 1996/07/09 07:35:58 dawnli
* CSCdi57006: route-map in configuration are stored/displayed in reverse
* order
* Branch: California_branch
*
* Revision 3.4.10.10 1996/06/28 23:19:51 hampton
* Remove gratuitous casting. [CSCdi61655]
* Branch: California_branch
*
* Revision 3.4.10.9 1996/06/05 08:27:06 rchandra
* CSCdi59547: Routemap: %SYS-4-REGEXP: NULL string parameter error
* Branch: California_branch
* - do not pass null path to route_map_match_aspath
*
* Revision 3.4.10.8 1996/06/03 23:24:12 ahh
* CSCdi59119: IP: NAT should support named access-lists
* And extended access-lists and non-contiguous address pools.
* Branch: California_branch
*

```


- * Revision 3.4.10.7 1996/05/04 01:22:39 wilber
- * Branch: California_branch
- *
- * Constrained Multicast Flooding
- * - Define MOSPF hello option bit.
- *
- * Name Access List
- *
- * Revision 3.4.10.6 1996/04/16 19:02:21 rchandra
- * CSCdi54830: IP features commit
- * Branch: California_branch
- *
- * Revision 3.4.10.5 1996/04/05 03:46:40 rchandra
- * CSCdi53755: BGP: flap dampening settings not flexible enough
- * Branch: California_branch
- * - add route-map support to set flap dampening parameters
- *
- * Revision 3.4.10.4 1996/04/02 07:29:30 dkatz
- * CSCdi52277: Redistribution metric problems with IGRP/EIGRP
- * Branch: California_branch
- * Always store canonical metrics scaled for IGRP, and make EIGRP do
- * its own scaling internally. Get the scaling right in all
- three
- * places.
- *
- * Revision 3.4.10.3 1996/03/28 23:59:18 rchandra
- * CSCdi52098: BGP: exact keyword not accepted by route-map in community
- * match
- * Branch: California_branch
- * - fix my silly bug in handling exact community matching
- * - limit the range of valid community to 0xFFFF0000
- * - fix a cosmetic bug in show ip community-list
- *
- * Revision 3.4.10.2 1996/03/28 22:28:25 rchandra
- * CSCdi52880: BGP: generate error message for unsupported route-map
- * options
- * Branch: California_branch
- * - generate error message when unsupported route-map option is used
- * - treat confederation EBGp neighbors similar to internal neighbors in
- * best path selection
- * - fix the bug in bgp_compare_med, so that during MED comparison,
- * confederation information is skipped properly
- * - confederation EBGp paths should be inserted into the IP table with
- * internal distance
- * - do not consider common-AS neighbors as confederation neighbors
- * - during 'clear ip bgp dampening'
- avoid skipping paths
- * - undo the patch to the radix version walker

*
 * Revision 3.4.10.1 1996/03/18 20:29:32 gstovall
 * Branch: California_branch
 * Elvis has left the building. He headed out to California, and took the
 * port ready changes with him.
 *
 * Revision 3.2.26.3 1996/03/16 06:58:25 gstovall
 * Branch: DeadKingOnAThrone_branch
 * Make the king aware of V111_1_3.
 *
 * Revision 3.2.26.2 1996/03/07 09:50:41 mdb
 * Branch: DeadKingOnAThrone_branch
 * cisco and ANSI/POSIX libraries.
 *
 * Revision 3.2.26.1 1996/02/20 01:04:27 dstine
 * Branch: DeadKingOnAThrone_branch
 * Sync from DeadKingOnAThrone_baseline_960122 to
 * DeadKingOnAThrone_baseline_960213
 *
 * Revision 3.4 1996/02/24 02:01:55 pst
 * CSCdi49774: modularize regexp's for bgp (part 3)
 *
 * Revision 3.3 1996/02/01 06:06:17 hampton
 * Migrate files out of the parser directory. [CSCdi47717]
 * Step 2: Change all files which reference the moved parser files to
 *
 * point to their new locations.
 *
 * Revision 3.2 1995/11/17 17:37:13 hampton
 * Remove old entries from the RCS header logs.
 *
 * Revision 3.1 1995/11/09 12:10:35 shaker
 * Bump version numbers from 2.x to 3.x.
 *
 * Revision 2.6 1995/09/25 08:31:19 tli
 * CSCdi40960: ISP jumbo patch 2
 *
 * Revision 2.5 1995/07/06 23:12:39 rchandra
 * CSCdi36759: BGP : Add conditional per neighbor default generation
 * - add 'neighbor <x.x.x.x> default-originate route-map <tag>' command.
 *
 * Revision 2.4 1995/06/23 14:26:05 widmer
 * CSCdi36318: multiple route-map commands are not accepted
 * Fix route-map command NV generation
 *
 * Revision 2.3 1995/06/15 15:18:52 widmer
 * CSCdi35889: parser transition structures should be static
 *

* Revision 2.2 1995/06/08 08:59:19 tli
* CSCdi35274: route-map test-1 crashes IOS
* - If a route map does not set any routing information, it should be
* equivalent to not having policy routed the packet.
* - "match length" clauses
were having their flag stepped on because the
* flag update routine didn't know about the clause.
*

* Revision 2.1 1995/06/07 21:10:53 hampton
* Bump version numbers from 1.x to 2.x.
*

*-----
* \$Endlog\$
*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/route_map.c
No license file was found, but licenses were detected in source scan.

/*-----
* router_af_parse.h
*
* Route Address Family parser functions declarations.
*
* May 2002, Victor Kamensky
*
* Copyright (c) 2002, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/router_af_parse.h
No license file was found, but licenses were detected in source scan.

/* \$Id\$
* \$Source\$
*-----
* Registry for IP FRR infrastructure
*
* July 6, 2010 Ahmed Bashandy
*
* Copyright (c) 2001-2003, 2005, 2007-2008, 2010 by cisco Systems, Inc.
* All rights reserved.
*-----
* \$Log\$
*-----
* \$Endlog\$

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/lfafr_r_registry.h
No license file was found, but licenses were detected in source scan.

```
/* $Id$
* $Source$
*-----
* cfg_route_map.h
*
* Enter route-map subcommand mode
*
* Copyright (c) 1992-1996, 2001-2002, 2007-2010, 2017 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log$
*-----
* $Endlog$
*/
```

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_route_map.h
No license file was found, but licenses were detected in source scan.

```
/* $Id$
* $Source$
*-----
* exec_show_ip_extcommunity-list.h
*
* April 2000, Rex Fernando
*
* Copyright (c) 2000, 2002-2003, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Endlog$
*/
```

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/exec_show_ip_policylist.h
No license file was found, but licenses were detected in source scan.

```
/* $Id: cfg_routemap_set_ip_policy.h,v 3.3.52.1 1996/06/18 19:06:39 widmer Exp $
* $Source: /release/112/cvs/Xsys/iprouting/cfg_routemap_set_ip_policy.h,v $
*-----
* cfg_routemap_set_ip_policy.h -- IP policy specific route map clauses
*

```

```

* Mar 1995 Tony Li
*
* Copyright (c) 1995-1998, 2000, 2002, 2004, 2007-2009 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log: cfg_routemap_set_ip_policy.h,v $
* Revision 3.3.52.1 1996/06/18 19:06:39 widmer
* CSCdi59706: parser lets you set tos/precedence bits forever (input
* loop)
* Branch: California_branch
*
* Revision 3.3 1995/11/28 19:50:38 widmer
* CSCdi44251: Replace Ifelse(csb->in_help)/Eval with Func
*
* Revision 3.2 1995/11/17 17:31:53 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09
12:05:16 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.5 1995/08/16 01:01:15 tli
* CSCdi38512: Policy: TOS and precedence long help says match instead of
* set
*
* Revision 2.4 1995/07/12 07:19:09 tli
* CSCdi36426: Policy routing will not disable on an interface
* - Policy routed packets were creating fastswitching cache entries.
* That's not till _next_ release.
* - Add counters to record packet and byte count on a per route map entry
* basis.
* - Marketing identified a catastrophic deficiency. Implemented "set ip
* tos" and "set ip precedence" to cover this deficiency.
*
* Revision 2.3 1995/06/21 18:16:02 widmer
* CSCdi36227: Fix parse chain alternates
*
* Revision 2.2 1995/06/15 15:18:47 widmer
* CSCdi35889: parser transition structures should be static
*
* Revision 2.1 1995/06/07 21:05:39 hampton
* Bump version numbers from 1.x to 2.x.
*-----
*
$Endlog$
*/

```

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/cfg_routermap_set_ip_policy.h

No license file was found, but licenses were detected in source scan.

/* \$Id: cfg_router_passive-interface.h,v 3.2.60.1 1996/08/12 16:03:49 widmer Exp \$

* \$Source: /release/112/cvs/Xsys/iprouting/cfg_router_passive-interface.h,v \$

* -----

* C F G _ R O U T E R _ P A S S I V E _ I N T . H

*

* Copyright (c) 1992-1999, 2001-2010, 2018 by cisco Systems, Inc.

* All Rights Reserved

* -----

* \$Log: cfg_router_passive-interface.h,v \$

* -----

* \$Endlog\$

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_passive-interface.h

No license file was found, but licenses were detected in source scan.

/*

* -----

* routemap_debug.c -- Routemap debugging support

*

* July 1998, Wilber Su

*

* Copyright (c) 1998, 2004, 2006-2008 by cisco Systems, Inc.

* All rights reserved.

* -----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routemap_debug.c

No license file was found, but licenses were detected in source scan.

/*

* -----

* C F G _ R O U T E R _ T O P O _ R E D I S T R I B U T E . H

*

* October 2004, Lisa Z Xu

*

* Copied from and modified based on cfg_router_redistribute.h.

* Warning:

* If you modify this file, please also check cfg_router_redistribute.h

* to see if the changes apply to config-router mode as well.

*
* Copyright (c) 2004-2011, 2018-2021 by Cisco Systems, Inc.
* All Rights Reserved
*-----
*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/src/cfg_router_topo_redistribute.h
No license file was found, but licenses were detected in source scan.

/*
*-----
* route_map_ionblob.c -- Route Maps support for ION Blob
*
* October 2001, Siva Yaragalla
*
* Copyright (c) 2001-2009, 2011, 2013, 2020 by cisco Systems, Inc.
* All rights reserved.
*-----
*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/route_map_ionblob.c
No license file was found, but licenses were detected in source scan.

/*-----
* router_af_parse_blob.c
*
* Address family submode command - proxy EOLs
*
* May 2002, Victor Kamensky
*
* Copyright (c) 2002-2005, 2007-2009 by cisco Systems, Inc.
* All Rights Reserved
*-----
*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/router_af_parse_blob.c
No license file was found, but licenses were detected in source scan.

/*
*-----
* topo_aware.h - Define multi-topology awareness
*
* March 2005, Les Ginsberg
*
*/

* Copyright (c) 2005, 2007-2008 by cisco Systems, Inc.

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/topo_aware.h

No license file was found, but licenses were detected in source scan.

/* \$Id\$

* \$Source\$

*-----

*

* parser_defs_route_map.h

*

* Constant definition for route-map command and associated subcommands.

*

* Copyright (c) 1985-1996, 1999, 2001, 2004-2005, 2007-2008, 2011, 2014-2015 by cisco Systems, Inc.

* All rights reserved.

*-----

* \$Log\$

*-----

* \$Endlog\$

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/parser_defs_route_map.h

No license file was found, but licenses were detected in source scan.

/* \$Id\$

* \$Source\$

*-----

* Parse chains for router Address Family mode

*

* June 2002, Donnie Savage

*

* Copyright (c) 1998-2011, 2013-2014, 2016, 2018-2019 by cisco Systems, Inc.

* All rights reserved.

*-----

* \$Log\$

*-----

* \$Endlog\$

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/router_af_chain.c

No license file was found, but licenses were detected in source scan.


```

/*
*-----
* exec_debug_routemap.h -- Debugging for Route-map IPC
*
* July 1998, Wilber Su
*
* Copyright (c) 1998, 2001-2002, 2004-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/exec_debug_routemap.h
No license file was found, but licenses were detected in source scan.

```

```

/* $Id: exec_clear_ip_prefixlist.h,v 3.1.2.1 1997/12/17 21:36:58 enkechen Exp $
* $Source: /release/111/cvs/Xsys/ip/exec_clear_ip_prefixlist.h,v $
*-----
* exec_clear_ip_prefixlist.h
*
* July 1997, Enke Chen
*
* Copyright (c) 1995-1998, 2000-2001, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log: exec_clear_ip_prefixlist.h,v $
* Revision 3.1.2.1 1997/12/17 21:36:58 enkechen
* CSCdj61356: Prefix-list - facility for efficient route filtering
* Branch: FIB_branch
*
* Revision 3.1 1997/12/17 01:46:34 enkechen
* Start with the new file.
*
*-----
* $Endlog$
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/exec_clear_ip_prefixlist.h
No license file was found, but licenses were detected in source scan.

```

```

/* $Id$
* $Source$
*-----
* iprouting_blob_undef.c -- undefined symbols from blob when
* routing subsystems are pulled out
*
* October, 2002 Phil Winterfield

```

```
*
* Copyright (c) 2001-2005, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log$
*-----
* $Endlog$
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_blob_undef.c
No license file was found, but licenses were detected in source scan.
```

```
/*-----
* iprouting_cmn.c
*
* This file has global definitions common to blob and iprouting proceses.
*
* Copyright (c) 2002-2009, 2011, 2013 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_cmn.c
No license file was found, but licenses were detected in source scan.
```

```
/* $Id: ip_prefixlist.c,v 1.1 2011/02/02 21:47:40 vkoshi Exp vkoshi $
* $Source: /view/vkoshi-
comp_routing_rel5.rel4_1_1_19.2460.ss.comp1.port/vob/ss.comp1/routing/iprouting_cmn/src/ip_prefixlist.c,v $
*-----
* Generic prefix list support.
*
* June 1997, Enke Chen
*
* Copyright (c) 1997-2012, 2016, 2020 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log: ip_prefixlist.c,v $
* Revision 1.1 2011/02/02 21:47:40 vkoshi
* checkin by port_commit
*
* Revision 3.1.2.4 1998/03/20 17:03:32 enkechen
* CSCdj88889: Prefix-list: sho ip prefix-list summ does not pause
* Branch: FIB_branch
*
* Revision 3.1.2.3 1998/02/23 19:43:44 enkechen
* CSCdj75270: Prefix-list: optimization for downloading large lists
```

```

* Branch: FIB_branch
*
* Revision 3.1.2.2 1998/02/11 01:55:32 soma
* Merge FIB_L3 branch into FIB branch
*
* Revision 3.1.2.1.8.1 1998/01/29 00:59:02 enkechen
* CSCdj77190: Prefix-list: mishandling of long prefix-list names
* Branch: FIB_L3_branch
*
* Revision 3.1.2.1 1997/12/17 21:37:00 enkechen
* CSCdj61356: Prefix-list - facility for efficient route filtering
* Branch: FIB_branch
*
* Revision 3.1 1997/12/17 01:46:33 enkechen
* Start with the new file.
*
*-----
* $Endlog$
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/ip_prefixlist.c
No license file was found, but licenses were detected in source scan.

```

```

/* $Id: cfg_router_redistribute.h,v 3.4.20.3 1996/08/12 16:03:50 widmer Exp $
* $Source: /release/112/cvs/Xsys/iprouting/cfg_router_redistribute.h,v $
*-----
* C F G _ R O U T E R _ R E D I S T R I B U T E . H

```

```

* Warning:
* If you modify this file, please also check cfg_router_topo_redistribute.h
* to see if the changes apply to config-router-topo mode as well.
*
* Copyright (c) 1992-2012, 2014-2015, 2018-2021 by cisco Systems, Inc.
* All Rights Reserved
*-----

```

```

* $Log: cfg_router_redistribute.h,v $
*
*-----
* $Endlog$
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/internal_inc/cfg_router_redistribute.h
No license file was found, but licenses were detected in source scan.

```

```

/*

```

```
*-----
* iprouting_DEBUG_FLAG_BBs.h -- Debugging flag declarations for IP routing
*
* May 1993, John Bashinski
*
* Copyright (c) 1993-2011, 2013, 2015, 2018-2020 by Cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/iprouting_debug_flags.h
No license file was found, but licenses were detected in source scan.
```

```
/* $Id$
* $Source$
*-----
* iprouting_parser.h -- IP routing parser API header file
*
* April - 2007, Selva Subramanian
*
* Copyright (c) 2001-2009 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_parser.h
No license file was found, but licenses were detected in source scan.
```

```
# $Id$
#
#-----
#
# iprouting.startup - ION iprouting process .startup file
#
# October, 2001, Fan Kong
#
#-----
#
# Copyright (c) 2001-2002, 2004-2007 by cisco Systems, Inc.
# All rights reserved.
#
#-----
```

name:iprouting.iosproc

path:/sbin

feature:iprouting

level:100

envs:RLIMIT_NOFILE=65535

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting.startup

No license file was found, but licenses were detected in source scan.

/* \$Id\$

* \$Source\$

*-----

* policylist.c - Routines to handle policy-list commands

*

* Apr. 2000, Rex Fernando

*

* Copyright (c) 2000, 2002-2011, 2016-2017, 2020 by cisco Systems, Inc.

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/policylist.c

No license file was found, but licenses were detected in source scan.

/* \$Id: ip_routing.c,v 3.2 1995/11/17 17:34:11 hampton Exp \$

* \$Source: /swtal/cherf.111/ios/sys/iprouting/ip_routing.c,v \$

*-----

* ip_routing.c -- Generic IP routing functions

*

* Mar 1995 Tony Li

*

* Copyright (c) 1995-1998, 2002-2008, 2010 by cisco Systems, Inc.

* All rights reserved.

*-----

* \$Log: ip_routing.c,v \$

* Revision 3.2 1995/11/17 17:34:11 hampton

* Remove old entries from the RCS header logs.

*

* Revision 3.1 1995/11/09 12:08:05 shaker

* Bump version numbers from 2.x to 3.x.

*

* Revision 2.1 1995/06/07 21:07:03 hampton

* Bump version numbers from 1.x to 2.x.

*

*-----

* \$Endlog\$

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/ip_routing.c

No license file was found, but licenses were detected in source scan.

/*-----

* router_af_parse.c

*

* Route Address Family command and action definitions. Derived from

* router_af_chain.c

*

* May 2002, Victor Kamensky

*

* Copyright (c) 2002-2010, 2012, 2014-2016, 2019 by cisco Systems, Inc.

* All rights reserved.

/*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/router_af_parse.c

No license file was found, but licenses were detected in source scan.

/*

/*-----

* ip_prefixlist_chain.c - Parse chains for IP Prefix Lists

*

* August 2001, Siva Yaragalla

*

* Copyright (c) 2001-2008 by cisco Systems, Inc.

* All rights reserved.

/*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/ip_prefixlist_chain.c

No license file was found, but licenses were detected in source scan.

/*

/*-----

* Registry for IP route commands in ION

*

* September 2001, Rashmi Shrivastava

*

* Copyright (c) 2001, 2003-2008 by cisco Systems, Inc.

* All rights reserved.

/*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-

tar/iprouting_cmn/internal_inc/ion_iprouting_cmd_registry.h
No license file was found, but licenses were detected in source scan.

```
/*-----  
* routemap_api_util.c -- Dynamic routemap API utility functions.  
*  
* May 2003, Tanya Shastri  
*  
* Copyright (c) 2003, 2005-2010, 2020 by cisco Systems, Inc.  
* All rights reserved.  
*-----  
*/
```

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routemap_api_util.c
No license file was found, but licenses were detected in source scan.

```
/* $Id$  
* $Source$  
*-----  
* iprouting_init_ios.c -- IP Routing Init code for Native IOS only  
*  
* October 2001, Rashmi Shrivastava  
*  
* Copyright (c) 2001-2009 by cisco Systems, Inc.  
* All rights reserved.  
*-----  
* $Log$  
*-----  
* $Endlog$  
*/
```

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_init_ios.c
No license file was found, but licenses were detected in source scan.

```
/* $Id$  
* $Source$  
*-----  
* cfg_router_summary_addr.h  
*  
* Supports the router subcommand "summary-address". Provides IP aggregation  
* configuration.  
*  
* Copyright (c) 1992-2004, 2007-2010, 2015, 2018 by cisco Systems, Inc.  
* All rights reserved.  
*  
* Longer description here.
```

```
*-----
* $Log$
*-----
* $Endlog$
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/internal_inc/cfg_router_summary_addr.h
No license file was found, but licenses were detected in source scan.
```

```
/* $Id: cfg_router_neighbor.h,v 3.3.20.1 1996/08/12 16:03:45 widmer Exp $
* $Source: /release/112/cvs/Xsys/iprouting/cfg_router_neighbor.h,v $
*-----
* C F G _ R O U T E R _ N E I G H B O R . H
*
* Copyright (c) 1992-2002, 2004-2010, 2012, 2018 by cisco Systems, Inc.
* All Rights Reserved
*-----
* $Log: cfg_router_neighbor.h,v $
* Revision 3.3.20.1 1996/08/12 16:03:45 widmer
* CSCdi65725: Create Eolns macro that defaults csb->which to 0
* Branch: California_branch
* Add Eolns and Nvgenns macro that default csb->which to 0
* Remove hidden keyword help strings
*
* Revision 3.3 1996/02/01 23:33:57 widmer
* CSCdi45325: Change Keyword/Set to use Keyword_Id macro
*
* Revision 3.2 1995/11/17 17:32:14 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1
  1995/11/09 12:05:42 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.1 1995/07/01 12:15:55 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1 1995/06/07 22:12:48 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
* $Endlog$
*/
```

Found in path(s):


```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/internal_inc/cfg_router_neighbor.h
No license file was found, but licenses were detected in source scan.
```

```
/*
*-----
* exec_clear_routemap.h -- clear route-map counters
*
* Copyright (c) 1986-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/exec_clear_routemap.h
No license file was found, but licenses were detected in source scan.
```

```
/*-----
* router_topology_parse.c - Router topology command definitions.
*
* Sept 2004, Mercia Zheng
*
* Copyright (c) 2004-2010, 2019-2020 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/router_topology_parse.c
No license file was found, but licenses were detected in source scan.
```

```
/* $Id: ip_prefixlist.h,v 3.1.2.3 1998/02/23 19:43:44 enkechen Exp $
* $Source: /release/111/cvs/Xsys/ip/ip_prefixlist.h,v $
*-----
* Generic prefix list support.
*
* June 1997, Enke Chen
*
* Copyright (c) 1997-2008, 2010 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log: ip_prefixlist.h,v $
* Revision 3.1.2.3 1998/02/23 19:43:44 enkechen
* CSCdj75270: Prefix-list: optimization for downloading large lists
* Branch: FIB_branch
*
* Revision 3.1.2.2 1998/02/11 01:55:34 soma
* Merge FIB_L3 branch into FIB branch
```

*
* Revision 3.1.2.1.8.1 1998/01/29 01:02:13 enkechen
* CSCdj77191: Reduce several chunk size parameters to save memory
* Branch: FIB_L3_branch

*
* Revision 3.1.2.1 1997/12/17 21:37:00 enkechen
* CSCdj61356: Prefix-list - facility for efficient route
filtering
* Branch: FIB_branch

*
* Revision 3.1 1997/12/17 01:46:32 enkechen
* Start with the new file.

*
*-----
* \$Endlog\$
*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/ip_prefixlist.h
No license file was found, but licenses were detected in source scan.

/*
*-----
* route_map_blob.c -- Route Map Subsystem
*
* Aug 2001, Siva Yaragalla
*
* Copyright (c) 2001-2012, 2014-2018 by cisco Systems, Inc.
* All rights reserved.
*-----
*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/route_map_blob.c
No license file was found, but licenses were detected in source scan.

/*
*-----
* iprouting_parser_linkpoints.h - iprouting parser linkpoint decls.
*
* April, 2005
*
* Copyright (c) 2005, 2007-2008, 2015 by cisco Systems, Inc.
* All rights reserved.
*-----
*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/include/iprouting_parser_linkpoints.h

No license file was found, but licenses were detected in source scan.

/* \$Id: cfg_ip_routing_routing.h,v 3.3.46.3 1996/08/12 16:03:33 widmer Exp \$

* \$Source: /release/112/cvs/Xsys/iprouting/cfg_ip_routing_routing.h,v \$

*-----

* IP routing routing commands

*

* May 1993, Robert Widmer

*

* Copyright (c) 1993-2000, 2002-2009 by cisco Systems, Inc.

* All rights reserved.

*

*-----

* \$Log: cfg_ip_routing_routing.h,v \$

* Revision 3.3.46.3 1996/08/12 16:03:33 widmer

* CSCdi65725: Create Eolns macro that defaults csb->which to 0

* Branch: California_branch

* Add Eolns and Nvgenns macro that default csb->which to 0

* Remove hidden keyword help strings

*

* Revision 3.3.46.2 1996/06/17 23:33:31 hampton

* Implement the long sought parser "default" keyword. [CSCdi60510]

* Branch: California_branch

*

* Revision 3.3.46.1 1996/04/15 21:17:41 bcole

*

CSCdi54649: IP Host Modularity, IP Automatic Stub Routing feature

* commit

* Branch: California_branch

*

* Revision 3.3 1995/12/10 00:42:36 pst

* CSCdi38750: Allow static routes with both next hop and interface

* also add "permanent" keyword for non-flapping static routes

*

* Revision 3.2 1995/11/17 17:31:40 hampton

* Remove old entries from the RCS header logs.

*

* Revision 3.1 1995/11/09 12:04:59 shaker

* Bump version numbers from 2.x to 3.x.

*

* Revision 2.4 1995/10/23 18:33:19 pst

* CSCdi42608: allow IP cache ager to be shut down, make the

* "ip cache-ager" and "ip cache-invalidate-delay"

* commands internal only.

*

* Revision 2.3 1995/07/13 21:39:05 ahh
* CSCdi36962: UDP parsing of tacacs-ds port name broken
* Restore "tacacs-ds" as a keyword, but hide it and map it to TACACS_PORT
* for backwards compatibility.

*
* Revision 2.2 1995/07/11 21:52:08 raj
* CSCdi36510: parser doesnt accept ip forward-protocol
udp xdmcp
* (Actually the parser didn't accept *any* symbolic names in the position
* of the UDP port number; only numbers. It now uses the UDP_PORT macro
* instead.

*
* Revision 2.1 1995/07/01 12:15:42 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting

*
* Revision 2.1 1995/06/07 22:08:34 hampton
* Bump version numbers from 1.x to 2.x.

*
*-----
* \$Endlog\$
*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_ip_routing_routing.h
No license file was found, but licenses were detected in source scan.

/*-----
* router_topology_registry.c
*
* Router topology registry.
*
* Sept 2004, Mercia Zheng
*
* Copyright (c) 2004-2005, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/router_topology_registry.c
No license file was found, but licenses were detected in source scan.

/* \$Id\$
* \$Source\$
*-----
* route2.c -- Routing Support: User Interface Routines
*
*-----

* 22-March-1986, Kirk Lougheed
*
* Copyright (c) 1986-2020 by cisco Systems, Inc.
* All rights reserved.

*-----
* \$Log\$
*-----

* \$Endlog\$

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/route2.c

No license file was found, but licenses were detected in source scan.

/* \$Id\$

* \$Source\$
*-----

* IP routing parse chains

*

* May 1993, Robert Widmer

*

* Copyright (c) 1993-2012, 2015-2016 by cisco Systems, Inc.

* All rights reserved.

*

*-----

* \$Log\$
*-----

* \$Endlog\$

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_chain.c

No license file was found, but licenses were detected in source scan.

/* \$Id\$

* \$Source\$
*-----

* Ifafrr_registry.c

*

* July 2010, Ahmed Bashandy

*

* Copyright (c) 2001, 2003, 2005, 2007-2008, 2010 by cisco Systems, Inc.

* All rights reserved.

*-----

* \$Log\$
*-----

* \$Endlog\$

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/lfafrr_registry.c

No license file was found, but licenses were detected in source scan.

/*

*-----

* ip_prefixlist_ionblob.c - IP Prefix Lists support for IONized clients

*

* January 2002, Siva Yaragalla

*

* Copyright (c) 2002-2003, 2005, 2007-2008 by cisco Systems, Inc.

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/ip_prefixlist_ionblob.c

No license file was found, but licenses were detected in source scan.

/*-----

* exec_routing_context.h

*

* This file defines the routing-context command syntax.

*

* March 2009, Derek Yeung

*

* Copyright (c) 2009-2010, 2015, 2020 by cisco Systems, Inc.

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/exec_routing_context.h

No license file was found, but licenses were detected in source scan.

/*

*-----

* cfg_router_topology_exit.h - Exit from router topology sub mode.

*

* Sept 2004, Mercia Zheng

*

* Copyright (c) 2004, 2006-2009 by cisco Systems, Inc.

* All rights reserved.

*-----

*/

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_router_topology_exit.h
No license file was found, but licenses were detected in source scan.

```
/* $Id: iprouting_init.c,v 1.1 2003/06/13 18:30:09 dsavage Exp dsavage $
* $Source: /view/dsavage-CSCdy77097-rip-V123/vob/ios.sys2/sys/iprouting/iprouting_init.c,v $
*-----
* iprouting_init.c -- initialize IP Routing Protocol support.
*
* 20-August-1985, Kirk Lougheed
*
* Copyright (c) 1985-2012, 2016, 2018-2019 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log: iprouting_init.c,v $
* Revision 1.1 2003/06/13 18:30:09 dsavage
* Initial revision
*
*-----
* $Endlog$
*/
```

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_init.c
No license file was found, but licenses were detected in source scan.

```
/* $Id$
* $Source$
*-----
* Address-family command; enters Address Family mode.
*
* Sept 1998, Bob Thomas
*
* Copyright (c) 1998-1999, 2001-2010, 2012, 2018 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log$
*-----
* $Endlog$
*/
```

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_router_af.h
No license file was found, but licenses were detected in source scan.

```
/*
*-----
* cfg_routetag_list.h -- Route Tag List Parser Command
*

```

```
* June 2011, Karthik Subramaniam
*
* Copyright (c) 1997-2001, 2004, 2007-2008, 2011, 2013 by cisco Systems, Inc.
* All rights reserved.
*
*-----
* $Endlog$
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_routetag_list.h
No license file was found, but licenses were detected in source scan.
```

```
/* $Id$
* $Source$
*-----
* protofltr.c -- Routing protocol filter manager support routines
*
* Jan 2006, Mercia Zheng
*
* Copyright (c) 2005-2011, 2020 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log$
*-----
* $Endlog$
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/protofltr.c
No license file was found, but licenses were detected in source scan.
```

```
/*
*-----
* exec_show_routetag_list.h
*
* Copyright (c) 1993-1996, 1998, 2003-2008, 2011 by cisco Systems, Inc.
* All rights reserved.
*
* Command parsing chain for "show route-tag".
*-----
*
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/exec_show_routetag_list.h
No license file was found, but licenses were detected in source scan.
```



```
/*
*-----
* Debugging flag declarations for protocol filter manager - ION
*
* Jan 2006, Mercia Zheng
*
* Copyright (c) 2005-2008 by cisco Systems, Inc.
* All Rights Reserved
*-----
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/protofltr_debug_flags_ion.h
No license file was found, but licenses were detected in source scan.
```

```
/*
*-----
* ipv4_subsys.c - IPv4 Routing Startup Subsystem
*
* July 2005, Mark Schaefer
*
* Copyright (c) 2005-2010, 2013 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/ipv4_subsys.c
No license file was found, but licenses were detected in source scan.
```

```
/*-----
* routemap_internal.c -- Internal funtions of routemap code.
*
* May 2003, Tanya Shastri
*
* Copyright (c) 2003, 2005-2009, 2011-2019 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routemap_internal.c
No license file was found, but licenses were detected in source scan.
```

```
/*-----
* iprouting_parse_blob.c
*
* Parser support for IP ROUTING .
```

```
* This file implements proxy eols that call iprouting parser remote
* registries.
*
* September 2001, Rashmi Shrivastava
*
* Copyright (c) 2001-2009 by cisco Systems, Inc.
* All Rights Reserved
*-----
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_parse_blob.c
No license file was found, but licenses were detected in source scan.
```

```
/*
*-----
* policylist_ionized.c - Routines to handle policy-list commands for
*                       IONized processes.
*
* November 2003, Siva Yaragalla
*
* Copyright (c) 2003-2005, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/policylist_ionized.c
No license file was found, but licenses were detected in source scan.
```

```
/* $Id$
* $Source$
*-----
* C F G _ R O U T E R _ O U T P U T - D E L A Y . H
*
* router RIP inter-frame gap subcommand
*
* Aug 1996, Dawn Li
*
* Copyright (c) 1996, 1998-1999, 2001, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log$
*-----
* $Endlog$
*/
```

Found in path(s):

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_output-delay.h

1.313 ethtool 5.8-5.e18

1.313.1 Available under license :

No license file was found, but licenses were detected in source scan.

```
# Original Creation Date Unknown
# Copyright (c) 2018 by Cisco Systems, Inc.
# All rights reserved.
```

```
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/staprun          usr/bin/staprun
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/libexec/systemtap/stapio  usr/libexec/systemtap/stapio
```

Found in path(s):

```
* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/systemtap
No license file was found, but licenses were detected in source scan.
```

```
#
# Copyright (c) 2018-2020 by Cisco Systems, Inc.
# All rights reserved.
#
# This file contains all needed files related to nfs server daemon.
#
```

```
infra/systemd/nfs-mountd.service          usr/lib/systemd/system/nfs-mountd.service
infra/systemd/nfs-server.service          usr/lib/systemd/system/nfs-server.service
infra/systemd/proc-fs-nfsd.mount          usr/lib/systemd/system/proc-fs-nfsd.mount
```

```
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/exportfs  usr/sbin/exportfs
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/rpc.mountd  usr/sbin/rpc.mountd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/rpc.nfsd  usr/sbin/rpc.nfsd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/rpcinfo  usr/bin/rpcinfo
```

(include nfs-common)

```
# The following kernel modules are needed when NFSV4 support is configured
# in kernel.
# nfsd.ko depend on auth_rpcgss.ko
# auth_rpcgss.ko depend on oid_registry.ko
```

```
-${PLATFORM_SYSROOT}/usr/lib/modules/${KERNEL_VER}/kernel/lib/oid_registry.ko
usr/lib/modules/${KERNEL_VER}/kernel/lib/oid_registry.ko
${PLATFORM_SYSROOT}/usr/lib/modules/${KERNEL_VER}/kernel/net/sunrpc/auth_gss/auth_rpcgss.ko
usr/lib/modules/${KERNEL_VER}/kernel/net/sunrpc/auth_gss/auth_rpcgss.ko
```

Found in path(s):

```
* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/nfsv4/nfs-utils
```

No license file was found, but licenses were detected in source scan.

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All rights reserved.

```
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/journalctl          usr/bin/journalctl
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/systemctl          usr/bin/systemctl
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/systemd-inhibit    usr/bin/systemd-inhibit
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/systemd-notify     usr/bin/systemd-notify
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/systemd-tmpfiles    usr/bin/systemd-tmpfiles
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/udevadm            usr/bin/udevadm
contrib/yocto/CGE7/journald.conf                             etc/systemd/journald.conf
infra/systemd/system.conf                                    etc/systemd/system.conf
linkfarm/${SYSROOT}${ARCH}${SDK}/etc/systemd/user.conf      etc/systemd/user.conf
linkfarm/${SYSROOT}${ARCH}${SDK}/etc/udev/udev.conf         etc/udev/udev.conf
/usr/lib/systemd/systemd                                    init
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system-generators/systemd-fstab-generator
usr/lib/systemd/system-generators/systemd-fstab-generator
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/basic.target
usr/lib/systemd/system/basic.target
/usr/lib/systemd/system/reboot.target                       usr/lib/systemd/system/ctrl-alt-del.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/dev-hugepages.mount
usr/lib/systemd/system/dev-hugepages.mount
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/dev-mqueue.mount
usr/lib/systemd/system/dev-mqueue.mount
infra/systemd/emergency.service                             usr/lib/systemd/system/emergency.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/emergency.target
usr/lib/systemd/system/emergency.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/final.target
usr/lib/systemd/system/final.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/halt.target
usr/lib/systemd/system/halt.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/kexec.target
usr/lib/systemd/system/kexec.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/local-fs-pre.target
usr/lib/systemd/system/local-fs-pre.target
infra/systemd/local-fs.target                               usr/lib/systemd/system/local-fs.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/network-online.target
usr/lib/systemd/system/network-online.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/network.target
usr/lib/systemd/system/network.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/paths.target
usr/lib/systemd/system/paths.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/poweroff.target
usr/lib/systemd/system/poweroff.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/reboot.target
```

```

usr/lib/systemd/system/reboot.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/remote-fs.target
usr/lib/systemd/system/remote-fs.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/rescue.service
usr/lib/systemd/system/rescue.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/rescue.target
usr/lib/systemd/system/rescue.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/shutdown.target
usr/lib/systemd/system/shutdown.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/slices.target
    usr/lib/systemd/system/slices.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/sockets.target
usr/lib/systemd/system/sockets.target
/usr/lib/systemd/system/systemd-journald.socket
usr/lib/systemd/system/sockets.target.requires/systemd-journald.socket
/usr/lib/systemd/system/systemd-udev-control.socket
usr/lib/systemd/system/sockets.target.requires/systemd-udev-control.socket
/usr/lib/systemd/system/systemd-udev-kernel.socket
usr/lib/systemd/system/sockets.target.requires/systemd-udev-kernel.socket
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/sys-kernel-config.mount
usr/lib/systemd/system/sys-kernel-config.mount
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/sys-kernel-debug.mount
usr/lib/systemd/system/sys-kernel-debug.mount
/usr/lib/systemd/system/dev-hugepages.mount
    usr/lib/systemd/system/sysinit.target.wants/dev-hugepages.mount
/usr/lib/systemd/system/dev-mqueue.mount
usr/lib/systemd/system/sysinit.target.wants/dev-mqueue.mount
/usr/lib/systemd/system/sys-kernel-config.mount
usr/lib/systemd/system/sysinit.target.wants/sys-kernel-config.mount
/usr/lib/systemd/system/sys-kernel-debug.mount
usr/lib/systemd/system/sysinit.target.wants/sys-kernel-debug.mount
/usr/lib/systemd/system/systemd-journal-flush.service
usr/lib/systemd/system/sysinit.target.wants/systemd-journal-flush.service
/usr/lib/systemd/system/systemd-journald.service
usr/lib/systemd/system/sysinit.target.wants/systemd-journald.service
/usr/lib/systemd/system/systemd-modules-load.service
    usr/lib/systemd/system/sysinit.target.wants/systemd-modules-load.service
/usr/lib/systemd/system/systemd-sysctl.service
usr/lib/systemd/system/sysinit.target.wants/systemd-sysctl.service
/usr/lib/systemd/system/systemd-tmpfiles-setup-dev.service
usr/lib/systemd/system/sysinit.target.wants/systemd-tmpfiles-setup-dev.service
/usr/lib/systemd/system/systemd-tmpfiles-setup.service
usr/lib/systemd/system/sysinit.target.wants/systemd-tmpfiles-setup.service
/usr/lib/systemd/system/systemd-udev-trigger.service
usr/lib/systemd/system/sysinit.target.wants/systemd-udev-trigger.service
/usr/lib/systemd/system/systemd-udev.service
usr/lib/systemd/system/sysinit.target.wants/systemd-udev.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-halt.service

```

```

usr/lib/systemd/system/systemd-halt.service
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/lib/systemd/system/systemd-journal-flush.service
usr/lib/systemd/system/systemd-journal-flush.service
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/lib/systemd/system/systemd-journald-dev-log.socket
usr/lib/systemd/system/systemd-journald-dev-log.socket
infra/systemd/systemd-journald.service.d/visible.conf          usr/lib/systemd/system/systemd-
journald.service.d/visible.conf
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/lib/systemd/system/systemd-fsck@.service
usr/lib/systemd/system/systemd-fsck@.service
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/lib/systemd/system/systemd-journald.socket
usr/lib/systemd/system/systemd-journald.socket
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/lib/systemd/system/systemd-kexec.service
usr/lib/systemd/system/systemd-kexec.service
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/lib/systemd/system/systemd-modules-load.service
usr/lib/systemd/system/systemd-modules-load.service
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/lib/systemd/system/systemd-poweroff.service
    usr/lib/systemd/system/systemd-poweroff.service
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/lib/systemd/system/systemd-reboot.service
usr/lib/systemd/system/systemd-reboot.service
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/lib/systemd/system/systemd-sysctl.service
usr/lib/systemd/system/systemd-sysctl.service
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/lib/systemd/system/systemd-tmpfiles-setup-dev.service
usr/lib/systemd/system/systemd-tmpfiles-setup-dev.service
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/lib/systemd/system/systemd-tmpfiles-setup.service
usr/lib/systemd/system/systemd-tmpfiles-setup.service
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/lib/systemd/system/systemd-udev-settle.service
usr/lib/systemd/system/systemd-udev-settle.service
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/lib/systemd/system/systemd-udev-trigger.service
usr/lib/systemd/system/systemd-udev-trigger.service
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/lib/systemd/system/systemd-udevd-control.socket
    usr/lib/systemd/system/systemd-udevd-control.socket
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/lib/systemd/system/systemd-udevd-kernel.socket
usr/lib/systemd/system/systemd-udevd-kernel.socket
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/lib/systemd/system/timers.target
usr/lib/systemd/system/timers.target
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/lib/systemd/system/time-sync.target
usr/lib/systemd/system/time-sync.target
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/lib/systemd/system/umount.target
usr/lib/systemd/system/umount.target
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/lib/systemd/systemd          usr/lib/systemd/systemd
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/bin/systemd-socket-activate          usr/bin/systemd-socket-
activate
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/lib/systemd/systemd-bootchart
usr/lib/systemd/systemd-bootchart
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/lib/systemd/systemd-fsck
    usr/lib/systemd/systemd-fsck
linkfarm/${SYSROOT}/${ARCH}/${SDK}/usr/lib/systemd/systemd-journald          usr/lib/systemd/systemd-
journald

```

```

linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-modules-load
usr/lib/systemd/systemd-modules-load
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-shutdown
usr/lib/systemd/systemd-shutdown
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-sysctl
usr/lib/systemd/systemd-
sysctl
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-timedated
usr/lib/systemd/systemd-timedated
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-udev
usr/lib/systemd/systemd-
udev
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/udev/rules.d/50-udev-default.rules
usr/lib/udev/rules.d/50-udev-default.rules
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/udev/rules.d/99-systemd.rules
usr/lib/udev/rules.d/99-systemd.rules
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/systemd-analyze
usr/bin/systemd-analyze
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/machine.slice
usr/lib/systemd/system/machine.slice
infra/systemd/systemd-journald.service.d/visible.conf
usr/lib/systemd/system/systemd-
journald.service.d/visible.conf

infra/systemd/sysctl/inotify-user-instances.conf
etc/sysctl.d/inotify-user-instances.conf

```

Found in path(s):

* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/systemd-common

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(include systemd-common)

```

infra/systemd/switchroot/sysinit.target
usr/lib/systemd/system/sysinit.target
infra/systemd/switchroot/systemd-journald.service
usr/lib/systemd/system/systemd-
journald.service
infra/systemd/switchroot/systemd-timedated.service
usr/lib/systemd/system/systemd-
timedated.service
infra/systemd/switchroot/systemd-udev.service
usr/lib/systemd/system/systemd-
udev.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-journald-audit.socket
usr/lib/systemd/system/systemd-journald-audit.socket

```

Found in path(s):

* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/systemd-swrt

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linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/dmesg usr/bin/dmesg
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/kill usr/bin/kill
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/mount usr/bin/mount
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/umount usr/bin/umount
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/agetty usr/sbin/agetty
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/blockdev usr/sbin/blockdev
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/cfdisk usr/sbin/cfdisk
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/ctrlaltdel usr/sbin/ctrlaltdel
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/fdisk usr/sbin/fdisk
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/fsck usr/sbin/fsck
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/hwclock usr/sbin/hwclock
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/mkswap usr/sbin/mkswap
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/pivot_root
 usr/sbin/pivot_root
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/sfdisk usr/sbin/sfdisk
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/swapoff usr/sbin/swapoff
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/swapon usr/sbin/swapon
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/arch usr/bin/arch
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/cal usr/bin/cal
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/chrt usr/bin/chrt
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/col usr/bin/col
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/colcrt usr/bin/colcrt
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/colrm usr/bin/colrm
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/column usr/bin/column
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/flock usr/bin/flock
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/getopt usr/bin/getopt
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/hexdump usr/bin/hexdump
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/ionice usr/bin/ionice
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/ipcrm
 usr/bin/ipcrm
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/ipcs usr/bin/ipcs
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/isosize usr/bin/isosize
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/last usr/bin/last
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/logger usr/bin/logger
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/look usr/bin/look
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/lslblk usr/bin/lslblk
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/mesg usr/bin/mesg
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/namei usr/bin/namei
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/newgrp usr/bin/newgrp
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/nsenter usr/bin/nsenter
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/rename usr/bin/rename
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/renice usr/bin/renice
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/rev usr/bin/rev
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/script usr/bin/script
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/setuid
 usr/bin/setuid
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/setterm usr/bin/setterm
linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/bin/taskset usr/bin/taskset


```
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/ul      usr/bin/ul
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/wall    usr/bin/wall
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/whereis  usr/bin/whereis
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/write   usr/bin/write
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/fdformat  usr/sbin/fdformat
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/mkfs    usr/sbin/mkfs
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/raw     usr/sbin/raw
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/zramctl  usr/sbin/zramctl
```

Found in path(s):

* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/util-linux

No license file was found, but licenses were detected in source scan.

#

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(include audit)

(include bash)

(include binutils)

(include bridge-utils)

(include busybox)

(include bzip2)

(include coreutils)

(include cpio)

(include dbus)

(include diffutils)

(include dosfstools)

(include e2fsprogs)

(include ethtool)

(include file)

(include filesystem)

(include findutils)

(include gawk)

(include glibc)

(include grep)

(include gzip)

(include initscripts)

(include ipcalc)

(include iproute2)

(include iptables)

(include iputils)

(include kexec-tools)

(include kmod)

(include less)

(include libcap)

(include lsof)

(include modules)

```
(include ncurses)
(include netbase)
(include netcat)
(include netkit-telnet)
(include net-tools)
(include ${NFS_VER}/nfs-utils-client)
(include pciutils)
(include procps)
(include psmisc)
(include rpcbind)
(include sed)
(include shadow)
(include strace)
(include sysklogd)
(include systemtap)
(include sysvinit)
(include
tar)
(include tcpdump)
(include tftp-hpa)
(include traceroute)
(include util-linux)
```

Found in path(s):

```
* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/all-common
```

No license file was found, but licenses were detected in source scan.

```
#
```

```
# Copyright (c) 2018 by Cisco Systems, Inc.
```

```
# All rights reserved.
```

```
# This file is to store extra files needed to support NFSV4 client.
```

```
#
```

```
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/mount.nfs usr/sbin/mount.nfs
```

```
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/umount.nfs usr/sbin/umount.nfs
```

```
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/mount.nfs4 usr/sbin/mount.nfs4
```

```
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/umount.nfs4 usr/sbin/umount.nfs4
```

```
contrib/initscripts/binos/etc/${NFS_VER}/nfsmount.conf etc/nfsmount.conf
```

```
${PLATFORM_SYSROOT}/usr/lib/modules/${KERNEL_VER}/kernel/fs/nfs/nfsv4.ko
```

```
usr/lib/modules/${KERNEL_VER}/kernel/fs/nfs/nfsv4.ko
```

```
(include nfs-common)
```

Found in path(s):

```
* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/nfsv4/nfs-utils-client
```

No license file was found, but licenses were detected in source scan.

```
#
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(include all-common)

(include systemd)

Found in path(s):
* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/all
No license file was found, but licenses were detected in source scan.
```

```
#
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#files related to nfs-statd.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/rpc.statd      usr/sbin/rpc.statd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/sm-notify      usr/sbin/sm-notify
infra/systemd/nfs-statd.service      usr/lib/systemd/system/nfs-statd.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/nfsstat      usr/sbin/nfsstat

#files related to nfs-idmapd.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/rpc.idmapd      usr/sbin/rpc.idmapd
infra/systemd/var-lib-nfs-rpc_pipefs.mount      usr/lib/systemd/system/var-lib-nfs-rpc_pipefs.mount
# plugin nsswitch for rpc.idmapd can not be figure out automatilly by dependency.
# The directory for plugin is fix to usr/lib/libnfsidmap
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/${LIB}/libnfsidmap/nsswitch.so usr/lib/libnfsidmap/nsswitch.so
linkfarm/${SYSROOT}${ARCH}${SDK}/etc/idmapd.conf
      etc/idmapd.conf
infra/systemd/nfs-idmapd.service      usr/lib/systemd/system/nfs-idmapd.service

contrib/initscripts/binos/etc/${NFS_VER}/nfs-utils.conf  etc/nfs-utils.conf
```

```
Found in path(s):
* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/nfsv4/nfs-common
No license file was found, but licenses were detected in source scan.
```

```
# Copyright (c) 2018 by Cisco Systems, Inc.
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linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/ipcalc  usr/bin/ipcalc
```

```
Found in path(s):
* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/ipcalc
No license file was found, but licenses were detected in source scan.
```

```
#
```

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#

This file contains all needed files related to nfs server daemon.

#

infra/systemd/nfs-mountd.service usr/lib/systemd/system/nfs-mountd.service

infra/systemd/nfs-server.service usr/lib/systemd/system/nfs-server.service

infra/systemd/proc-fs-nfsd.mount usr/lib/systemd/system/proc-fs-nfsd.mount

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/exportfs usr/sbin/exportfs

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/rpc.mountd usr/sbin/rpc.mountd

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/rpc.nfsd usr/sbin/rpc.nfsd

(include nfs-common)

The following optional kernel modules are put here to allow forwarding

compatible when NFSV4 support is configured in kernel.

When nfsv4 is enabled in kernel, it brings in extra dependency for

nfsd.ko, which is needed for nfsv3 verver.

#

so treat extra modules needed by nfsd.ko as optional since it depend on kernel

configure.

#

nfsd.ko depend on auth_rpcgss.ko

auth_rpcgss.ko depend on oid_registry.ko

-\${PLATFORM_SYSROOT}/usr/lib/modules/\${KERNEL_VER}/kernel/lib/oid_registry.ko

usr/lib/modules/\${KERNEL_VER}/kernel/lib/oid_registry.ko

-\${PLATFORM_SYSROOT}/usr/lib/modules/\${KERNEL_VER}/kernel/net/sunrpc/auth_gss/auth_rpcgss.ko

usr/lib/modules/\${KERNEL_VER}/kernel/net/sunrpc/auth_gss/auth_rpcgss.ko

Found in path(s):

* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/nfsv3/nfs-utils

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(include systemd-common)

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/lib/systemd/system-preset/90-systemd.preset

usr/lib/systemd/system-preset/90-systemd.preset

/usr/lib/systemd/system/tmp.mount

usr/lib/systemd/system/local-

fs.target.requires/tmp.mount

infra/systemd/sysinit.target

usr/lib/systemd/system/sysinit.target

infra/systemd/cpld-symlink.service

usr/lib/systemd/system/cpld-symlink.service

linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/lib/systemd/system/systemd-journald.service

usr/lib/systemd/system/systemd-journald.service

infra/systemd/systemd-journald.service.d/visible.conf

usr/lib/systemd/system/systemd-

```
journald.service.d/visible.conf
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-timedated.service
usr/lib/systemd/system/systemd-timedated.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-udev.service
usr/lib/systemd/system/systemd-udev.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/tmp.mount
usr/lib/systemd/system/tmp.mount
```

Found in path(s):

```
* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/systemd
```

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```
#
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```

(include all-common)

(include systemd-swrt)

Found in path(s):

```
* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/all-swrt
```

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```
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```

```
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/rpc.statd      usr/sbin/rpc.statd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/sm-notify      usr/sbin/sm-notify
infra/systemd/nfs-statd.service      usr/lib/systemd/system/nfs-statd.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/nfsstat      usr/sbin/nfsstat
```

```
contrib/initscripts/binos/etc/${NFS_VER}/nfs-utils.conf  etc/nfs-utils.conf
```

Found in path(s):

```
* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/nfsv3/nfs-common
```

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```
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```

```
#
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/ping      usr/bin/ping
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/tracepath  usr/bin/tracepath
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/in.tftpd-hpa  usr/bin/tftpd
```

Found in path(s):

* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/iputils

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May 2018, Victor Kamensky

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#

| | |
|---|---------------------|
| linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/auditd | usr/sbin/auditd |
| linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/audispd | usr/sbin/audispd |
| linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/autrace | usr/sbin/autrace |
| linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/aureport | usr/sbin/aureport |
| linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/auditctl | usr/sbin/auditctl |
| linkfarm/\${SYSROOT}\${ARCH}\${SDK}/usr/sbin/auresearch | usr/sbin/auresearch |

| | |
|--|----------------------------------|
| contrib/initscripts/binos/etc/audit/auditd.conf | etc/audit/auditd.conf |
| contrib/initscripts/binos/etc/audisp/audispd.conf | etc/audisp/audispd.conf |
| contrib/initscripts/binos/etc/audit/audit.rules | etc/audit/audit.rules |
| contrib/initscripts/binos/etc/audisp/plugins.d/syslog.conf | etc/audisp/plugins.d/syslog.conf |
| linkfarm/\${SYSROOT}\${ARCH}\${SDK}/etc/default/auditd | etc/default/auditd |
| linkfarm/\${SYSROOT}\${ARCH}\${SDK}/etc/libaudit.conf | etc/libaudit.conf |

Found in path(s):

* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/audit

1.314 cryptography 3.3.1

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1.315 libsodium 1.0.18

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1.316 python-pip 9.0.1-6.ph2

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1.318 procps 3.3.15

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Gnomovision version 69, Copyright (C) year name of author  
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
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```

it

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The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

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`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

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Version 2, June 1991

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[This is the first released version of the library GPL. It is
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The reason we have a separate public license for some libraries is that

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General Public License

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However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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That's all there is to it!

1.319 sed 4.5-2.el8

1.319.1 Available under license :

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Version 3, 29 June 2007

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section 10

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1.320 bzip2 1.0.6 26.e18

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

1.321 expat 2.2.5 4.el8

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1.322 cryptsetup 2.3.3 2.el8

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1.324 brotli 1.0.6 2.el8

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1.326 rpm 4.14.3 4.el8

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1.327 cyrus-sasl 2.1.27 5.e18

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 * Rob Earhart
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1.328 libcap 2.26 4.e18

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1.329 crypto-policies 20200713

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1.330 chkconfig 1.13 2.el8

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Any executables

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```

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1.338 e2fsprogs 1.45.6 1.e18

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Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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file system consistency checker (e2fsck.static). The EXT2 utilities
were written by Theodore Ts'o <tytso@mit.edu> and Remy Card
<card@masi.ibp.fr>.

Sources were obtained from <http://sourceforge.net/projects/e2fsprogs>

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```
#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
```

```
all:: image
```

```
real-subdirs:: Makefile
@echo " MKDIR pic"
@mkdir -p pic
```

```
BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic
```

```
image: $(BSD_LIB)
```

```
$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
`echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))
```

```
install-shlibs install:: $(BSD_LIB)
@echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)
```

install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::

```
$(RM) -f $(DESTDIR)$ (BSDLIB_INSTALL_DIR)/$(BSD_LIB)
```

clean::

```
$(RM)
```

```
-rf pic
```

```
$(RM) -f $(BSD_LIB)
```

```
$(RM) -f ../$(BSD_LIB)
```

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Index: tdbsa/tdb.c

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

*/

/*

- Unix SMB/CIFS implementation.
- + trivial database library - standalone version

- trivial database library - private includes

-

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Gadi Oxman, August 1995

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```

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Theodore Ts'o
23-June-2007

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That's all there is to it!

This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from <http://sourceforge.net/projects/e2fsprogs>

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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Constant-time SSSE3 AES core implementation.

version 0.1

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By Mike Hamburg (Stanford University), 2009

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#+STARTUP: showall
```

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.343 python-setuptools 39.2.0 6.el8

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1.344 pcre 10.32 2.el8

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1.345 libgcrypto 1.8.5 4.el8

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<one line to give the program's name and a brief idea of what it does.>

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```
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under certain conditions; type `show c' for details.
```

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```
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`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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- cipher/sha256-avx2-bmi2-amd64.S
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- random/jitterentropy.h
- random/rndjent.c (plus common Libgcrypt copyright holders)

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1.346 coreutils 8.30 8.e18

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1.351 libfastjson 0.99.8 2.el8

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1.352 zstd 1.4.4 1.el8

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1.354 lz4 1.8.3 2.el8

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Upstream-Name: liblz4

Upstream-Contact: Yann Collet <Cyan4973@github.com>

Source: <https://github.com/lz4/lz4>

Files: *

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```
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1.356 sqlite 3.26.0-13.e18

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1.357 fdisk 2.32.1

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BS=)d ;*!;_>KfB }&ea)F~H#@|DExb
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;*!;_>KfBqxY(F|0.Ve%S61opMG`YfRXvY[R+t[ BS=)d ;*!;_>KfBqxY(F|0.Ve%Q?f_{+T@Uo)2fgYZ
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1.358 kerberos 1.18.2-8.el8

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lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech_gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech_spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c

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lib/libgss/g_inquire_cred.c
lib/libgss/g_inquire_names.c
lib/libgss/g_process_context.c
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lib/libgss/g_sign.c
lib/libgss/g_store_cred.c
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lib/libgss/g_userok.c
lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

- lib/gssapi/generic/gssapi_err_generic.et
- lib/gssapi/mechglue/g_accept_sec_context.c
- lib/gssapi/mechglue/g_acquire_cred.c
- lib/gssapi/mechglue/g_canon_name.c
- lib/gssapi/mechglue/g_compare_name.c
- lib/gssapi/mechglue/g_context_time.c
- lib/gssapi/mechglue/g_delete_sec_context.c
- lib/gssapi/mechglue/g_dsp_name.c
- lib/gssapi/mechglue/g_dsp_status.c
- lib/gssapi/mechglue/g_dup_name.c
- lib/gssapi/mechglue/g_exp_sec_context.c
- lib/gssapi/mechglue/g_export_name.c
- lib/gssapi/mechglue/g_glue.c
- lib/gssapi/mechglue/g_imp_name.c
- lib/gssapi/mechglue/g_imp_sec_context.c
- lib/gssapi/mechglue/g_init_sec_context.c
- lib/gssapi/mechglue/g_initialize.c
- lib/gssapi/mechglue/g_inquire_context.c
- lib/gssapi/mechglue/g_inquire_cred.c
- lib/gssapi/mechglue/g_inquire_names.c
- lib/gssapi/mechglue/g_process_context.c
- lib/gssapi/mechglue/g_rel_buffer.c
- lib/gssapi/mechglue/g_rel_cred.c
- lib/gssapi/mechglue/g_rel_name.c
- lib/gssapi/mechglue/g_rel_oid_set.c
- lib/gssapi/mechglue/g_seal.c
- lib/gssapi/mechglue/g_sign.c
- lib/gssapi/mechglue/g_store_cred.c
- lib/gssapi/mechglue/g_unseal.c
- lib/gssapi/mechglue/g_userok.c

lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation,
including
the following new or changed files:

include/ipropr_hdr.h
kadmin/server/ipropr_svc.c
lib/kdb/ipropr.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c

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1.360 libxml2 2.9.7-9.el8

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1.361 open-ldap 2.4.46-16.el8

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1.362 tcpdump 4.9.3-1.el8

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1.363 spdylay 1.33.0-3.el8_2.1

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1.364 visual-studio-runtime 9.0.3-15.el8

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1.365 vixie-cron 1.11-16.20150630git.el8

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1.368 spdylay 1.33.0-3.el8_2.1

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1.370 libxml2 0.1.7-5.el8

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1.371 lvm2 1.02.175-

0.4.20201222gitb84a992.el8

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```
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```

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```

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1.372 rfcill 2.32.1-26.e18

1.372.1 Available under license :

```
7zXZF!t/5]oK3&K6Y^
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LFIU<>Q& }7!C}e6]]e`M,J}.dE,4hVmp
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0<P9{>s\36R)m.S(bCb7S<DP(`ka")^oy`r)7I%tU6@AS.SMoOfF3whA!!WIMcK')e/eJ1F
g|B!W|j>jf_ {JPP}oMd3rfQ+} _3<%<6jx{)11D5eg;NtD+~R]w[xiue@F#Em0hu;,,x{R7V2!Vq~AG{EX -
"0h*5x)*x\n)#I$*w!:499X1il:"P+=22cmr3J}/0o9nlB?|N&(q=$pPc!ab,6f&v/RS>O./OW[INy(BM~]-uf$Ng|"_W[0;
OXY[aB*"/_U~fQHO(3[b%o )+lq#+_d<QdLd=$1p!h0h6nfN=I+GNRk gKOL3\N3"uGxfIC
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1%QsS|11np#_(~*uM%S61opMG`YfRXvY[R+{ BS=)d ;*!;_>KfBqxY(F|0.Ve%S61opMG`YfRXvY[R+{
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Fw=|

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;*!;_>KfBqxY(F|0.Ve%S61opMG`YfRXvY[R+t[BS=)d ;*!;_>KfBqxY(F|0.Ve%Q?f_{+T@Uo)2fgYZ

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```
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7zXZF!t/o."w[7gp<G

H:Oed 18uyMQ9]FO6

87I8.mhGl^eb_X/UQKuB

)Cdk!B_M\|tw|11np#_(~*uM%S61opMG`YfRXvY[R+t[BS=)d

;*!;_>KfBqxY(F|0.Ve%S61opMG`YfRXvY[R+t[BS=)d

;*!;_>KfBqxYm+sS|11np#_(~*uM%S61opMG`YfRXvY[R+t[BS=)d

;*!;_>KfBqxY(F|0.Ve%S61opMG`YfRXvY[R+t[BS=)d ;*!;_>KfBqxY(F|0.Ve%Q?

*sS|11np#_(~*u7gi}[IgYZ

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1.373 udev 239-43.el8

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1.375 shadow 4.6-12.el8

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1.377 libdevmapper 1.02.175-

0.4.20201222gitb84a992.e18

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a

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```

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* /opt/cola/permits/1155340545_1618954533.65/0/etingof-pyasn1-v0-4-7-0-g771aa24-1-tar-gz/etingof-pyasn1-771aa24/pyasn1/codec/cer/encoder.py

```

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ASN.1 library for Python

=====

```

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```

Abstract Syntax Notation One (ASN.1

<http://en.wikipedia.org/wiki/Abstract_Syntax_Notation_1x>) is a

technology for exchanging structured data in a universally understood, hardware agnostic way. Many industrial, security and telephony applications heavily rely on ASN.1.

The `pyasn1` [<https://pypi.org/project/pyasn1/>](https://pypi.org/project/pyasn1/) library implements ASN.1 support in pure-Python.

What is ASN.1

ASN.1 is a large, arguably over-engineered and extremely old data modelling and serialisation tool. It is probably among the first serialisation protocols in the history of computer science and technology.

ASN.1 started its life over 30 years ago as a serialisation mechanism for the first electronic mail (known as X.400). Later on it was split off the e-mail application and became a stand-alone tech still being actively supported by its designers and widely used in industry and technology.

Since then ASN.1 is sort of haunted by its relations with the OSI model -- the first, unsuccessful, version of the Internet. You can read many interesting [discussions <https://news.ycombinator.com/item?id=8871453>](https://news.ycombinator.com/item?id=8871453) on that topic.

In the following years, generations of software engineers tackled the serialisation problem many times. We can see that in Google's `ProtoBuffers` [<https://developers.google.com/protocol-buffers/>](https://developers.google.com/protocol-buffers/) or `FlatBuffers` [<https://google.github.io/flatbuffers/>](https://google.github.io/flatbuffers/), for example. Interestingly, many new takes on binary protocol design do not depart far from ASN.1 from technical perspective. It's more of a matter of striking a balance between processing overhead, wire format overhead and human readability.

Looking at what ASN.1 has to offer, it has three loosely coupled parts:

- * Data types: the standard introduces a collection of basic data types (integers, bits, strings, arrays and records) that can be used for describing arbitrarily complex, nested data structures.
- * Serialisation protocols: the above data structures could be converted into a series of octets for storage or transmission over the wire as well as recovered back into their structured form. The system is fully agnostic to hardware architectures differences.
- * Schema language: ASN.1 data structures could be described in terms of a schema language for ASN.1 compiler to turn it into platform-specific implementation.

ASN.1 applications

Being an old and generally successful standard, ASN.1 is widely adopted for many uses. To give you an example, these technologies use ASN.1 for their data exchange needs:

- * Signaling standards for the public switched telephone network (SS7 family)
- * Network management standards (SNMP, CMIP)
- * Directory standards (X.500 family, LDAP)
- * Public Key Infrastructure standards (X.509, etc.)
- * PBX control (CSTA)
- * IP-based Videoconferencing (H.323 family)
- * Biometrics (BIP, CBEFF, ACBio)
- * Intelligent transportation (SAE J2735)
- * Cellular telephony (GSM, GPRS/EDGE, UMTS, LTE)

ASN.1 gotchas

Apparently, ASN.1 is hard to implement properly. Quality open-source ASN.1 tools are rare, but ad-hoc implementations are numerous. Judging from the ``statistics <http://cve.mitre.org/cgi-bin/cvekey.cgi?keyword=ASN.1>`` on discovered security vulnerabilities, many people have implemented ASN.1 parsers and oftentimes fell victim to its edge cases.

On the bright side, ASN.1 has been around for a long time, it is well understood and security reviewed.

Documentation

```
.. toctree::
  :maxdepth: 2

  /pyasn1/contents
```

Use case

```
.. toctree::
  :maxdepth: 2

  /example-use-case
```

Download & Install

```
.. toctree::
   :maxdepth: 2
```

/download

Changes

All changes and release history is maintained in changelog. There you could also download the latest unreleased pyasn1 tarball containing the latest fixes and improvements.

```
..
toctree::
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```

/changelog

License

The PyASN1 software is distributed under 2-clause BSD License.

```
.. toctree::
   :maxdepth: 2
```

/license

Getting help

Please, file your `issues` <<https://github.com/etingof/pyasn1/issues>>` _ and `PRs` <<https://github.com/etingof/pyasn1/pulls>>` _ at GitHub. Alternatively, you could ask for help at `Stack Overflow` <<http://stackoverflow.com/questions/tagged/pyasn1>>` _ or search `pyasn1-users` <<https://lists.sourceforge.net/lists/listinfo/pyasn1-users>>` _ mailing list archive.

Books on ASN.1

The pyasn1 implementation is largely based on reading up the following awesome books:

* `ASN.1 - Communication between heterogeneous systems` <<http://www.oss.com/asn1/dubuisson.html>>` _ by Olivier Dubuisson

* `ASN.1 Complete <<http://www.oss.com/asn1/resources/books-whitepapers-pubs/larmouth-asn1-book.pdf>>` _ by Prof John Larmouth

Here you can get the official standards which is hard to read:

* `ITU standards

<<http://www.itu.int/ITU-T/studygroups/com17/languages/X.680-X.693-0207w.zip>>` _

On the other end of the readability spectrum, here is a quick and sweet write up:

* `A Layman's Guide to a Subset of ASN.1, BER, and DER <<ftp://ftp.rsasecurity.com/pub/pkcs/ascii/layman.asc>>` _ by Burton S. Kaliski

If you are working with ASN.1, we'd highly recommend reading a proper book on the subject.

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* /opt/cola/permits/1155340545_1618954533.65/0/etingof-pyasn1-v0-4-7-0-g771aa24-1-tar-gz/etingof-pyasn1-771aa24/docs/source/contents.rst

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ASN.1 library for Python

[![PyPI](<https://img.shields.io/pypi/v/pyasn1.svg?maxAge=2592000>)](<https://pypi.org/project/pyasn1>)

[![Python Versions](<https://img.shields.io/pypi/pyversions/pyasn1.svg>)](<https://pypi.org/project/pyasn1/>)

[![Build status](<https://travis-ci.org/etingof/pyasn1.svg?branch=master>)](<https://secure.travis-ci.org/etingof/pyasn1>)

[![Coverage

Status](<https://img.shields.io/codecov/c/github/etingof/pyasn1.svg>)](<https://codecov.io/github/etingof/pyasn1>)

[![GitHub license]([https://img.shields.io/badge/license-BSD-](https://img.shields.io/badge/license-BSD-blue.svg)

<https://raw.githubusercontent.com/etingof/pyasn1/master/LICENSE.txt>)

This is a free and open source implementation of ASN.1 types and codecs as a Python package. It has been first written to support particular protocol (SNMP) but then generalized to be suitable for a wide range of protocols based on

[ASN.1 specification](https://www.itu.int/rec/dologin_pub.asp?lang=e&id=T-REC-X.208-198811-W!!PDF-E&type=items).

Features

*

Generic implementation of ASN.1 types (X.208)

* Standards compliant BER/CER/DER codecs

* Dumps/loads ASN.1 structures from Python types

* 100% Python, works with Python 2.4 up to Python 3.7

* MT-safe

* Contributed ASN.1 compiler [Asn1ate](<https://github.com/kimgr/asn1ate>)

Why using pyasn1

ASN.1 solves the data serialisation problem. This solution was designed long ago by the wise Ancients. Back then, they did not have the luxury of wasting bits. That is why ASN.1 is designed to serialise data structures of unbounded complexity into something compact and efficient when it comes to processing the data.

That probably explains why many network protocols and file formats still rely on the 30+ years old technology. Including a number of high-profile Internet protocols and file formats.

Quite a number of books cover the topic of ASN.1.

[Communication between heterogeneous systems](<http://www.oss.com/asn1/dubuisson.html>)

by

Olivier Dubuisson is one of those high quality books freely available on the Internet.

The pyasn1 package is designed to help Python programmers tackling network protocols and file formats at the comfort of their Python prompt. The tool struggles to capture all aspects of a rather complicated ASN.1 system and to represent it on the Python terms.

How to use pyasn1

With pyasn1 you can build Python objects from ASN.1 data structures. For example, the following ASN.1 data structure:

```
```bash
Record ::= SEQUENCE {
 id INTEGER,
 room [0] INTEGER OPTIONAL,
 house [1] INTEGER DEFAULT 0
}
```
```

Could be expressed in pyasn1 like this:

```
```python
class Record(Sequence):
 componentType = NamedTypes(
 NamedType('id', Integer()),
 OptionalNamedType(
 'room', Integer().subtype(
```

```

 implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
)
),
DefaultedNamedType(
 'house',
Integer(0).subtype(
 implicitTag=Tag(tagClassContext, tagFormatSimple, 1)
)
)
)
)
...

```

It is in the spirit of ASN.1 to take abstract data description and turn it into a programming language specific form. Once you have your ASN.1 data structure expressed in Python, you can use it along the lines of similar Python type (e.g. ASN.1 `SET` is similar to Python `dict`, `SET OF` to `list`):

```

```python
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
id=123
room=321
>>>
...

```

Part of the power of ASN.1 comes from its serialisation features. You can serialise your data structure and send it over the network.

```

```python
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)
0000: 30 07 02 01 7B 80 02 01 41
...

```

Conversely, you can turn serialised ASN.1 content, as received from network or read from a file, into a Python object which you can introspect, modify, encode and send back.

```

```python
>>> from pyasn1.codec.der.decoder import decode
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())
>>>

```

```

>>> for field in received_record:
>>> print('{} is {}'.format(field, received_record[field]))
id is 123
room is 321
house is 0
>>>
>>> record == received_record
True
>>> received_record.update(room=123)
>>> substrate = encode(received_record)
>>> hexdump(substrate)
00000: 30 06 02 01 7B 80 01 7B
...

```

The pyasn1 classes struggle to emulate their Python prototypes (e.g. int, list, dict etc.). But ASN.1 types exhibit more complicated behaviour. To make life easier for a Pythonista, they can turn their pyasn1 classes into Python built-ins:

```

```python
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321, 'house': 0}
...

```

Or vice-versa -- you can initialize an ASN.1 structure from a tree of Python objects:

```

```python
>>> from pyasn1.codec.native.decoder import decode
>>> record = decode({'id':
123, 'room': 321, 'house': 0}, asn1Spec=Record())
>>> str(record)
Record:
id=123
room=321
>>>
...

```

With ASN.1 design, serialisation codecs are decoupled from data objects, so you could turn every single ASN.1 object into many different serialised forms. As of this moment, pyasn1 supports BER, DER, CER and Python built-ins codecs. The extremely compact PER encoding is expected to be introduced in the upcoming pyasn1 release.

More information on pyasn1 APIs can be found in the [documentation](<http://snmplabs.com/pyasn1/>), compiled ASN.1 modules for different protocols and file formats

could be found in the pyasn1-modules
[repo](https://github.com/etingof/pyasn1-modules).

How to get pyasn1

The pyasn1 package is distributed under terms and conditions of 2-clause BSD [license](http://snmplabs.com/pyasn1/license.html). Source code is freely available as a GitHub [repo](https://github.com/etingof/pyasn1).

You could `pip install pyasn1` or download it from [PyPI](https://pypi.org/project/pyasn1).

If something does not work as expected, [open an issue](https://github.com/etingof/pyasn1/issues) at GitHub or post your question [on Stack Overflow](https://stackoverflow.com/questions/ask) or try browsing pyasn1 [mailing list archives](https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/).

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1.381 python3-asn1crypto 1.0.1-r0

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1.382 pyyaml 5.3.1-r0

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1.383 dosfs-tools 4.1-r0

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1.384 tcpdump 4.9.3-r0

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1.385 go-mux git-r0

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1.386 libroxml 2.3.0-r0

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1.388 golang git-r0

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Version 2.1, February 1999

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Any executables

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1.390 flex 2.6.0-r0

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1.391 popt 1.16-r3

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1.392 devmem2 1.0-r7

1.393 bash 4.2-r6

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From friedman@cli.com Thu May 25 12:19:06 1995

Flags: 10

Return-Path: friedman@cli.com

Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins)

id MAA08685; Thu, 25 May 1995 12:19:05 -0400 (from friedman@cli.com for <chet@odin.INS.CWRU.Edu>)

Received: from cli.com (cli.com [192.31.85.1]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)

id MAA11299; Thu, 25 May 1995 12:19:00 -0400 (from friedman@cli.com for <chet@po.cwru.edu>)

Received: from tepui.cli.com by cli.com (4.1/SMI-4.1)

id AA27213; Thu, 25 May 95 11:18:25 CDT

Received: by tepui.cli.com (4.1) id AA16031; Thu, 25 May 95 11:18:23 CDT

Message-Id: <9505251618.AA16031@tepucli.com>
From: friedman@gnu.ai.mit.edu (Noah Friedman)
To: chet@po.cwru.edu
Subject: Bash scripts
Reply-To: friedman@gnu.ai.mit.edu
In-Reply-To: <chet@odin.ins.cwru.edu> Thu, 25 May 1995 11:19:59 -0400
References: <9505251519.AA06424.SM@odin.INS.CWRU.Edu>
Date: Thu, 25 May 95 11:18:21 CST

>Hi. I snagged
some of your bash functions from your home directory on
>the FSF machines (naughty, I know), and I was wondering if you'd let
>me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in
~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and
es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)

From spcedt@armory.com Wed May 10 10:21:11 1995

Flags: 10

Return-Path: spcedt@armory.com

Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTTP
(8.6.10+cwru/CWRU-2.1-ins)

id KAA22876; Wed, 10 May 1995 10:21:10 -0400 (from spcedt@armory.com for <chet@odin.INS.CWRU.Edu>)

Received: from deepthought.armory.com (mmdf@deepthought.armory.com [192.122.209.42]) by po.cwru.edu with
SMTP (8.6.10+cwru/CWRU-2.3)

id BAA16354; Wed, 10 May 1995 01:33:22 -0400 (from spcedt@armory.com for <chet@po.cwru.edu>)

From: John DuBois <spcedt@armory.com>

Date: Tue, 9 May 1995 22:33:12 -0700

In-Reply-To: Chet Ramey <chet@odin.ins.cwru.edu>

"ksh scripts" (May 9, 1:36pm)

X-Www: <http://www.armory.com/~spcedt/>

X-Mailer: Mail User's Shell (7.2.5 10/14/92)

To: chet@po.cwru.edu

Subject: Re: ksh scripts

Message-ID: <9505092233.aa13001@deepthought.armory.com>

Sure. The canonical versions are available on ftp.armory.com; you might
want to pick up the latest versions
before modifying them.

John

On May 9, 1:36pm, Chet Ramey wrote:

} Subject: ksh scripts

} From odin.ins.cwru.edu!chet Tue May 9 10:39:51 1995

} Received: from odin.INS.CWRU.Edu by deepthought.armory.com id aa22336;

```
}      9 May 95 10:39 PDT
} Received: (chet@localhost) by odin.INS.CWRU.Edu (8.6.10+cwru/CWRU-2.1-ins)
} id NAA20487; Tue, 9 May 1995 13:39:24 -0400 (from chet)
} Date: Tue, 9 May 1995 13:36:54 -0400
} From: Chet Ramey <chet@odin.ins.cwru.edu>
} To: john@armory.com
} Subject: ksh scripts
} Cc: chet@odin.ins.cwru.edu
} Reply-To: chet@po.cwru.edu
} Message-ID: <9505091736.AA20411.SM@odin.INS.CWRU.Edu>
} Read-Receipt-To: chet@po.CWRU.Edu
} MIME-Version: 1.0
} Content-Type: text/plain; charset=us-ascii
} Status: OR
}
} Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for
} the FSF.
}
} I picked up a tar file of ksh scripts you wrote from an anon FTP site
} a while back. I'd like your permission to include modified versions
} of some of them in
} the next major bash distribution (with proper credit
} given, of course). Is it OK if I do that?
}
} Chet Ramey
}
} --
} ``The lyf so short, the craft so long to lerne." - Chaucer
}
} Chet Ramey, Case Western Reserve University Internet: chet@po.CWRU.Edu
}-- End of excerpt from Chet Ramey
```

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```
<one line to give the program's name and a brief idea of what it does.>  
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```

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```
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```


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From mikel@ora.com Tue Aug 1 12:13:20 1995

Flags: 10

Return-Path: mikel@ora.com

Received: from ruby.ora.com (ruby.ora.com [198.112.208.25]) by odin.INS.CWRU.Edu with ESMTP (8.6.12+cwru/CWRU-2.1-ins)

id MAA01565; Tue, 1 Aug 1995 12:13:18 -0400 (from mikel@ora.com for <chet@odin.INS.CWRU.Edu>)

Received: (from fax@localhost) by ruby.ora.com (8.6.12/8.6.11) with UUCP id MAA23251; Tue, 1 Aug 1995 12:07:51 -0400

Received: by los.ora.com (4.1/Spike-2.1)

id AA00672; Tue, 1 Aug 95 08:57:32 EDT

Date: Tue, 1 Aug 95 08:57:32 EDT

From: mikel@ora.com (Michael Loukides)

Message-Id: <9508011257.AA00672@los.ora.com>

Subject: Re: Ksh debugger from Rosenblatt's book [for bash]

To: Chet Ramey <chet@odin.INS.CWRU.Edu>

Cc: cmarie@ora.com, cam@iinet.com.au, brosenblatt@tm.com

In-Reply-To: Chet Ramey <chet@odin.INS.CWRU.Edu>, Mon, 31 Jul 1995 16:22:48 -0400

I've modified a (modified) version of Bill Rosenblatt's ksh debugger to work with bash-2.0. Does ORA have any problem with me distributing

it with bash-2.0?

That's great!

Go ahead and circulate it; in fact, we should probably grab it and stick it in our ftp archive, and put a reference to it in the book. (Too late to actually discuss the thing, at least for this edition).

1.394 jemalloc 4.0.4-r0

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1.395 e2fsprogs

1.42.99+1.43+gitAUTOINC+0f26747167-r0

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It is part of the main e2fsprogs distribution, which can be found at:

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Index: tdbsa/tdb.c

```
=====
--- tdbsa.orig/tdb.c
```

```
+++ tdbsa/tdb.c
```

```
@@ -4,11 +4,11 @@ Rev: 23371
```

```
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
```

```
*/
```

```
/*
```

```
- Unix SMB/CIFS implementation.
```

```
+ trivial database library - standalone version
```

```
- trivial database library - private includes
```

-
- Copyright (C) Andrew Tridgell 2005
- + Copyright (C) Andrew Tridgell 1999-2005
- + Copyright (C) Jeremy Allison 2000-2006
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Gadi Oxman, August 1995

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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Theodore Ts'o
23-June-2007

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In addition, mere aggregation of another work not based on the Program with the

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```
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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice
```

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Version 2, June 1991

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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while

preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

```
#  
# This is a Makefile stub which handles the creation of BSD shared  
# libraries.  
#  
# In order to use this stub, the following makefile variables must be defined.  
#  
# BSDLIB_VERSION = 1.0  
# BSDLIB_IMAGE = libce  
# BSDLIB_MYDIR = et  
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)  
#
```

all:: image

```
real-subdirs:: Makefile  
@echo " MKDIR pic"  
@mkdir -p pic
```

```
BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
```

```
BSDLIB_PIC_FLAG = -fpic
```

```
image: $(BSD_LIB)
```

```
$(BSD_LIB): $(OBJS)
```

```
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(OBJS))
```

```
$(MV) pic/$(BSD_LIB) .
```

```
$(RM) -f ../$(BSD_LIB)
```

```
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
```

```
`echo $(my_dir) | sed -e 's;lib/;;' /$(BSD_LIB) $(BSD_LIB))
```

```
install-shlibs install:: $(BSD_LIB)
```

```
@echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
```

```
@$(INSTALL_PROGRAM) $(BSD_LIB) \
```

```
$(DESTDIR)$ (BSDLIB_INSTALL_DIR)/$(BSD_LIB)
```

```
@-$(LDCONFIG)
```

```
install-strip: install
```

```
install-shlibs-strip: install-shlibs
```

```
uninstall-shlibs uninstall::
```

```
$(RM) -f $(DESTDIR)$ (BSDLIB_INSTALL_DIR)/$(BSD_LIB)
```

```
clean::
```

```
$(RM)
```

```
-rf pic
```

```
$(RM) -f $(BSD_LIB)
```

```
$(RM) -f ../$(BSD_LIB)
```

This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:

tsx-11.mit.edu/pub/linux/packages/ext2fs/

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Sources were obtained from <http://sourceforge.net/projects/e2fsprogs>

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

It is part of the main e2fsprogs distribution, which can be found at:

<http://sourceforge.net/projects/e2fsprogs>

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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1.396 open-vm-tools 10.0.7-r0

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```
>>> base64.c-none
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from unicode, inc.-none
>>> freebsd-1.72
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>>> unicode-5.0
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base64.c -- routines to encode/decode base64 data

\$OpenLDAP: pkg/ldap/libraries/liblutil/base64.c,v 1.15 2006/01/03 22:12:11 kurt Exp \$ /

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Version 2.8,

17 August 2003

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>>> convertutf.c/h from unicode, inc.-none

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1.397 sysfsutils 2.1.0-r5

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1.400 libdnet 1.12-r0

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1.403 base-passwd 3.5.29-r0

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Maintainer: Colin Watson <cjwatson@debian.org>

Files: update-passwd.c, man/*

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* GSS-API Programming Guide
* Part No: 816-1331-11
* Sun Microsystems, Inc. 4150 Network Circle Santa Clara, CA 95054 U.S.A.
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/*

* hmac.c is derived from:

Network Working Group H. Krawczyk

Request for Comments: 2104 IBM

Category: Informational M. Bellare

UCSD

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February 1997

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```
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```

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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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Initialize empty image

f1c9645dbc14efddc7d8a322685f26eb bsd.img

Create new DOS partition table

57e721e38d1266c2df055067c18f2cf9 bsd.img

---layout-----

Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors

Units: sectors of 1 * 512 = 512 bytes

Sector size (logical/physical): 512 bytes / 512 bytes

I/O size (minimum/optimal): 512 bytes / 512 bytes

Disklabel type: dos

Disk identifier: <removed>

Create 1st primary partition

ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout-----

Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors

Units: sectors of 1 * 512 = 512 bytes

Sector size (logical/physical): 512 bytes / 512 bytes

I/O size (minimum/optimal): 512 bytes / 512 bytes

Disklabel type: dos

Disk identifier: <removed>

Device Boot Start End Sectors Size Id Type

<removed>1 2048 4095 2048 1M 83 Linux

Create 2st primary partition
1bebf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8dff51a88a045db233418dd73fbe
bsd.img

---layout-----

Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

| Device | Boot | Start | End | Sectors | Size | Id | Type |
|------------|------|-------|-------|---------|------|----|---------|
| <removed>1 | | 2048 | 4095 | 2048 | 1M | 83 | Linux |
| <removed>2 | | 4096 | 20479 | 16384 | 8M | a5 | FreeBSD |

Create default BSD
2e1cee529cb59c9341afef0443f196a1 bsd.img

---layout-----

Welcome to fdisk <removed>.
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help): Disk <removed>2: 10 MiB, 10485760 bytes, 20480 sectors
Geometry: 255 heads, 63 sectors/track, 1 cylinders
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel
type: bsd
partitions: 4

| Slice | Start | End | Sectors | Size | Type | Fsize | Bsize | Cpg |
|-------|-------|-------|---------|------|--------|-------|-------|-----|
| c | 4096 | 20479 | 16384 | 8M | unused | 0 | 0 | 0 |
| d | 0 | 16064 | 16065 | 7.9M | unused | 0 | 0 | 0 |

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):

b5c121c2091b2ff26b880551feac7112 bsd.img

---layout-----

Welcome to fdisk <removed>.

Changes will remain in memory only, until you decide to write them.

Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help): Disk <removed>2: 10 MiB, 10485760 bytes, 20480 sectors

Geometry: 255 heads, 63 sectors/track, 1 cylinders

Units: sectors of 1 * 512 = 512 bytes

Sector size (logical/physical): 512 bytes / 512 bytes

I/O size (minimum/optimal): 512 bytes / 512 bytes

Disklabel type: bsd

partitions: 4

| Slice | Start | End | Sectors | Size | Type | Fsize | Bsize | Cpg |
|-------|-------|-----|---------|------|------|-------|-------|-----|
|-------|-------|-----|---------|------|------|-------|-------|-----|

| | | | | | | | | |
|---|------|------|------|----|--------|--|--|--|
| a | 4096 | 6144 | 2049 | 1M | 4.2BSD | | | |
|---|------|------|------|----|--------|--|--|--|

| | | | | | | | | |
|---|---|---|--|--|--|--|--|--|
| 0 | 0 | 0 | | | | | | |
|---|---|---|--|--|--|--|--|--|

| | | | | | | | | |
|---|------|-------|-------|----|--------|---|---|---|
| c | 4096 | 20479 | 16384 | 8M | unused | 0 | 0 | 0 |
|---|------|-------|-------|----|--------|---|---|---|

| | | | | | | | | |
|---|---|-------|-------|------|--------|---|---|---|
| d | 0 | 16064 | 16065 | 7.9M | unused | 0 | 0 | 0 |
|---|---|-------|-------|------|--------|---|---|---|

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):

Changes will remain in memory only, until you decide to write them.

Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help):

| | | | | | | | |
|---|--------|---|--------|---|--------|---|------|
| 0 | unused | 5 | 4.1BSD | 9 | 4.4LFS | d | boot |
|---|--------|---|--------|---|--------|---|------|

| | | | | | | | |
|---|------|---|----------------|---|---------|---|------|
| 1 | swap | 6 | Eighth Edition | a | unknown | e | ADOS |
|---|------|---|----------------|---|---------|---|------|

| | | | | | | | |
|---|-----------|---|--------|---|------|---|-----|
| 2 | Version 6 | 7 | 4.2BSD | b | HPFS | f | HFS |
|---|-----------|---|--------|---|------|---|-----|

| | | | | | | | |
|---|-----------|---|--------|---|----------|----|-------|
| 3 | Version 7 | 8 | MS-DOS | c | ISO-9660 | 10 | AdvFS |
|---|-----------|---|--------|---|----------|----|-------|

4 System V

Command (m for help):

/*

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1.409 libdaemon 0.14-r0

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1.410 libtool 2.4.6-r0

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1.411 netkit-rsh 0.17-r0

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1.414 python-pycrypto 2.6.1-r0

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to

BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release from | Derived from | Year | Owner | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 | | 1991-1995 | CWI | yes |
| 1.3 thru 1.5.2 | 1.2 | 1995-1999 | CNRI | yes |
| 1.6 | 1.5.2 | 2000 | CNRI | no |
| 2.0 | 1.6 | 2000 | BeOpen.com | no |
| 1.6.1 | 1.6 | 2001 | CNRI | no |
| 2.1 | 2.0+1.6.1 | 2001 | PSF | no |
| 2.0.1 | 2.0+1.6.1 | 2001 | PSF | yes |
| 2.1.1 | 2.1+2.0.1 | 2001 | PSF | yes |
| 2.2 | 2.1.1 | 2001 | PSF | yes |
| 2.1.2 | 2.1.1 | 2002 | PSF | yes |
| 2.1.3 | 2.1.2 | 2002 | | |
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| 2.2.3 | 2.2.2 | 2003 | PSF | yes |

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From dlitz@dlitz.net Sun Aug 2 21:48:25 2009
Date: Sun, 2 Aug 2009 21:48:25 -0400
From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>
To: Paul Swartz <paulswartz@gmail.com>
Subject: PyCrypto license clarification
Message-ID: <20090803014825.GA1326@rivest.dlitz.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Disposition: inline
User-Agent: Mutt/1.5.16 (2007-06-11)
Status: RO
Content-Length: 2631

Hi Paul,

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at <http://www.pycrypto.org/>.

People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them. The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify".)

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Incorporating the code into commercial products is permitted; you do not have to make source available or contribute your changes back (though that would be nice).

--amk

(www.amk.ca)

For the next PyCrypto release, I would like to take steps to move toward a clearer licensing regime. I am asking as many copyright holders as I can find if I can release PyCrypto under something clearer and more standard. Below, I have quoted a public domain dedication that was recommended in Intellectual Property and Open Source: A Practical Guide to Protecting Code, by Van Lindberg.

I have already contacted A. M. Kuchling, Robey Pointer, Barry Warsaw, Wim Lewis, Jeethu Rao, Joris Bontje, and Mark Moraes, and they have all approved the following dedication for their contributions.

I understand that you have made contributions to PyCrypto, under nickname "z3p" and/or other names. May I, on your behalf, dedicate to the public domain all your contributions to PyCrypto, with the following notice?

```
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=====
```

Regards,
- Dwayne

--

Dwayne C. Litzenger <dlitz@dlitz.net>

Key-signing

key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From paulswartz@gmail.com Mon Aug 3 12:14:07 2009

X-Maildir-Dup-Checked: Yes

Return-Path: <paulswartz@gmail.com>

X-Original-To: dwon@rivest.dlitz.net

Delivered-To: dwon@rivest.dlitz.net

Received: from goedel.dlitz.net (unknown [10.159.255.6])

by rivest.dlitz.net (Postfix) with ESMTP id 30B9D984FC4

for <dwon@rivest.dlitz.net>; Mon, 3 Aug 2009 12:14:07 -0400 (EDT)

Received: from localhost (localhost [127.0.0.1])

by goedel.dlitz.net (Postfix) with QMQP id AD9AE81068

for <dwon@rivest.dlitz.net>; Mon, 3 Aug 2009 10:14:06 -0600 (CST)

Received: (vmailmgr-postfix 32055 invoked by uid 1003); 3 Aug 2009 10:14:06 -0600

Delivered-To: m-dlitz-dlitz@dlitz.net

Received-SPF: pass (gmail.com ... _spf.google.com: 72.14.220.159 is authorized to use 'paulswartz@gmail.com' in

'mfrom' identity (mechanism 'ip4:72.14.192.0/18' matched) receiver=goedel.dlitz.net; identity=mfrom; envelope-from="paulswartz@gmail.com"; helo=fg-out-1718.google.com; client-ip=72.14.220.159

Received: from fg-out-1718.google.com (fg-out-1718.google.com [72.14.220.159]) by goedel.dlitz.net (Postfix) with ESMTP id 4E63881066 for <dlitz@dlitz.net>; Mon, 3 Aug 2009 10:14:05 -0600 (CST)

Received: by fg-out-1718.google.com with SMTP id d23so1076840fga.3 for <dlitz@dlitz.net>; Mon, 03 Aug 2009 09:14:04 -0700 (PDT)

DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed; d=gmail.com; s=gamma; h=domainkey-signature:mime-version:received:in-reply-to:references:from:date:message-id:subject:to:content-type:content-transfer-encoding; bh=A0RHBf0TnribKS5qOHJ3WYbkZ+b0cuPeuoKAvpApWcc=; b=gyTqkRhKIHadFKIZCBWsrbnMNVdQ1PWIJbyC0EvxPskaoHr3HAR96MWQNBePu/40AcVn55qlIqTdom4e9zlUEE6MwZo9kqi/Qw0L/SLib0DlQeNqo/eHYqPmuVswltaYwNAyMJY9++76rPGzqYdALsfvsmwv7Q3/bEmjVTr0tQE=

DomainKey-Signature: a=rsa-sha1; c=noFWS; d=gmail.com; s=gamma; h=mime-version:in-reply-to:references:from:date:message-id:subject:to:content-type:content-transfer-encoding; b=jze7KSMkUGilfVCXKXaaXMi5NAtGdMQOtVZZfRNyGSy68xOd2sxefjyyig3EFT6Nv6Q3opUMsT96Q6zjZND55w446kTh2uBTnz4d3NwIeEWJnG3xcliRQu/mXPFP8AzPI3CefL1ornJLM1eQ2XyuZA73jem+SJtfdHUcSD1UhgI=

MIME-Version: 1.0

Received: by 10.239.157.147 with SMTP id q19mr601802hbc.61.1249316043185; Mon, 03 Aug 2009 09:14:03 -0700 (PDT)

In-Reply-To: <20090803014825.GA1326@rivest.dlitz.net>

References: <20090803014825.GA1326@rivest.dlitz.net>

From: Paul Swartz <paulswartz@gmail.com>

Date: Mon, 3 Aug 2009 12:13:43 -0400

Message-ID: <324cfb540908030913x71d331f0kb069052f74e5ae6b@mail.gmail.com>

Subject: Re: PyCrypto license clarification

To: "Dwayne C. Litzenger" <dlitz@dlitz.net>

Content-Type: text/plain; charset=UTF-8

Content-Transfer-Encoding: quoted-printable

Status: RO

X-Status: A

Content-Length: 1450

On Sun, Aug 2, 2009 at 9:48 PM, Dwayne C. Litzenger<dlitz@dlitz.net> wrote:
te:

> Hi Paul,

>

> I am the new

maintainer of the Python Cryptography Toolkit, and I am

> working on a new release at <http://www.pycrypto.org/>.

X-Homepage: <http://www.dlitz.net/>
X-OpenPGP:
url=<http://www.dlitz.net/go/gpgkey/>;
id=19E11FE8B3CFF273ED174A24928CEC1339C25CF7 (only for key signing);
preference=unprotected
X-OpenPGP: url=<http://www.dlitz.net/go/gpgkey/>;
id=4B2AFD82FC7D9E3838D9179F1C11B877E7804B45 (2008);
preference=signencrypt
User-Agent: Mutt/1.5.16 (2007-06-11)
Status: RO
Content-Length: 1250

On Mon, Aug 03, 2009 at 12:13:43PM -0400, Paul Swartz wrote:

>On Sun, Aug 2, 2009 at 9:48 PM, Dwayne C. Litzengerber<dlitz@dlitz.net> wrote:

>> Hi Paul,

>>

>> I am the new maintainer of the Python Cryptography Toolkit, and I am

>> working on a new release at <http://www.pycrypto.org/>.

>

>That's great!

>

>> I understand that you have made contributions to PyCrypto, under nickname

>> "z3p" and/or other names. May I, on your behalf, dedicate to the public

>> domain all your contributions to PyCrypto, with the following notice?

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>> =====

>

>Yes, that's fine. Good luck with the new release!

Perfect! Thanks for the quick response!

--

Dwayne C. Litzengerber <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From dlitz@dlitz.net Sat Apr 18 09:14:20 2009

Date: Sat, 18 Apr 2009 09:14:20 -0400

From: "Dwayne C. Litzengerber" <dlitz@dlitz.net>

To: Mark Moraes <moraes@computer.org>

Subject: PyCrypto license clarification

Message-ID: <20090418131419.GA14494@rivest.dlitz.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Disposition: inline
User-Agent: Mutt/1.5.16 (2007-06-11)
Status: RO
Content-Length: 2635

Hi Mark,

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at <http://www.pycrypto.org/>.

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=====

Regards,
- Dwayne

--

Dwayne C. Litzenberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From markmoraes@yahoo.com Mon Apr 20 19:25:37 2009

X-Maildir-Dup-Checked: Yes

Return-Path: <markmoraes@yahoo.com>

X-Original-To: dwon@rivest.dlitz.net

Delivered-To: dwon@rivest.dlitz.net

Received: from goedel.dlitz.net (unknown [10.159.255.6])

by rivest.dlitz.net (Postfix) with ESMTP id 5D9AE984FDD

for <dwon@rivest.dlitz.net>; Mon, 20 Apr 2009 19:25:37 -0400 (EDT)

Received: from localhost (localhost [127.0.0.1])

by goedel.dlitz.net (Postfix) with QMQP id DE41F4025F

for <dwon@rivest.dlitz.net>; Mon, 20 Apr 2009 17:25:36 -0600 (CST)

Received: (vmailmgr-postfix 7604 invoked by uid 1003); 20 Apr 2009 17:25:36 -0600

Delivered-To: m-dlitz-dlitz@dlitz.net

Received-SPF: none (yahoo.com: No applicable sender policy available) receiver=goedel.dlitz.net; identity=mfrom; envelope-from="markmoraes@yahoo.com"; helo=web32405.mail.mud.yahoo.com; client-ip=68.142.207.198

Received: from web32405.mail.mud.yahoo.com (web32405.mail.mud.yahoo.com [68.142.207.198])

by goedel.dlitz.net (Postfix) with SMTP id B5EAF401EE

for <dlitz@dlitz.net>; Mon, 20 Apr 2009 17:25:36 -0600 (CST)

Received: (qmail 34697 invoked by uid 60001); 20 Apr 2009 23:25:33 -0000

DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed; d=yahoo.com; s=s1024; t=1240269933;

bh=OvxqbYnCg7R6tUN3YmlgFURM3CuHh1JeHyXhDzkaThU=; h=Message-ID:X-YMail-OSG:Received:X-

Mailer:Date:From:Reply-To:Subject:To:MIME-Version:Content-Type;

b=F2h2bFzpqxyKFZ8BhenniyupGw4Zvlekb9BSk91qKU+51W/TkSGBij5YZIhKLQdkQk0qLz5f4g8dT6bOME3sEY1j10hlx0K0u2UD0yoYTINBCmsdMQRoJ7ph9bmt+p/EJhRpe+FiV6aoLV0FONWiHfGDghPT1dulWXfVTqgB2aU=

DomainKey-Signature:a=rsa-sha1; q=dns; c=noFWS;

s=s1024; d=yahoo.com;

h=Message-ID:X-YMail-OSG:Received:X-Mailer:Date:From:Reply-To:Subject:To:MIME-Version:Content-Type;

b=r6RShFF5VzQLg+9tcn1xKuo4Rs4IVvXF6fdqOpQrMyRCxeFoebhuTE35grGqlomOJLwM0+mZwRb6rGkDj763caOAlo8Ect/qlADW5izXfmVQaDchTbTqmpsJBmQnTQs9iZ+InrG+3UIwtUSGfX7fhEWmI9P/HBzxf9Wp4b3j eo=;

Message-ID:

<551071.34569.qm@web32405.mail.mud.yahoo.com>

X-YMail-OSG:

FrK8aWMVM1mFJtLpMGbUbCLjbUQC.i.JkIAKUHSFsFn7t9PbtewAewXJ2uhZGCOIGCX6oVnG3u.CgqzAffY
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onq8h_TmzX9g84Bin9g_3fJ4WSXm6g6.tohLyfXcUxoz4j036wyWpTKPrWEzIUQaN83Sv_bj_Ghxw--

Received: from [69.124.140.74] by web32405.mail.mud.yahoo.com via HTTP; Mon, 20 Apr 2009 16:25:32 PDT

X-Mailer: YahooMailClassic/5.2.15 YahooMailWebService/0.7.289.1

Date: Mon, 20 Apr 2009 16:25:32 -0700 (PDT)

From: M Moraes <markmoraes@yahoo.com>

Reply-To: moraes@computer.org

Subject: Re: PyCrypto license clarification

To: "Dwayne C. Litzenger" <dlitz@dlitz.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Status: RO

X-Status: A

Content-Length: 3222

Hi Dwayne.

Sure, the new license sounds fine for all my contributions to PyCrypto, and thanks for taking it on. My apologies for not responding to your previous e-mail.

Regards,

Mark.

--- On Sat, 4/18/09, Dwayne C. Litzenger <dlitz@dlitz.net> wrote:

> From: Dwayne C. Litzenger <dlitz@dlitz.net>

> Subject: PyCrypto license clarification

> To: "Mark Moraes" <moraes@computer.org>

> Date: Saturday, April 18, 2009, 9:14 AM

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>

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>

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>
>
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>
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> (though that would be nice).
>
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>
>
> (www.amk.ca)
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> the contents of this file for
> any purpose whatsoever. No
> rights are reserved.

>
>

> =====

>

> Regards,
> - Dwayne

>

> -- Dwayne C. Litzenger <dlitz@dlitz.net>

>

Key-signing key - 19E1
> 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7
>

From dlitz@dlitz.net Mon Apr 20 20:01:37 2009

Date: Mon, 20 Apr 2009 20:01:37 -0400

From: "Dwayne C. Litzenger" <dlitz@dlitz.net>

To: moraes@computer.org

Subject: Re: PyCrypto license clarification

Message-ID: <20090421000137.GA29012@rivest.dlitz.net>

References: <551071.34569.qm@web32405.mail.mud.yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Disposition: inline

In-Reply-To: <551071.34569.qm@web32405.mail.mud.yahoo.com>

X-Primary-Address: dlitz@dlitz.net

X-Homepage: <http://www.dlitz.net/>

X-OpenPGP: url=<http://www.dlitz.net/go/gpgkey/>;

id=19E11FE8B3CFF273ED174A24928CEC1339C25CF7 (only for key signing);

preference=unprotected

X-OpenPGP: url=<http://www.dlitz.net/go/gpgkey/>;

id=4B2AFD82FC7D9E3838D9179F1C11B877E7804B45 (2008);

preference=signencrypt

User-Agent: Mutt/1.5.16 (2007-06-11)

Status: RO

Content-Length: 3677

Thanks a lot, and don't

worry about not responding to previous emails. I

do that too much myself. :)

On Mon, Apr 20, 2009 at 04:25:32PM -0700, M Moraes wrote:

>

>Hi Dwayne.

>

>Sure, the new license sounds fine for all my contributions to PyCrypto, and thanks for taking it on. My apologies for not responding to your previous e-mail.

>

>Regards,

>Mark.

>

>--- On Sat, 4/18/09, Dwayne C. Litzemberger <dlitz@dlitz.net> wrote:

>

>> From: Dwayne C. Litzemberger <dlitz@dlitz.net>

>> Subject: PyCrypto license clarification

>> To: "Mark Moraes" <moraes@computer.org>

>> Date: Saturday, April 18, 2009, 9:14 AM

>> Hi Mark,

>>

>> I am the new maintainer of the Python Cryptography Toolkit,

>> and I am

>> working on a new release at <http://www.pycrypto.org/>.

>>

>> People often ask me what license PyCrypto is covered by, if

>> it's

>> GPL-compatible, etc. Right now, I'm not really sure

>> what to tell them.

>> The text in the current LICENSE file (quoted below) is not

>> entirely clear

>> on the point of whether distributing

>> modified versions is

>> allowed. (It

>> says "distribute and use", but not "modify".)

>>

>>

>> =====

>> Distribute and use freely; there are

>> no restrictions on further

>> dissemination and usage except those

>> imposed by the laws of your

>> country of residence. This

>> software is provided "as is" without
>> warranty of fitness for use or
>> suitability for any purpose, express
>> or implied. Use at your own risk or
>> not at all.
>>
>> =====
>>
>> Incorporating the code into commercial
>> products is permitted; you do
>> not have to make source available or
>> contribute your changes back
>> (though that would be nice).
>>
>> --amk
>>
>>
>> (www.amk.ca)
>>
>> For the next PyCrypto release, I would like to take steps
>> to move toward
>> a
>> clearer licensing regime. I am asking as many
>> copyright holders as I can
>> find if I can release PyCrypto under something clearer and
>> more standard.
>> Below, I have quoted a public domain dedication that was
>> recommended in
>> Intellectual Property and Open Source: A Practical Guide
>> to Protecting
>> Code_, by Van Lindberg. I have already contacted A.
>> M. Kuchling, Robey
>> Pointer, Wim Lewis, Jeethu Rao, and Barry Warsaw, and they
>> have all
>> approved the following dedication for their contributions.
>>
>> I understand that you have made contributions to
>> PyCrypto. May I, on your
>> behalf, dedicate to the public domain all your
>> contributions to PyCrypto,
>> with the following notice?
>>
>>
>> =====
>> The contents of this file are
>> dedicated to the public domain. To the
>> extent that dedication to the public
>> domain is not available, everyone

>> is granted
a worldwide, perpetual,
>> royalty-free, non-exclusive license
>> to exercise all rights associated with
>> the contents of this file for
>> any purpose whatsoever. No
>> rights are reserved.

>>

>> =====

>>

>> Regards,

>> - Dwayne

>>

>> -- Dwayne C. Litzenberger <dlitz@dlitz.net>

>> Key-signing key - 19E1

>> 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

>>

>

--

Dwayne C. Litzenberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

Annual key (2008) - 4B2A FD82 FC7D 9E38 38D9 179F 1C11 B877 E780 4B45

From dlitz@dlitz.net Wed Aug 27 20:54:38 EDT 2008

X-Maildir-Dup-Checked: Yes

Return-Path: <dlitz@dlitz.net>

X-Original-To: dwon@rivest.dlitz.net

Delivered-To: dwon@rivest.dlitz.net

Received: from goedel.dlitz.net (unknown [10.159.255.6])

by rivest.dlitz.net (Postfix) with ESMTP id ECFDFC6641D

for <dwon@rivest.dlitz.net>; Wed, 27 Aug 2008 20:45:06 -0400 (EDT)

Received: from localhost (localhost [127.0.0.1])

by goedel.dlitz.net (Postfix) with QMQP id 99A9D100AA

for <dwon@rivest.dlitz.net>; Wed, 27 Aug 2008 18:45:05 -0600 (CST)

Received: (vmmailmgr-postfix 3270 invoked by uid 1003); 27 Aug 2008 18:45:05 -0600

Delivered-To: m-dlitz-dlitz@dlitz.net

Received-SPF: pass (goedel.dlitz.net: domain of dlitz@dlitz.net designates 193.201.42.13 as permitted sender)

Received: from m14.itconsult.net (m14.itconsult.net [193.201.42.13])

by goedel.dlitz.net (Postfix) with ESMTP id 1D3B510088

for <dlitz@dlitz.net>; Wed, 27 Aug 2008 18:45:04 -0600 (CST)

Received: from stamper.itconsult.co.uk (stamper.itconsult.co.uk

[193.201.42.31]) by m14.stamper.itconsult.co.uk (GMS

15.01.3664/NT8923.00.54dca388) with SMTP id jfxsjqaa for dlitz@dlitz.net;

Thu, 28 Aug 2008 01:45:02 +0100

To: crypt@bis.doc.gov,

enc@nsa.gov,

web_site@bis.doc.gov,

pycrypto@lists.dlitz.net,

PYTHON-CRYPTO@NIC.SURFNET.NL,

dlitz@dlitz.net

Received-SPF: Pass (m14.stamper.itconsult.co.uk: domain of dlitz@dlitz.net designates 64.5.53.201 as permitted sender) identity=mailfrom; client-ip=64.5.53.201; receiver=m14.stamper.itconsult.co.uk; helo=goedel.dlitz.net; mechanism=-all; envelope-from=dlitz@dlitz.net; Received: from goedel.dlitz.net (goedel.dlitz.net [64.5.53.201]) by m14.stamper.itconsult.co.uk (GMS 15.01.3664/NT8923.00.54dca388) with ESMTP id taxsjqaa for post@stamper.itconsult.co.uk; Thu, 28 Aug 2008 01:42:58 +0100 Received: from rivest.dlitz.net (rivest.dlitz.net [IPv6:2002:4c0a:9133:1104::1]) by goedel.dlitz.net (Postfix) with ESMTP id 667C7100B1 for <post@stamper.itconsult.co.uk>; Wed, 27 Aug 2008 18:42:56 -0600 (CST) Received: by rivest.dlitz.net (Postfix, from userid 1000) id B92F8C66420; Wed, 27 Aug 2008 20:42:55 -0400 (EDT) Received: by rivest.dlitz.net (tmda-sendmail, from uid 1000); Wed, 27 Aug 2008 20:42:54 -0400 Date: Wed, 27 Aug 2008 20:42:54 -0400 Cc: post@stamper.itconsult.co.uk Subject: PyCrypto TSU NOTIFICATION Message-ID: <20080828004254.GA31214@rivest.dlitz.net> MIME-Version: 1.0 Content-Type: text/plain; charset=us-ascii; format=flowed Content-Disposition: inline X-Primary-Address: dlitz@dlitz.net X-Homepage: http://www.dlitz.net/ X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/; id=19E11FE8B3CFF273ED174A24928CEC1339C25CF7 (only for key signing); preference=unprotected X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/; id=4B2AFD82FC7D9E3838D9179F1C11B877E7804B45 (2008); preference=signencrypt User-Agent: Mutt/1.5.16 (2007-06-11) X-Delivery-Agent: TMDA/1.1.9 (Jura) From: "Dwayne C. Litzenberger" <dlitz@dlitz.net> X-DNSBL: 0 Status: O Content-Length: 2182 Lines: 65

-----BEGIN PGP SIGNED MESSAGE-----

#####

#

This is a proof of posting certificate from
stamper.itconsult.co.uk certifying that a user
claiming to be:-

dlitz@dlitz.net
requested that this message be sent to:-
crypt@bis.doc.gov
enc@nsa.gov
web_site@bis.doc.gov
pycrypto@lists.dlitz.net
PYTHON-CRYPTO@NIC.SURFNET.NL
dlitz@dlitz.net

This certificate was issued at 00:45 (GMT)
on Thursday 28 August 2008 with reference 0520978

CAUTION: while the message may well be from the sender
indicated in the "From:" header, the sender
has NOT been authenticated by this service

For information about the Stamper service see
<http://www.itconsult.co.uk/stamper.htm>
#

#####

SUBMISSION TYPE: TSU
SUBMITTED BY: Dwayne C. Litzenberger
SUBMITTED FOR: Dwayne C. Litzenberger
POINT OF CONTACT: Dwayne C.
Litzenberger
PHONE and/or FAX: +1-613-693-1296
MANUFACTURER: n/a
PRODUCT NAME/MODEL #: The Python Cryptography Toolkit ("PyCrypto")
ECCN: 5D002

NOTIFICATION: <http://www.pycrypto.org/>

Note: I am a Canadian citizen posting software to my website located in Canada. I am not certain whether PyCrypto contains enough US-origin cryptography to be covered by U.S. export controls, but I am submitting this anyway.

(Sorry for spamming the lists, but I want there to be a record of this.)

- - -

Dwayne C. Litzenberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

Annual key (2008) - 4B2A FD82 FC7D 9E38 38D9 179F 1C11 B877 E780 4B45

-----BEGIN PGP SIGNATURE-----

Version: 2.6.3i

Charset: noconv

Comment: Stamper Reference Id: 0520978

iQEVAgUBSLX1DYGVnbVwth+BAQEcuwf9EWnXLqSO5bPzR9K9QnTPcsKbTljKjPxr
d+q0E7eE8VtnvviUcTAR9o27yvzOPxdFT864MQA7OTSbPK39aGAgA4fgAgvYH9t
UNjJ/kv8QLz/eq2fi/HNjyrwnqFnUI0uqwpOrQGbz8Y+SGpVh1gKqy1Ju45L+doq
sxbzCOPjgRv2zDdNR/2SnFmDWQXv8dSeonwIHpQDft8/LVA/gHiTDmteQIOhJQ6o
XYhY+HbRjsD741/GSpOt9IIN5ln0UgshFoLIndnNSAvWf4aPyh5KCN7ho+/BC0v/
W/pqSSiPkwmbhlPHoOltTkNc0qKLAHXqMGJNhO8AkrYZOyJksb0HsA==
=3oIX

-----END

PGP SIGNATURE-----

Date: Sun, 23 Nov 2008 15:54:35 -0800

From: Wim Lewis <wiml@hnhh.org>

Subject: Re: PyCrypto license clarification

To: "Dwayne C. Litzenger" <dlitz@dlitz.net>

Cc: Wim Lewis <wiml@hnhh.org>

Message-Id: <9D5C3135-7414-47D7-9D41-0AC6C3A84D97@hnhh.org>

-----BEGIN PGP SIGNED MESSAGE-----

Hash: SHA1

On November 23, 2008, you wrote:

>Hi Wim,

>

>I am the new maintainer of the Python Cryptography Toolkit, and I am

>working on a new release at <http://www.pycrypto.org/>.

>

>I understand that you have made contributions to PyCrypto. May I, on

>your behalf, dedicate to the public domain all your contributions to

>PyCrypto, with the following notice?

>

> =====

> The contents of this file are dedicated to the public domain. To the
> extent that dedication to the public domain is not available, everyone
> is granted a worldwide, perpetual, royalty-free, non-exclusive license
> to exercise all rights associated with the contents
of this file for

> any purpose whatsoever. No rights are reserved.

> =====

Certainly! I think the only code of mine in PyCrypto is the CAST-5 / CAST-128
implementation, which already has a public-domain notice at the top of
the file. But I am happy to have that, any any other code of mine that
might have wandered in there under an unclear open sourcish license,
distributed under the public-domain dedication you quote.

Wim.

-----BEGIN PGP SIGNATURE-----

Version: GnuPG v1.4.6 (Darwin)

iQCVAwUBSSnnA18UnN8n93LBAQLp/gQAhr7x8Av1mstc2kxEJDWTm26PTAZxMz4B
FektbDOzkxgc5580MGGeX/MVn8aw+1BHg0YD85gsntIDzkcQtb+BR/xAvJ5zKyA
J/Mn/I+I6ekJQ3juh8IPHLAduOXM9Rtguas/yR+Doaq0xOPKoBx+/5+t1lJtBcZ
wrPEa9Oui9s=
=zSY9

-----END PGP SIGNATURE-----

PyCrypto Code Submission Requirements - Rev. C

Last updated: 2009-02-28

In an effort to further clarify PyCrypto's licensing terms, anyone submitting code to PyCrypto must be able to certify the following (taken from the Linux kernel's SubmittingPatches file):

Developer's Certificate of Origin 1.1

By making a contribution to this project, I certify that:

- (a) The contribution was created in whole or in part by me and I have the right to submit it under the open source license indicated in the file; or
- (b) The contribution is based upon previous work that, to the best of my knowledge, is covered under an appropriate open source license and I have the right under that license to submit that work with modifications, whether created in whole or in part by me, under the same open source license (unless I am permitted to submit under a different license), as indicated in the file; or
- (c) The contribution was provided directly to me by some other person who certified (a), (b) or (c) and I have not modified it.
- (d) I understand and agree that this project and the contribution are public and that a record of the contribution (including all personal information I submit with it, including my sign-off) is maintained indefinitely and may be redistributed consistent with this project or the open source license(s) involved.

In addition, the code's author must not be a national, citizen, or resident of the United States of America.

In addition, the code must not be of U.S. origin.

In addition, all new code contributed to PyCrypto must be dedicated to the public domain as follows:

The contents of this file are dedicated to the public domain. To the extent that dedication to the public domain is not available, everyone is granted a worldwide, perpetual, royalty-free, non-exclusive license to exercise all rights associated with the contents of this file for any purpose whatsoever.
No rights are reserved.

==== EOF ====

From dlitz@dlitz.net Sun Nov 23 00:17:22 2008
Date: Sun, 23 Nov 2008 00:17:22 -0500
From: "Dwayne C. Litzenger" <dlitz@dlitz.net>
To: "A. M. Kuchling" <amk@amk.ca>
Subject: PyCrypto license clarification
Message-ID: <20081123051722.GA29253@rivest.dlitz.net>
MIME-Version: 1.0
Content-Type: multipart/signed; micalg=pgp-sha1;
protocol="application/pgp-signature"; boundary="YiEDa0DAkWCtVeE4"
Content-Disposition: inline
X-Primary-Address: dlitz@dlitz.net
X-Homepage: http://www.dlitz.net/
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/
id=19E11FE8B3CFF273ED174A24928CEC1339C25CF7 (only for key signing);
preference=unprotected
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/
id=4B2AFD82FC7D9E3838D9179F1C11B877E7804B45 (2008);
preference=signencrypt
User-Agent: Mutt/1.5.16 (2007-06-11)
Status: RO
Content-Length: 3461
Lines: 78

--YiEDa0DAkWCtVeE4
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Disposition: inline
Content-Transfer-Encoding: quoted-printable

Hi Andrew,

People

often ask me what license PyCrypto is covered by, if it's=20
GPL-compatible, etc. Right now, I'm not really sure what to tell them. =20
The text in the current LICENSE file (quoted below) is not entirely clear=

--=20

Dwayne C. Litzenberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

Annual key (2008) - 4B2A FD82 FC7D 9E38 38D9 179F 1C11 B877 E780 4B45

--YiEDa0DAkWCtVeE4

Content-Type: application/pgp-signature; name="signature.asc"

Content-Description:

Digital signature

Content-Disposition: inline

-----BEGIN PGP SIGNATURE-----

Version: GnuPG v1.4.5 (GNU/Linux)

iEYEARECAAYFAkko52IACgkQHfBG4d+eAS0XPPQCfcyQ2DdAXKg9N7Z+jeSFFD5EZ

yloAn33a3ZjkteyJaTbzEqImOEw8JGpf

=aBEW

-----END PGP SIGNATURE-----

--YiEDa0DAkWCtVeE4--

From amk@amk.ca Sun Nov 23 07:51:59 2008

X-Maildir-Dup-Checked: Yes

Return-Path: <amk@amk.ca>

X-Original-To: dwon@rivest.dlitz.net

Delivered-To: dwon@rivest.dlitz.net

Received: from goedel.dlitz.net (unknown [10.159.255.6])

by rivest.dlitz.net (Postfix) with ESMTP id 5C2C75047D

for <dwon@rivest.dlitz.net>; Sun, 23 Nov 2008 07:51:59 -0500 (EST)

Received: from localhost (localhost [127.0.0.1])

by goedel.dlitz.net (Postfix) with QMQP id D632D10111

for <dwon@rivest.dlitz.net>; Sun, 23 Nov 2008 06:51:58 -0600 (CST)

Received: (vmmailmgr-postfix 12026 invoked by uid 1003); 23 Nov 2008 06:51:58 -0600

Delivered-To: m-dlitz-dlitz@dlitz.net

Received-SPF: none (goedel.dlitz.net: domain of amk@amk.ca does not designate permitted sender hosts)

Received: from mail5.sea5.speakeasy.net (mail5.sea5.speakeasy.net [69.17.117.7])

by goedel.dlitz.net (Postfix) with ESMTP id 97DC710105

for <dlitz@dlitz.net>; Sun, 23 Nov 2008 06:51:58 -0600 (CST)

Received: (qmail 3992 invoked from network); 23 Nov 2008 12:51:52 -0000

Received: from dsl092-163-165.wdc2.dsl.speakeasy.net (HELO localhost) (akuchling@[66.92.163.165])
(envelope-sender <amk@amk.ca>)

by mail5.sea5.speakeasy.net (qmail-ldap-1.03) with AES256-SHA encrypted SMTP

for <dlitz@dlitz.net>; 23 Nov 2008 12:51:52 -0000

Date: Sun, 23 Nov 2008 07:51:34 -0500

From: "A.M. Kuchling" <amk@amk.ca>

To: "Dwayne C. Litzenberger" <dlitz@dlitz.net>

Subject: Re: PyCrypto license clarification

Message-ID: <20081123125134.GA21239@amk.local>
Reply-To: amk@amk.ca
References: <20081123051722.GA29253@rivest.dlitz.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
In-Reply-To: <20081123051722.GA29253@rivest.dlitz.net>
User-Agent:
Mutt/1.5.13 (2006-08-11)
Status: RO
Content-Length: 537
Lines: 15

> People often ask me what license PyCrypto is covered by, if it's
> GPL-compatible, etc. Right now, I'm not really sure what to tell them.
> The text in the current LICENSE file (quoted below) is not entirely clear
> on the point of whether distributing modified versions is allowed. (It
> says "distribute and use", but not "modify".)

The intention is that it be public domain.

> May I, on your behalf, dedicate to the public domain your considerable
> contributions to PyCrypto, with the following notice?

You may.

--amk
From dlitz@dlitz.net Sat Feb 28 23:24:14 2009
Date: Sat, 28 Feb 2009 23:24:14 -0500
From: "Dwayne C. Litzenger" <dlitz@dlitz.net>
To: Jeethu Rao <jeethurao@gmail.com>
Subject: PyCrypto license clarification
Message-ID: <20090301042414.GA15122@rivest.dlitz.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Disposition: inline
User-Agent: Mutt/1.5.16 (2007-06-11)
Status: RO
Content-Length: 2513

Hi Jeethu,

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at <http://www.pycrypto.org/>.

People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them. The text in the current LICENSE file (quoted below) is not entirely clear

on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify".)

=====
Distribute and use freely;
there are no restrictions on further
dissemination and usage except those imposed by the laws of your
country of residence. This software is provided "as is" without
warranty of fitness for use or suitability for any purpose, express
or implied. Use at your own risk or not at all.
=====

Incorporating the code into commercial products is permitted; you do
not have to make source available or contribute your changes back
(though that would be nice).

--amk (www.amk.ca)

For the next PyCrypto release, I would like to take steps to move toward a
clearer licensing regime. I am asking as many copyright holders as I can
find if I can release PyCrypto under something clearer and more standard.
Below, I have quoted a public domain dedication that was recommended in
_Intellectual Property and Open Source: A Practical Guide to Protecting
Code_, by Van Lindberg.

I have already contacted A. M. Kuchling, Robey
Pointer, and Wim Lewis, and they have all approved the following text for
their contributions.

I understand that you have made contributions to PyCrypto. May I, on your
behalf, dedicate to the public domain all your contributions to PyCrypto,
with the following notice?

=====
The contents of this file are dedicated to the public domain. To the
extent that dedication to the public domain is not available, everyone
is granted a worldwide, perpetual, royalty-free, non-exclusive license
to exercise all rights associated with the contents of this file for
any purpose whatsoever. No rights are reserved.
=====

Regards,
- Dwayne

--

Dwayne C. Litzberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From jeethurao@gmail.com Sun Mar 8 17:28:16 2009

X-Maildir-Dup-Checked:
Yes
Return-Path: <jeethurao@gmail.com>
X-Original-To: dwon@rivest.dlitz.net
Delivered-To: dwon@rivest.dlitz.net
Received: from goedel.dlitz.net (unknown [10.159.255.6])
by rivest.dlitz.net (Postfix) with ESMTP id 0CC83515D9
for <dwon@rivest.dlitz.net>; Sun, 8 Mar 2009 17:28:16 -0400 (EDT)
Received: from localhost (localhost [127.0.0.1])
by goedel.dlitz.net (Postfix) with QMQP id 4E58F450CB
for <dwon@rivest.dlitz.net>; Sun, 8 Mar 2009 15:28:15 -0600 (CST)
Received: (vmmailmgr-postfix 5011 invoked by uid 1003); 8 Mar 2009 15:28:15 -0600
Delivered-To: m-dlitz-dlitz@dlitz.net
Received-SPF: pass (gmail.com ... _spf.google.com: 209.85.198.249 is authorized to use 'jeethurao@gmail.com' in
'mfrom' identity (mechanism 'ip4:209.85.128.0/17' matched)) receiver=goedel.dlitz.net; identity=mfrom; envelope-
from="jeethurao@gmail.com"; helo=rv-out-0708.google.com; client-ip=209.85.198.249
Received: from rv-out-0708.google.com (unknown [209.85.198.249])
by goedel.dlitz.net
(Postfix) with ESMTP id 3C097449E7
for <dlitz@dlitz.net>; Sun, 8 Mar 2009 15:28:12 -0600 (CST)
Received: by rv-out-0708.google.com with SMTP id k29so1252333rvb.26
for <dlitz@dlitz.net>; Sun, 08 Mar 2009 14:27:56 -0700 (PDT)
DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;
d=gmail.com; s=gamma;
h=domainkey-signature:mime-version:received:in-reply-to:references
:date:message-id:subject:from:to:content-type;
bh=YWy9U32WCU/ksRqukHwaOZyJQBU4Yvt5mI20U6mI/g=;
b=oMjI22IIXYiJKge2zNJW3rRiUi9LqFXmey5Wp0pLItuNF+X3duyfhopTuBAKw7MwVY
B5E6VQuGVEyzBbNsctyVgq6DhQiQtouCLZymSViobmuDmKn5DtUKoxpDk0xCxQmHYaas
L9/A6D3/J66kKrNBgX9mc0GPcZTviVFYkPR0Q=
DomainKey-Signature: a=rsa-sha1; c=noaws;
d=gmail.com; s=gamma;
h=mime-version:in-reply-to:references:date:message-id:subject:from:to
:content-type;
b=Ym7CStuDEfJKay1AJyWZkZmJA1lnTcwCG6akBHAXLld8ht6PFcmlsffzZG8hJCIVJ8
vljqcT+G6cywVTBw1pyGX7ECYzr0+vhGvgdpACGrS24zikHfpSSd5GFogzXaLVvGVH8p
bqSHpfWKKtEP4gAQkiNeIq1GNtR2j8U3fnRyg=
MIME-Version: 1.0
Received: by 10.141.176.13 with SMTP id d13mr2656028rvp.231.1236547674677;
Sun, 08 Mar 2009 14:27:54 -0700 (PDT)
In-Reply-To: <20090301042414.GA15122@rivest.dlitz.net>
References: <20090301042414.GA15122@rivest.dlitz.net>
Date: Mon, 9 Mar 2009 02:57:54 +0530
Message-ID: <e3c0ddba0903081427p3a7b1058g417dd8624df68d6d@mail.gmail.com>
Subject: Re: PyCrypto license clarification
From: Jeethu Rao <jeethurao@gmail.com>
To: "Dwayne C. Litzenberger" <dlitz@dlitz.net>
Content-Type: multipart/alternative; boundary=000e0cd209d0e5a3d40464a23054

Status: RO

Content-Length: 7668

--000e0cd209d0e5a3d40464a23054

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Hi Dwayne, My contribution to pycrypto are very very minimal (The sha256 module, IIRC).

I'd be fine with the public domain license for PyCrypto.

Jeethu Rao

PS: Apologies for the delay in my response.

I don't really

check this email address all that often,

please direct any further correspondence to jeethu@jeethurao.com

On Sun, Mar 1, 2009 at 9:54 AM, Dwayne C. Litzenger <dlitz@dlitz.net> wrote:

> Hi Jeethu,

>

> I am the new maintainer of the Python Cryptography Toolkit, and I am

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express

> or implied. Use at your own risk or not at all.

> =====

>

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> (though that would be nice).

>

> --amk (www.amk.ca)

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> =====
>
> Regards,
> - Dwayne
>
> --

> Dwayne C. Litzenger <dilitz@dilitz.net>
> Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7
>

--
Jeethu Rao

--000e0cd209d0e5a3d40464a23054
Content-Type: text/html; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

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x #ccc solid;padding-left: 1ex;">Hi Jeethu,

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1. Obtaining explicit permission from the original contributors to dedicate their contributions to the public domain if they have not already done so. (See the "LEGAL/copy/stmts" directory for contributors' statements.)
2. Replacing some modules with clearly-licensed code from other sources (e.g. the DES and DES3 modules were replaced with new ones based on Tom St. Denis's public-domain LibTomCrypt library.)
3. Replacing some modules with code written from scratch (e.g. the RIPEMD and Blowfish modules were re-implemented from their respective algorithm specifications without reference to the old implementations).
4. Removing some modules altogether without replacing them.

To the best of our knowledge, with the exceptions noted below or within the files themselves, the files that constitute PyCrypto are in the public domain. Most are distributed with the following notice:

The contents of this file are dedicated to the public domain. To the extent that dedication to the public domain is not available, everyone is granted a worldwide, perpetual, royalty-free, non-exclusive license to exercise all rights associated with the contents of this file for any purpose whatsoever. No rights are reserved.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Exception:

- Portions of HMAC.py and setup.py are derived from Python 2.2, and are therefore Copyright (c) 2001, 2002, 2003 Python Software Foundation (All Rights Reserved). They are licensed by the PSF under the terms of the Python 2.2 license. (See the file LEGAL/copy/LICENSE.python-2.2 for details.)

EXPORT RESTRICTIONS:

Note that the export or re-export of cryptographic software and/or source code may be subject to regulation in your jurisdiction.

From dlitz@dlitz.net Mon May 4 22:49:14 2009

Date: Mon, 4 May 2009 22:49:14 -0400

From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>

To: Joris Bontje <joris@bontje.nl>

Subject: PyCrypto license clarification

Message-ID: <20090505024914.GA9219@rivest.dlitz.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Disposition: inline

User-Agent: Mutt/1.5.16 (2007-06-11)

Status: RO

Content-Length: 2553

Hi Joris,

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at <http://www.pycrypto.org/>.

People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them. The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify".)

```
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dissemination and usage except those imposed by the laws of your
country of residence. This software is provided "as is" without
warranty of fitness for use or suitability for any purpose, express
or implied. Use at your own risk or not at all.
=====
```

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to exercise all rights associated with the contents of this file for
any purpose whatsoever. No rights are reserved.
=====
```

Regards,
- Dwayne

--

Dwayne C. Litzenger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From joris@bontje.nl

Tue May 5 03:08:32 2009

X-Maildir-Dup-Checked: Yes

Return-Path: <joris@bontje.nl>

X-Original-To: dwon@rivest.dlitz.net

Delivered-To: dwon@rivest.dlitz.net

Received: from goedel.dlitz.net (unknown [10.159.255.6])

by rivest.dlitz.net (Postfix) with ESMTP id 7AA4B9E5078

for <dwon@rivest.dlitz.net>; Tue, 5 May 2009 03:08:32 -0400 (EDT)

Received: from localhost (localhost [127.0.0.1])

by goedel.dlitz.net (Postfix) with QMQP id 2315B40583

for <dwon@rivest.dlitz.net>; Tue, 5 May 2009 01:08:32 -0600 (CST)

Received: (vmailmgr-postfix 16890 invoked by uid 1003); 5 May 2009 01:08:32 -0600

Delivered-To: m-dlitz-dlitz@dlitz.net

Received-SPF: none (bontje.nl: No applicable sender policy available) receiver=goedel.dlitz.net; identity=mfrom; envelope-from="joris@bontje.nl"; helo=smtp6.versatel.nl; client-ip=62.58.50.97

Received: from smtp6.versatel.nl (smtp6.versatel.nl [62.58.50.97])

by goedel.dlitz.net (Postfix) with ESMTP id 2D76A4052C

for <dlitz@dlitz.net>; Tue, 5 May 2009 01:08:30

-0600 (CST)

Received: (qmail 4224 invoked by uid 0); 5 May 2009 07:08:25 -0000

Received: from qmail06.zonnet.nl (HELO dell062.admin.zonnet.nl) ([10.170.1.123])

(envelope-sender <joris@bontje.nl>)

by 10.170.1.96 (qmail-ldap-1.03) with SMTP

for <>; 5 May 2009 07:08:25 -0000
Received: by dell062.admin.zonnet.nl (Postfix, from userid 33)
id 9BE9B15759B; Tue, 5 May 2009 09:08:25 +0200 (CEST)
Received: from firewall66.interaccess.nl (firewall66.interaccess.nl
[193.173.35.66]) by www.webmail.vuurwerk.nl (Horde MIME library) with HTTP;
Tue, 05 May 2009 09:08:25 +0200
Message-ID: <20090505090825.gsq1ps7hg08wwwok@www.webmail.vuurwerk.nl>
Date: Tue, 05 May 2009 09:08:25 +0200
From: joris@bontje.nl
To: "Dwayne C. Litzenberger" <dlitz@dlitz.net>
Subject: Re: PyCrypto license clarification
References: <20090505024914.GA9219@rivest.dlitz.net>
In-Reply-To: <20090505024914.GA9219@rivest.dlitz.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset=ISO-8859-1;
format="flowed"
Content-Disposition:
inline
Content-Transfer-Encoding: 7bit
User-Agent: Internet Messaging Program (IMP) H3 (4.1.3)
Status: RO
X-Status: A
Content-Length: 3488

Hi Dwayne,

Thanks for taking over the PyCrypto library and putting in the required effort to keep this going.

I was very excited to read that it is now one of the installed libraries for Google AppsEngine!

You have my full permission to dedicate all my contributions to PyCrypto to the public domain with your suggested notice:

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Regards,
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Citeren

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>
> Regards,
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>
> --
> Dwayne C. Litzengerger <dlitz@dlitz.net>
> Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From dlitz@dlitz.net Tue May 5 17:53:47 2009
Date: Tue, 5 May 2009 17:53:47 -0400
From: "Dwayne C. Litzengerger" <dlitz@dlitz.net>
To: joris@bontje.nl
Subject: Re: PyCrypto license clarification
Message-ID: <20090505215347.GB9933@rivest.dlitz.net>
References: <20090505024914.GA9219@rivest.dlitz.net>
<20090505090825.gsq1ps7hg08wwwok@www.webmail.vuurwerk.nl>
MIME-Version:
1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Disposition: inline
In-Reply-To: <20090505090825.gsq1ps7hg08wwwok@www.webmail.vuurwerk.nl>
X-Primary-Address: dlitz@dlitz.net
X-Homepage: http://www.dlitz.net/
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/;
id=19E11FE8B3CFF273ED174A24928CEC1339C25CF7 (only for key signing);
preference=unprotected
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/;
id=4B2AFD82FC7D9E3838D9179F1C11B877E7804B45 (2008);
preference=signencrypt
User-Agent: Mutt/1.5.16 (2007-06-11)
Status: RO
Content-Length: 3863

Excellent! Thank you!

On Tue, May 05, 2009 at 09:08:25AM +0200, joris@bontje.nl wrote:
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>> --

>> Dwayne C. Litzenger <dlitz@dlitz.net>

>> Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

>

>

--

Dwayne C. Litzenger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

Annual key (2008) - 4B2A FD82 FC7D 9E38 38D9 179F 1C11 B877 E780 4B45

From dlitz@dlitz.net Sat Feb 28 21:45:09 2009

Date: Sat, 28 Feb 2009 21:45:09 -0500

From: "Dwayne C. Litzenger" <dlitz@dlitz.net>

To: Barry A Warsaw <barry@python.org>

Subject: PyCrypto license clarification

Message-ID: <20090301024509.GA13195@rivest.dlitz.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Disposition: inline

User-Agent: Mutt/1.5.16 (2007-06-11)

Status: RO

Content-Length: 2535

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--

Dwayne C. Litzberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From barry@python.org Mon
Mar 2 11:29:39 2009
X-Maildir-Dup-Checked: Yes
Return-Path: <barry@python.org>
X-Original-To: dwon@rivest.dlitz.net
Delivered-To: dwon@rivest.dlitz.net
Received: from goedel.dlitz.net (unknown [10.159.255.6])
by rivest.dlitz.net (Postfix) with ESMTP id 6E01AC6640B
for <dwon@rivest.dlitz.net>; Mon, 2 Mar 2009 11:29:39 -0500 (EST)
Received: from localhost (localhost [127.0.0.1])
by goedel.dlitz.net (Postfix) with QMQP id 0644E1007A
for <dwon@rivest.dlitz.net>; Mon, 2 Mar 2009 10:29:39 -0600 (CST)
Received: (vmailmgr-postfix 8668 invoked by uid 1003); 2 Mar 2009 10:29:39 -0600
Delivered-To: m-dlitz-dlitz@dlitz.net
Received-SPF: none (python.org: No applicable sender policy available) receiver=goedel.dlitz.net; identity=mfrom;
envelope-from="barry@python.org"; helo=mail.wooz.org; client-ip=216.15.33.230
Received: from mail.wooz.org (216-15-33-230.c3-0.slvr-ubr2.lnh-slvr.md.static.cable.rcn.com [216.15.33.230])
by goedel.dlitz.net (Postfix) with ESMTP id CCEA110073
for <dlitz@dlitz.net>;
Mon, 2 Mar 2009 10:29:38 -0600 (CST)
Received: from snowdog.wooz.org (snowdog.wooz.org [192.168.11.202])
by mail.wooz.org (Postfix) with ESMTPSA id ACE30E3C9F
for <dlitz@dlitz.net>; Mon, 2 Mar 2009 11:29:35 -0500 (EST)
Message-Id: <09BF1A39-B015-4820-97A3-8642490C8254@python.org>
From: Barry Warsaw <barry@python.org>
To: Dwayne C. Litzenger <dlitz@dlitz.net>
In-Reply-To: <20090301024509.GA13195@rivest.dlitz.net>
Content-Type: text/plain; charset=US-ASCII; format=flowed; delpsp=yes
Content-Transfer-Encoding: quoted-printable
Mime-Version: 1.0 (Apple Message framework v930.3)
Subject: Re: PyCrypto license clarification
Date: Mon, 2 Mar 2009 11:29:34 -0500
References: <20090301024509.GA13195@rivest.dlitz.net>
X-Pgp-Agent: GPGMail d55 (v55, Leopard)
X-Mailer: Apple Mail (2.930.3)
Status: RO
Content-Length: 869

-----BEGIN PGP SIGNED MESSAGE-----

Hash: SHA1

On Feb 28, 2009, at 9:45 PM, Dwayne C. Litzenger wrote:

> I am the new maintainer of the Python Cryptography Toolkit,
and I am =20=

> working on a new release at <http://www.pycrypto.org/>.

Great! I'm glad to see someone taking up the mantle of this important =20=

Python library.

- > I understand that you have made contributions to PyCrypto. May I, =20
- > on your behalf, dedicate to the public domain all your contributions =20=

- > to PyCrypto, with the following notice?

Absolutely yes.

Cheers,
Barry

-----BEGIN PGP SIGNATURE-----

Version: GnuPG v1.4.9 (Darwin)

```
iQCVAwUBSawJbnEjvBPtnXfVAQLZjgP/ecG+JdZwNvPJRfsa6rhY6+MHLdHI6agk
evkInSJQAcVHIznVIVeR5IXgvDUMakZjU4SOV7MqkhsKA9IIet7PaD9VSYgn3ra5
gElwI2DQDoOy5GExXMm74gqrrb1PCCbCRmpaYNo+DZohwHkeFBjbwDRA3wItOrH7
SK4w9VBJfY=3D
=3DQduY
```

-----END PGP SIGNATURE-----

Date: Mon, 16 Feb 2009 12:58:00 -0800

From: Robey Pointer <robey@lag.net>

Subject: Re: PyCrypto license clarification

To: "Dwayne C. Litzenger" <dlitz@dlitz.net>

Received-SPF: pass (goedel.dlitz.net: domain of robey@lag.net designates 69.61.78.186 as permitted sender)

Message-Id: <F469A078-6305-4484-BEA8-F4EC38A4154F@lag.net>

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Hash: SHA1

On 23 Nov 2008, at 07:42, Dwayne C. Litzenger wrote:

- > For the next PyCrypto release, I would like to take steps to move
- > toward a clearer licensing regime. I am asking as many copyright
- > holders as I can find if I can release PyCrypto under something
- > clearer and more standard. Below, I have quoted a public domain
- > dedication that was recommended in Intellectual Property and Open
- > Source: A Practical Guide to Protecting Code, by Van Lindberg. I
- > have already contacted A. M. Kuchling, and he has approved the
- > following dedication for his contributions.
- >
- > May I, on your behalf, dedicate
- > to the public domain all your
- > contributions to PyCrypto, with the following notice?

>
>
> =
> =====
> The contents of this file are dedicated to the public domain. To
> the
> extent that dedication to the public domain is not available,
> everyone
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> to exercise all rights associated with the contents of this file
> for
> any purpose whatsoever. No rights are reserved.
>
> =
> =====
>

In case I haven't replied to this yet: Yes, this is fine with me.

robey

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Version: GnuPG v1.4.8 (Darwin)

iEYEARECAAYFAkmZ01gACgkQQQDkKvyJ6cOLvQCfQmYYuVODvIlyLg0hgCI9LAbQ
SH8AoLJgaq1Ii7/ZYDc+/Cd8VO0xLbr
=Mv6g

-----END PGP SIGNATURE-----

00INDEX This file

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1.415 attr 2.4.47-r0

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1.416 libusb-compat 0.1.5-r0

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1.417 libmodelgbp beryllium-sr1-r0

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1.418 ppp 2.4.7-r0

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1.419 acl 2.2.52-r0

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1.420 findutils 4.6.0-r0

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1.421 go-context git-r0

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1.422 cracklib 2.9.5-r0

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When a "work that uses the Library" uses material from a header file

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Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)

Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML
looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=
r=20
GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=2Dmike

Re: [Cracklib-devel] cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18

I understand that, and you're welcome to bring it up with Alec directly and see if he wants to relicense his code as LGPL... but at this point, it was enough to just get it consistent and documented as to what it was released under. This wasn't actually a license change, just a clarification of the licensing that was already in place.=20

-- Nathan

=20

Nathan Neulinger EMail: nneul@um...

University of Missouri - Rolla Phone: (573) 341-6679

UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----

> From: cracklib-devel-bounces@li...

> [mailto:cracklib-devel-bounces@li...] On Behalf Of

> Mike Frysinger

> Sent: Monday, October 01, 2007 8:15 PM

> To: cracklib-devel@li...

> Subject: [Cracklib-devel] cracklib license

>=20

> looks like 2.8.11 is out and marked as "GPL-2" ... releasing

> libraries under

> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists

> -mike

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML

On Monday 01 October 2007, Neulinger, Nathan

wrote:

> I understand that, and you're welcome to bring it up with Alec directly
> and see if he wants to relicense his code as LGPL... but at this point,
> it was enough to just get it consistent and documented as to what it was
> released under. This wasn't actually a license change, just a
> clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not=20
GPL-2 ... it was a modified artistic license ... i didnt notice the license=
=20

change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=
eir=20
applications are also GPL-2 which imo is just wrong. it isnt the place of =
a=20
library to dictact to application writes what license they should be using.=
=20
thus LGPL-2.1 enters to fill this void.
=2Dmike

Re: [Cracklib-devel]

cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46
Seems like the ideal thing here would be for you and the other distro
maintainers to get together with Alec in a conversation and come to a
decision as to what licensing scheme y'all want. I haven't really done
much other than cleaning up the packaging and patches and a small bit of
additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan
=20

Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:33 PM
> To: Neulinger, Nathan
> Cc: cracklib-devel@li...; Alec Muffett
> Subject: Re: [Cracklib-devel] cracklib license
>=20
> On Monday 01 October 2007, Neulinger, Nathan wrote:
>> I understand that, and you're welcome to bring it up with Alec
> directly
>> and see if he wants to relicense his code as LGPL... but at this
> point,
>> it was enough to just get it consistent and documented as to what
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>> released under. This wasn't actually a license change, just a
>> clarification of the licensing that was already in place.
>=20
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> not
> GPL-2 ... it was a modified artistic license ... i didnt notice the

> license
> change until it was mentioned in the latest notes.
>=20
> unlike the old license, GPL-2 prevents people from using cracklib
> unless their
> applications are also GPL-2 which imo is just wrong. it isnt the
> place of a
> library
to dictact to application writes what license they should
> be using.
> thus LGPL-2.1 enters to fill this void.
> -mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57

> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.

I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be
linked with any code, not just GPL...

-a

Re: [Cracklib-devel] cracklib license

From: Devin Reade <gdr@gn...> - 2007-10-02 15:04

I would like to see it under LGPL as well. I
think it is in everyone's
best interests to have as secure systems as possible, and I think tainting
it via GPL will just make it less likely that the library gets used, and
will not usually cause companies/developers to GPL the dependent code
(where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct
license in this situation.

Devin

--

If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license

From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32

On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

>> Seems like the ideal thing here would be for you and the other distro
>> maintainers to get together with Alec in a conversation and come to a
>> decision as to what licensing scheme y'all want. I haven't really done
>> much other than cleaning up the packaging and patches and a small
>> bit of
>> additional

code, so whatever licensing y'all come up with is fine

>> by me.

>

> I am sympathetic. Guys, what do you reckon?

>

> What I am hearing so far is that LGPL makes sense, since it can be
> linked with any code, not just GPL...

My apologies for not chiming in in anything resembling a reasonable
timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately,
GPLv2 with the option of using the library under a later version of the
GPL would permit applications which were released under version 3 of the
GPL to use the library, too, which would be sufficient for the packages
which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:

> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
>>> Seems like the ideal thing here would be for you and the other distro
>>> maintainers to get together with Alec in a conversation and come to a
>>> decision as to what licensing scheme y'all want. I haven't really done
>>> much other than cleaning up the packaging and patches and a small
>>> bit of
>>> additional code, so whatever licensing y'all come up with is fine
>>> by me.

>>
>> I am sympathetic. Guys, what do you reckon?
>>
>> What I am hearing so far is that LGPL makes sense, since it can be
>> linked with any code, not just GPL...
>
> My apologies for not chiming in in anything resembling a reasonable
> timeframe.
>
> I'd also suggest the LGPL, for the reason you noted above. Alternately,
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the library under a later version of the
> GPL would permit applications which were released under version 3 of the
> GPL to use the library, too, which would be sufficient for the packages
> which are included in Fedora. FWIW, I'd personally lean toward LGPL.
>
> In any case, I thank you both for working on sorting this out.

looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
the change now ?
-mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18

>> In any case, I thank you both for working on sorting this out.
>
> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
> the change now ?

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML

On Sunday 05 October

2008, Alec Muffett wrote:

>>> In any case, I thank you both for working on sorting this out.
>>
>> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we
>> make the change now ?
>
> yes. go for it. thanks++

Nathan Neulinger is the only one who can actually make said change ...

-mike

BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

From
alecm@crypticide.com Mon Oct 1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id 191Gxtpr020623
for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from
[82.68.43.14] (helo=[192.168.1.3])
by rutherford.zen.co.uk with esmtp (Exim 4.50)
id 1IcOcX-0004Qt-6L
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>

References: <1190922867.3457.147.camel@localhost.localdomain>
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length:
585
Lines: 21

>
> ----- Forwarded message -----
> From: Neulinger, Nathan <nneul@umr.edu>
> Date: Sep 27, 2007 2:58 PM
> Subject: RE: cracklib license
> To: alecm@crypto.dircon.co.uk
>
> Any chance you could write me a self-contained email stating clearly
> that the license is being changed to GPL, so I could include that
> email
> in the repository and clean up the repository/tarballs? I have all the
> original discussion, but something succinct and self contained
> would be
> ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

1.423 go-systemd

4+gitb4a58d95188dd092ae20072bac14cece0e
67c388-r0

1.423.1 Available under license :

Apache License

Version 2.0, January 2004

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1.424 libcap-ng 0.7.9-r0

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Version 2.1, February 1999

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1.429 grpc-go 1.4.0+gitAUTOINC+777daa17ff-r0

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1.430 o-profile 1.3.0-r0

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```
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```

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1.431 net-tools 1.60-26-r0

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```

```
*/
```

```
#include "config.h"
```

```

#if HAVE_AFNETROM || HAVE_HWNETROM
#include <sys/types.h>
#include <sys/ioctl.h>
#include <sys/socket.h>
#include <net/if_arp.h>
#if (__GLIBC__ > 2) || (__GLIBC__ == 2 && __GLIBC_MINOR__ >= 1)
#include <netax25/ax25.h>
#else
#include <linux/ax25.h>
#endif
#include <stdlib.h>
#include <stdio.h>
#include <ctype.h>
#include <errno.h>
#include <fcntl.h>
#include <string.h>
#include <termios.h>
#include <unistd.h>
#include "net-support.h"
#include "pathnames.h"
#include "intl.h"
#include "util.h"

```

```
static char netrom_errmsg[128];
```

```
extern struct aftype netrom_aftype;
```

```
static char *NETROM_print(unsigned char *ptr)
```

```

{
    static char buff[8];
    int i;

    for (i = 0; i < 6; i++) {
        buff[i] = ((ptr[i] & 0377) >> 1);
        if (buff[i] == ' ')
            buff[i] = '\0';
    }
    buff[6] = '\0';
    i = ((ptr[6] & 0x1E) >> 1);
    if (i != 0)
        sprintf(&buff[strlen(buff)], "-%d", i);
    return (buff);
}

```

```
/* Display an AX.25 socket address. */
```

```
static char *NETROM_sprint(struct sockaddr *sap, int numeric)
```

```

{
    char buf[64];
    if (sap->sa_family == 0xFFFF || sap->sa_family == 0)
return safe_strncpy(buf, _("[NONE SET]"), sizeof(buf));
    return (NETROM_print(((struct sockaddr_ax25 *) sap)->sax25_call.ax25_call));
}

```

```

static int NETROM_input(int type, char *bufp, struct sockaddr *sap)

```

```

{
    unsigned char *ptr;
    char *orig, c;
    unsigned int i;

    sap->sa_family = netrom_aftype.af;
    ptr = ((struct sockaddr_ax25 *) sap)->sax25_call.ax25_call;

    /* First, scan and convert the basic callsign. */
    orig = bufp;
    i = 0;
    while ((*bufp != '\0') && (*bufp
!= '-') && (i < 6)) {
        c = *bufp++;
        if (islower(c))
            c = toupper(c);
        if (!(isupper(c) || isdigit(c))) {
            safe_strncpy(netrom_errmsg, _("Invalid callsign"), sizeof(netrom_errmsg));
#ifdef DEBUG
            fprintf(stderr, "netrom_input(%s): %s !\n", netrom_errmsg, orig);
#endif
            errno = EINVAL;
            return (-1);
        }
        *ptr++ = (unsigned char) ((c << 1) & 0xFE);
        i++;
    }

    /* Callsign too long? */
    if ((i == 6) && (*bufp != '-') && (*bufp != '\0')) {
        safe_strncpy(netrom_errmsg, _("Callsign too long"), sizeof(netrom_errmsg));
#ifdef DEBUG
            fprintf(stderr, "netrom_input(%s): %s !\n", netrom_errmsg, orig);
#endif
            errno = E2BIG;
            return (-1);
        }
    /* Nope, fill out the address bytes with blanks. */
    while (i++ < sizeof(ax25_address) - 1) {

```

```

*ptr++ = (unsigned char)((' ' << 1) & 0xFE);
}

/* See if we need to add an SSID field. */
if (*bufp == '-') {
i = atoi(++bufp);
*ptr = (unsigned char)((i << 1) & 0xFE);
}
else {
*ptr = (unsigned char) '\0';
}

/* All done. */
#ifdef DEBUG
fprintf(stderr, "netrom_input(%s): ", orig);
for (i = 0; i < sizeof(ax25_address); i++)
fprintf(stderr, "%02X ", sap->sa_data[i] & 0377);
fprintf(stderr, "\n");
#endif

return (0);
}

/* Display an error message. */
static void NETROM_herror(char *text)
{
if (text == NULL)
fprintf(stderr, "%s\n", netrom_errmsg);
else
fprintf(stderr, "%s: %s\n", text, netrom_errmsg);
}

static int NETROM_hinput(char *bufp, struct sockaddr *sap)
{
if (NETROM_input(0, bufp, sap) < 0)
return (-1);
sap->sa_family = ARPHRD_NETROM;
return (0);
}

#if 0
/* Set the line discipline of a terminal line. */
static int KISS_set_disc(int fd, int disc)
{
if (ioctl(fd, TIOCSETD, &disc) < 0) {
fprintf(stderr, "KISS_set_disc(%d): %s\n", disc, strerror(errno));
}
}
#endif

```

```

return (-errno);
}
return (0);
}

/* Start the KISS encapsulation on the file descriptor.
*/
static int KISS_init(int fd)
{
    if (KISS_set_disc(fd, N_SLIP) < 0)
return (-1);
    if (ioctl(fd, SIOCSIFENCAP, 4) < 0)
return (-1);
    return (0);
}
#endif

struct hwtype netrom_hwtype =
{
    "netrom", NULL, /* "AMPR NET/ROM", */ ARPHRD_NETROM, 7,
    NETROM_print, NETROM_hinput, NULL, 0
};

struct aftype netrom_aftype =
{
    "netrom", NULL, /* "AMPR NET/ROM", */ AF_NETROM, 7,
    NETROM_print, NETROM_sprint, NETROM_input, NETROM_herror,
    NULL, NULL, NULL,
    -1,
    "/proc/net/nr"
};

#endif /* HAVE_AFNETROM */
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```

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/*

* include/uapi/linux/tipc.h: Header for TIPC socket interface

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Gocheck - A rich testing framework for Go

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Go support for Protocol Buffers - Google's data interchange format

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/* compr1c.h --

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Markus F.X.J. Oberhumer
<markus@oberhumer.com>
<http://www.oberhumer.com/opensource/lzo/>
*/

```
#define LZO_NEED_DICT_H 1
#include "config1.c.h"
```

```
#if !defined(COMPRESS_ID)
#define COMPRESS_ID LZO_PP_ECONCAT2(DD_BITS,CLEVEL)
#endif
```

```
#include "lzo1b_c.ch"
```

```
/*
//
***/
```

```
#define LZO_COMPRESS \  
LZO_PP_ECONCAT3(lzo1c_,COMPRESS_ID,_compress)
```

```
#define LZO_COMPRESS_FUNC \  
LZO_PP_ECONCAT3(_lzo1c_,COMPRESS_ID,_compress_func)
```

```
/*
//
***/
```

```
const lzo_compress_t LZO_COMPRESS_FUNC = do_compress;
```

```
LZO_PUBLIC(int)
LZO_COMPRESS ( const lzo_bytep in, lzo_uint in_len,
               lzo_bytep out, lzo_uintp out_len,
               lzo_voidp wrkmem )
{
    return _lzo1c_do_compress(in,in_len,out,out_len,wrkmem,do_compress);
}
```

/*

vim:set ts=4 sw=4 et: */

1.436 python3-pycrypto 2.6.1-r0

1.436.1 Available under license :

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A. HISTORY OF THE SOFTWARE

=====

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release from | Derived from | Year | Owner | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 | | 1991-1995 | CWI | yes |
| 1.3 thru 1.5.2 | 1.2 | 1995-1999 | CNRI | yes |
| 1.6 | 1.5.2 | 2000 | CNRI | no |
| 2.0 | 1.6 | 2000 | BeOpen.com | no |
| 1.6.1 | 1.6 | 2001 | CNRI | no |

| | | | | |
|-------|-----------|------|-----|-----|
| 2.1 | 2.0+1.6.1 | 2001 | PSF | no |
| 2.0.1 | 2.0+1.6.1 | 2001 | PSF | yes |
| 2.1.1 | 2.1+2.0.1 | 2001 | PSF | yes |
| 2.2 | 2.1.1 | 2001 | PSF | yes |
| 2.1.2 | 2.1.1 | 2002 | PSF | yes |
| 2.1.3 | 2.1.2 | 2002 | | |
| | PSF | yes | | |
| 2.2.1 | 2.2 | 2002 | PSF | yes |
| 2.2.2 | 2.2.1 | 2002 | PSF | yes |
| 2.2.3 | 2.2.2 | 2003 | PSF | yes |

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From dlitz@dlitz.net Sun Aug 2 21:48:25 2009

Date: Sun, 2 Aug 2009 21:48:25 -0400

From: "Dwayne C. Litzenger" <dlitz@dlitz.net>

To: Paul Swartz <paulswartz@gmail.com>

Subject: PyCrypto license clarification

Message-ID: <20090803014825.GA1326@rivest.dlitz.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Disposition: inline

User-Agent: Mutt/1.5.16 (2007-06-11)

Status: RO

Content-Length: 2631

Hi Paul,

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at <http://www.pycrypto.org/>.

People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them. The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify".)

```
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```

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--amk (www.amk.ca)

For the next PyCrypto release, I would like to take steps to move toward a clearer licensing regime. I am asking as many copyright holders as I can find if I can release PyCrypto under something clearer and more standard. Below, I have quoted a public domain dedication that was recommended in Intellectual Property and Open Source: A Practical Guide to Protecting Code, by Van Lindberg.

I have already contacted A. M. Kuchling, Robey Pointer, Barry Warsaw, Wim Lewis, Jeethu Rao, Joris Bontje, and Mark Moraes, and they have all approved the following dedication for their contributions.

I understand that you have made contributions to PyCrypto, under nickname "z3p" and/or other names. May I, on your behalf, dedicate to the public domain all your contributions to PyCrypto, with the following notice?

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```

any purpose whatsoever. No rights are reserved.

=====
Regards,
- Dwayne

--

Dwayne C. Litzenger <dlitz@dlitz.net>

Key-signing

key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From paulswartz@gmail.com Mon Aug 3 12:14:07 2009

X-Maildir-Dup-Checked: Yes

Return-Path: <paulswartz@gmail.com>

X-Original-To: dwon@rivest.dlitz.net

Delivered-To: dwon@rivest.dlitz.net

Received: from goedel.dlitz.net (unknown [10.159.255.6])

by rivest.dlitz.net (Postfix) with ESMTP id 30B9D984FC4

for <dwon@rivest.dlitz.net>; Mon, 3 Aug 2009 12:14:07 -0400 (EDT)

Received: from localhost (localhost [127.0.0.1])

by goedel.dlitz.net (Postfix) with QMQP id AD9AE81068

for <dwon@rivest.dlitz.net>; Mon, 3 Aug 2009 10:14:06 -0600 (CST)

Received: (vmmailmgr-postfix 32055 invoked by uid 1003); 3 Aug 2009 10:14:06 -0600

Delivered-To: m-dlitz-dlitz@dlitz.net

Received-SPF: pass (gmail.com ... _spf.google.com: 72.14.220.159 is authorized to use 'paulswartz@gmail.com' in 'mfrom' identity (mechanism 'ip4:72.14.192.0/18' matched)) receiver=goedel.dlitz.net; identity=mfrom; envelope-from="paulswartz@gmail.com"; helo=fg-out-1718.google.com; client-ip=72.14.220.159

Received: from fg-out-1718.google.com (fg-out-1718.google.com [72.14.220.159])

by goedel.dlitz.net (Postfix) with ESMTP id 4E63881066

for <dlitz@dlitz.net>; Mon, 3 Aug 2009 10:14:05 -0600 (CST)

Received: by fg-out-1718.google.com with SMTP id d23so1076840fga.3

for <dlitz@dlitz.net>; Mon, 03 Aug 2009 09:14:04 -0700 (PDT)

DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;

d=gmail.com; s=gamma;

h=domainkey-signature:mime-version:received:in-reply-to:references

:from:date:message-id:subject:to:content-type

:content-transfer-encoding;

bh=A0RHBf0TnribKS5qOHJ3WYbkZ+b0cuPeuoKAvpApWcc=;

b=gyTqkRhKIHadFKIZCBWsRbnMNVdQ1PWlJbyC0EvxPskaoHr3HAR96MWQNBePu/40Ac

Vn55qllqTdom4e9zIUee6MwZo9kqi/Qw0L/SLib0DIQeNqo/eHYqPmuVswltaYwNAyMJ

Y9++76rPGzqYdALsfvsmwv7Q3/bEmjVTr0tQE=

DomainKey-Signature: a=rsa-sha1; c=noFWS;

d=gmail.com; s=gamma;

h=mime-version:in-reply-to:references:from:date:message-id:subject:to

:content-type:content-transfer-encoding;

b=jze7KSMkUGilfVCXKXaaXMi5NAtGdMQOtVZZfRNyGSy68xOd2sxefjyyig3EfT6Nv6

Q3opUMsT96Q6zjZND55w446kTh2uBTNz4d3NwIeEWJnG3xcliRQu/mXPfP8AzPI3CefL

1ornJLM1eQ2XyuZA73jem+SJtfdHUcSD1UhgI=
MIME-Version: 1.0
Received: by 10.239.157.147 with SMTP id q19mr601802hbc.61.1249316043185; Mon,
03 Aug 2009 09:14:03 -0700 (PDT)
In-Reply-To: <20090803014825.GA1326@rivest.dlitz.net>
References: <20090803014825.GA1326@rivest.dlitz.net>
From: Paul Swartz <paulswartz@gmail.com>
Date: Mon, 3 Aug 2009 12:13:43 -0400
Message-ID: <324cfb540908030913x71d331f0kb069052f74e5ae6b@mail.gmail.com>
Subject: Re: PyCrypto license clarification
To: "Dwayne C. Litzenberger" <dlitz@dlitz.net>
Content-Type: text/plain; charset=UTF-8
Content-Transfer-Encoding: quoted-printable
Status: RO
X-Status: A
Content-Length: 1450

On Sun, Aug 2, 2009 at 9:48 PM, Dwayne C. Litzenberger<dlitz@dlitz.net> wrote:
te:

> Hi Paul,
>
> I am the new
maintainer of the Python Cryptography Toolkit, and I am
> working on a new release at <http://www.pycrypto.org/>.

That's great!

> I understand that you have made contributions to PyCrypto, under nickname
> "z3p" and/or other names. =C2=A0May I, on your behalf, dedicate to the pu=
blic
> domain all your contributions to PyCrypto, with the following notice?
>
> =C2=A0=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=
=3D=
=3D
> =C2=A0The contents of this file are dedicated to the public domain. =C2=
=A0To the
> =C2=A0extent that dedication to the public domain is not available, every=
one
> =C2=A0is granted a worldwide, perpetual, royalty-free, non-exclusive lice=
nse
> =C2=A0to exercise all rights associated with the contents of this file fo=
r
> =C2=A0any purpose whatsoever. =C2=A0No rights are reserved.
> =C2=A0=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=
=3D=
=3D

Yes,
that's fine. Good luck with the new release!

-P
--=20
Paul Swartz
paulswartz at gmail dot com
<http://paulswartz.net/>
AIM: z3penguin

From dlitz@dlitz.net Mon Aug 3 14:35:01 2009
Date: Mon, 3 Aug 2009 14:35:01 -0400
From: "Dwayne C. Litzenger" <dlitz@dlitz.net>
To: Paul Swartz <paulswartz@gmail.com>
Subject: Re: PyCrypto license clarification
Message-ID: <20090803183501.GA17472@rivest.dlitz.net>
References: <20090803014825.GA1326@rivest.dlitz.net>
<324cfb540908030913x71d331f0kb069052f74e5ae6b@mail.gmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1; format=flowed
Content-Disposition: inline
Content-Transfer-Encoding: 8bit
In-Reply-To: <324cfb540908030913x71d331f0kb069052f74e5ae6b@mail.gmail.com>
X-Primary-Address: dlitz@dlitz.net
X-Homepage: <http://www.dlitz.net/>
X-OpenPGP:
url=<http://www.dlitz.net/go/gpgkey/>;
id=19E11FE8B3CFF273ED174A24928CEC1339C25CF7 (only for key signing);
preference=unprotected
X-OpenPGP: url=<http://www.dlitz.net/go/gpgkey/>;
id=4B2AFD82FC7D9E3838D9179F1C11B877E7804B45 (2008);
preference=signencrypt
User-Agent: Mutt/1.5.16 (2007-06-11)
Status: RO
Content-Length: 1250

On Mon, Aug 03, 2009 at 12:13:43PM -0400, Paul Swartz wrote:
>On Sun, Aug 2, 2009 at 9:48 PM, Dwayne C. Litzenger<dlitz@dlitz.net> wrote:
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>>
>> I am the new maintainer of the Python Cryptography Toolkit, and I am
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>
>That's great!
>
>> I understand that you have made contributions to PyCrypto, under nickname
>> "z3p" and/or other names. May I, on your behalf, dedicate to the public

>> domain all your contributions to PyCrypto, with the following notice?

>>

>> =====
>> The contents of this file are dedicated to
>> the public domain. To the
>> extent that dedication to the public domain is not available, everyone
>> is granted a worldwide, perpetual, royalty-free, non-exclusive license
>> to exercise all rights associated with the contents of this file for
>> any purpose whatsoever. No rights are reserved.

>> =====

>

>Yes, that's fine. Good luck with the new release!

Perfect! Thanks for the quick response!

--

Dwayne C. Litzberger <dlitz@dlitz.net>
Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7
From dlitz@dlitz.net Sat Apr 18 09:14:20 2009
Date: Sat, 18 Apr 2009 09:14:20 -0400
From: "Dwayne C. Litzberger" <dlitz@dlitz.net>
To: Mark Moraes <moraes@computer.org>
Subject: PyCrypto license clarification
Message-ID: <20090418131419.GA14494@rivest.dlitz.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Disposition: inline
User-Agent: Mutt/1.5.16 (2007-06-11)
Status: RO
Content-Length: 2635

Hi Mark,

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at <http://www.pycrypto.org/>.

People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them. The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify".)

=====
Distribute and use

freely; there are no restrictions on further dissemination and usage except those imposed by the laws of your country of residence. This software is provided "as is" without warranty of fitness for use or suitability for any purpose, express

or implied. Use at your own risk or not at all.

=====
Incorporating the code into commercial products is permitted; you do not have to make source available or contribute your changes back (though that would be nice).

--amk (www.amk.ca)

For the next PyCrypto release, I would like to take steps to move toward a clearer licensing regime. I am asking as many copyright holders as I can find if I can release PyCrypto under something clearer and more standard. Below, I have quoted a public domain dedication that was recommended in Intellectual Property and Open Source: A Practical Guide to Protecting Code, by Van Lindberg. I have already contacted A. M. Kuchling, Robey Pointer, Wim Lewis, Jeethu Rao, and Barry Warsaw, and they have all approved the following dedication for their contributions.

I understand that you have made contributions to PyCrypto. May I, on your behalf, dedicate to the public domain all your contributions to PyCrypto, with the following notice?

=====
The contents of this file are dedicated to the public domain. To the extent that dedication to the public domain is not available, everyone is granted a worldwide, perpetual, royalty-free, non-exclusive license to exercise all rights associated with the contents of this file for any purpose whatsoever. No rights are reserved.
=====

Regards,
- Dwayne

--
Dwayne C. Litzberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From markmoraes@yahoo.com Mon Apr 20 19:25:37 2009
X-Maildir-Dup-Checked: Yes
Return-Path: <markmoraes@yahoo.com>
X-Original-To: dwon@rivest.dlitz.net
Delivered-To: dwon@rivest.dlitz.net
Received: from goedel.dlitz.net (unknown [10.159.255.6])
by rivest.dlitz.net (Postfix) with ESMTP id 5D9AE984FDD
for <dwon@rivest.dlitz.net>; Mon, 20 Apr 2009 19:25:37 -0400 (EDT)
Received: from localhost (localhost [127.0.0.1])

by goedel.dlitz.net (Postfix) with QMQP id DE41F4025F
for <dwon@rivest.dlitz.net>; Mon, 20 Apr 2009 17:25:36 -0600 (CST)
Received: (vmmailmgr-postfix 7604 invoked by uid 1003); 20 Apr 2009 17:25:36 -0600
Delivered-To: m-dlitz-dlitz@dlitz.net
Received-SPF: none (yahoo.com: No applicable sender policy available) receiver=goedel.dlitz.net; identity=mfrom; envelope-from="markmoraes@yahoo.com"; helo=web32405.mail.mud.yahoo.com; client-ip=68.142.207.198
Received: from web32405.mail.mud.yahoo.com (web32405.mail.mud.yahoo.com [68.142.207.198])
by goedel.dlitz.net (Postfix) with SMTP id B5EAF401EE
for <dlitz@dlitz.net>; Mon, 20 Apr 2009 17:25:36 -0600 (CST)
Received: (qmail 34697 invoked by uid 60001); 20 Apr 2009 23:25:33 -0000
DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed; d=yahoo.com; s=s1024; t=1240269933; bh=OvxqbYnCg7R6tUN3YmlgFURM3CuHh1JeHyXhDzkaThU=; h=Message-ID:X-YMail-OSG:Received:X-Mailer:Date:From:Reply-To:Subject:To:MIME-Version:Content-Type; b=F2h2bFzpQxyKFZ8BhenniyupGw4Zvlekb9BSk91qKU+51W/TkSGBij5YZIhkLQdkQk0qLz5f4g8dT6bOME3sEY1j10hlx0K0u2UD0yoYTINBCmsdMQRoJ7ph9bmt+p/EJhRpe+FiV6aoLV0FONWiHfGDghPT1dulWXfVTqgB2aU=
DomainKey-Signature:a=rsa-sha1; q=dns; c=noaws; s=s1024; d=yahoo.com; h=Message-ID:X-YMail-OSG:Received:X-Mailer:Date:From:Reply-To:Subject:To:MIME-Version:Content-Type; b=r6RShFF5VzQLg+9tcn1xKuo4Rs4IVvXF6fdqOpQrMyRCxeFoebhuTE35grGqlomOJLwM0+mZwRb6rGkDj763caOAl08Ect/qlADW5izXfmVQaDchTbTqmpsJBmQnTQs9iZ+InrG+3UIwtUSGfX7fhEWmI9P/HBzxf9Wp4b3jeo=;
Message-ID:
<551071.34569.qm@web32405.mail.mud.yahoo.com>
X-YMail-OSG:
FrK8aWMVM1mFJtLpMGbUbCLjbUQC.i.JkIAKUHSFsFn7t9PbtewAewXJ2uhZGCOIGCX6oVnG3u.CgqzAffY4vZSnfTT8wnCkzZNZ_g6k.XUc3ipo_6e.92TXl4p8MxDGAf1tpNF5nXPwcQ7aREs7jGoWWWJYVyp50clsUFSHzf7Zbpa8P1Yoe_xSzf3OAgRSh5fCrbFCC8sHPCuwrL3YhasbtHmkWffteSS.x6gEcBaxf03oz4FeDb5mpJ54g11Xonq8h_TmzX9g84Bin9g_3fJ4WSXm6g6.tohLyfXcUxoz4j036wyWpTKPrWEzIUQaN83Sv_bj_Ghx--
Received: from [69.124.140.74] by web32405.mail.mud.yahoo.com via HTTP; Mon, 20 Apr 2009 16:25:32 PDT
X-Mailer: YahooMailClassic/5.2.15 YahooMailWebService/0.7.289.1
Date: Mon, 20 Apr 2009 16:25:32 -0700 (PDT)
From: M Moraes <markmoraes@yahoo.com>
Reply-To: moraes@computer.org
Subject: Re: PyCrypto license clarification
To: "Dwayne C. Litzenger" <dlitz@dlitz.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Status: RO
X-Status: A
Content-Length: 3222

Hi Dwayne.

Sure, the new license sounds fine for all my contributions to PyCrypto, and thanks for taking it on. My apologies

for not responding to your previous e-mail.

Regards,
Mark.

--- On Sat, 4/18/09, Dwayne C. Litzenger <dlitz@dlitz.net> wrote:

> From: Dwayne C. Litzenger <dlitz@dlitz.net>

> Subject: PyCrypto license clarification

> To: "Mark Moraes" <moraes@computer.org>

> Date: Saturday, April 18, 2009, 9:14 AM

> Hi Mark,

>

> I am the new maintainer of the Python Cryptography Toolkit,

> and I am

> working on a new release at <http://www.pycrypto.org/>.

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>

>

> =====

> Distribute and use freely; there are

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>

imposed by the laws of your

> country of residence. This

> software is provided "as is" without

> warranty of fitness for use or

> suitability for any purpose, express

> or implied. Use at your own risk or

> not at all.

>

> =====

>

> Incorporating the code into commercial

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> not have to make source available or

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> (though that would be nice).

>
> --amk
>
>
> (www.amk.ca)
>
> For the next PyCrypto release, I would like to take steps
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>
> =====
>
> Regards,
> - Dwayne
>
> -- Dwayne C. Litzberger <dlitz@dlitz.net>

>
> Key-signing key - 19E1
> 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7
>

From dlitz@dlitz.net Mon Apr 20 20:01:37 2009
Date: Mon, 20 Apr 2009 20:01:37 -0400
From: "Dwayne C. Litzenger" <dlitz@dlitz.net>
To: moraes@computer.org
Subject: Re: PyCrypto license clarification
Message-ID: <20090421000137.GA29012@rivest.dlitz.net>
References: <551071.34569.qm@web32405.mail.mud.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Disposition: inline
In-Reply-To: <551071.34569.qm@web32405.mail.mud.yahoo.com>
X-Primary-Address: dlitz@dlitz.net
X-Homepage: http://www.dlitz.net/
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/;
id=19E11FE8B3CFF273ED174A24928CEC1339C25CF7 (only for key signing);
preference=unprotected
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/;
id=4B2AFD82FC7D9E3838D9179F1C11B877E7804B45 (2008);
preference=signencrypt
User-Agent: Mutt/1.5.16 (2007-06-11)
Status: RO
Content-Length: 3677

Thanks a lot, and don't
worry about not responding to previous emails. I
do that too much myself. :)

On Mon, Apr 20, 2009 at 04:25:32PM -0700, M Moraes wrote:

>
>Hi Dwayne.
>
>Sure, the new license sounds fine for all my contributions to PyCrypto, and thanks for taking it on. My apologies
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>> suitability for any purpose, express
>> or implied. Use at your own risk or
>> not at all.
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>> (www.amk.ca)
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>>
>> =====
>>
>> Regards,
>> - Dwayne
>>
>> -- Dwayne C. Litzenger <dlitz@dlitz.net>
>> Key-signing key - 19E1
>> 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7
>>
>>
>>

--
Dwayne C. Litzenger <dlitz@dlitz.net>
Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7
Annual key (2008) - 4B2A FD82 FC7D 9E38 38D9 179F 1C11 B877 E780 4B45

From dlitz@dlitz.net Wed Aug 27 20:54:38 EDT 2008
X-Maildir-Dup-Checked: Yes
Return-Path: <dlitz@dlitz.net>
X-Original-To: dwon@rivest.dlitz.net
Delivered-To: dwon@rivest.dlitz.net
Received: from goedel.dlitz.net (unknown [10.159.255.6])
by rivest.dlitz.net (Postfix) with ESMTP id ECFDFC6641D
for <dwon@rivest.dlitz.net>; Wed, 27 Aug 2008 20:45:06 -0400 (EDT)
Received: from localhost (localhost [127.0.0.1])
by goedel.dlitz.net (Postfix) with QMQP id 99A9D100AA
for <dwon@rivest.dlitz.net>; Wed, 27 Aug 2008 18:45:05 -0600 (CST)
Received: (vmmailmgr-postfix 3270 invoked by uid 1003); 27 Aug 2008 18:45:05 -0600
Delivered-To: m-dlitz-dlitz@dlitz.net
Received-SPF: pass (goedel.dlitz.net: domain of dlitz@dlitz.net designates 193.201.42.13 as permitted sender)
Received: from m14.itconsult.net (m14.itconsult.net [193.201.42.13])
by goedel.dlitz.net (Postfix) with ESMTP id 1D3B510088
for <dlitz@dlitz.net>; Wed, 27 Aug 2008 18:45:04 -0600 (CST)
Received: from stamper.itconsult.co.uk (stamper.itconsult.co.uk
[193.201.42.31]) by m14.stamper.itconsult.co.uk (GMS
15.01.3664/NT8923.00.54dca388) with SMTP id jfxsjqaa for dlitz@dlitz.net;
Thu, 28 Aug 2008 01:45:02 +0100
To: crypt@bis.doc.gov,
enc@nsa.gov,
web_site@bis.doc.gov,
pycrypto@lists.dlitz.net,
PYTHON-CRYPTO@NIC.SURFNET.NL,
dlitz@dlitz.net
Received-SPF: Pass (m14.stamper.itconsult.co.uk: domain of dlitz@dlitz.net
designates 64.5.53.201 as permitted sender) identity=mailfrom;
client-ip=64.5.53.201; receiver=m14.stamper.itconsult.co.uk;
helo=goedel.dlitz.net; mechanism=-all; envelope-from=dlitz@dlitz.net;
Received: from goedel.dlitz.net (goedel.dlitz.net [64.5.53.201]) by
m14.stamper.itconsult.co.uk (GMS 15.01.3664/NT8923.00.54dca388) with ESMTP id
taxsjqaa for post@stamper.itconsult.co.uk; Thu, 28 Aug 2008 01:42:58 +0100
Received: from rivest.dlitz.net (rivest.dlitz.net [IPv6:2002:4c0a:9133:1104::1])
by goedel.dlitz.net (Postfix) with ESMTP id 667C7100B1
for <post@stamper.itconsult.co.uk>;
Wed, 27 Aug 2008 18:42:56 -0600 (CST)
Received: by rivest.dlitz.net (Postfix, from userid 1000)
id B92F8C66420; Wed, 27 Aug 2008 20:42:55 -0400 (EDT)
Received: by rivest.dlitz.net (tmda-sendmail, from uid 1000);
Wed, 27 Aug 2008 20:42:54 -0400
Date: Wed, 27 Aug 2008 20:42:54 -0400
Cc: post@stamper.itconsult.co.uk
Subject: PyCrypto TSU NOTIFICATION
Message-ID: <20080828004254.GA31214@rivest.dlitz.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Disposition: inline
X-Primary-Address: dlitz@dlitz.net
X-Homepage: http://www.dlitz.net/
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/
id=19E11FE8B3CFF273ED174A24928CEC1339C25CF7 (only for key signing);
preference=unprotected
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/
id=4B2AFD82FC7D9E3838D9179F1C11B877E7804B45 (2008);
preference=signencrypt
User-Agent: Mutt/1.5.16 (2007-06-11)
X-Delivery-Agent: TMDA/1.1.9 (Jura)
From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>
X-DNSBL: 0
Status: O
Content-Length:
2182
Lines: 65

-----BEGIN PGP SIGNED MESSAGE-----

```
#####  
#  
# This is a proof of posting certificate from  
# stamper.itconsult.co.uk certifying that a user  
# claiming to be:-  
# dlitz@dlitz.net  
# requested that this message be sent to:-  
# crypt@bis.doc.gov  
# enc@nsa.gov  
# web_site@bis.doc.gov  
# pycrypto@lists.dlitz.net  
# PYTHON-CRYPTO@NIC.SURFNET.NL  
# dlitz@dlitz.net  
#  
# This certificate was issued at 00:45 (GMT)  
# on Thursday 28 August 2008 with reference 0520978  
#  
# CAUTION: while the message may well be from the sender  
# indicated in the "From:" header, the sender  
# has NOT been authenticated by this service  
#  
# For information about the Stamper service see  
# http://www.itconsult.co.uk/stamper.htm  
#  
#####
```

SUBMISSION TYPE: TSU
SUBMITTED BY: Dwayne C. Litzenberger

SUBMITTED FOR: Dwayne C. Litzenberger
POINT OF CONTACT: Dwayne C.
Litzenberger
PHONE and/or FAX: +1-613-693-1296
MANUFACTURER: n/a
PRODUCT NAME/MODEL #: The Python Cryptography Toolkit ("PyCrypto")
ECCN: 5D002

NOTIFICATION: <http://www.pycrypto.org/>

Note: I am a Canadian citizen posting software to my website located in Canada. I am not certain whether PyCrypto contains enough US-origin cryptography to be covered by U.S. export controls, but I am submitting this anyway.

(Sorry for spamming the lists, but I want there to be a record of this.)

--

Dwayne C. Litzenberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

Annual key (2008) - 4B2A FD82 FC7D 9E38 38D9 179F 1C11 B877 E780 4B45

-----BEGIN PGP SIGNATURE-----

Version: 2.6.3i

Charset: noconv

Comment: Stamper Reference Id: 0520978

iQEVAgUBSLX1DYGVnbVwth+BAQEcuwf9EWnXLqSO5bPzR9K9QnTPcsKbTljKjPxr
d+q0E7eE8VtnvviUcTAR9o27yvzOPxdFT864MQA7OTSbPK39aGAgA4fgAgvYH9t
UNjJ/kv8QLz/az2fi/HNjyrwnqFnUI0uqwpOrQGbz8Y+SGpVh1gKqy1Ju45L+doq
sxbzCOpjgRv2zDdNR/2SnFmDWQXv8dSeonwIHpQDft8/LVA/gHiTDmteQIOhJQ6o
XYhY+HbRjsD741/GSpOt9IIN5ln0UgshFoLIndnNSAvWf4aPyh5KCN7ho+/BC0v/
W/pqSSIPkwmhbhPHoOltTkNc0qKLAHXqMGJNhO8AkrYZOyJksb0HsA==
=3oIX

-----END

PGP SIGNATURE-----

Date: Sun, 23 Nov 2008 15:54:35 -0800

From: Wim Lewis <wiml@hxxx.org>

Subject: Re: PyCrypto license clarification

To: "Dwayne C. Litzenberger" <dlitz@dlitz.net>

Cc: Wim Lewis <wiml@hxxx.org>

Message-Id: <9D5C3135-7414-47D7-9D41-0AC6C3A84D97@hxxx.org>

-----BEGIN PGP SIGNED MESSAGE-----

Hash: SHA1

On November 23, 2008, you wrote:

>Hi Wim,
>
>I am the new maintainer of the Python Cryptography Toolkit, and I am
>working on a new release at <http://www.pycrypto.org/>.

>
>I understand that you have made contributions to PyCrypto. May I, on
>your behalf, dedicate to the public domain all your contributions to
>PyCrypto, with the following notice?

>
> =====
> The contents of this file are dedicated to the public domain. To the
> extent that dedication to the public domain is not available, everyone
> is granted a worldwide, perpetual, royalty-free, non-exclusive license
> to exercise all rights associated with the contents
> of this file for
> any purpose whatsoever. No rights are reserved.
> =====

Certainly! I think the only code of mine in PyCrypto is the CAST-5 / CAST-128 implementation, which already has a public-domain notice at the top of the file. But I am happy to have that, any any other code of mine that might have wandered in there under an unclear open sourcish license, distributed under the public-domain dedication you quote.

Wim.

-----BEGIN PGP SIGNATURE-----

Version: GnuPG v1.4.6 (Darwin)

iQCVAwUBSSnnA18UnN8n93LBAQLp/gQAhr7x8Av1mstc2kxEJDWTm26PTAZxMz4B
FektbDOzkxgc5580MGGeeX/MVn8aw+1BHg0YD85gsntlDzkcQtb+BR/xAvJ5zKyA
J/Mn/I+I6ekJQ3juh8IPHLAduOXM9Rtguas/yR+Doaq0xOPKobx+/5+t1lJtBcZ
wrPEa9Oui9s=
=zSY9

-----END PGP SIGNATURE-----

PyCrypto Code Submission Requirements - Rev. C

Last updated: 2009-02-28

In an effort to further clarify PyCrypto's licensing terms, anyone submitting code to PyCrypto must be able to certify the following (taken from the Linux kernel's SubmittingPatches file):

Developer's Certificate of Origin 1.1

By making a contribution to this project, I certify that:

(a) The contribution was created in whole or in part by me and I

have the right to submit it under the open source license indicated in the file; or

(b) The contribution is based upon previous work that, to the best of my knowledge, is covered under an appropriate open source license and I have the right under that license to submit that work with modifications, whether created in whole or in part by me, under the same open source license (unless I am permitted to submit under a different license), as indicated in the file; or

(c) The contribution was provided directly to me by some other person who certified (a), (b) or (c) and I have not modified it.

(d) I understand and agree that this project and the contribution are public and that a record of the contribution (including all personal information I submit with it, including my sign-off) is maintained indefinitely and may be redistributed consistent with this project or the open source license(s) involved.

In addition, the code's author must not be a national, citizen, or resident of the United States of America.

In addition, the code must not be of U.S. origin.

In addition, all new code contributed to PyCrypto must be dedicated to the public domain as follows:

The contents of this file are dedicated to the public domain. To the extent that dedication to the public domain is not available, everyone is granted a worldwide, perpetual, royalty-free, non-exclusive license to exercise all rights associated with the contents of this file for any purpose whatsoever.
No rights are reserved.

=== EOF ===

From dlitz@dlitz.net Sun Nov 23 00:17:22 2008

Date: Sun, 23 Nov 2008 00:17:22 -0500

From: "Dwayne C. Litzenger" <dlitz@dlitz.net>

To: "A. M. Kuchling" <amk@amk.ca>

Subject: PyCrypto license clarification

Message-ID: <20081123051722.GA29253@rivest.dlitz.net>

MIME-Version: 1.0

Content-Type: multipart/signed; micalg=pgp-sha1;

protocol="application/pgp-signature"; boundary="YiEDa0DAkWCtVeE4"

Content-Disposition: inline

clearer licensing regime. I'm asking as many copyright holders as I can find, starting with you, if I can release PyCrypto under something clearer=

and more standard. Below, I have quoted a public domain dedication that was recommended in Intellectual Property and Open Source: A Practical Guide to Protecting Code, by Van Lindberg.

May I, on your behalf, dedicate to the public domain your considerable contributions to PyCrypto, with the following notice?

The contents of this file are dedicated to the public domain. To the extent that dedication to the public domain is not available, everyone is granted a worldwide, perpetual, royalty-free, non-exclusive license to exercise all rights associated with the contents of this file for any purpose whatsoever. No rights are reserved.

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The contents of this file are dedicated to the public domain. To the extent that dedication to the public domain is not available, everyone is granted a worldwide, perpetual, royalty-free, non-exclusive license to exercise all rights associated with the contents of this file for any purpose whatsoever. No rights are reserved.

Regards,
- Dwayne

--=20

Dwayne C. Litzberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

Annual key (2008) - 4B2A FD82 FC7D 9E38 38D9 179F 1C11 B877 E780 4B45

--YiEDa0DAkWCtVeE4

Content-Type: application/pgp-signature; name="signature.asc"

Content-Description:

Digital signature

Content-Disposition: inline

-----BEGIN PGP SIGNATURE-----

Version: GnuPG v1.4.5 (GNU/Linux)

iEYEARECAAYFAkko52IACgkQHfBG4d+eAS0XPPQCfcyQ2DdAXKg9N7Z+jeSFFD5EZ

yloAn33a3ZjkteyJaTbzEqImOEw8JGpf

=aBEW

-----END PGP SIGNATURE-----

--YiEDa0DAkWCtVeE4--

From amk@amk.ca Sun Nov 23 07:51:59 2008

X-Maildir-Dup-Checked: Yes

Return-Path: <amk@amk.ca>
X-Original-To: dwon@rivest.dlitz.net
Delivered-To: dwon@rivest.dlitz.net
Received: from goedel.dlitz.net (unknown [10.159.255.6])
by rivest.dlitz.net (Postfix) with ESMTP id 5C2C75047D
for <dwon@rivest.dlitz.net>; Sun, 23 Nov 2008 07:51:59 -0500 (EST)
Received: from localhost (localhost [127.0.0.1])
by goedel.dlitz.net (Postfix) with QMQP id D632D10111
for <dwon@rivest.dlitz.net>; Sun, 23 Nov 2008 06:51:58 -0600 (CST)
Received: (vmailmgr-postfix 12026 invoked by uid 1003); 23 Nov 2008 06:51:58 -0600
Delivered-To: m-dlitz-dlitz@dlitz.net
Received-SPF: none (goedel.dlitz.net: domain of amk@amk.ca does
not designate permitted sender hosts)
Received: from mail5.sea5.speakeasy.net (mail5.sea5.speakeasy.net [69.17.117.7])
by goedel.dlitz.net (Postfix) with ESMTP id 97DC710105
for <dlitz@dlitz.net>; Sun, 23 Nov 2008 06:51:58 -0600 (CST)
Received: (qmail 3992 invoked from network); 23 Nov 2008 12:51:52 -0000
Received: from dsl092-163-165.wdc2.dsl.speakeasy.net (HELO localhost) (akuchling@[66.92.163.165])
(envelope-sender <amk@amk.ca>)
by mail5.sea5.speakeasy.net (qmail-ldap-1.03) with AES256-SHA encrypted SMTP
for <dlitz@dlitz.net>; 23 Nov 2008 12:51:52 -0000
Date: Sun, 23 Nov 2008 07:51:34 -0500
From: "A.M. Kuchling" <amk@amk.ca>
To: "Dwayne C. Litzenger" <dlitz@dlitz.net>
Subject: Re: PyCrypto license clarification
Message-ID: <20081123125134.GA21239@amk.local>
Reply-To: amk@amk.ca
References: <20081123051722.GA29253@rivest.dlitz.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
In-Reply-To: <20081123051722.GA29253@rivest.dlitz.net>
User-Agent:
Mutt/1.5.13 (2006-08-11)
Status: RO
Content-Length: 537
Lines: 15

> People often ask me what license PyCrypto is covered by, if it's
> GPL-compatible, etc. Right now, I'm not really sure what to tell them.
> The text in the current LICENSE file (quoted below) is not entirely clear
> on the point of whether distributing modified versions is allowed. (It
> says "distribute and use", but not "modify".)

The intention is that it be public domain.

> May I, on your behalf, dedicate to the public domain your considerable
> contributions to PyCrypto, with the following notice?

You may.

--amk

From dlitz@dlitz.net Sat Feb 28 23:24:14 2009
Date: Sat, 28 Feb 2009 23:24:14 -0500
From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>
To: Jeethu Rao <jeethurao@gmail.com>
Subject: PyCrypto license clarification
Message-ID: <20090301042414.GA15122@rivest.dlitz.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Disposition: inline
User-Agent: Mutt/1.5.16 (2007-06-11)
Status: RO
Content-Length: 2513

Hi Jeethu,

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at <http://www.pycrypto.org/>.

People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them. The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify".)

=====
Distribute and use freely;
there are no restrictions on further
dissemination and usage except those imposed by the laws of your
country of residence. This software is provided "as is" without
warranty of fitness for use or suitability for any purpose, express
or implied. Use at your own risk or not at all.
=====

Incorporating the code into commercial products is permitted; you do not have to make source available or contribute your changes back (though that would be nice).

--amk (www.amk.ca)

For the next PyCrypto release, I would like to take steps to move toward a clearer licensing regime. I am asking as many copyright holders as I can find if I can release PyCrypto under something clearer and more standard. Below, I have quoted a public domain dedication that was recommended in Intellectual Property and Open Source: A Practical Guide to Protecting

Code_, by Van Lindberg.

I have already contacted A. M. Kuchling, Robey Pointer, and Wim Lewis, and they have all approved the following text for their contributions.

I understand that you have made contributions to PyCrypto. May I, on your behalf, dedicate to the public domain all your contributions to PyCrypto, with the following notice?

```
=====
The contents of this file are dedicated to the public domain. To the
extent that dedication to the public domain is not available, everyone
is granted a worldwide, perpetual, royalty-free, non-exclusive license
to exercise all rights associated with the contents of this file for
any purpose whatsoever. No rights are reserved.
=====
```

Regards,
- Dwayne

--

Dwayne C. Litzemberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From jeethurao@gmail.com Sun Mar 8 17:28:16 2009

X-Maildir-Dup-Checked:

Yes

Return-Path: <jeethurao@gmail.com>

X-Original-To: dwon@rivest.dlitz.net

Delivered-To: dwon@rivest.dlitz.net

Received: from goedel.dlitz.net (unknown [10.159.255.6])

by rivest.dlitz.net (Postfix) with ESMTP id 0CC83515D9

for <dwon@rivest.dlitz.net>; Sun, 8 Mar 2009 17:28:16 -0400 (EDT)

Received: from localhost (localhost [127.0.0.1])

by goedel.dlitz.net (Postfix) with QMQP id 4E58F450CB

for <dwon@rivest.dlitz.net>; Sun, 8 Mar 2009 15:28:15 -0600 (CST)

Received: (vmailmgr-postfix 5011 invoked by uid 1003); 8 Mar 2009 15:28:15 -0600

Delivered-To: m-dlitz-dlitz@dlitz.net

Received-SPF: pass (gmail.com ... _spf.google.com: 209.85.198.249 is authorized to use 'jeethurao@gmail.com' in 'mfrom' identity (mechanism 'ip4:209.85.128.0/17' matched)) receiver=goedel.dlitz.net; identity=mfrom; envelope-from="jeethurao@gmail.com"; helo=rv-out-0708.google.com; client-ip=209.85.198.249

Received: from rv-out-0708.google.com (unknown [209.85.198.249])

by goedel.dlitz.net

(Postfix) with ESMTP id 3C097449E7

for <dlitz@dlitz.net>; Sun, 8 Mar 2009 15:28:12 -0600 (CST)

Received: by rv-out-0708.google.com with SMTP id k29so1252333rvb.26

for <dlitz@dlitz.net>; Sun, 08 Mar 2009 14:27:56 -0700 (PDT)

DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;

d=gmail.com; s=gamma;
h=domainkey-signature:mime-version:received:in-reply-to:references
:date:message-id:subject:from:to:content-type;
bh=YWy9U32WCU/ksRqukHwaOZyJQBU4Yvt5mI20U6mI/g=;
b=oMjI22IIxYiJKge2zNjW3rRiUi9LqFXmey5Wp0pLItuNF+X3duyfhopTuBAKw7MwVY
B5E6VQuGVEyzBbNscyVgq6DhQiQtouCLZymSViobmuDmKn5DtUKoxpDk0xCxQmHYaas
L9/A6D3/J66kKrNBgX9mc0GPcZTviVFYkPR0Q=
DomainKey-Signature: a=rsa-sha1; c=noaws;
d=gmail.com; s=gamma;
h=mime-version:in-reply-to:references:date:message-id:subject:from:to
:content-type;
b=Ym7CStuDEfJKay1AJyWzkZmJA1lnTcwCG6akBHAXLld8ht6PFcmlsffzZG8hJCIVJ8
vljqcT+G6cywVTBw1pyGX7ECYzr0+vhGvdpACGrS24zikHfpSSd5GFogzXaLVvGVH8p
bqSHpfWKKtEP4gAQkiNeIq1GNtR2j8U3fnRyg=
MIME-Version: 1.0
Received: by 10.141.176.13 with SMTP id d13mr2656028rvp.231.1236547674677;
Sun, 08 Mar 2009 14:27:54 -0700 (PDT)
In-Reply-To: <20090301042414.GA15122@rivest.dlitz.net>
References: <20090301042414.GA15122@rivest.dlitz.net>
Date: Mon, 9 Mar 2009 02:57:54 +0530
Message-ID: <e3c0ddba0903081427p3a7b1058g417dd8624df68d6d@mail.gmail.com>
Subject: Re: PyCrypto license clarification
From: Jeethu Rao <jeethurao@gmail.com>
To: "Dwayne C. Litzenger" <dlitz@dlitz.net>
Content-Type: multipart/alternative; boundary=000e0cd209d0e5a3d40464a23054
Status: RO
Content-Length: 7668

--000e0cd209d0e5a3d40464a23054
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Dwayne, My contribution to pycrypto are very very minimal (The sha256
module, IIRC).
I'd be fine with the public domain license for PyCrypto.

Jeethu Rao
PS: Apologies for the delay in my response.
I don't really
check this email address all that often,
please direct any further correspondence to jeethu@jeethurao.com

On Sun, Mar 1, 2009 at 9:54 AM, Dwayne C. Litzenger <dlitz@dlitz.net> wrote:

> Hi Jeethu,
>
> I am the new maintainer of the Python Cryptography Toolkit, and I am
> working on a new release at <http://www.pycrypto.org/>.

>
> People often ask me what license PyCrypto is covered by, if it's
> GPL-compatible, etc. Right now, I'm not really sure what to tell them. The
> text in the current LICENSE file (quoted below) is not entirely clear on the
> point of whether distributing modified versions is allowed. (It says
> "distribute and use", but not "modify".)
>
>
> =====
> Distribute and use freely; there are no restrictions on further
> dissemination and usage except those imposed by the laws of your
> country of residence. This software is provided "as is" without
> warranty of fitness for use or suitability for any purpose,
> express
> or implied. Use at your own risk or not at all.
> =====
>
> Incorporating the code into commercial products is permitted; you do
> not have to make source available or contribute your changes back
> (though that would be nice).
>
> --amk (www.amk.ca)
>
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> behalf, dedicate to the public domain all your contributions to PyCrypto,
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>
> =====
> The contents of this file are dedicated to the public domain. To the
> extent that dedication to the public domain is not available, everyone
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> to exercise all rights associated with the contents of this file for
> any purpose whatsoever. No rights are reserved.
> =====
>
> Regards,
> - Dwayne
>
> --

> Dwayne C. Litzengerger <dlitz@dlitz.net>
> Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7
>

--
Jeethu Rao

--000e0cd209d0e5a3d40464a23054
Content-Type: text/html; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Hi Dwayne, My contribution to pycrypto are very very minimal (The sha256 module, IIRC). I'd be fine with the public domain license for PyCrypto. Jeethu Rao PS: Apologies for the delay in my response. I don't really check this email address all that often, please direct any further correspondence to jeethu@jeethu-rao.com On Sun, Mar 1, 2009 at 9:54 AM, Dwayne C. Litzengerger <dlitz@dlitz.net> wrote:

Hi Jeethu,

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at <http://www.pycrypto.org/>.

People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them.

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Distribute and use freely; there are no restrictions on further dissemination and usage except those imposed by the laws of your country of residence. This software is provided "as is" without warranty of fitness for use or suitability for any purpose, expressed or implied. Use at your own risk or not at all.

3 39C2 5CF7

</blockquote></div>
<br clear=3D"all">
--
Jeethu Rao

</div></div>

--000e0cd209d0e5a3d40464a23054--

Copyright and licensing of the Python Cryptography Toolkit ("PyCrypto"):

~~~~~

Previously, the copyright and/or licensing status of the Python Cryptography Toolkit ("PyCrypto") had been somewhat ambiguous. The original intention of Andrew M. Kuchling and other contributors has been to dedicate PyCrypto to the public domain, but that intention was not necessarily made clear in the original disclaimer (see [LEGAL/copy/LICENSE.orig](#)).

Additionally, some files within PyCrypto had specified their own licenses that differed from the PyCrypto license itself. For example, the original RIPEMD.c module simply had a copyright statement and warranty disclaimer, without clearly specifying any license terms. (An updated version on the author's website came with a license that contained a GPL-incompatible advertising clause.)

To rectify this situation for PyCrypto 2.1, the following steps have been taken:

1. Obtaining explicit permission from the original contributors to dedicate their contributions to the public domain if they have not already done so. (See the "LEGAL/copy/stmts" directory for contributors' statements.)
2. Replacing some modules with clearly-licensed code from other sources (e.g. the DES and DES3 modules were replaced with new ones based on Tom St. Denis's public-domain LibTomCrypt library.)
3. Replacing some modules with code written from scratch (e.g. the RIPEMD and Blowfish modules were re-implemented from their respective algorithm specifications without reference to the old implementations).
4. Removing some modules altogether without replacing them.

To the best of our knowledge, with the exceptions noted below or within the files themselves, the files that constitute PyCrypto are in the public domain. Most are distributed with the following notice:

The contents of this file are dedicated to the public domain. To the extent that dedication to

the public domain is not available,  
everyone is granted a worldwide, perpetual, royalty-free,  
non-exclusive license to exercise all rights associated with the  
contents of this file for any purpose whatsoever.  
No rights are reserved.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,  
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF  
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND  
NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS  
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ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN  
CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE  
SOFTWARE.

Exception:

- Portions of HMAC.py and setup.py are derived from Python 2.2, and  
are therefore Copyright (c) 2001, 2002, 2003 Python Software  
Foundation (All Rights Reserved). They are licensed by the PSF  
under the terms of the Python 2.2 license. (See the file  
LEGAL/copy/LICENSE.python-2.2  
for details.)

EXPORT RESTRICTIONS:

Note that the export or re-export of cryptographic software and/or  
source code may be subject to regulation in your jurisdiction.

From dlitz@dlitz.net Mon May 4 22:49:14 2009  
Date: Mon, 4 May 2009 22:49:14 -0400  
From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>  
To: Joris Bontje <joris@bontje.nl>  
Subject: PyCrypto license clarification  
Message-ID: <20090505024914.GA9219@rivest.dlitz.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Disposition: inline  
User-Agent: Mutt/1.5.16 (2007-06-11)  
Status: RO  
Content-Length: 2553

Hi Joris,

I am the new maintainer of the Python Cryptography Toolkit, and I am  
working on a new release at <http://www.pycrypto.org/>.

People often ask me what license PyCrypto is covered by, if it's  
GPL-compatible, etc. Right now, I'm not really sure what to tell them.

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=====  
Distribute and use freely; there  
are no restrictions on further  
dissemination and usage except those imposed by the laws of your  
country of residence. This software is provided "as is" without  
warranty of fitness for use or suitability for any purpose, express  
or implied. Use at your own risk or not at all.  
=====

Incorporating the code into commercial products is permitted; you do  
not have to make source available or contribute your changes back  
(though that would be nice).

--amk (www.amk.ca)

For the next PyCrypto release, I would like to take steps to move toward a  
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Below, I have quoted a public domain dedication that was recommended in  
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Code\_, by Van Lindberg. I have  
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Pointer, Barry Warsaw, Wim Lewis, Jeethu Rao, and Mark Moraes, and they  
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I understand that you have made contributions to PyCrypto. May I, on your  
behalf, dedicate to the public domain all your contributions to PyCrypto,  
with the following notice?

=====  
The contents of this file are dedicated to the public domain. To the  
extent that dedication to the public domain is not available, everyone  
is granted a worldwide, perpetual, royalty-free, non-exclusive license  
to exercise all rights associated with the contents of this file for  
any purpose whatsoever. No rights are reserved.  
=====

Regards,  
- Dwayne

--

Dwayne C. Litzengerger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From: joris@bontje.nl  
Tue May 5 03:08:32 2009  
X-Maildir-Dup-Checked: Yes  
Return-Path: <joris@bontje.nl>  
X-Original-To: dwon@rivest.dlitz.net  
Delivered-To: dwon@rivest.dlitz.net  
Received: from goedel.dlitz.net (unknown [10.159.255.6])  
by rivest.dlitz.net (Postfix) with ESMTP id 7AA4B9E5078  
for <dwon@rivest.dlitz.net>; Tue, 5 May 2009 03:08:32 -0400 (EDT)  
Received: from localhost (localhost [127.0.0.1])  
by goedel.dlitz.net (Postfix) with QMQP id 2315B40583  
for <dwon@rivest.dlitz.net>; Tue, 5 May 2009 01:08:32 -0600 (CST)  
Received: (vmmailmgr-postfix 16890 invoked by uid 1003); 5 May 2009 01:08:32 -0600  
Delivered-To: m-dlitz-dlitz@dlitz.net  
Received-SPF: none (bontje.nl: No applicable sender policy available) receiver=goedel.dlitz.net; identity=mfrom;  
envelope-from="joris@bontje.nl"; helo=smtp6.versatel.nl; client-ip=62.58.50.97  
Received: from smtp6.versatel.nl (smtp6.versatel.nl [62.58.50.97])  
by goedel.dlitz.net (Postfix) with ESMTP id 2D76A4052C  
for <dlitz@dlitz.net>; Tue, 5 May 2009 01:08:30  
-0600 (CST)  
Received: (gmail 4224 invoked by uid 0); 5 May 2009 07:08:25 -0000  
Received: from gmail06.zonnet.nl (HELO dell062.admin.zonnet.nl) ([10.170.1.123])  
(envelope-sender <joris@bontje.nl>)  
by 10.170.1.96 (gmail-ldap-1.03) with SMTP  
for <>; 5 May 2009 07:08:25 -0000  
Received: by dell062.admin.zonnet.nl (Postfix, from userid 33)  
id 9BE9B15759B; Tue, 5 May 2009 09:08:25 +0200 (CEST)  
Received: from firewall66.interaccess.nl (firewall66.interaccess.nl  
[193.173.35.66]) by www.webmail.vuurwerk.nl (Horde MIME library) with HTTP;  
Tue, 05 May 2009 09:08:25 +0200  
Message-ID: <20090505090825.gsq1ps7hg08wwwok@www.webmail.vuurwerk.nl>  
Date: Tue, 05 May 2009 09:08:25 +0200  
From: joris@bontje.nl  
To: "Dwayne C. Litzenberger" <dlitz@dlitz.net>  
Subject: Re: PyCrypto license clarification  
References: <20090505024914.GA9219@rivest.dlitz.net>  
In-Reply-To: <20090505024914.GA9219@rivest.dlitz.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset=ISO-8859-1;  
format="flowed"  
Content-Disposition:  
inline  
Content-Transfer-Encoding: 7bit  
User-Agent: Internet Messaging Program (IMP) H3 (4.1.3)  
Status: RO  
X-Status: A  
Content-Length: 3488

Hi Dwayne,

Thanks for taking over the PyCrypto library and putting in the required effort to keep this going.

I was very excited to read that it is now one of the installed libraries for Google AppsEngine!

You have my full permission to dedicate all my contributions to PyCrypto to the public domain with your suggested notice:

```
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The contents of this file are dedicated to the public domain. To the
extent that dedication to the public domain is not available, everyone
is granted a worldwide, perpetual, royalty-free, non-exclusive license
to exercise all rights associated with the contents of this file for
any purpose whatsoever. No rights are reserved.
=====
```

Regards,  
Joris

Citeren

"Dwayne C. Litzberger" <dlitz@dlitz.net>:

> Hi Joris,

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```
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> warranty of fitness for use or suitability for any purpose, express
> or implied. Use at your own risk or not at all.
> =====
```

>

>

> Incorporating the code into commercial products is permitted; you do  
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>  
> Regards,  
> - Dwayne  
>  
> --  
> Dwayne C. Litzengerger <dlitz@dlitz.net>  
> Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From dlitz@dlitz.net Tue May 5 17:53:47 2009  
Date: Tue, 5 May 2009 17:53:47 -0400  
From: "Dwayne C. Litzengerger" <dlitz@dlitz.net>  
To: joris@bontje.nl  
Subject: Re: PyCrypto license clarification  
Message-ID: <20090505215347.GB9933@rivest.dlitz.net>  
References: <20090505024914.GA9219@rivest.dlitz.net>  
<20090505090825.gsq1ps7hg08wwwok@www.webmail.vuurwerk.nl>  
MIME-Version:  
1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Disposition: inline  
In-Reply-To: <20090505090825.gsq1ps7hg08wwwok@www.webmail.vuurwerk.nl>  
X-Primary-Address: dlitz@dlitz.net

X-Homepage: <http://www.dlitz.net/>  
X-OpenPGP: url=<http://www.dlitz.net/go/gpgkey/>;  
id=19E11FE8B3CFF273ED174A24928CEC1339C25CF7 (only for key signing);  
preference=unprotected  
X-OpenPGP: url=<http://www.dlitz.net/go/gpgkey/>;  
id=4B2AFD82FC7D9E3838D9179F1C11B877E7804B45 (2008);  
preference=signencrypt  
User-Agent: Mutt/1.5.16 (2007-06-11)  
Status: RO  
Content-Length: 3863

Excellent! Thank you!

On Tue, May 05, 2009 at 09:08:25AM +0200, joris@bontje.nl wrote:

> Hi Dwayne,

>

> Thanks for taking over the PyCrypto library and putting in the required  
> effort to keep this going.

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> Joris

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> Citeren "Dwayne C. Litzenger" <dlitz@dlitz.net>:

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>> any purpose  
whatsoever. No rights are reserved.  
>> =====  
>>  
>> Regards,  
>> - Dwayne  
>>  
>> --  
>> Dwayne C. Litzengerger <dlitz@dlitz.net>  
>> Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7  
>  
>

--

Dwayne C. Litzenger <dlitz@dlitz.net>  
Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7  
Annual key (2008) - 4B2A FD82 FC7D 9E38 38D9 179F 1C11 B877 E780 4B45  
From dlitz@dlitz.net Sat Feb 28 21:45:09 2009  
Date: Sat, 28 Feb 2009 21:45:09 -0500  
From: "Dwayne C. Litzenger" <dlitz@dlitz.net>  
To: Barry A Warsaw <barry@python.org>  
Subject: PyCrypto license clarification  
Message-ID: <20090301024509.GA13195@rivest.dlitz.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Disposition: inline  
User-Agent: Mutt/1.5.16 (2007-06-11)  
Status: RO  
Content-Length: 2535

Hi Barry,

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at <http://www.pycrypto.org/>.

People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them. The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify".)

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or implied. Use at your own risk or not at all.

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=====

Regards,  
- Dwayne

--

Dwayne C. Litzberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From barry@python.org Mon

Mar 2 11:29:39 2009

X-Maildir-Dup-Checked: Yes

Return-Path: <barry@python.org>

X-Original-To: dwon@rivest.dlitz.net

Delivered-To: dwon@rivest.dlitz.net

Received: from goedel.dlitz.net (unknown [10.159.255.6])

by rivest.dlitz.net (Postfix) with ESMTP id 6E01AC6640B

for <dwon@rivest.dlitz.net>; Mon, 2 Mar 2009 11:29:39 -0500 (EST)

Received: from localhost (localhost [127.0.0.1])

by goedel.dlitz.net (Postfix) with QMQP id 0644E1007A

for <dwon@rivest.dlitz.net>; Mon, 2 Mar 2009 10:29:39 -0600 (CST)

Received: (vmailmgr-postfix 8668 invoked by uid 1003); 2 Mar 2009 10:29:39 -0600

Delivered-To: m-dlitz-dlitz@dlitz.net

Received-SPF: none (python.org: No applicable sender policy available) receiver=goedel.dlitz.net; identity=mfrom; envelope-from="barry@python.org"; helo=mail.wooz.org; client-ip=216.15.33.230

Received: from mail.wooz.org (216-15-33-230.c3-0.slv-ubr2.lnh-slv.md.static.cable.rcn.com [216.15.33.230])

by goedel.dlitz.net (Postfix) with ESMTP id CCEA110073

for <dlitz@dlitz.net>;

Mon, 2 Mar 2009 10:29:38 -0600 (CST)

Received: from snowdog.wooz.org (snowdog.wooz.org [192.168.11.202])

by mail.wooz.org (Postfix) with ESMTPSA id ACE30E3C9F

for <dlitz@dlitz.net>; Mon, 2 Mar 2009 11:29:35 -0500 (EST)

Message-Id: <09BF1A39-B015-4820-97A3-8642490C8254@python.org>  
From: Barry Warsaw <barry@python.org>  
To: Dwayne C. Litzenger <dlitz@dlitz.net>  
In-Reply-To: <20090301024509.GA13195@rivest.dlitz.net>  
Content-Type: text/plain; charset=US-ASCII; format=flowed; delsp=yes  
Content-Transfer-Encoding: quoted-printable  
Mime-Version: 1.0 (Apple Message framework v930.3)  
Subject: Re: PyCrypto license clarification  
Date: Mon, 2 Mar 2009 11:29:34 -0500  
References: <20090301024509.GA13195@rivest.dlitz.net>  
X-Pgp-Agent: GPGMail d55 (v55, Leopard)  
X-Mailer: Apple Mail (2.930.3)  
Status: RO  
Content-Length: 869

-----BEGIN PGP SIGNED MESSAGE-----

Hash: SHA1

On Feb 28, 2009, at 9:45 PM, Dwayne C. Litzenger wrote:

> I am the new maintainer of the Python Cryptography Toolkit,  
and I am =20=

> working on a new release at <http://www.pycrypto.org/>.

Great! I'm glad to see someone taking up the mantle of this important =20=

Python library.

> I understand that you have made contributions to PyCrypto. May I, =20=  
> on your behalf, dedicate to the public domain all your contributions =20=

> to PyCrypto, with the following notice?

Absolutely yes.

Cheers,

Barry

-----BEGIN PGP SIGNATURE-----

Version: GnuPG v1.4.9 (Darwin)

iQCVAwUBSawJbnEjvBPtnXfVAQLZjgP/ecG+JdZwNvPJRfsa6rhY6+MHLdHI6agk  
evkInSJQAcVHIznVIveR5IXgvDUMakZjU4SOV7MqkhsKA9IIet7PaD9VSYgn3ra5  
gElwI2DQDoOy5GExXMm74gqrrb1PCCbCRmpaYNo+DZohwHkeFBjbwDRA3wItOrH7  
SK4w9VBJtfY=3D

=3DQduY

-----END PGP SIGNATURE-----

Date: Mon, 16 Feb 2009 12:58:00 -0800  
From: Robey Pointer <robey@lag.net>  
Subject: Re: PyCrypto license clarification  
To: "Dwayne C. Litzenger" <dlitz@dlitz.net>  
Received-SPF: pass (goedel.dlitz.net: domain of robey@lag.net designates 69.61.78.186 as permitted sender)  
Message-Id: <F469A078-6305-4484-BEA8-F4EC38A4154F@lag.net>

-----BEGIN PGP SIGNED MESSAGE-----

Hash: SHA1

On 23 Nov 2008, at 07:42, Dwayne C. Litzenger wrote:

> For the next PyCrypto release, I would like to take steps to move  
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> any purpose whatsoever. No rights are reserved.

>  
> =

> =====

>

In case I haven't replied to this yet: Yes, this is fine with me.

robey

-----BEGIN PGP SIGNATURE-----

Version: GnuPG v1.4.8 (Darwin)

iEYEARECAAYFAkmZ01gACgkQQQDkKvyJ6cOLvQCfQmYYuVODvIlyLg0hgCI9LAbQ  
SH8AoLJgaq1Ili7/ZYDc+/Cd8VO0xLbr  
=Mv6g  
-----END PGP SIGNATURE-----  
00INDEX     This file  
LICENSE.orig   Original (deprecated) license for the Python Cryptography Toolkit  
LICENSE.libtom   LICENSE file from LibTomCrypt  
stmts/        Statements by contributors

# 1.437 python-uwsgi 2.0.18-r0

## 1.437.1 Available under license :

-----  
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Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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Protocol Buffers for Go with Gadgets

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\* `configure.ac`, `Makefile.am`: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

\* `atf-c/ui.c`: The `format_paragraph` and `format_text` functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

\* `atf-c++/detail/io.hpp`, `atf-c++/detail/io.cpp`, `atf-c++/detail/io_test.cpp`: These files were derived from the `file_handle`, `systembuf`, `pipe` and `pistream` classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

\* `admin/check-style.sh`,  
`admin/check-style-common.awk`,  
`admin/check-style-cpp.awk`, `admin/check-style-shell.awk`: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

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=====  
vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2  
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```

```
<!-- $Id$ -->
```

```
<!-- Generate ISC copyright comments from Docbook copyright metadata. -->
```

```
<xsl:stylesheet version="1.0"  
  xmlns:xsl="http://www.w3.org/1999/XSL/Transform"  
  xmlns:xi="http://www.w3.org/2001/XInclude"  
  xmlns:db="http://docbook.org/ns/docbook">  
  
  <xsl:template name="isc.copyright.format">  
    <xsl:param name="text"/>  
    <xsl:value-of select="$isc.copyright.leader"/>  
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>  
    <xsl:text>&#10;</xsl:text>
```

```

<xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
<xsl:if test="translate($rest, '&#9;&#32;', '')">
  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param
name="text" select="$rest"/>
  </xsl:call-template>
</xsl:if>
</xsl:template>

```

```

<xsl:variable name="isc.copyright.text">
  <xsl:text>
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    file, You can obtain one at http://mozilla.org/MPL/2.0/.
  </xsl:text>
</xsl:variable>

```

```

<xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param name="text">
      <xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
        <xsl:text>Copyright (C) </xsl:text>
        <xsl:call-template name="copyright.years">
          <xsl:with-param name="years" select="year"/>
        </xsl:call-template>
        <xsl:text> </xsl:text>
        <xsl:value-of select="holder"/>
        <xsl:value-of select="$isc.copyright.breakline"/>
        <xsl:text>&#10;</xsl:text>
      </xsl:for-each>
      <xsl:value-of select="$isc.copyright.text"/>
    </xsl:with-param>
  </xsl:call-template>
</xsl:variable>
</xsl:stylesheet>

```

<!--

- Local variables:
- mode: sgml
- End:

-->

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## 1.443 systemd-bootchart

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```
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```

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```
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it
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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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(at your option) any later version.
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```



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**0.11.0+gitd26492970760ca5d33129d2d799e34  
be5c4782eb-r0**

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## 1.450 python-ipy 0.83-r0

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## 1.451 rsync 3.1.3-r0

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/\* GNU m4 -- A simple macro processor

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\*/

#include "m4.h"

#include <getopt.h>

#include <limits.h>

#include <signal.h>

#include "c-stack.h"

#include "ignore-value.h"

#include "prognam.h"

#include "version-etc.h"

#ifdef DEBUG\_STKOVF

#

include "assert.h"

#endif

```

#define AUTHORS "Rene' Seindal"

static void usage (int) M4_GNUC_NORETURN;

/* Enable sync output for /lib/cpp (-s). */
int sync_output = 0;

/* Debug (-d[flags]). */
int debug_level = 0;

/* Hash table size (should be a prime) (-Hsize). */
size_t hash_table_size = HASHMAX;

/* Disable GNU extensions (-G). */
int no_gnu_extensions = 0;

/* Prefix all builtin functions by `m4_'. */
int prefix_all_builtins = 0;

/* Max length of arguments in trace output (-lsize). */
int max_debug_argument_length = 0;

/* Suppress warnings about missing arguments. */
int suppress_warnings = 0;

/* If true, then warnings affect exit status. */
static bool fatal_warnings = false;

/* If not zero, then value of exit status for warning diagnostics. */
int warning_status = 0;

/* Artificial limit for expansion_level in macro.c. */
int nesting_limit = 1024;

#ifdef ENABLE_CHANGEWORD
/* User provided regexp for describing m4
words. */
const char *user_word_regexp = "";
#endif

/* Global catchall for any errors that should affect final error status, but
where we try to continue execution in the meantime. */
int retcode;

struct macro_definition
{
    struct macro_definition *next;

```

```

int code; /* D, U, s, t, 'l', or DEBUGFILE_OPTION. */
const char *arg;
};
typedef struct macro_definition macro_definition;

/* Error handling functions. */

/*-----
| Wrapper around error. |
`-----*/

void
m4_error (int status, int errnum, const char *format, ...)
{
    va_list args;
    va_start (args, format);
    verror_at_line (status, errnum, current_line ? current_file : NULL,
                   current_line, format, args);
    if (fatal_warnings && ! retcode)
        retcode = EXIT_FAILURE;
    va_end (args);
}

/*-----
| Wrapper around error_at_line. |
`-----*/

void
m4_error_at_line (int status,
                 int errnum, const char *file, int line,
                 const char *format, ...)
{
    va_list args;
    va_start (args, format);
    verror_at_line (status, errnum, line ? file : NULL, line, format, args);
    if (fatal_warnings && ! retcode)
        retcode = EXIT_FAILURE;
    va_end (args);
}

#ifndef SIGBUS
# define SIGBUS SIGILL
#endif

#ifndef NSIG
# ifndef MAX
#  define MAX(a,b) ((a) < (b) ? (b) : (a))
# endif

```

```

# define NSIG (MAX (SIGABRT, MAX (SIGILL, MAX (SIGFPE, \
                                MAX (SIGSEGV, SIGBUS)))) + 1)

#endif

/* Pre-translated messages for program errors. Do not translate in
   the signal handler, since gettext and strsignal are not
   async-signal-safe. */
static const char * volatile program_error_message;
static const char * volatile signal_message[NSIG];

/* Print a nicer message about any programmer errors, then exit. This
   must be aync-signal safe, since it is executed as a signal
   handler. If SIGNO is zero,
   this represents a stack overflow; in
   that case, we return to allow c_stack_action to handle things. */
static void M4_GNUC_PURE
fault_handler (int signo)
{
  if (signo)
  {
    /* POSIX states that reading static memory is, in general, not
       async-safe. However, the static variables that we read are
       never modified once this handler is installed, so this
       particular usage is safe. And it seems an oversight that
       POSIX claims strlen is not async-safe. Ignore write
       failures, since we will exit with non-zero status anyway. */
#define WRITE(f, b, l) ignore_value (write (f, b, l))
    WRITE (STDERR_FILENO, program_name, strlen (program_name));
    WRITE (STDERR_FILENO, ": ", 2);
    WRITE (STDERR_FILENO, program_error_message,
           strlen (program_error_message));
    if (signal_message[signo])
    {
      WRITE (STDERR_FILENO, ": ", 2);
      WRITE (STDERR_FILENO, signal_message[signo],
            strlen (signal_message[signo]));
    }
    WRITE (STDERR_FILENO, "\n", 1);
#undef WRITE
    _exit (EXIT_INTERNAL_ERROR);
  }
}

/*-----
| Print a usage message and exit with STATUS. |
`-----*/

```

```

static void
usage (int status)
{
if (status != EXIT_SUCCESS)
    fprintf (stderr, "Try `%s --help' for more information.\n", program_name);
else
    {
    fprintf ("Usage: %s [OPTION]... [FILE]...\n", program_name);
    fputs ("\n
Process macros in FILEs. If no FILE or if FILE is `-', standard input\n
is read.\n
", stdout);
    fputs ("\n
Mandatory or optional arguments to long options are mandatory or optional\n
for short options too.\n
\n
Operation modes:\n
    --help            display this help and exit\n
    --version         output version information and exit\n
", stdout);
    fprintf ("\n
-E, --fatal-warnings
    once: warnings become errors, twice: stop\n
        execution at first error\n
-i, --interactive    unbuffer output, ignore interrupts\n
-P, --prefix-builtins force a `m4_' prefix to all builtins\n
-Q, --quiet, --silent suppress some warnings for builtins\n
    --warn-macro-sequence[=REGEXP]\n
        warn if macro definition matches REGEXP,\n
        default %s\n
", DEFAULT_MACRO_SEQUENCE);
#ifdef ENABLE_CHANGEWORD
    fputs ("\n
-W, --word-regexp=REGEXP use REGEXP for macro name syntax\n
", stdout);
#endif
    fputs ("\n
\n
Preprocessor features:\n
-D, --define=NAME[=VALUE] define NAME as having VALUE, or empty\n
-I, --include=DIRECTORY append DIRECTORY to include path\n
-s, --synclines      generate `#line NUM \"FILE\"' lines\n
-U, --undefine=NAME  undefine NAME\n
", stdout);
    puts
    ("");
    fprintf (_("\n

```

```

Limits control:\n\
-g, --gnu          override -G to re-enable GNU extensions\n\
-G, --traditional  suppress all GNU extensions\n\
-H, --hashsize=PRIME  set symbol lookup hash table size [509]\n\
-L, --nesting-limit=NUMBER  change nesting limit, 0 for unlimited [%d]\n\
"), nesting_limit);
    puts ("");
    fputs ("\n\
Frozen state files:\n\
-F, --freeze-state=FILE  produce a frozen state on FILE at end\n\
-R, --reload-state=FILE  reload a frozen state from FILE at start\n\
", stdout);
    fputs ("\n\
\n\
Debugging:\n\
-d, --debug[=FLAGS]      set debug level (no FLAGS implies `aeq')\n\
    --debugfile[=FILE]   redirect debug and trace output to FILE\n\
                          (default stderr, discard if empty string)\n\
-l, --arglength=NUM      restrict macro tracing size\n\
-t, --trace=NAME         trace NAME when it is defined\n\
", stdout);
    fputs
    ("
\n\
\n\
FLAGS is any of:\n\
a  show actual arguments\n\
c  show before collect, after collect and after call\n\
e  show expansion\n\
f  say current input file name\n\
i  show changes in input files\n\
l  say current input line number\n\
p  show results of path searches\n\
q  quote values as necessary, with a or e flag\n\
t  trace for all macro calls, not only traceon'ed\n\
x  add a unique macro call id, useful with c flag\n\
V  shorthand for all of the above flags\n\
", stdout);
    fputs ("
\n\
\n\
If defined, the environment variable `M4PATH' is a colon-separated list\n\
of directories included after any specified by `-I'.\n\
", stdout);
    fputs ("
\n\
\n\
Exit status is 0 for success, 1 for failure, 63 for frozen file version\n\
mismatch, or whatever value was passed to the m4exit macro.\n\
", stdout);
    emit_bug_reporting_address ();

```

```

    }
    exit (status);
}

/*-----
| Decode options
| and launch execution. |
`-----*/

/* For long options that have no equivalent short option, use a
   non-character as a pseudo short option, starting with CHAR_MAX + 1. */
enum
{
    DEBUGFILE_OPTION = CHAR_MAX + 1, /* no short opt */
    DIVERSIONS_OPTION, /* not quite -N, because of message */
    WARN_MACRO_SEQUENCE_OPTION, /* no short opt */

    HELP_OPTION, /* no short opt */
    VERSION_OPTION /* no short opt */
};

static const struct option long_options[] =
{
    {"arglength", required_argument, NULL, 'l'},
    {"debug", optional_argument, NULL, 'd'},
    {"define", required_argument, NULL, 'D'},
    {"error-output", required_argument, NULL, 'o'}, /* FIXME: deprecate in 2.0 */
    {"fatal-warnings", no_argument, NULL, 'E'},
    {"freeze-state", required_argument, NULL, 'F'},
    {"gnu", no_argument, NULL, 'g'},
    {"hashsize", required_argument, NULL, 'H'},
    {"include", required_argument, NULL, 'I'},
    {"interactive", no_argument, NULL, 'i'},
    {"nesting-limit", required_argument, NULL, 'L'},
    {"prefix-builtins", no_argument, NULL, 'P'},
    {"quiet", no_argument, NULL, 'Q'},
    {"reload-state", required_argument, NULL, 'R'},
    {"silent", no_argument, NULL, 'S'},
    {"synclines", no_argument, NULL, 's'},
    {"trace", required_argument, NULL, 't'},
    {"traditional", no_argument, NULL, 'G'},
    {"undefine", required_argument, NULL, 'U'},
#ifdef ENABLE_CHANGEWORD
    {"word-regexp", required_argument, NULL, 'W'},
#endif
    {"debugfile", optional_argument, NULL, DEBUGFILE_OPTION},
    {"diversions", required_argument, NULL, DIVERSIONS_OPTION},

```

```

{"warn-macro-sequence", optional_argument, NULL, WARN_MACRO_SEQUENCE_OPTION},

{"help", no_argument, NULL, HELP_OPTION},
{"version", no_argument, NULL, VERSION_OPTION},

{ NULL, 0, NULL, 0 },
};

/* Process a command line file NAME, and return true only if it was
stdin. */
static
void
process_file (const char *name)
{
if (STREQ (name, "-"))
{
/* If stdin is a terminal, we want to allow 'm4 - file -'
to read input from stdin twice, like GNU cat. Besides,
there is no point closing stdin before wrapped text, to
minimize bugs in syscmd called from wrapped text. */
push_file (stdin, "stdin", false);
}
else
{
char *full_name;
FILE *fp = m4_path_search (name, &full_name);
if (fp == NULL)
{
error (0, errno, _("cannot open `%s'"), name);
/* Set the status to EXIT_FAILURE, even though we
continue to process files after a missing file. */
retcode = EXIT_FAILURE;
return;
}
push_file (fp, full_name, true);
free (full_name);
}
expand_input ();
}

/* POSIX requires only -D, -U, and -s; and says that the first two
must be recognized when interspersed with file names. Traditional
behavior also handles -s between files. Starting OPTSTRING with
'-' forces getopt_long to hand back file names as arguments to opt
'\1', rather than reordering the command line. */
#ifdef ENABLE_CHANGEWORD
#define OPTSTRING "-B:D:EF:GH:I:L:N:PQR:S:T:U:W:d::egil:o:st:"
#else

```



```

#define OPTSTRING "-B:D:EF:GH:I:L:N:PQR:S:T:U:d::egil:ost:"
#endif

int
main (int argc, char *const *argv)
{
    struct sigaction act;
    macro_definition *head;    /* head of deferred argument list */
    macro_definition *tail;
    macro_definition *defn;
    int optchar;              /* option character */

    macro_definition *defines;
    bool interactive = false;
    bool seen_file = false;
    const char *debugfile = NULL;
    const char *frozen_file_to_read = NULL;
    const char *frozen_file_to_write = NULL;
    const char *macro_sequence = "";

    set_program_name (argv[0]);
    retcode = EXIT_SUCCESS;
    atexit (close_stdin);

    include_init ();
    debug_init ();

    /* Stack
    overflow and program error handling. Ignore failure to
    install a handler, since this is merely for improved output on
    crash, and we should never crash ;). We install SIGBUS and
    SIGSEGV handlers prior to using the c-stack module; depending on
    the platform, c-stack will then override none, SIGSEGV, or both
    handlers. */
    program_error_message
        = xasprintf (_("internal error detected; please report this bug to <%s>"),
            PACKAGE_BUGREPORT);
    signal_message[SIGSEGV] = xstrdup (strsignal (SIGSEGV));
    signal_message[SIGABRT] = xstrdup (strsignal (SIGABRT));
    signal_message[SIGILL] = xstrdup (strsignal (SIGILL));
    signal_message[SIGFPE] = xstrdup (strsignal (SIGFPE));
    if (SIGBUS != SIGILL && SIGBUS != SIGSEGV)
        signal_message[SIGBUS] = xstrdup (strsignal (SIGBUS));
    sigemptyset (&act.sa_mask);
    /* One-shot - if we fault while handling a fault, we want to revert
    to default signal behavior. */
    act.sa_flags = SA_NODEFER

```

```

| SA_RESETHAND;
act.sa_handler = fault_handler;
sigaction (SIGSEGV, &act, NULL);
sigaction (SIGABRT, &act, NULL);
sigaction (SIGILL, &act, NULL);
sigaction (SIGFPE, &act, NULL);
sigaction (SIGBUS, &act, NULL);
if (c_stack_action (fault_handler) == 0)
    nesting_limit = 0;

#ifdef DEBUG_STKOVF
/* Make it easier to test our fault handlers. Exporting M4_CRASH=0
   attempts a SIGSEGV, exporting it as 1 attempts an assertion
   failure with a fallback to abort. */
{
    char *crash = getenv ("M4_CRASH");
    if (crash)
        {
            if (!strtol (crash, NULL, 10))
                ++*(int *) 8;
            assert (false);
            abort ();
        }
}
#endif /* DEBUG_STKOVF */

/* First, we decode the arguments, to size up tables and stuff. */
head = tail = NULL;

while ((optchar = getopt_long (argc, (char **) argv, OPTSTRING,
                               long_options, NULL)) != -1)
    switch (optchar)
        {
        default:
            usage (EXIT_FAILURE);

        case 'B':
        case 'S':
        case 'T':
            /* Compatibility junk: options that other implementations
               support, but which we ignore as no-ops and don't list in
               --help. */
            error (0, 0, _("warning: `m4 -%c' may be removed in a future release"),
                  optchar);
            break;

        case 'N':
        case DIVERSIONS_OPTION:

```

```

/* -N became an obsolete no-op in 1.4.x. */
error (0, 0, _("warning: `m4 %s' is deprecated"),
      optchar == 'N' ? "-N" : "--diversions");
break;

case 'D':
case 'U':
case 's':
case 't':
case '\l':
case DEBUGFILE_OPTION:
/* Arguments that cannot be handled until later are accumulated. */

defn = (macro_definition *) xmalloc (sizeof (macro_definition));
defn->code = optchar;
defn->arg = optarg;
defn->next = NULL;

if (head == NULL)

head = defn;
else
  tail->next = defn;
tail = defn;

break;

case 'E':
if (! fatal_warnings)
  fatal_warnings = true;
else
  warning_status = EXIT_FAILURE;
break;

case 'F':
frozen_file_to_write = optarg;
break;

case 'G':
no_gnu_extensions = 1;
break;

case 'H':
hash_table_size = strtol (optarg, NULL, 10);
if (hash_table_size == 0)
  hash_table_size = HASHMAX;
break;

```

```

case 'I':
    add_include_directory (optarg);
    break;

case 'L':
    nesting_limit = strtol (optarg, NULL, 10);
    break;

case 'P':
    prefix_all_builtins = 1;
    break;

case 'Q':
    suppress_warnings = 1;
    break;

case 'R':
    frozen_file_to_read = optarg;
    break;

#ifdef ENABLE_CHANGEWORD
    case 'W':
        user_word_regexp
= optarg;
        break;
#endif

case 'd':
    debug_level = debug_decode (optarg);
    if (debug_level < 0)
        {
            error (0, 0, _("bad debug flags: `%s'"), optarg);
            debug_level = 0;
        }
    break;

case 'e':
    error (0, 0, _("warning: `m4 -e' is deprecated, use `-i' instead"));
    /* fall through */
case 'i':
    interactive = true;
    break;

case 'g':
    no_gnu_extensions = 0;
    break;

case 'l':

```

```

max_debug_argument_length = strtol (optarg, NULL, 10);
if (max_debug_argument_length <= 0)
    max_debug_argument_length = 0;
break;

case 'o':
    /* -o/--error-output are deprecated synonyms of --debugfile,
       but don't issue a deprecation warning until autoconf 2.61
       or later is more widely established, as such a warning
       would interfere with all earlier versions of autoconf.
    */
    /* Don't call debug_set_output here, as it has side effects. */
    debugfile = optarg;
    break;

case WARN_MACRO_SEQUENCE_OPTION:
    /* Don't call set_macro_sequence here, as it can exit.
       --warn-macro-sequence sets optarg to NULL (which uses the
       default regexp); --warn-macro-sequence= sets optarg to ""
       (which disables these warnings). */
    macro_sequence = optarg;
    break;

case VERSION_OPTION:
    version_etc (stdout, PACKAGE, PACKAGE_NAME, VERSION, AUTHORS, NULL);
    exit (EXIT_SUCCESS);
    break;

case HELP_OPTION:
    usage (EXIT_SUCCESS);
    break;
}

defines = head;

/* Do the basic initializations. */
if (debugfile && !debug_set_output (debugfile))
    M4ERROR ((warning_status, errno, "cannot set debug file `%s'", debugfile));

input_init ();
output_init ();
symtab_init ();
set_macro_sequence (macro_sequence);
include_env_init ();

if (frozen_file_to_read)
    reload_frozen_state (frozen_file_to_read);
else

```

```

builtin_init ();

/* Interactive mode means unbuffered output, and interrupts ignored. */

if (interactive)
{
    signal (SIGINT, SIG_IGN);
    setbuf (stdout, (char *) NULL);
}

/* Handle deferred command line macro definitions. Must come after
initialization of the symbol table. */

while (defines != NULL)
{
    macro_definition *next;
    symbol *sym;

    switch (defines->code)
    {
        case 'D':
            {
                /* defines->arg is read-only, so we need a copy. */
                char *macro_name = xstrdup (defines->arg);
                char *macro_value = strchr (macro_name, '=');
                if (macro_value)
                    *macro_value++ = '\0';
                define_user_macro (macro_name, macro_value, SYMBOL_INSERT);
                free (macro_name);
            }
            break;

        case
        'U':
            lookup_symbol (defines->arg, SYMBOL_DELETE);
            break;

        case 't':
            sym = lookup_symbol (defines->arg, SYMBOL_INSERT);
            SYMBOL_TRACED (sym) = true;
            break;

        case 's':
            sync_output = 1;
            break;

        case '\1':
            seen_file = true;

```

```

    process_file (defines->arg);
    break;

case DEBUGFILE_OPTION:
    if (!debug_set_output (defines->arg))
        M4ERROR ((warning_status, errno, "cannot set debug file `%s",
            debugfile ? debugfile : _("stderr"))));
    break;

default:
    M4ERROR ((0, 0, "INTERNAL ERROR: bad code in deferred arguments"));
    abort ();
}

next = defines->next;
free (defines);
defines = next;
}

/* Handle remaining input files. Each file is pushed on the input,
   and the input read. Wrapup text is handled separately later. */

if (optind == argc && !seen_file)
    process_file ("-");
else
    for (; optind < argc; optind++)
        process_file (argv[optind]);

/* Now handle wrapup text. */

while (pop_wrapup ())
    expand_input ();

/* Change debug stream back to stderr, to force flushing the debug
   stream and detect any errors it might have encountered. The
   three standard streams are closed by close_stdin. */
debug_set_output (NULL);

if (frozen_file_to_write)
    produce_frozen_state (frozen_file_to_write);
else
    {
        make_diversion (0);
        undivert_all ();
    }
output_exit ();
free_macro_sequence ();
exit (retcode);

```

}

# 1.455 ebttables 2.0.10-4-r4

## 1.455.1 Available under license :

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Version 2, June 1991

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```

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If the program is interactive, make it output a short notice like this

when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome
to redistribute it
under certain conditions; type `show c' for details.
```

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```
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`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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# 1.456 libnsl 1.2.0+gitAUTOINC+37c5ffe303-r0

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## 1.457 parted 3.2-r1

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## 1.459 screen 4.6.2-r0

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## 1.463 json-c 0.13.1-r0

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## 1.464 fribidi 1.0.5-r0

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```
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=====

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## 1.466 go-connections

### 0.2.1+gitAUTOINC+4ccf312bf1-r0

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# 1.467 libcheck 0.12.0-r0

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StartChar: copyright

Encoding: 169 169 102

GlifName: copyright

Width: 862

Flags: HMW

LayerCount: 2

Back

SplineSet

441 156 m 0

335 156 273 218 273 327 c 0

273 382 287 427 315 462 c 0

344 498 390 515 452 515 c 0

480 515 510 508 541 494 c 1

526 452 l 1

499 462 473 466 450 466 c 0

371 466 330 420 330 339 c 0

330 253 372 203 458 203 c 0

478 203 499 207 522 215 c 1

537 175 l 1

504 162 472 156 441 156 c 0

430 609 m 0

347 609 276 572 231 529 c 0

186 485 148 416 148 333 c 0

148 251 186 181 231 138 c 0

276 94 347 58 430 58 c 0

513 58 583 95 628 138 c 0

673 181 711 251 711 333 c 0

711 416 673 485 628 529 c 0

583 573 513 609 430 609 c 0

428 674 m 0

530 674 618 630 673 576 c 0

729 522 776 436 776 333 c 0

776 231 730 146 674 92 c 0

618 38 532 -7 430 -7 c 0

327 -7 242 38 186 92 c 0  
130 146 83 230 83 333 c 0  
83 435 129 521 185 575 c 0  
240 629 327 674 428 674 c 0  
EndSplineSet  
Fore  
SplineSet  
70 344 m 3  
70 561 215 706 432 706 c 3  
648 706 792 560 792 344 c 3  
792 134 645 -10 432  
-10 c 3  
216 -10 70 131 70 344 c 3  
156 348 m 3  
156 183 264 76 432 76 c 3  
602 76 709 182 709 348 c 3  
709 514 597 624 432 624 c 3  
266 624 156 514 156 348 c 3  
337 347 m 3  
337 274 376 228 450 228 c 3  
493 228 515 238 552 252 c 1  
580 189 1 1  
539 165 497 152 432 152 c 3  
314 152 241 229 241 347 c 3  
241 468 313 544 432 544 c 3  
499 544 534 530 580 508 c 1  
552 446 1 1  
544 449 546 448 528 453 c 0  
506 461 479 470 450 470 c 3  
374 470 337 423 337 347 c 3

EndSplineSet

Validated: 1

EndChar

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StartChar: copyright

Encoding: 169 169 102

GlifName: copyright

Width: 869

Flags: HMW

LayerCount: 2

Back

SplineSet

548 524 m 2

564 517 1 1

537 439 1 1

518 446 1 1

495 454 473 458 449 458 c 0

371 458 351 408 351 353 c 0

351 294 372 238 455 238 c 0

475 238 495 242 515 249 c 2

533 255 1 1

561 179 1 1

543 172 1 2

509 159 474 152 437 152 c 0

355 152 255 195 255 343 c 0

255 496 355 547 442 547 c 0

479 547 515 539 548 524 c 2

430 602 m 0

284 602 171 484 171 347 c 0

171 210 284 93 430 93 c 0

576 93 688 210 688 347 c 0

688 484 576 602 430 602 c 0

792 347 m 3

792 155 634 -10 430 -10 c 3

226 -10 67 154 67 347 c 3

67 536 223 706 430 706 c 3

634 706 792 539 792 347 c 3

EndSplineSet

Fore

SplineSet

784 334 m 259

784 129 638 -10 432 -10 c 3

229 -10 85 130 85 334 c 259

85 537 228 678 432 678 c 3

638 678 784 540 784 334 c 259

719 334 m 259

719 498 600 614 436 614 c 3

270 614 151 499 151 334 c 259

151 170 271 57 436 57 c 3

599 57 719 171 719 334 c 259  
281 329 m 3  
281 454 339  
517 456 517 c 3  
486 517 517 511 550 497 c 1  
531 443 1 1  
506 451 482 456 458 456 c 3  
385 456 349 418 349 341 c 3  
349 260 384 216 466 216 c 3  
484 216 504 221 527 229 c 1  
546 175 1 1  
513 161 480 155 448 155 c 3  
342 155 281 222 281 329 c 3  
EndSplineSet  
Validated: 1  
EndChar

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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## 1.474 bc 1.07.1-r0

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Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

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The

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## 1.476 util-macros 1.19.2-r0

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```
<one line to give the program's name and a brief idea of what it does.>  
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```

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```
<program> Copyright (C) <year> <name of author>  
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
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```

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```
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This program comes with ABSOLUTELY NO WARRANTY;
for details type @samp{show w}.
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```

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Version 3, 29 June 2007

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# 1.480 gmp 6.1.2-r0

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# 1.482 shadow 4.6-r0

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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goproperties - properties file decoder for Go

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Gocheck - A rich testing framework for Go

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Go support for Protocol Buffers - Google's data interchange format

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## 1.490 pciutils 3.6.2-r0

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```
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```

```
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```

```
Ty Coon, President of Vice
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# 1.493 make 4.2.1-r0

## 1.493.1 Available under license :

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/\* Argument parsing and main program of GNU Make.

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```
#include "makeint.h"
#include "os.h"
#include "filedef.h"
#include "dep.h"
#include "variable.h"
#include "job.h"
#include "commands.h"
#include "rule.h"
#include "debug.h"
#include "getopt.h"

#include <assert.h>
#ifdef _AMIGA
#
# include <dos/dos.h>
# include <proto/dos.h>
#endif
#ifdef WINDOWS32
# include <windows.h>
# include <io.h>
# include "pathstuff.h"
# include "sub_proc.h"
```

```

#include "w32err.h"
#endif
#ifdef __EMX__
#include <sys/types.h>
#include <sys/wait.h>
#endif
#ifdef HAVE_FCNTL_H
#include <fcntl.h>
#endif

#ifdef _AMIGA
int __stack = 20000; /* Make sure we have 20K of stack space */
#endif
#ifdef VMS
int vms_use_mcr_command = 0;
int vms_always_use_cmd_file = 0;
int vms_gnv_shell = 0;
int vms_legacy_behavior = 0;
int vms_comma_separator = 0;
int vms_unix_simulation = 0;
int vms_report_unix_paths = 0;

/* Evaluates if a VMS environment option is set, only look at first character */
static int
get_vms_env_flag (const char *name, int default_value)
{
char * value;
char x;

value = getenv (name);
if (value == NULL)
return default_value;

x = toupper (value[0]);
switch (x)
{
case 'I':
case 'T':
case 'E':
return 1;
break;
case 'O':
case 'F':
case 'D':
return 0;
}
}
#endif

```

```

#if defined HAVE_WAITPID || defined HAVE_WAIT3
# define HAVE_WAIT_NOHANG
#endif

#ifndef HAVE_UNISTD_H
int chdir ();
#endif

#ifndef STDC_HEADERS
# ifndef sun          /* Sun has an incorrect decl in a header. */
void exit (int) __attribute__((noreturn));
# endif
double atof ();
#endif

static void clean_jobserver (int status);
static void print_data_base (void);
static void print_version (void);
static void decode_switches (int argc, const char **argv, int env);
static void decode_env_switches (const char *envar, unsigned int len);
static struct variable *define_makeflags (int all, int makefile);
static char *quote_for_env (char *out, const char *in);
static void initialize_global_hash_tables (void);

/* The structure that describes an accepted command switch. */

struct command_switch
{
    int c;          /* The switch character. */

    enum          /* Type of the value. */
    {
        flag,      /* Turn int flag on. */
        flag_off,  /* Turn int flag off. */
        string,     /* One string per invocation. */
        strlist,    /* One string per switch. */
        filename,   /* A string containing a file name. */
        positive_int, /* A positive integer. */
        floating,   /* A floating-point number (double). */
        ignore      /* Ignored. */
    } type;

    void *value_ptr; /* Pointer to the value-holding variable. */

    unsigned int env:1; /* Can come from MAKEFLAGS. */
    unsigned int toenv:1; /* Should be put in MAKEFLAGS. */
    unsigned int no_makefile:1; /* Don't propagate when remaking makefiles. */

```

```

const void *noarg_value; /* Pointer to value used if no arg given. */
const void *default_value; /* Pointer
to default value. */

const char *long_name; /* Long option name. */
};

/* True if C is a switch value that corresponds to a short option. */

#define short_option(c) ((c) <= CHAR_MAX)

/* The structure used to hold the list of strings given
in command switches of a type that takes strlist arguments. */

struct stringlist
{
const char **list; /* Nil-terminated list of strings. */
unsigned int idx; /* Index into above. */
unsigned int max; /* Number of pointers allocated. */
};

/* The recognized command switches. */

/* Nonzero means do extra verification (that may slow things down). */

int verify_flag;

/* Nonzero means do not print commands to be executed (-s). */

int silent_flag;

/* Nonzero means just touch the files
that would appear to need remaking (-t) */

int touch_flag;

/* Nonzero means just print what commands would need to be executed,
don't actually execute them (-n). */

int
just_print_flag;

/* Print debugging info (--debug). */

static struct stringlist *db_flags = 0;
static int debug_flag = 0;

```

```
int db_level = 0;

/* Synchronize output (--output-sync). */

char *output_sync_option = 0;

#ifdef WINDOWS32
/* Suspend make in main for a short time to allow debugger to attach */

int suspend_flag = 0;
#endif

/* Environment variables override makefile definitions. */

int env_overrides = 0;

/* Nonzero means ignore status codes returned by commands
   executed to remake files. Just treat them all as successful (-i). */

int ignore_errors_flag = 0;

/* Nonzero means don't remake anything, just print the data base
   that results from reading the makefile (-p). */

int print_data_base_flag = 0;

/* Nonzero means don't remake anything; just return a nonzero status
   if the specified targets are not up to date (-q). */

int question_flag = 0;

/* Nonzero means do not use any of the builtin rules (-r) / variables (-R).
   */

int no_builtin_rules_flag = 0;
int no_builtin_variables_flag = 0;

/* Nonzero means keep going even if remaking some file fails (-k). */

int keep_going_flag;
int default_keep_going_flag = 0;

/* Nonzero means check symlink mtimes. */

int check_symlink_flag = 0;

/* Nonzero means print directory before starting and when done (-w). */
```

```

int print_directory_flag = 0;

/* Nonzero means ignore print_directory_flag and never print the directory.
   This is necessary because print_directory_flag is set implicitly. */

int inhibit_print_directory_flag = 0;

/* Nonzero means print version information. */

int print_version_flag = 0;

/* List of makefiles given with -f switches. */

static struct stringlist *makefiles = 0;

/* Size of the stack when we started. */

#ifdef SET_STACK_SIZE
struct rlimit stack_limit;
#endif

/* Number of job slots for parallelism. */

unsigned int job_slots;

#define INVALID_JOB_SLOTS (-1)
static unsigned int
    master_job_slots = 0;
static int arg_job_slots = INVALID_JOB_SLOTS;

static const int default_job_slots = INVALID_JOB_SLOTS;

/* Value of job_slots that means no limit. */

static const int inf_jobs = 0;

/* Authorization for the jobserver. */

static char *jobserver_auth = NULL;

/* Handle for the mutex used on Windows to synchronize output of our
   children under -O. */

char *sync_mutex = NULL;

/* Maximum load average at which multiple jobs will be run.

```



```

Negative values mean unlimited, while zero means limit to
zero load (which could be useful to start infinite jobs remotely
but one at a time locally). */
#ifndef NO_FLOAT
double max_load_average = -1.0;
double default_load_average = -1.0;
#else
int max_load_average = -1;
int default_load_average = -1;
#endif

/* List of directories given with -C switches. */

static struct stringlist *directories = 0;

/* List of include directories given with -I switches. */

static struct stringlist
*include_directories = 0;

/* List of files given with -o switches. */

static struct stringlist *old_files = 0;

/* List of files given with -W switches. */

static struct stringlist *new_files = 0;

/* List of strings to be eval'd. */
static struct stringlist *eval_strings = 0;

/* If nonzero, we should just print usage and exit. */

static int print_usage_flag = 0;

/* If nonzero, we should print a warning message
for each reference to an undefined variable. */

int warn_undefined_variables_flag;

/* If nonzero, always build all targets, regardless of whether
they appear out of date or not. */

static int always_make_set = 0;
int always_make_flag = 0;

/* If nonzero, we're in the "try to rebuild makefiles" phase. */

```

```

int rebuilding_makefiles = 0;

/* Remember the original value of the SHELL variable, from the environment. */

struct variable shell_var;

/* This character introduces a command: it's the first char on the line. */

char
cmd_prefix = '\t';

/* The usage output. We write it this way to make life easier for the
translators, especially those trying to translate to right-to-left
languages like Hebrew. */

static const char *const usage[] =
{
    N_("Options:\n"),
    N_("\n"),
    "-b, -m          Ignored for compatibility.\n"),
    N_("\n"),
    "-B, --always-make      Unconditionally make all targets.\n"),
    N_("\n"),
    "-C DIRECTORY, --directory=DIRECTORY\n\
          Change to DIRECTORY before doing anything.\n"),
    N_("\n"),
    "-d          Print lots of debugging information.\n"),
    N_("\n"),
    "--debug[=FLAGS]      Print various types of debugging information.\n"),
    N_("\n"),
    "-e, --environment-overrides\n\
          Environment variables override makefiles.\n"),
    N_("\n"),
    "--eval=STRING      Evaluate STRING as a makefile statement.\n"),
    N_("\n"),
    "-f FILE, --file=FILE, --makefile=FILE\n\
          Read FILE as a makefile.\n"),
    N_("\n"),
    "-h, --help          Print this message and exit.\n"),
    N_("\n"),
    "-i, --ignore-errors      Ignore errors from recipes.\n"),
    N_("\n"),
    "-I DIRECTORY, --include-dir=DIRECTORY\n\
          Search DIRECTORY for included makefiles.\n"),
    N_("\n"),
    "-j [N], --jobs[=N]      Allow N jobs at once; infinite jobs with no arg.\n"),
    N_("\n")
}

```

```

-k, --keep-going      Keep going when some targets can't be made.\n"),
  N_("\n
-l [N], --load-average[=N], --max-load[=N]\n\
      Don't start multiple jobs unless load is below N.\n"),
  N_("\n
-L, --check-symlink-times  Use the latest mtime between symlinks and target.\n"),
  N_("\n
-n, --just-print, --dry-run, --recon\n\
      Don't actually run any recipe; just print them.\n"),
  N_("\n
-o FILE, --old-file=FILE, --assume-old=FILE\n\
      Consider FILE to be very old and don't remake it.\n"),
  N_("\n
-O[TYPE], --output-sync[=TYPE]\n\
      Synchronize output of parallel jobs by TYPE.\n"),
  N_("\n
-p, --print-data-base      Print make's internal database.\n"),
  N_("\n
-q, --question            Run no recipe; exit status says if up to date.\n"),
  N_("\n
-r, --no-builtin-rules    Disable the built-in implicit rules.\n"),
  N_("\n
-R, --no-builtin-variables  Disable the built-in variable settings.\n"),
  N_("\n
-s, --silent, --quiet     Don't echo recipes.\n"),
  N_("\n
-S, --no-keep-going, --stop\n\
      Turns off -k.\n"),
  N_("\n
-t, --touch              Touch targets instead of remaking them.\n"),
  N_("\n
--trace                  Print tracing information.\n"),
  N_("\n
-v, --version            Print the version number of make and exit.\n"),
  N_("\n
-w, --print-directory     Print the
current directory.\n"),
  N_("\n
--no-print-directory     Turn off -w, even if it was turned on implicitly.\n"),
  N_("\n
-W FILE, --what-if=FILE, --new-file=FILE, --assume-new=FILE\n\
      Consider FILE to be infinitely new.\n"),
  N_("\n
--warn-undefined-variables  Warn when an undefined variable is referenced.\n"),
  NULL
};

```

```

/* The table of command switches.
Order matters here: this is the order MAKEFLAGS will be constructed.
So be sure all simple flags (single char, no argument) come first. */

static const struct command_switch switches[] =
{
    { 'b', ignore, 0, 0, 0, 0, 0, 0 },
    { 'B', flag, &always_make_set, 1, 1, 0, 0, 0, "always-make" },
    { 'd', flag, &debug_flag, 1, 1, 0, 0, 0, 0 },
#ifdef WINDOWS32
    { 'D', flag, &suspend_flag, 1, 1, 0, 0, 0, "suspend-for-debug" },
#endif
    { 'e', flag, &env_overrides, 1, 1, 0, 0, 0, "environment-overrides", },
    { 'h', flag, &print_usage_flag, 0, 0,
0, 0, 0, "help" },
    { 'i', flag, &ignore_errors_flag, 1, 1, 0, 0, 0, "ignore-errors" },
    { 'k', flag, &keep_going_flag, 1, 1, 0, 0, &default_keep_going_flag,
    "keep-going" },
    { 'L', flag, &check_symlink_flag, 1, 1, 0, 0, 0, "check-symlink-times" },
    { 'm', ignore, 0, 0, 0, 0, 0, 0 },
    { 'n', flag, &just_print_flag, 1, 1, 1, 0, 0, "just-print" },
    { 'p', flag, &print_data_base_flag, 1, 1, 0, 0, 0, "print-data-base" },
    { 'q', flag, &question_flag, 1, 1, 1, 0, 0, "question" },
    { 'r', flag, &no_builtin_rules_flag, 1, 1, 0, 0, 0, "no-builtin-rules" },
    { 'R', flag, &no_builtin_variables_flag, 1, 1, 0, 0, 0,
    "no-builtin-variables" },
    { 's', flag, &silent_flag, 1, 1, 0, 0, 0, "silent" },
    { 'S', flag_off, &keep_going_flag, 1, 1, 0, 0, &default_keep_going_flag,
    "no-keep-going" },
    { 't', flag, &touch_flag, 1, 1, 1, 0, 0, "touch" },
    { 'v', flag, &print_version_flag, 1, 1, 0, 0, 0, "version" },
    { 'w', flag, &print_directory_flag,
1, 1, 0, 0, 0, "print-directory" },

    /* These options take arguments. */
    { 'C', filename, &directories, 0, 0, 0, 0, 0, "directory" },
    { 'f', filename, &makefiles, 0, 0, 0, 0, 0, "file" },
    { 'I', filename, &include_directories, 1, 1, 0, 0, 0,
    "include-dir" },
    { 'j', positive_int, &arg_job_slots, 1, 1, 0, &inf_jobs, &default_job_slots,
    "jobs" },
#ifdef NO_FLOAT
    { 'l', floating, &max_load_average, 1, 1, 0, &default_load_average,
    &default_load_average, "load-average" },
#else
    { 'l', positive_int, &max_load_average, 1, 1, 0, &default_load_average,
    &default_load_average, "load-average" },
#endif
}

```

```

{ 'o', filename, &old_files, 0, 0, 0, 0, "old-file" },
{ 'O', string, &output_sync_option, 1, 1, 0, "target", 0, "output-sync" },
{ 'W', filename, &new_files, 0, 0, 0, 0, "what-if" },

/* These are long-style options. */
{ CHAR_MAX+1, strlist, &db_flags, 1, 1, 0, "basic", 0, "debug"
},
{ CHAR_MAX+2, string, &jobserver_auth, 1, 1, 0, 0, 0, "jobserver-auth" },
{ CHAR_MAX+3, flag, &trace_flag, 1, 1, 0, 0, 0, "trace" },
{ CHAR_MAX+4, flag, &inhibit_print_directory_flag, 1, 1, 0, 0, 0,
  "no-print-directory" },
{ CHAR_MAX+5, flag, &warn_undefined_variables_flag, 1, 1, 0, 0, 0,
  "warn-undefined-variables" },
{ CHAR_MAX+6, strlist, &eval_strings, 1, 0, 0, 0, 0, "eval" },
{ CHAR_MAX+7, string, &sync_mutex, 1, 1, 0, 0, 0, "sync-mutex" },
{ 0, 0, 0, 0, 0, 0, 0, 0, 0 }
};

/* Secondary long names for options. */

static struct option long_option_aliases[] =
{
{ "quiet",      no_argument,      0, 's' },
{ "stop",      no_argument,      0, 'S' },
{ "new-file",  required_argument, 0, 'W' },
{ "assume-new", required_argument, 0, 'W' },
{ "assume-old", required_argument, 0, 'o' },
{ "max-load",  optional_argument, 0, 'l' },
{ "dry-run",
  no_argument,      0, 'n' },
{ "recon",     no_argument,      0, 'n' },
{ "makefile",  required_argument, 0, 'f' },
};

/* List of goal targets. */

static struct goaldep *goals, *lastgoal;

/* List of variables which were defined on the command line
(or, equivalently, in MAKEFLAGS). */

struct command_variable
{
  struct command_variable *next;
  struct variable *variable;
};

static struct command_variable *command_variables;

```

```

/* The name we were invoked with. */

#ifdef WINDOWS32
/* On MS-Windows, we chop off the .exe suffix in 'main', so this
   cannot be 'const'. */
char *program;
#else
const char *program;
#endif

/* Our current directory before processing any -C options. */

char *directory_before_chdir;

/* Our current directory after processing all -C options. */

char *starting_directory;

/* Value of the MAKELEVEL variable at startup (or 0). */

unsigned int makelevel;

/*
   Pointer to the value of the .DEFAULT_GOAL special variable.
   The value will be the name of the goal to remake if the command line
   does not override it. It can be set by the makefile, or else it's
   the first target defined in the makefile whose name does not start
   with '!. */

struct variable * default_goal_var;

/* Pointer to structure for the file .DEFAULT
   whose commands are used for any file that has none of its own.
   This is zero if the makefiles do not define .DEFAULT. */

struct file *default_file;

/* Nonzero if we have seen the magic '.POSIX' target.
   This turns on pedantic compliance with POSIX.2. */

int posix_pedantic;

/* Nonzero if we have seen the '.SECONDEXPANSION' target.
   This turns on secondary expansion of prerequisites. */

int second_expansion;

/* Nonzero if we have seen the '.ONESHELL' target.

```

This causes the entire recipe to be handed to SHELL  
as a single string, potentially containing newlines. \*/

int

one\_shell;

/\* One of OUTPUT\_SYNC\_\* if the "--output-sync" option was given. This  
attempts to synchronize the output of parallel jobs such that the results  
of each job stay together. \*/

int output\_sync = OUTPUT\_SYNC\_NONE;

/\* Nonzero if the "--trace" option was given. \*/

int trace\_flag = 0;

/\* Nonzero if we have seen the 'NOTPARALLEL' target.  
This turns off parallel builds for this invocation of make. \*/

int not\_parallel;

/\* Nonzero if some rule detected clock skew; we keep track so (a) we only  
print one warning about it during the run, and (b) we can print a final  
warning at the end of the run. \*/

int clock\_skew\_detected;

/\* Map of possible stop characters for searching strings. \*/

#ifndef UCHAR\_MAX

# define UCHAR\_MAX 255

#endif

unsigned short stopchar\_map[UCHAR\_MAX + 1] = {0};

/\* If output-sync is enabled we'll collect all the output generated due to  
options, while reading makefiles, etc. \*/

struct output make\_sync;

/\*

Mask of signals that are being caught with fatal\_error\_signal. \*/

#ifdef POSIX

sigset\_t fatal\_signal\_set;

#else

# ifdef HAVE\_SIGSETMASK

int fatal\_signal\_mask;

# endif

```

#endif

#if !HAVE_DECL_BSD_SIGNAL && !defined bsd_signal
# if !defined HAVE_SIGACTION
# define bsd_signal signal
# else
typedef RETSIGTYPE (*bsd_signal_ret_t) (int);

static bsd_signal_ret_t
bsd_signal (int sig, bsd_signal_ret_t func)
{
    struct sigaction act, oact;
    act.sa_handler = func;
    act.sa_flags = SA_RESTART;
    sigemptyset (&act.sa_mask);
    sigaddset (&act.sa_mask, sig);
    if (sigaction (sig, &act, &oact) != 0)
        return SIG_ERR;
    return oact.sa_handler;
}
# endif
#endif

static void
initialize_global_hash_tables (void)
{
    init_hash_global_variable_set ();
    strcache_init ();
    init_hash_files ();
    hash_init_directories ();
    hash_init_function_table ();
}

/* This character map locate stop chars when parsing GNU makefiles.
   Each element is true if
   we should stop parsing on that character. */

static void
initialize_stopchar_map (void)
{
    int i;

    stopchar_map[(int)'0'] = MAP_NUL;
    stopchar_map[(int) '#'] = MAP_COMMENT;
    stopchar_map[(int) ';'] = MAP_SEMI;
    stopchar_map[(int) '='] = MAP_EQUALS;
    stopchar_map[(int) ':'] = MAP_COLON;
    stopchar_map[(int) '%'] = MAP_PERCENT;
}

```



```

stopchar_map[(int) '|'] = MAP_PIPE;
stopchar_map[(int) '.'] = MAP_DOT | MAP_USERFUNC;
stopchar_map[(int) ','] = MAP_COMMA;
stopchar_map[(int) '$'] = MAP_VARIABLE;

stopchar_map[(int) '-'] = MAP_USERFUNC;
stopchar_map[(int) '_'] = MAP_USERFUNC;

stopchar_map[(int) ' '] = MAP_BLANK;
stopchar_map[(int) '\t'] = MAP_BLANK;

stopchar_map[(int) '/'] = MAP_DIRSEP;
#if defined(VMS)
stopchar_map[(int) ':'] |= MAP_DIRSEP;
stopchar_map[(int) '|'] |= MAP_DIRSEP;
stopchar_map[(int) '>'] |= MAP_DIRSEP;
#elif defined(HAVE_DOS_PATHS)
stopchar_map[(int) '\\'] |= MAP_DIRSEP;
#endif

for (i = 1; i <= UCHAR_MAX; ++i)
{

if (isspace (i) && NONE_SET (stopchar_map[i], MAP_BLANK))
    /* Don't mark blank characters as newline characters. */
    stopchar_map[i] |= MAP_NEWLINE;
else if (isalnum (i))
    stopchar_map[i] |= MAP_USERFUNC;
}
}

static const char *
expand_command_line_file (const char *name)
{
const char *cp;
char *expanded = 0;

if (name[0] == '\0')
    O (fatal, NILF, _("empty string invalid as file name"));

if (name[0] == '~')
{
expanded = tilde_expand (name);
if (expanded && expanded[0] != '\0')
    name = expanded;
}

/* This is also done in parse_file_seq, so this is redundant

```

```

    for names read from makefiles. It is here for names passed
    on the command line. */
while (name[0] == '.' && name[1] == '/')
{
    name += 2;
    while (name[0] == '/')
        /* Skip following slashes: "./foo" is "foo", not "/foo". */
        ++name;
}

if (name[0] == '\0')
{
    /* Nothing
else but one or more "./", maybe plus slashes! */
    name = "./";
}

cp = strcache_add (name);

free (expanded);

return cp;
}

/* Toggle -d on receipt of SIGUSR1. */

#ifdef SIGUSR1
static RETSIGTYPE
debug_signal_handler (int sig UNUSED)
{
    db_level = db_level ? DB_NONE : DB_BASIC;
}
#endif

static void
decode_debug_flags (void)
{
    const char **pp;

    if (debug_flag)
        db_level = DB_ALL;

    if (db_flags)
        for (pp=db_flags->list; *pp; ++pp)
        {
            const char *p = *pp;

            while (1)

```

```

{
switch (tolower (p[0]))
{
case 'a':
db_level |= DB_ALL;
break;
case 'b':
db_level |= DB_BASIC;
break;
case 'i':
db_level |= DB_BASIC | DB_IMPLICIT;
break;
case 'j':
db_level |= DB_JOBS;
break;

case 'm':
db_level |= DB_BASIC | DB_MAKEFILES;
break;
case 'n':
db_level = 0;
break;
case 'v':
db_level |= DB_BASIC | DB_VERBOSE;
break;
default:
OS (fatal, NILF,
    _("unknown debug level specification '%s'"), p);
}

while (*(++p) != '\0')
if (*p == ',' || *p == ' ')
{
++p;
break;
}

if (*p == '\0')
break;
}
}

if (db_level)
verify_flag = 1;

if (! db_level)
debug_flag = 0;
}

```

```

static void
decode_output_sync_flags (void)
{
#ifdef NO_OUTPUT_SYNC
    output_sync = OUTPUT_SYNC_NONE;
#else
    if (output_sync_option)
    {
        if (streq (output_sync_option, "none"))
            output_sync = OUTPUT_SYNC_NONE;
        else
            if (streq (output_sync_option, "line"))
                output_sync = OUTPUT_SYNC_LINE;
            else if (streq (output_sync_option, "target"))
                output_sync = OUTPUT_SYNC_TARGET;
            else if (streq (output_sync_option, "recurse"))
                output_sync = OUTPUT_SYNC_RECURSE;
            else
                OS (fatal, NILF,
                    _("unknown output-sync type '%s'"), output_sync_option);
    }

    if (sync_mutex)
        RECORD_SYNC_MUTEX (sync_mutex);
#endif
}

#ifdef WINDOWS32

#ifndef NO_OUTPUT_SYNC

/* This is called from start_job_command when it detects that
   output_sync option is in effect. The handle to the synchronization
   mutex is passed, as a string, to sub-makes via the --sync-mutex
   command-line argument. */
void
prepare_mutex_handle_string (sync_handle_t handle)
{
    if (!sync_mutex)
    {
        /* Prepare the mutex handle string for our children. */
        /* 2 hex digits per byte + 2 characters for "0x" + null. */
        sync_mutex = xmalloc ((2 * sizeof
            (sync_handle_t) + 2 + 1);
        sprintf (sync_mutex, "0x%Ix", handle);
        define_makeflags (1, 0);
    }
}

```

```

}

#endif /* NO_OUTPUT_SYNC */

/*
 * HANDLE runtime exceptions by avoiding a requestor on the GUI. Capture
 * exception and print it to stderr instead.
 *
 * If ! DB_VERBOSE, just print a simple message and exit.
 * If DB_VERBOSE, print a more verbose message.
 * If compiled for DEBUG, let exception pass through to GUI so that
 * debuggers can attach.
 */
LONG WINAPI
handle_runtime_exceptions (struct _EXCEPTION_POINTERS *exinfo)
{
    PEXCEPTION_RECORD exrec = exinfo->ExceptionRecord;
    LPSTR cmdline = GetCommandLine ();
    LPSTR prg = strtok (cmdline, " ");
    CHAR errmsg[1024];
#ifdef USE_EVENT_LOG
    HANDLE hEventSource;
    LPTSTR lpszStrings[1];
#endif
    if (! ISDB (DB_VERBOSE))
    {
        sprintf (errmsg,
            _("%s: Interrupt/Exception caught (code = 0x%lx, addr = 0x%p)\n"),
            prg, exrec->ExceptionCode, exrec->ExceptionAddress);
        fprintf (stderr, errmsg);
        exit (255);
    }

    sprintf (errmsg,
        _("\nUnhandled exception filter called from program %s\nExceptionCode = %lx\nExceptionFlags =
        %lx\nExceptionAddress = 0x%p\n"),
        prg, exrec->ExceptionCode, exrec->ExceptionFlags,
        exrec->ExceptionAddress);

    if (exrec->ExceptionCode == EXCEPTION_ACCESS_VIOLATION
        && exrec->NumberParameters >= 2)
        sprintf (&errmsg[strlen(errmsg)],
            (exrec->ExceptionInformation[0]
            ? _("Access violation: write operation at address 0x%p\n")
            : _("Access violation: read operation at address 0x%p\n")),
            (PVOID)exrec->ExceptionInformation[1]);

```

```

/* turn this on if we want to put stuff in the event log too */
#ifdef USE_EVENT_LOG
hEventSource = RegisterEventSource (NULL, "GNU Make");
lpzStrings[0] = errmsg;

if (hEventSource != NULL)
{
    ReportEvent (hEventSource,      /* handle of event
source */
                EVENTLOG_ERROR_TYPE, /* event type */
                0,                  /* event category */
                0,                  /* event ID */
                NULL,               /* current user's SID */
                1,                  /* strings in lpzStrings */
                0,                  /* no bytes of raw data */
                lpzStrings,         /* array of error strings */
                NULL);              /* no raw data */

    (VOID) DeregisterEventSource (hEventSource);
}
#endif

/* Write the error to stderr too */
fprintf (stderr, errmsg);

#ifdef DEBUG
return EXCEPTION_CONTINUE_SEARCH;
#else
exit (255);
return (255); /* not reached */
#endif
}

/*
* On WIN32 systems we don't have the luxury of a /bin directory that
* is mapped globally to every drive mounted to the system. Since make could
* be invoked from any drive, and we don't want to propagate
*/bin/sh
* to every single drive. Allow ourselves a chance to search for
* a value for default shell here (if the default path does not exist).
*/

int
find_and_set_default_shell (const char *token)
{
    int sh_found = 0;
    char *atoken = 0;
    const char *search_token;

```

```

const char *tokend;
PATH_VAR(sh_path);
extern const char *default_shell;

if (!token)
    search_token = default_shell;
else
    search_token = atoken = xstrdup (token);

/* If the user explicitly requests the DOS cmd shell, obey that request.
   However, make sure that's what they really want by requiring the value
   of SHELL either equal, or have a final path element of, "cmd" or
   "cmd.exe" case-insensitive. */
tokend = search_token + strlen (search_token) - 3;
if (((tokend == search_token
     || (tokend > search_token
         && (tokend[-1] == '/' || tokend[-1] == '\\)))
    && !strcasecmp (tokend, "cmd"))
    || ((tokend - 4 == search_token
        || (tokend - 4 > search_token
            && (tokend[-5] == '/' || tokend[-5] == '\\)))
        && !strcasecmp (tokend - 4, "cmd.exe")))
    {
        batch_mode_shell = 1;
        unixy_shell = 0;
        sprintf (sh_path, "%s", search_token);
        default_shell = xstrdup (w32ify (sh_path, 0));
        DB (DB_VERBOSE, (_("find_and_set_shell() setting default_shell = %s\n"),
            default_shell));
        sh_found = 1;
    }
else if (!no_default_sh_exe
        && (token == NULL || !strcmp (search_token, default_shell)))
    {
        /* no new information, path already set or known */
        sh_found = 1;
    }
else if (_access (search_token, 0) == 0)
    {
        /* search token path was found */
        sprintf (sh_path, "%s", search_token);
        default_shell = xstrdup (w32ify (sh_path, 0));
        DB (DB_VERBOSE, (_("find_and_set_shell() setting default_shell = %s\n"),
            default_shell));
        sh_found = 1;
    }
else

```

```

{
char *p;
struct variable *v = lookup_variable (STRING_SIZE_TUPLE ("PATH"));

/* Search Path for shell */
if (v && v->value)
{
char *ep;

p = v->value;
ep = strchr (p, PATH_SEPARATOR_CHAR);

while (ep && *ep)
{
*ep = '\0';

sprintf (sh_path, "%s/%s", p, search_token);
if (_access (sh_path, 0) == 0)
{
default_shell = xstrdup (w32ify (sh_path, 0));
sh_found = 1;
*ep = PATH_SEPARATOR_CHAR;

/* terminate loop */
p += strlen (p);
}
else
{
*ep = PATH_SEPARATOR_CHAR;
p = ++ep;
}

ep = strchr (p, PATH_SEPARATOR_CHAR);
}

/* be sure to check last element of Path */
if (p
&& *p)
{
sprintf (sh_path, "%s/%s", p, search_token);
if (_access (sh_path, 0) == 0)
{
default_shell = xstrdup (w32ify (sh_path, 0));
sh_found = 1;
}
}

if (sh_found)

```



```

        DB (DB_VERBOSE,
            (_("find_and_set_shell() path search set default_shell = %s\n"),
            default_shell));
    }
}

/* naive test */
if (!unixy_shell && sh_found
    && (strstr (default_shell, "sh") || strstr (default_shell, "SH")))
{
    unixy_shell = 1;
    batch_mode_shell = 0;
}

#ifdef BATCH_MODE_ONLY_SHELL
    batch_mode_shell = 1;
#endif

free (atoken);

return (sh_found);
}
#endif /* WINDOWS32 */

#ifdef __MSDOS__
static void
msdos_return_to_initial_directory (void)
{
    if (directory_before_chdir)
        chdir (directory_before_chdir);
}
#endif /* __MSDOS__ */

static void
reset_jobserver
(void)
{
    jobserver_clear ();
    free (jobserver_auth);
    jobserver_auth = NULL;
}

#ifdef _AMIGA
int
main (int argc, char **argv)
#else
int
main (int argc, char **argv, char **envp)

```

```

#endif
{
static char *stdin_nm = 0;
int makefile_status = MAKE_SUCCESS;
struct goaldep *read_files;
PATH_VAR (current_directory);
unsigned int restarts = 0;
unsigned int syncing = 0;
int argv_slots;
#ifdef WINDOWS32
const char *unix_path = NULL;
const char *windows32_path = NULL;

SetUnhandledExceptionFilter (handle_runtime_exceptions);

/* start off assuming we have no shell */
unixy_shell = 0;
no_default_sh_exe = 1;
#endif

output_init (&make_sync);

initialize_stopchar_map();

#ifdef SET_STACK_SIZE
/* Get rid of any avoidable limit on stack size. */
{
struct rlimit rlim;

/* Set the stack limit huge so that alloca does not fail. */
if (getrlimit (RLIMIT_STACK, &rlim) == 0
&& rlim.rlim_cur > 0 && rlim.rlim_cur
< rlim.rlim_max)
{
stack_limit = rlim;
rlim.rlim_cur = rlim.rlim_max;
setrlimit (RLIMIT_STACK, &rlim);
}
else
stack_limit.rlim_cur = 0;
}
#endif

/* Needed for OS/2 */
initialize_main (&argc, &argv);

#ifdef MAKE_MAINTAINER_MODE
/* In maintainer mode we always enable verification. */

```

```

verify_flag = 1;
#endif

#if defined (__MSDOS__) && !defined (_POSIX_SOURCE)
/* Request the most powerful version of 'system', to
   make up for the dumb default shell. */
__system_flags = (__system_redirect
                  | __system_use_shell
                  | __system_allow_multiple_cmds
                  | __system_allow_long_cmds
                  | __system_handle_null_commands
                  | __system_emulate_chdir);

#endif

/* Set up gettext/internationalization support. */
setlocale (LC_ALL, "");
/* The cast to void shuts up compiler warnings on systems that

   disable NLS. */
(void)bindtextdomain (PACKAGE, LOCALEDIR);
(void)textdomain (PACKAGE);

#ifdef POSIX
sigemptyset (&fatal_signal_set);
#define ADD_SIG(sig) sigaddset (&fatal_signal_set, sig)
#else
#ifdef HAVE_SIGSETMASK
fatal_signal_mask = 0;
#define ADD_SIG(sig) fatal_signal_mask |= sigmask (sig)
#else
#define ADD_SIG(sig) (void)sig
#endif
#endif

#define FATAL_SIG(sig) \
if (bsd_signal (sig, fatal_error_signal) == SIG_IGN) \
    bsd_signal (sig, SIG_IGN); \
else \
    ADD_SIG (sig);

#ifdef SIGHUP
FATAL_SIG (SIGHUP);
#endif
#ifdef SIGQUIT
FATAL_SIG (SIGQUIT);
#endif
FATAL_SIG (SIGINT);

```

```

FATAL_SIG (SIGTERM);

#ifdef __MSDOS__
/* Windows 9X delivers FP exceptions in child programs to their
   parent! We don't want Make to die
   when a child divides by zero,
   so we work around that lossage by catching SIGFPE. */
FATAL_SIG (SIGFPE);
#endif

#ifdef SIGDANGER
FATAL_SIG (SIGDANGER);
#endif

#ifdef SIGXCPU
FATAL_SIG (SIGXCPU);
#endif

#ifdef SIGXFSZ
FATAL_SIG (SIGXFSZ);
#endif

#undef FATAL_SIG

/* Do not ignore the child-death signal. This must be done before
   any children could possibly be created; otherwise, the wait
   functions won't work on systems with the SVR4 ECHILD brain
   damage, if our invoker is ignoring this signal. */

#ifdef HAVE_WAIT_NOHANG
# if defined SIGCHLD
(void) bsd_signal (SIGCHLD, SIG_DFL);
# endif
# if defined SIGCLD && SIGCLD != SIGCHLD
(void) bsd_signal (SIGCLD, SIG_DFL);
# endif
#endif

output_init (NULL);

/* Figure out where this program lives. */

if (argv[0] == 0)
    argv[0] = (char *)"";
if (argv[0][0] == '\0')
    program = "make";
else
    {
        program = strrchr (argv[0], '/');
    }
#ifdef __MSDOS__

```

```

|| defined(__EMX__)
    if (program == 0)
        program = strrchr (argv[0], "\\");
    else
        {
            /* Some weird environments might pass us argv[0] with
            both kinds of slashes; we must find the rightmost. */
            char *p = strrchr (argv[0], "\\");
            if (p && p > program)
                program = p;
        }
    if (program == 0 && argv[0][1] == ':')
        program = argv[0] + 1;
#endif
#ifdef WINDOWS32
    if (program == 0)
        {
            /* Extract program from full path */
            program = strrchr (argv[0], "\\");
            if (program)
                {
                    int argv0_len = strlen (program);
                    if (argv0_len > 4 && streq (&program[argv0_len - 4], ".exe"))
                        /* Remove .exe extension */
                        program[argv0_len - 4] = '\0';
                }
        }
#endif
#ifdef VMS
    set_program_name (argv[0]);
    program = program_name;
    {
        const char
*shell;
        char pwdbuf[256];
        char *pwd;
        shell = getenv ("SHELL");
        if (shell != NULL)
            vms_gnv_shell = 1;

        /* Need to know if CRTL set to report UNIX paths. Use getcwd as
        it works on all versions of VMS. */
        pwd = getcwd(pwdbuf, 256);
        if (pwd[0] == '/')
            vms_report_unix_paths = 1;

        vms_use_mcr_command = get_vms_env_flag ("GNV$MAKE_USE_MCR", 0);

```

```

vms_always_use_cmd_file = get_vms_env_flag ("GNV$MAKE_USE_CMD_FILE", 0);

/* Legacy behavior is on VMS is older behavior that needed to be
   changed to be compatible with standard make behavior.
   For now only completely disable when running under a Bash shell.
   TODO: Update VMS built in recipes and macros to not need this
   behavior, at which time the default may change. */
vms_legacy_behavior = get_vms_env_flag ("GNV$MAKE_OLD_VMS",

    !vms_gnv_shell);

/* VMS was changed to use a comma separator in the past, but that is
   incompatible with built in functions that expect space separated
   lists. Allow this to be selectively turned off. */
vms_comma_separator = get_vms_env_flag ("GNV$MAKE_COMMA",
    vms_legacy_behavior);

/* Some Posix shell syntax options are incompatible with VMS syntax.
   VMS requires double quotes for strings and escapes quotes
   differently. When this option is active, VMS will try
   to simulate Posix shell simulations instead of using
   VMS DCL behavior. */
vms_unix_simulation = get_vms_env_flag ("GNV$MAKE_SHELL_SIM",
    !vms_legacy_behavior);

}
if (need_vms_symbol () && !vms_use_mcr_command)
    create_foreign_command (program_name, argv[0]);
#else
if (program == 0)
    program = argv[0];
else
    ++program;
#endif
}

/* Set up to access user data (files). */
user_access ();

initialize_global_hash_tables ();

/* Figure out where we are. */

#ifdef WINDOWS32
if (getcwd_fs (current_directory, GET_PATH_MAX) == 0)
#else
if (getcwd (current_directory, GET_PATH_MAX) == 0)
#endif

```

```

{
#ifdef HAVE_GETCWD
    perror_with_name ("getcwd", "");
#else
    OS (error, NILF, "getwd: %s", current_directory);
#endif
    current_directory[0] = '\0';
    directory_before_chdir = 0;
}
else
    directory_before_chdir = xstrdup (current_directory);

#ifdef __MSDOS__
    /* Make sure we will return to the initial directory, come what may. */
    atexit (msdos_return_to_initial_directory);
#endif

    /* Initialize the special variables. */
    define_variable_cname (".VARIABLES", "", o_default, 0)->special = 1;
    /* define_variable_cname (".TARGETS", "", o_default, 0)->special = 1; */
    define_variable_cname
    (".RECIPEPREFIX", "", o_default, 0)->special = 1;
    define_variable_cname (".SHELLFLAGS", "-c", o_default, 0);
    define_variable_cname (".LOADED", "", o_default, 0);

    /* Set up .FEATURES
    Use a separate variable because define_variable_cname() is a macro and
    some compilers (MSVC) don't like conditionals in macros. */
    {
        const char *features = "target-specific order-only second-expansion"
            " else-if shortest-stem undefine oneshell"
#ifdef NO_ARCHIVES
            " archives"
#endif
#ifdef MAKE_JOBSEVER
            " jobserver"
#endif
#ifdef NO_OUTPUT_SYNC
            " output-sync"
#endif
#ifdef MAKE_SYMLINKS
            " check-symlink"
#endif
#ifdef HAVE_GUILLE
            " guile"
#endif
#ifdef MAKE_LOAD
            " load"

```

```

#endif
        ;

        define_variable_cname (".FEATURES", features,
o_default, 0);
    }

    /* Configure GNU Guile support */
    guile_gmake_setup (NILF);

    /* Read in variables from the environment. It is important that this be
done before $(MAKE) is figured out so its definitions will not be
from the environment. */

#ifdef _AMIGA
{
    unsigned int i;

    for (i = 0; envp[i] != 0; ++i)
    {
        struct variable *v;
        const char *ep = envp[i];
        /* By default, export all variables culled from the environment. */
        enum variable_export export = v_export;
        unsigned int len;

        while (! STOP_SET (*ep, MAP_EQUALS))
            ++ep;

        /* If there's no equals sign it's a malformed environment. Ignore. */
        if (*ep == '\0')
            continue;
    }
}

#ifdef WINDOWS32
    if (!unix_path && strcmp (envp[i], "PATH=", 5))
        unix_path = ep+1;
    else if (!strcmp (envp[i], "Path=", 5))
    {
        if (!windows32_path)
            windows32_path
= ep+1;
        /* PATH gets defined after the loop exits. */
        continue;
    }
}
#endif

    /* Length of the variable name, and skip the '='. */
    len = ep++ - envp[i];

```



```

/* If this is MAKE_RESTARTS, check to see if the "already printed
the enter statement" flag is set. */
if (len == 13 && strcmp (envp[i], "MAKE_RESTARTS", 13))
{
    if (*ep == '-')
    {
        OUTPUT_TRACED ();
        ++ep;
    }
    restarts = (unsigned int) atoi (ep);
    export = v_noexport;
}

v = define_variable (envp[i], len, ep, o_env, 1);

/* POSIX says the value of SHELL set in the makefile won't change the
value of SHELL given to subprocesses. */
if (strcmp (v->name, "SHELL"))
{
#ifdef __MSDOS__
    export = v_noexport;
#endif
    shell_var.name = xstrdup ("SHELL");
    shell_var.length = 5;
    shell_var.value = xstrdup (ep);
}

v->export = export;
}
}
#ifdef WINDOWS32
/* If we didn't find a correctly spelled PATH we define PATH as
* either the first misspelled value or an empty string
*/
if (!unix_path)
    define_variable_name ("PATH", windows32_path ? windows32_path : "",
        o_env, 1)->export = v_export;
#endif
#else /* For Amiga, read the ENV: device, ignoring all dirs */
{
    BPTR env, file, old;
    char buffer[1024];
    int len;
    __aligned struct FileInfoBlock fib;

    env = Lock ("ENV:", ACCESS_READ);
    if (env)

```

```

    {
        old = CurrentDir (DupLock (env));
        Examine (env, &fib);

        while (ExNext (env, &fib))
        {
            if (fib.fib_DirEntryType < 0) /* File */
            {
                /* Define an empty variable.
It will be filled in
        variable_lookup(). Makes startup quite a bit faster. */
                define_variable (fib.fib_FileName,
                                strlen (fib.fib_FileName),
                                "", o_env, 1)->export = v_export;
            }
        }
        UnLock (env);
        UnLock (CurrentDir (old));
    }
}
#endif

/* Decode the switches. */
decode_env_switches (STRING_SIZE_TUPLE ("GNUMAKEFLAGS"));

/* Clear GNUMAKEFLAGS to avoid duplication. */
define_variable_cname ("GNUMAKEFLAGS", "", o_env, 0);

decode_env_switches (STRING_SIZE_TUPLE ("MAKEFLAGS"));

#if 0
/* People write things like:
    MFLAGS="CC=gcc -pipe" "CFLAGS=-g"
and we set the -p, -i and -e switches. Doesn't seem quite right. */
decode_env_switches (STRING_SIZE_TUPLE ("MFLAGS"));
#endif

/* In output sync mode we need to sync any output generated by reading the
makefiles, such as in $(info ...) or stderr from $(shell ...) etc. */

syncing = make_sync.syncout = (output_sync == OUTPUT_SYNC_LINE
                                || output_sync == OUTPUT_SYNC_TARGET);
OUTPUT_SET (&make_sync);

/* Remember the job slots set through the environment vs. command line. */
{
    int env_slots = arg_job_slots;

```

```

arg_job_slots = INVALID_JOB_SLOTS;

decode_switches (argc, (const char **)argv, 0);
argv_slots = arg_job_slots;

if (arg_job_slots == INVALID_JOB_SLOTS)
    arg_job_slots = env_slots;
}

/* Set a variable specifying whether stdout/stdin is hooked to a TTY. */
#ifdef HAVE_ISATTY
if (isatty (fileno (stdout)))
    if (! lookup_variable (STRING_SIZE_TUPLE ("MAKE_TERMOUT")))
        {
            const char *tty = TTYNAME (fileno (stdout));
            define_variable_cname ("MAKE_TERMOUT", tty ? tty : DEFAULT_TTYNAME,
                o_default, 0)->export = v_export;
        }
if (isatty
    (fileno (stderr)))
    if (! lookup_variable (STRING_SIZE_TUPLE ("MAKE_TERMERR")))
        {
            const char *tty = TTYNAME (fileno (stderr));
            define_variable_cname ("MAKE_TERMERR", tty ? tty : DEFAULT_TTYNAME,
                o_default, 0)->export = v_export;
        }
}
#endif

/* Reset in case the switches changed our minds. */
syncing = (output_sync == OUTPUT_SYNC_LINE
    || output_sync == OUTPUT_SYNC_TARGET);

if (make_sync.syncout && ! syncing)
    output_close (&make_sync);

make_sync.syncout = syncing;
OUTPUT_SET (&make_sync);

/* Figure out the level of recursion. */
{
    struct variable *v = lookup_variable (STRING_SIZE_TUPLE (MAKELEVEL_NAME));
    if (v && v->value[0] != '\0' && v->value[0] != '-')
        makelevel = (unsigned int) atoi (v->value);
    else
        makelevel = 0;
}

#ifdef WINDOWS32

```

```

if (suspend_flag)
{
    fprintf (stderr, "%s (pid = %ld)\n", argv[0], GetCurrentProcessId ());
    fprintf (stderr, _("%s is suspending for 30 seconds..."), argv[0]);
    Sleep (30 * 1000);
    fprintf (stderr, _("done sleep(30). Continuing.\n"));
}
#endif

/* Set always_make_flag if -B was given and we've not restarted already. */
always_make_flag = always_make_set && (restarts == 0);

/* Print version information, and exit. */
if (print_version_flag)
{
    print_version ();
    die (MAKE_SUCCESS);
}

if (ISDB (DB_BASIC))
    print_version ();

#ifdef VMS
/* Set the "MAKE_COMMAND" variable to the name we were invoked with.
   (If it is a relative pathname with a slash, prepend our directory name
   so the result will run the same program regardless of the current dir.
   If it is a name with no slash, we can only hope that PATH did not
   find it in the current directory.) */
#endif
#ifdef WINDOWS32
/*
 * Convert from backslashes to forward slashes for
 * programs like sh which don't like them. Shouldn't
 * matter if the path is one way or the other for
 * CreateProcess().
 */
if (strpbrk (argv[0], ":\\")) || strstr (argv[0], "..")
    || strneq (argv[0], "//", 2)
    argv[0] = xstrdup (w32ify (argv[0], 1));
#else /* WINDOWS32 */
#ifdef __MSDOS__ || defined (__EMX__)
if (strchr (argv[0], '\\'))
{
    char *p;

    argv[0] = xstrdup (argv[0]);
    for (p = argv[0]; *p; p++)
        if (*p == '\\')
            *p = '/';
}
}

```

```

}
/* If argv[0] is not in absolute form, prepend the current
   directory. This can happen when Make is invoked by another DJGPP
   program that uses a non-absolute name. */
if (current_directory[0] != '\0'
    && argv[0] != 0
    && (argv[0][0] != '/' && (argv[0][0] == '\0' || argv[0][1] != ':')))
# ifdef __EMX__
    /* do not prepend cwd if argv[0] contains no '/', e.g. "make" */
    && (strchr (argv[0], '/') != 0 || strchr (argv[0], "\\") != 0)
# endif
    )
    argv[0] = xstrdup (concat
(3, current_directory, "/", argv[0]));
# else /* !__MSDOS__ */
if (current_directory[0] != '\0'
    && argv[0] != 0 && argv[0][0] != '/' && strchr (argv[0], '/') != 0
# ifdef HAVE_DOS_PATHS
    && (argv[0][0] != '\\' && (!argv[0][0] || argv[0][1] != ':'))
    && strchr (argv[0], "\\") != 0
# endif
    )
    argv[0] = xstrdup (concat (3, current_directory, "/", argv[0]));
# endif /* !__MSDOS__ */
# endif /* WINDOWS32 */
# endif

/* We may move, but until we do, here we are. */
starting_directory = current_directory;

/* Set up the job_slots value and the jobserver. This can't be usefully set
   in the makefile, and we want to verify the authorization is valid before
   make has a chance to start using it for something else. */

if (jobserver_auth)
{
    if (argv_slots == INVALID_JOB_SLOTS)
    {
        if (jobserver_parse_auth (jobserver_auth))
        {
            /* Success! Use the jobserver. */
            job_slots
= 0;
            goto job_setup_complete;
        }

        O (error, NILF, _("warning: jobserver unavailable: using -j1. Add '+' to parent make rule."));
        arg_job_slots = 1;

```

```

    }

    /* The user provided a -j setting on the command line: use it. */
    else if (!restarts)
        /* If restarts is >0 we already printed this message. */
        O (error, NILF,
            _("warning: -jN forced in submake: disabling jobserver mode."));

    /* We failed to use our parent's jobserver. */
    reset_jobserver ();
    job_slots = (unsigned int)arg_job_slots;
}
else if (arg_job_slots == INVALID_JOB_SLOTS)
    /* The default is one job at a time. */
    job_slots = 1;
else
    /* Use whatever was provided. */
    job_slots = (unsigned int)arg_job_slots;

job_setup_complete:

/* The extra indirection through $(MAKE_COMMAND) is done
   for hysterical raisins. */

#ifdef VMS
if (vms_use_mcr_command)

    define_variable_cname ("MAKE_COMMAND", vms_command (argv[0]), o_default, 0);
else
    define_variable_cname ("MAKE_COMMAND", program, o_default, 0);
#else
define_variable_cname ("MAKE_COMMAND", argv[0], o_default, 0);
#endif
define_variable_cname ("MAKE", "$(MAKE_COMMAND)", o_default, 1);

if (command_variables != 0)
{
    struct command_variable *cv;
    struct variable *v;
    unsigned int len = 0;
    char *value, *p;

    /* Figure out how much space will be taken up by the command-line
       variable definitions. */
    for (cv = command_variables; cv != 0; cv = cv->next)
    {
        v = cv->variable;
        len += 2 * strlen (v->name);
    }
}

```

```

    if (! v->recursive)
        ++len;
    ++len;
    len += 2 * strlen (v->value);
    ++len;
}

/* Now allocate a buffer big enough and fill it. */
p = value = alloca (len);
for (cv = command_variables; cv != 0; cv = cv->next)
{
    v = cv->variable;
    p = quote_for_env (p, v->name);
    if (! v->recursive)
        *p++ = ':';
    *p++ = '=';
    p = quote_for_env (p, v->value);
    *p++ = ' ';
}
p[-1] = '\0';      /* Kill the final space and terminate. */

/* Define an unchangeable variable with a name that no POSIX.2
   makefile could validly use for its own variable. */
define_variable_cname ("-*command-variables-*-", value, o_automatic, 0);

/* Define the variable; this will not override any user definition.
   Normally a reference to this variable is written into the value of
   MAKEFLAGS, allowing the user to override this value to affect the
   exported value of MAKEFLAGS. In POSIX-pedantic mode, we cannot
   allow the user's setting of MAKEOVERRIDES to affect MAKEFLAGS, so
   a reference to this hidden variable is written instead. */
define_variable_cname
("MAKEOVERRIDES", "${-*command-variables-*-}",
    o_env, 1);
#ifdef VMS
    vms_export_dcl_symbol ("MAKEOVERRIDES", "${-*command-variables-*-}");
#endif
}

/* If there were -C flags, move ourselves about. */
if (directories != 0)
{
    unsigned int i;
    for (i = 0; directories->list[i] != 0; ++i)
    {
        const char *dir = directories->list[i];
#ifdef WINDOWS32
        /* WINDOWS32 chdir() doesn't work if the directory has a trailing '/'

```

```

    But allow -C/ just in case someone wants that. */
    {
    char *p = (char *)dir + strlen (dir) - 1;
    while (p > dir && (p[0] == '/' || p[0] == '\\'))
        --p;
    p[1] = '\0';
    }
#endif
    if (chdir (dir) < 0)
        pfatal_with_name (dir);
    }
}

#ifdef WINDOWS32
/*
 * THIS BLOCK OF CODE MUST COME AFTER chdir() CALL ABOVE IN ORDER
 * TO NOT CONFUSE THE
DEPENDENCY CHECKING CODE IN implicit.c.
 *
 * The functions in dir.c can incorrectly cache information for "."
 * before we have changed directory and this can cause file
 * lookups to fail because the current directory (.) was pointing
 * at the wrong place when it was first evaluated.
 */
no_default_sh_exe = !find_and_set_default_shell (NULL);
#endif /* WINDOWS32 */

/* Except under -s, always do -w in sub-makes and under -C. */
if (!silent_flag && (directories != 0 || makelevel > 0))
    print_directory_flag = 1;

/* Let the user disable that with --no-print-directory. */
if (inhibit_print_directory_flag)
    print_directory_flag = 0;

/* If -R was given, set -r too (doesn't make sense otherwise!) */
if (no_builtin_variables_flag)
    no_builtin_rules_flag = 1;

/* Construct the list of include directories to search. */

construct_include_path (include_directories == 0
                       ? 0 : include_directories->list);

/* If we chdir'ed, figure out where we are now. */
if (directories)
    {
#ifdef WINDOWS32

```



```

    if (getcwd_fs (current_directory, GET_PATH_MAX) == 0)
#else
    if (getcwd (current_directory, GET_PATH_MAX) == 0)
#endif
    {
#ifdef HAVE_GETCWD
        perror_with_name ("getcwd", "");
#else
        OS (error, NILF, "getwd: %s", current_directory);
#endif
        starting_directory = 0;
    }
    else
        starting_directory = current_directory;
}

define_variable_cname ("CURDIR", current_directory, o_file, 0);

/* Read any stdin makefiles into temporary files. */

if (makefiles != 0)
{
    unsigned int i;
    for (i = 0; i < makefiles->idx; ++i)
        if (makefiles->list[i][0] == '-' && makefiles->list[i][1] == '\0')
        {
            /* This makefile is standard input. Since we may re-exec
               and thus re-read the makefiles, we read standard input
               into a temporary
file and read from that. */
            FILE *outfile;
            char *template;
            const char *tmpdir;

            if (stdin_nm)
                O (fatal, NILF,
                 _("Makefile from standard input specified twice.));

#ifdef VMS
# define DEFAULT_TMPDIR    "/sys$scratch/"
#else
# ifdef P_tmpdir
# define DEFAULT_TMPDIR    P_tmpdir
# else
# define DEFAULT_TMPDIR    "/tmp"
# endif
#endif
#define DEFAULT_TMPFILE    "GmXXXXXX"

```

```

        if (((tmpdir = getenv ("TMPDIR")) == NULL || *tmpdir == '\0')
#if defined (__MSDOS__) || defined (WINDOWS32) || defined (__EMX__)
        /* These are also used commonly on these platforms. */
        && ((tmpdir = getenv ("TEMP")) == NULL || *tmpdir == '\0')
        && ((tmpdir = getenv ("TMP")) == NULL || *tmpdir == '\0')
#endif
        )
        tmpdir = DEFAULT_TMPDIR;

        template = alloca (strlen (tmpdir) + CSTRLEN (DEFAULT_TMPFILE) + 2);

        strcpy (template, tmpdir);

#ifdef HAVE_DOS_PATHS
        if (strchr ("\\", template[strlen (template) - 1]) == NULL)
            strcat (template, "/");
#else
#ifdef VMS
            if (template[strlen (template) - 1] != '/')
                strcat (template, "/");
#endif
#endif /* !VMS */
#endif /* !HAVE_DOS_PATHS */

        strcat (template, DEFAULT_TMPFILE);
        outfile = output_tmpfile (&stdin_nm, template);
        if (outfile == 0)
            pfatal_with_name (_("fopen (temporary file)"));
        while (!feof (stdin) && ! ferror (stdin))
        {
            char buf[2048];
            unsigned int n = fread (buf, 1, sizeof (buf), stdin);
            if (n > 0 && fwrite (buf, 1, n, outfile) != n)
                pfatal_with_name (_("fwrite (temporary file)"));
        }
        fclose (outfile);

        /* Replace the name that read_all_makefiles will
        see with the name of
the temporary file. */
        makefiles->list[i] = strcache_add (stdin_nm);

        /* Make sure the temporary file will not be remade. */
        {
            struct file *f = enter_file (strcache_add (stdin_nm));
            f->updated = 1;
            f->update_status = us_success;
            f->command_state = cs_finished;
        }

```

```

    /* Can't be intermediate, or it'll be removed too early for
       make re-exec. */
    f->intermediate = 0;
    f->dontcare = 0;
  }
}
}

#ifndef __EMX__ /* Don't use a SIGCHLD handler for OS/2 */
#if !defined(HAVE_WAIT_NOHANG) || defined(MAKE_JOBSEVER)
/* Set up to handle children dying. This must be done before
   reading in the makefiles so that 'shell' function calls will work.

   If we don't have a hanging wait we have to fall back to old, broken
   functionality here and rely on the signal handler and counting
   children.

   If we're using the jobs pipe we need a signal handler so that SIGCHLD is
   not ignored; we need it to interrupt the read(2) of the jobserver pipe if
   we're waiting for a token.

   If none of these are true, we don't need a signal handler at all. */
{
# if defined SIGCHLD
  bsd_signal (SIGCHLD, child_handler);
# endif
# if defined SIGCLD && SIGCLD != SIGCHLD
  bsd_signal (SIGCLD, child_handler);
# endif
}

#ifdef HAVE_PSELECT
/* If we have pselect() then we need to block SIGCHLD so it's deferred. */
{
  sigset_t block;
  sigemptyset (&block);
  sigaddset (&block, SIGCHLD);
  if (sigprocmask (SIG_SETMASK, &block, NULL) < 0)
    pfatal_with_name ("sigprocmask(SIG_SETMASK, SIGCHLD)");
}
#endif

#endif
#endif

/* Let the user send us SIGUSR1 to toggle the -d flag during the run. */
#ifdef SIGUSR1
  bsd_signal (SIGUSR1, debug_signal_handler);

```

```

#endif

/* Define the initial list of suffixes for old-style rules. */
set_default_suffixes ();

/* Define the file rules for the built-in suffix rules. These will later
   be converted into pattern rules. We used to do this in
   install_default_implicit_rules, but since that happens after reading
   makefiles, it results in the built-in pattern rules taking precedence
   over makefile-specified suffix rules, which is wrong. */
install_default_suffix_rules ();

/* Define some internal and special variables. */
define_automatic_variables ();

/* Set up the MAKEFLAGS and MFLAGS variables for makefiles to see.
   Initialize it to be exported but allow the makefile to reset it. */
define_makeflags (0, 0)->export = v_export;

/* Define the default variables. */
define_default_variables ();

default_file = enter_file (strcache_add (".DEFAULT"));

default_goal_var = define_variable_cname (".DEFAULT_GOAL", "", o_file, 0);

/* Evaluate all strings provided with --eval.
   Also set up the $(*-eval-flags-*)
   variable. */

if (eval_strings)
  {
  char *p, *value;
  unsigned int i;
  unsigned int len = (CSTRLEN ("--eval=") + 1) * eval_strings->idx;

  for (i = 0; i < eval_strings->idx; ++i)
    {
    p = xstrdup (eval_strings->list[i]);
    len += 2 * strlen (p);
    eval_buffer (p, NULL);
    free (p);
    }

  p = value = alloca (len);
  for (i = 0; i < eval_strings->idx; ++i)
    {
    strcpy (p, "--eval=");

```

```

    p += CSTRLEN ("--eval=");
    p = quote_for_env (p, eval_strings->list[i]);
    *(p++) = ' ';
}
p[-1] = '\0';

define_variable_cname ("-*-eval-flags-*-", value, o_automatic, 0);
}

/* Read all the makefiles. */

read_files = read_all_makefiles (makefiles == 0 ? 0 : makefiles->list);

#ifdef WINDOWS32
/* look one last time after reading all Makefiles */
if (no_default_sh_exe)
    no_default_sh_exe = !find_and_set_default_shell
(NULL);
#endif /* WINDOWS32 */

#ifdef __MSDOS__ || defined (__EMX__) || defined (VMS)
/* We need to know what kind of shell we will be using. */
{
    extern int _is_unixy_shell (const char *_path);
    struct variable *shv = lookup_variable (STRING_SIZE_TUPLE ("SHELL"));
    extern int unixy_shell;
    extern const char *default_shell;

    if (shv && *shv->value)
    {
        char *shell_path = recursively_expand (shv);

        if (shell_path && _is_unixy_shell (shell_path))
            unixy_shell = 1;
        else
            unixy_shell = 0;
        if (shell_path)
            default_shell = shell_path;
    }
}
#endif /* __MSDOS__ || __EMX__ */

{
    int old_builtin_rules_flag = no_builtin_rules_flag;
    int old_builtin_variables_flag = no_builtin_variables_flag;

    /* Decode switches again, for variables set by the makefile. */
    decode_env_switches (STRING_SIZE_TUPLE ("GNUMAKEFLAGS"));

```

```

/* Clear GNUMAKEFLAGS
to avoid duplication. */
define_variable_cname ("GNUMAKEFLAGS", "", o_override, 0);

decode_env_switches (STRING_SIZE_TUPLE ("MAKEFLAGS"));
#if 0
decode_env_switches (STRING_SIZE_TUPLE ("MFLAGS"));
#endif

/* Reset in case the switches changed our mind. */
syncing = (output_sync == OUTPUT_SYNC_LINE
|| output_sync == OUTPUT_SYNC_TARGET);

if (make_sync.syncout && ! syncing)
output_close (&make_sync);

make_sync.syncout = syncing;
OUTPUT_SET (&make_sync);

/* If we've disabled builtin rules, get rid of them. */
if (no_builtin_rules_flag && ! old_builtin_rules_flag)
{
if (suffix_file->builtin)
{
free_dep_chain (suffix_file->deps);
suffix_file->deps = 0;
}
define_variable_cname ("SUFFIXES", "", o_default, 0);
}

/* If we've disabled builtin variables, get rid of them. */
if (no_builtin_variables_flag && ! old_builtin_variables_flag)
undefine_default_variables ();
}

#if defined (__MSDOS__) || defined (__EMX__) || defined (VMS)
if (arg_job_slots != 1
# ifdef __EMX__
&& _osmode != OS2_MODE /* turn off -j if we are in DOS mode */
# endif
)
{
O (error, NILF,
_("Parallel jobs (-j) are not supported on this platform.));
O (error, NILF, _("Resetting to single job (-j1) mode.));
arg_job_slots = job_slots = 1;
}
}

```

```

#endif

/* If we have >1 slot at this point, then we're a top-level make.
   Set up the jobserver.

   Every make assumes that it always has one job it can run. For the
   submakes it's the token they were given by their parent. For the top
   make, we just subtract one from the number the user wants. */

if (job_slots > 1 && jobserver_setup (job_slots - 1))
{
    /* Fill in the jobserver_auth for our children. */
    jobserver_auth = jobserver_get_auth ();

    if (jobserver_auth)
    {
        /* We're using the jobserver so set job_slots to 0. */
        master_job_slots = job_slots;
        job_slots = 0;
    }
}

/* If we're not using parallel jobs, then we don't need output sync.
   This is so people can enable output sync in GNUMAKEFLAGS or similar, but
   not have it take effect unless parallel builds are enabled. */
if (syncing && job_slots == 1)
{
    OUTPUT_UNSET ();
    output_close (&make_sync);
    syncing = 0;
    output_sync = OUTPUT_SYNC_NONE;
}

#ifndef MAKE_SYMLINKS
if (check_symlink_flag)
{
    O (error, NILF, _("Symbolic links not supported: disabling -L."));
    check_symlink_flag = 0;
}
#endif

/* Set up MAKEFLAGS and MFLAGS again, so they will be right. */

define_makeflags (1, 0);

/* Make each 'struct goaldep' point at the 'struct file' for the file
   depended on. Also do magic for special targets. */

```

```

snap_deps ();

/* Convert old-style
suffix rules to pattern rules. It is important to
do this before installing the built-in pattern rules below, so that
makefile-specified suffix rules take precedence over built-in pattern
rules. */

convert_to_pattern ();

/* Install the default implicit pattern rules.
This used to be done before reading the makefiles.
But in that case, built-in pattern rules were in the chain
before user-defined ones, so they matched first. */

install_default_implicit_rules ();

/* Compute implicit rule limits. */

count_implicit_rule_limits ();

/* Construct the listings of directories in VPATH lists. */

build_vpath_lists ();

/* Mark files given with -o flags as very old and as having been updated
already, and files given with -W flags as brand new (time-stamp as far
as possible into the future). If restarts is set we'll do -W later. */

if (old_files != 0)
{
const char **p;
for (p
= old_files->list; *p != 0; ++p)
{
struct file *f = enter_file (*p);
f->last_mtime = f->mtime_before_update = OLD_MTIME;
f->updated = 1;
f->update_status = us_success;
f->command_state = cs_finished;
}
}

if (!restarts && new_files != 0)
{
const char **p;
for (p = new_files->list; *p != 0; ++p)
{

```



```

    struct file *f = enter_file (*p);
    f->last_mtime = f->mtime_before_update = NEW_MTIME;
}
}

/* Initialize the remote job module. */
remote_setup ();

/* Dump any output we've collected. */

OUTPUT_UNSET ();
output_close (&make_sync);

if (read_files != 0)
{
    /* Update any makefiles if necessary. */

    FILE_TIMESTAMP *makefile_mtimes = 0;
    unsigned int mm_idx = 0;
    char **argv = NULL;
    const char **nargv;
    int nargc;
    enum update_status status;

    DB (DB_BASIC, (_("Updating
makefiles....\n")));

    /* Remove any makefiles we don't want to try to update.
    Also record the current modtimes so we can compare them later. */
    {
        register struct goaldep *d, *last;
        last = 0;
        d = read_files;
        while (d != 0)
        {
            struct file *f = d->file;
            if (f->double_colon)
                for (f = f->double_colon; f != NULL; f = f->prev)
                {
                    if (f->deps == 0 && f->cmds != 0)
                    {
                        /* This makefile is a :: target with commands, but
                        no dependencies. So, it will always be remade.
                        This might well cause an infinite loop, so don't
                        try to remake it. (This will only happen if
                        your makefiles are written exceptionally
                        stupidly; but if you work for Athena, that's how
                        you write

```

your makefiles.) \*/

```
    DB (DB_VERBOSE,
        _("Makefile '%s' might loop; not remaking it.\n"),
        f->name));

    if (last == 0)
        read_files = d->next;
    else
        last->next = d->next;

    /* Free the storage. */
    free_goaldep (d);

    d = last == 0 ? read_files : last->next;

    break;
}
}

if (f == NULL || !f->double_colon)
{
    makefile_mtimes = xrealloc (makefile_mtimes,
                                (mm_idx+1)
                                * sizeof (FILE_TIMESTAMP));
    makefile_mtimes[mm_idx++] = file_mtime_no_search (d->file);
    last = d;
    d = d->next;
}
}
}

/* Set up 'MAKEFLAGS' specially while remaking makefiles. */
define_makeflags (1, 1);

{
    int orig_db_level = db_level;

    if (! ISDB (DB_MAKEFILES))
        db_level = DB_NONE;

    rebuilding_makefiles = 1;
    status = update_goal_chain (read_files);
    rebuilding_makefiles = 0;

    db_level = orig_db_level;
}
```

```

switch (status)
{
case us_question:
/* The only way this can happen is if the user specified -q and asked
for one of the makefiles to be remade as a target on the command
line. Since we're not actually updating anything with -q we can
treat this as "did nothing". */

case us_none:
/* Did nothing. */
break;

case us_failed:
/* Failed to update. Figure out if we care. */
{
/* Nonzero if any makefile was successfully remade. */

int any_remade = 0;
/* Nonzero if any makefile we care about failed
in updating or could not be found at all. */
int any_failed = 0;
unsigned int i;
struct goaldep *d;

for (i = 0, d = read_files; d != 0; ++i, d = d->next)
{
if (d->file->updated)
{
/* This makefile was updated. */
if (d->file->update_status == us_success)
{
/* It was successfully updated. */
any_remade |= (file_mtime_no_search (d->file)
!= makefile_mtimes[i]);
}
else if (!(d->flags & RM_DONTCARE))
{
FILE_TIMESTAMP mtime;
/* The update failed and this makefile was not
from the MAKEFILES variable,
so we care. */
OS (error, NILF, _("Failed to remake makefile '%s'."),
d->file->name);
mtime = file_mtime_no_search (d->file);
any_remade |= (mtime != NONEXISTENT_MTIME
&& mtime != makefile_mtimes[i]);
makefile_status = MAKE_FAILURE;
}
}
}
}

```

```

    }
else
    /* This makefile was not found at all. */
    if (!(d->flags & RM_DONTCARE))
    {
        const char *dnm = dep_name (d);
        size_t l = strlen (dnm);

        /* This is a makefile we care about. See how much. */
        if (d->flags & RM_INCLUDED)
            /* An included makefile. We don't need to die, but we
            do want to complain. */

error (NILF, l,
        _("Included makefile '%s' was not found."), dnm);
    else
    {
        /* A normal makefile. We must die later. */
        error (NILF, l,
            _("Makefile '%s' was not found"), dnm);
        any_failed = 1;
    }
}

/* Reset this to empty so we get the right error message below. */
read_files = 0;

if (any_remade)
    goto re_exec;
if (any_failed)
    die (MAKE_FAILURE);
break;
}

case us_success:
re_exec:
    /* Updated successfully. Re-exec ourselves. */

remove_intermediates (0);

if (print_data_base_flag)
    print_data_base ();

clean_jobserver (0);

if (makefiles
!= 0)
    {

```

```

/* These names might have changed. */
int i, j = 0;
for (i = 1; i < argc; ++i)
    if (strneq (argv[i], "-f", 2)) /* XXX */
        {
            if (argv[i][2] == '\0')
                /* This cast is OK since we never modify argv. */
                argv[++i] = (char *) makefiles->list[j];
            else
                argv[i] = xstrdup (concat (2, "-f", makefiles->list[j]));
            ++j;
        }
}

/* Add -o option for the stdin temporary file, if necessary. */
nargc = argc;
if (stdin_nm)
    {
        void *m = xmalloc ((nargc + 2) * sizeof (char *));
        aargv = m;
        memcpy (aargv, argv, argc * sizeof (char *));
        aargv[nargc++] = xstrdup (concat (2, "-o", stdin_nm));
        aargv[nargc] = 0;
        nargv
= m;
    }
else
    nargv = (const char**)argv;

if (directories != 0 && directories->idx > 0)
    {
        int bad = 1;
        if (directory_before_chdir != 0)
            {
                if (chdir (directory_before_chdir) < 0)
                    perror_with_name ("chdir", "");
                else
                    bad = 0;
            }
        if (bad)
            O (fatal, NILF,
                _("Couldn't change back to original directory."));
    }

++restarts;

if (ISDB (DB_BASIC))
    {

```

```

    const char **p;
    printf (_("Re-executing[%u]:"), restarts);
    for (p = nargs; *p != 0; ++p)
        printf (" %s", *p);
    putchar ('\n');
    fflush (stdout);
}

#ifdef _AMIGA
{
    char **p;
    for (p = environ; *p != 0; ++p)
    {
        if (strneq (*p, MAKELEVEL_NAME "=", MAKELEVEL_LENGTH+1))
        {
            *p = alloca (40);
            sprintf (*p, "%s=%u", MAKELEVEL_NAME, makelevel);
#ifdef VMS
            vms_putenv_symbol (*p);
#endif
        }
        else if (strneq (*p, "MAKE_RESTARTS=", CSTRLEN ("MAKE_RESTARTS=")))
        {
            *p = alloca (40);
            sprintf (*p, "MAKE_RESTARTS=%s%u",
                OUTPUT_IS_TRACED () ? "-" : "", restarts);
            restarts = 0;
        }
    }
}
#else /* AMIGA */
{
    char buffer[256];

    sprintf (buffer, "%u", makelevel);
    SetVar (MAKELEVEL_NAME, buffer, -1, GVF_GLOBAL_ONLY);

    sprintf (buffer, "%s%u", OUTPUT_IS_TRACED () ? "-" : "", restarts);
    SetVar ("MAKE_RESTARTS", buffer, -1, GVF_GLOBAL_ONLY);
    restarts = 0;
}
#endif

/* If we didn't set the restarts variable yet, add it. */
if (restarts)
{
    char *b = alloca (40);
    sprintf (b, "MAKE_RESTARTS=%s%u",

```

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        OUTPUT_IS_TRACED () ? "-" : "", restarts);
    putenv (b);
}

fflush (stdout);
fflush (stderr);

#ifdef _AMIGA
    exec_command (nargv);
    exit (0);
#elif defined (__EMX__)
    {
        /* It is not possible to use execve() here because this
           would cause the parent process to be terminated with
           exit code 0 before the child process has been terminated.
           Therefore it may be the best solution simply to spawn the
           child process including all file handles and to wait for its
           termination. */
        int pid;
        int r;
        pid = child_execute_job (NULL,
1, nargv, environ);

        /* is this loop really necessary? */
        do {
            pid = wait (&r);
        } while (pid <= 0);
        /* use the exit code of the child process */
        exit (WIFEXITED(r) ? WEXITSTATUS(r) : EXIT_FAILURE);
    }
#else
#ifdef SET_STACK_SIZE
    /* Reset limits, if necessary. */
    if (stack_limit.rlim_cur)
        setrlimit (RLIMIT_STACK, &stack_limit);
#endif
    exec_command ((char **)nargv, environ);
#endif
    free (argv);
    break;
}

/* Free the makefile mtimes. */
free (makefile_mtimes);
}

/* Set up 'MAKEFLAGS' again for the normal targets. */
define_makeflags (1, 0);

```

```

/* Set always_make_flag if -B was given. */
always_make_flag = always_make_set;

/* If restarts is set we haven't set up -W files yet, so do that now. */
if (restarts && new_files != 0)
{
    const char **p;
    for (p
= new_files->list; *p != 0; ++p)
    {
        struct file *f = enter_file (*p);
        f->last_mtime = f->mtime_before_update = NEW_MTIME;
    }
}

/* If there is a temp file from reading a makefile from stdin, get rid of
it now. */
if (stdin_nm && unlink (stdin_nm) < 0 && errno != ENOENT)
    perror_with_name (_("unlink (temporary file): "), stdin_nm);

/* If there were no command-line goals, use the default. */
if (goals == 0)
{
    char *p;

    if (default_goal_var->recursive)
        p = variable_expand (default_goal_var->value);
    else
    {
        p = variable_buffer_output (variable_buffer, default_goal_var->value,
            strlen (default_goal_var->value));
        *p = '\0';
        p = variable_buffer;
    }

    if (*p != '\0')
    {
        struct file *f = lookup_file (p);

        /* If .DEFAULT_GOAL is a non-existent target, enter it into the
table and let the standard logic sort it out. */
        if (f == 0)
        {
            struct nameseq *ns;

            ns = PARSE_SIMPLE_SEQ (&p, struct nameseq);
            if (ns)

```



```

    {
        /* .DEFAULT_GOAL should contain one target. */
        if (ns->next != 0)
            O (fatal, NILF,
              _(".DEFAULT_GOAL contains more than one target"));

        f = enter_file (strcache_add (ns->name));

        ns->name = 0; /* It was reused by enter_file(). */
        free_ns_chain (ns);
    }
}

if (f)
    {
        goals = alloc_goaldep ();
        goals->file = f;
    }
}
else
    lastgoal->next = 0;

if (!goals)
    {
        if (read_files == 0)
            O (fatal, NILF, _("No targets specified and no makefile found"));

        O (fatal, NILF, _("No targets"));
    }

/* Update the goals. */

DB (DB_BASIC, (_("Updating goal targets...\n")));

{
    switch (update_goal_chain (goals))
    {
        case us_none:
            /* Nothing happened. */
            /* FALLTHROUGH */
        case us_success:
            /* Keep the previous result. */
            break;
        case us_question:
            /* We are under -q and would run some commands. */
            makefile_status = MAKE_TROUBLE;
    }
}

```

```

    break;
case us_failed:
    /* Updating failed. POSIX.2 specifies exit status >1 for this; */
    makefile_status = MAKE_FAILURE;
    break;
}

/* If we detected some clock skew, generate one last warning */
if (clock_skew_detected)
    O (error, NILF,
        _("warning: Clock skew detected. Your build may be incomplete.));

/* Exit. */
die (makefile_status);
}

/* NOTREACHED */
exit (MAKE_SUCCESS);
}

/* Parsing of arguments, decoding of switches. */

static char
options[1 + sizeof (switches) / sizeof (switches[0]) * 3];
static struct option long_options[(sizeof (switches) / sizeof (switches[0])) +
    (sizeof (long_option_aliases) /
    sizeof (long_option_aliases[0]))];

/* Fill in the string and vector for getopt. */
static void
init_switches (void)
{
    char *p;
    unsigned int c;
    unsigned int i;

    if (options[0] != '\0')
        /* Already done. */
        return;

    p = options;

    /* Return switch and non-switch args in order, regardless of
       POSIXLY_CORRECT. Non-switch args are returned as option 1. */
    *p++ = '-';

    for (i = 0; switches[i].c != '\0'; ++i)
    {

```

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long_options[i].name = (switches[i].long_name == 0 ? "" :
                        switches[i].long_name);
long_options[i].flag = 0;
long_options[i].val = switches[i].c;
if (short_option (switches[i].c))
    *p++ = switches[i].c;
switch (switches[i].type)
{
case flag:
case flag_off:
case ignore:
    long_options[i].has_arg = no_argument;
    break;

case string:
case strlist:
case filename:
case positive_int:
case floating:
    if (short_option (switches[i].c))
        *p++ = ':';
    if (switches[i].noarg_value != 0)
    {
        if (short_option (switches[i].c))
            *p++ = ':';
        long_options[i].has_arg = optional_argument;
    }
    else
        long_options[i].has_arg = required_argument;
    break;
}
}
*p = '\0';
for (c = 0; c < (sizeof (long_option_aliases) /
                sizeof (long_option_aliases[0]));
    ++c)
    long_options[i++] = long_option_aliases[c];
long_options[i].name = 0;
}

/* Non-option argument. It might be a variable definition. */
static void
handle_non_switch_argument (const
char *arg, int env)
{
    struct variable *v;

```

```

if (arg[0] == '-' && arg[1] == '\0')
    /* Ignore plain '-' for compatibility. */
    return;

#ifdef VMS
{
    /* VMS DCL quoting can result in foo="bar baz" showing up here.
       Need to remove the double quotes from the value. */
    char * eq_ptr;
    char * new_arg;
    eq_ptr = strchr (arg, '=');
    if ((eq_ptr != NULL) && (eq_ptr[1] == '"'))
        {
            int len;
            int seg1;
            int seg2;
            len = strlen(arg);
            new_arg = alloca(len);
            seg1 = eq_ptr - arg + 1;
            strncpy(new_arg, arg, (seg1));
            seg2 = len - seg1 - 1;
            strncpy(&new_arg[seg1], &eq_ptr[2], seg2);
            new_arg[seg1 + seg2] = 0;
            if (new_arg[seg1 + seg2 - 1] == '"')
                new_arg[seg1 + seg2 - 1] = 0;
            arg = new_arg;
        }
}
#endif
v = try_variable_definition (0, arg, o_command, 0);
if (v != 0)
    {
        /* It is indeed a variable definition.
           If we don't already have this
           one, record a pointer to the variable for later use in
           define_makeflags. */
        struct command_variable *cv;

        for (cv = command_variables; cv != 0; cv = cv->next)
            if (cv->variable == v)
                break;

        if (! cv)
            {
                cv = xmalloc (sizeof (*cv));
                cv->variable = v;
                cv->next = command_variables;
                command_variables = cv;
            }
    }

```

```

    }
}
else if (!env)
{
    /* Not an option or variable definition; it must be a goal
    target! Enter it as a file and add it to the dep chain of
    goals. */
    struct file *f = enter_file (strcache_add (expand_command_line_file (arg)));
    f->cmd_target = 1;

    if (goals == 0)
    {
        goals = alloc_goaldep ();
        lastgoal = goals;
    }
    else
    {
        lastgoal->next = alloc_goaldep ();
        lastgoal = lastgoal->next;
    }

    lastgoal->file = f;

    {
        /* Add this target name to the MAKECMDGOALS variable. */
        struct variable *gv;
        const char *value;

        gv = lookup_variable (STRING_SIZE_TUPLE ("MAKECMDGOALS"));
        if (gv == 0)
            value = f->name;
        else
        {
            /* Paste the old and new values together */
            unsigned int oldlen, newlen;
            char *vp;

            oldlen = strlen (gv->value);
            newlen = strlen (f->name);
            vp = alloca (oldlen + 1 + newlen + 1);
            memcpy (vp, gv->value, oldlen);
            vp[oldlen] = ' ';
            memcpy (&vp[oldlen + 1], f->name, newlen + 1);
            value = vp;
        }
        define_variable_cname ("MAKECMDGOALS", value, o_default, 0);
    }
}
}

```

```

}

/* Print a nice usage method. */

static void
print_usage (int bad)
{
  const char *const *cpp;
  FILE *usageto;

  if (print_version_flag)
    print_version
    ();

  usageto = bad ? stderr : stdout;

  fprintf (usageto, _("Usage: %s [options] [target] ...\n"), program);

  for (cpp = usage; *cpp; ++cpp)
    fputs (_(*cpp), usageto);

  if (!remote_description || *remote_description == '\0')
    fprintf (usageto, _("\nThis program built for %s\n"), make_host);
  else
    fprintf (usageto, _("\nThis program built for %s (%s)\n"),
            make_host, remote_description);

  fprintf (usageto, _("Report bugs to <bug-make@gnu.org>\n"));
}

/* Decode switches from ARGV and ARGV.
   They came from the environment if ENV is nonzero. */

static void
decode_switches (int argc, const char **argv, int env)
{
  int bad = 0;
  register const struct command_switch *cs;
  register struct stringlist *sl;
  register int c;

  /* getopt does most of the parsing for us.
     First, get its vectors set up. */

  init_switches ();

  /* Let getopt produce error messages for the command line,
     but not for options from

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```

the environment. */
opterr = !env;
/* Reset getopt's state. */
optind = 0;

while (optind < argc)
{
    const char *coptarg;

    /* Parse the next argument. */
    c = getopt_long (argc, (char*const*)argv, options, long_options, NULL);
    coptarg = optarg;
    if (c == EOF)
        /* End of arguments, or "--" marker seen. */
        break;
    else if (c == 1)
        /* An argument not starting with a dash. */
        handle_non_switch_argument (coptarg, env);
    else if (c == '?')
        /* Bad option. We will print a usage message and die later.
           But continue to parse the other options so the user can
           see all he did wrong. */
        bad = 1;
    else
        for (cs = switches; cs->c != '\0'; ++cs)
            if (cs->c == c)
                {
                    /* Whether or not we will actually do anything with
                       this switch. We test this individually inside the
                       switch
below rather than just once outside it, so that
           options which are to be ignored still consume args. */
                    int doit = !env || cs->env;

                    switch (cs->type)
                    {
                        default:
                            abort ();

                        case ignore:
                            break;

                        case flag:
                        case flag_off:
                            if (doit)
                                *(int *) cs->value_ptr = cs->type == flag;
                            break;

```

```

case string:
case strlist:
case filename:
    if (!doit)
        break;

    if (!coptarg)
        coptarg = xstrdup (cs->noarg_value);
    else if (*coptarg == '\0')
    {
        char opt[2] = "c";
        const char *op = opt;

        if (short_option (cs->c))
            opt[0]
= cs->c;
        else
            op = cs->long_name;

        error (NILF, strlen (op),
            _("the '%s%s' option requires a non-empty string argument"),
            short_option (cs->c) ? "-" : "--", op);
        bad = 1;
        break;
    }

    if (cs->type == string)
    {
        char **val = (char **)cs->value_ptr;
        free (*val);
        *val = xstrdup (coptarg);
        break;
    }

    sl = *(struct stringlist **) cs->value_ptr;
    if (sl == 0)
    {
        sl = xmalloc (sizeof (struct stringlist));
        sl->max = 5;
        sl->idx = 0;
        sl->list = xmalloc (5 * sizeof (char *));
        *(struct
stringlist **) cs->value_ptr = sl;
    }
    else if (sl->idx == sl->max - 1)
    {
        sl->max += 5;
        /* MSVC erroneously warns without a cast here. */

```



```

        sl->list = xrealloc ((void *)sl->list,
                           sl->max * sizeof (char *));
    }
    if (cs->type == filename)
        sl->list[sl->idx++] = expand_command_line_file (coptarg);
    else
        sl->list[sl->idx++] = xstrdup (coptarg);
    sl->list[sl->idx] = 0;
    break;

case positive_int:
    /* See if we have an option argument; if we do require that
       it's all digits, not something like "10foo". */
    if (coptarg == 0 && argc > optind)
    {
        const char *cp;

for (cp=argv[optind]; ISDIGIT (cp[0]); ++cp)
        ;
        if (cp[0] == '\0')
            coptarg = argv[optind++];
    }

    if (!doit)
        break;

    if (coptarg)
    {
        int i = atoi (coptarg);
        const char *cp;

        /* Yes, I realize we're repeating this in some cases. */
        for (cp = coptarg; ISDIGIT (cp[0]); ++cp)
            ;

        if (i < 1 || cp[0] != '\0')
        {
            error (NILF, 0,
                  _("the '-%c' option requires a positive integer argument"),
                  cs->c);
            bad = 1;
        }
        else
            *(unsigned int *) cs->value_ptr = i;
    }
}

else
    *(unsigned int *) cs->value_ptr

```

```

        = *(unsigned int *) cs->noarg_value;
    break;

#ifdef NO_FLOAT
    case floating:
        if (coptarg == 0 && optind < argc
            && (ISDIGIT (argv[optind][0]) || argv[optind][0] == '.'))
            coptarg = argv[optind++];

        if (doit)
            *(double *) cs->value_ptr
            = (coptarg != 0 ? atof (coptarg)
              : *(double *) cs->noarg_value);

        break;
#endif
    }

    /* We've found the switch. Stop looking. */
    break;
}

/* There are no more options according to getting getopt, but there may
   be some arguments left. Since we have asked for non-option arguments
   to be returned in order, this only happens when there is a "--"
   argument to prevent
   later arguments from being options. */
while (optind < argc)
    handle_non_switch_argument (argv[optind++], env);

if (!env && (bad || print_usage_flag))
{
    print_usage (bad);
    die (bad ? MAKE_FAILURE : MAKE_SUCCESS);
}

/* If there are any options that need to be decoded do it now. */
decode_debug_flags ();
decode_output_sync_flags ();
}

/* Decode switches from environment variable ENVAR (which is LEN chars long).
   We do this by chopping the value into a vector of words, prepending a
   dash to the first word if it lacks one, and passing the vector to
   decode_switches. */

static void

```

```

decode_env_switches (const char *envar, unsigned int len)
{
    char *varref = alloca (2 + len + 2);
    char *value, *p, *buf;
    int argc;
    const char **argv;

    /* Get the variable's value. */
    varref[0] = '$';
    varref[1] = '(';
    memcpy (&varref[2], envar, len);
    varref[2 + len] = ')';
    varref[2 + len + 1] = '\0';
    value =
    variable_expand (varref);

    /* Skip whitespace, and check for an empty value. */
    NEXT_TOKEN (value);
    len = strlen (value);
    if (len == 0)
        return;

    /* Allocate a vector that is definitely big enough. */
    argv = alloca ((1 + len + 1) * sizeof (char *));

    /* getopt will look at the arguments starting at ARGV[1].
       Prepend a spacer word. */
    argv[0] = 0;
    argc = 1;

    /* We need a buffer to copy the value into while we split it into words
       and unquote it. Set up in case we need to prepend a dash later. */
    buf = alloca (1 + len + 1);
    buf[0] = '-';
    p = buf+1;
    argv[argc] = p;
    while (*value != '\0')
    {
        if (*value == '\\' && value[1] != '\0')
            ++value;          /* Skip the backslash. */
        else if (ISBLANK (*value))
        {
            /* End of the word. */
            *p++ = '\0';
            argv[++argc] = p;
            do
                ++value;
            while (ISBLANK (*value));
        }
    }
}

```

```

        continue;
    }
    *p++ = *value++;
}
*p = '\0';
argv[++argc] = 0;
assert (p < buf + len + 2);

if (argv[1][0] != '-' && strchr (argv[1], '=') == 0)
    /* The first word doesn't start with a dash and isn't a variable
       definition, so add a dash. */
    argv[1] = buf;

/* Parse those words. */
decode_switches (argc, argv, 1);
}

/* Quote the string IN so that it will be interpreted as a single word with
   no magic by decode_env_switches; also double dollar signs to avoid
   variable expansion in make itself. Write the result into OUT, returning
   the address of the next character to be written.
   Allocating space for OUT twice the length of IN is always sufficient. */

static char *
quote_for_env (char *out, const char *in)
{
    while (*in != '\0')
    {
        if (*in == '$')
            *out++ = '$';
        else if (ISBLANK (*in) || *in == '\\')
            *out++ = '\\';
        *out++ = *in++;
    }

    return out;
}

/* Define the
   MAKEFLAGS and MFLAGS variables to reflect the settings of the
   command switches. Include options with args if ALL is nonzero.
   Don't include options with the 'no_makefile' flag set if MAKEFILE. */

static struct variable *
define_makeflags (int all, int makefile)
{
    const char ref[] = "${MAKEOVERRIDES}";
    const char posixref[] = "${-*command-variables-*}";

```

```

const char evalref[] = "$(-*-eval-flags-*-)";
const struct command_switch *cs;
char *flagstring;
char *p;

/* We will construct a linked list of 'struct flag's describing
   all the flags which need to go in MAKEFLAGS. Then, once we
   know how many there are and their lengths, we can put them all
   together in a string. */

struct flag
{
    struct flag *next;
    const struct command_switch *cs;
    const char *arg;
};
struct flag *flags = 0;
struct flag *last = 0;
unsigned int flagslen = 0;
#define ADD_FLAG(ARG, LEN) \
do {
    \
    struct flag *new = alloca (sizeof (struct flag)); \
    new->cs = cs; \
    new->arg = (ARG); \
    new->next = 0; \
    if (! flags) \
        flags = new; \
    else \
        last->next = new; \
    last = new; \
    if (new->arg == 0) \
        /* Just a single flag letter: "-x" */ \
        flagslen += 3; \
    \
    else \
        /* "-xfoo", plus space to escape "foo". */ \
        flagslen += 1 + 1 + 1 + (3 * (LEN)); \
    if (!short_option (cs->c)) \
        /* This switch has no single-letter version, so we use the long. */ \
        flagslen += 2 + strlen (cs->long_name); \
} while (0)

for (cs = switches; cs->c != '\0'; ++cs)
if (cs->toenv && (!makefile || !cs->no_makefile))
switch (cs->type)
{
    case ignore:

```

```

break;

case flag:
case flag_off:
if ((*int *) cs->value_ptr) == (cs->type == flag_off)
    && (cs->default_value == 0
        || *(int *) cs->value_ptr != *(int *) cs->default_value))
    ADD_FLAG (0, 0);
break;

case positive_int:
if (all)
{
if ((cs->default_value != 0
    && *(unsigned int *) cs->value_ptr
        == *(unsigned int *) cs->default_value))
    break;
else if (cs->noarg_value != 0
    && *(unsigned int *) cs->value_ptr ==
        *(unsigned int *) cs->noarg_value)
    ADD_FLAG ("", 0); /* Optional value omitted; see below. */
else
{
char *buf = alloca (30);
sprintf (buf, "%u", *(unsigned int *) cs->value_ptr);
ADD_FLAG (buf, strlen (buf));
}
}
break;

```

```

#ifdef NO_FLOAT
case floating:
if (all)
{
if (cs->default_value != 0
    && *(double *) cs->value_ptr
        == *(double *) cs->default_value)
    break;

else if (cs->noarg_value != 0
    && *(double *) cs->value_ptr
        == *(double *) cs->noarg_value)
    ADD_FLAG ("", 0); /* Optional value omitted; see below. */
else
{
char *buf = alloca (100);
sprintf (buf, "%g", *(double *) cs->value_ptr);
ADD_FLAG (buf, strlen (buf));
}
}

```

```

    }
}
break;
#endif

case string:
if (all)
{
p = *((char **)cs->value_ptr);
if (p)
ADD_FLAG (p, strlen (p));
}
break;

case filename:
case strlist:
if (all)
{
struct stringlist *sl = *(struct stringlist **) cs->value_ptr;
if (sl != 0)
{
unsigned int i;
for (i = 0; i < sl->idx; ++i)

ADD_FLAG (sl->list[i], strlen (sl->list[i]));
}
}
break;

default:
abort ();
}

#undef ADD_FLAG

/* Four more for the possible "--", plus variable references. */
flagslen += 4 + CSTRLEN (posixref) + 1 + CSTRLEN (evalref) + 1;

/* Construct the value in FLAGSTRING.
We allocate enough space for a preceding dash and trailing null. */
flagstring = alloca (1 + flagslen + 1);
memset (flagstring, '\0', 1 + flagslen + 1);
p = flagstring;

/* Start with a dash, for MFLAGS. */
*p++ = '-';

/* Add simple options as a group. */

```

```

while (flags != 0 && !flags->arg && short_option (flags->cs->c))
{
    *p++ = flags->cs->c;
    flags = flags->next;
}

/* Now add more complex flags: ones with options and/or long names. */
while (flags)
{
    *p++ = ' ';
    *p++ = '-';

    /* Add the flag letter or name to the string. */
    if (short_option
(flags->cs->c))
        *p++ = flags->cs->c;
    else
    {
        /* Long options require a double-dash. */
        *p++ = '-';
        strcpy (p, flags->cs->long_name);
        p += strlen (p);
    }
    /* An omitted optional argument has an ARG of "". */
    if (flags->arg && flags->arg[0] != '\0')
    {
        if (!short_option (flags->cs->c))
            /* Long options require '='. */
            *p++ = '=';
        p = quote_for_env (p, flags->arg);
    }
    flags = flags->next;
}

/* If no flags at all, get rid of the initial dash. */
if (p == &flagstring[1])
{
    flagstring[0] = '\0';
    p = flagstring;
}

/* Define MFLAGS before appending variable definitions. Omit an initial
empty dash. Since MFLAGS is not parsed for flags, there is no reason to
override any makefile redefinition. */
define_variable_cname ("MFLAGS",
    flagstring + (flagstring[0]
== '-' && flagstring[1] == '?' ? 2 : 0),
    o_env, 1);

```



```

/* Write a reference to --eval-flags--, which contains all the --eval
   flag options. */
if (eval_strings)
{
    *p++ = ' ';
    memcpy (p, evalref, CSTRLEN (evalref));
    p += CSTRLEN (evalref);
}

if (all && command_variables)
{
    /* Write a reference to $(MAKEOVERRIDES), which contains all the
       command-line variable definitions. Separate the variables from the
       switches with a "--" arg. */

    strcpy (p, "-- ");
    p += 4;

    /* Copy in the string. */
    if (posix_pedantic)
    {
        memcpy (p, posixref, CSTRLEN (posixref));
        p += CSTRLEN (posixref);
    }
    else
    {
        memcpy (p, ref, CSTRLEN (ref));
        p += CSTRLEN (ref);
    }
}

/* If there is a leading dash, omit it. */
if (flagstring[0] == '-')
    ++flagstring;

/* This used
to use o_env, but that lost when a makefile defined MAKEFLAGS.
Makefiles set MAKEFLAGS to add switches, but we still want to redefine
its value with the full set of switches. Then we used o_file, but that
lost when users added -e, causing a previous MAKEFLAGS env. var. to take
precedence over the new one. Of course, an override or command
definition will still take precedence. */
return define_variable_cname ("MAKEFLAGS", flagstring,
                             env_overrides ? o_env_override : o_file, 1);
}

/* Print version information. */

```

```

static void
print_version (void)
{
    static int printed_version = 0;

    const char *precede = print_data_base_flag ? "# " : "";

    if (printed_version)
        /* Do it only once. */
        return;

    printf ("%sGNU Make %s\n", precede, version_string);

    if (!remote_description || *remote_description == '\0')
        printf (_("%sBuilt for %s\n"), precede, make_host);
    else
        printf (_("%sBuilt
for %s (%s)\n"),
            precede, make_host, remote_description);

    /* Print this untranslated. The coding standards recommend translating the
(C) to the copyright symbol, but this string is going to change every
year, and none of the rest of it should be translated (including the
word "Copyright"), so it hardly seems worth it. */

    printf ("%sCopyright (C) 1988-2016 Free Software Foundation, Inc.\n",
        precede);

    printf (_("%sLicense GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html>\n\
%sThis is free software: you are free to change and redistribute it.\n\
%sThere is NO WARRANTY, to the extent permitted by law.\n"),
        precede, precede, precede);

    printed_version = 1;

    /* Flush stdout so the user doesn't have to wait to see the
version information while make thinks about things. */
    fflush (stdout);
}

/* Print a bunch of information about this and that. */

static void
print_data_base
(void)
{
    time_t when = time ((time_t *) 0);

```

```

print_version ();

printf (_("\n# Make data base, printed on %s"), ctime (&when));

print_variable_data_base ();
print_dir_data_base ();
print_rule_data_base ();
print_file_data_base ();
print_vpath_data_base ();
strcache_print_stats ("#");

when = time ((time_t *) 0);
printf (_("\n# Finished Make data base on %s\n"), ctime (&when));
}

static void
clean_jobserver (int status)
{
/* Sanity: have we written all our jobserver tokens back? If our
   exit status is 2 that means some kind of syntax error; we might not
   have written all our tokens so do that now. If tokens are left
   after any other error code, that's bad. */

if (jobserver_enabled() && jobserver_tokens)
{
if (status != 2)
ON (error, NILF,
    "INTERNAL: Exiting with %u jobserver tokens (should be 0)!",
    jobserver_tokens);
else
/* Don't write back the "free"
token */
while (--jobserver_tokens)
    jobserver_release (0);
}

/* Sanity: If we're the master, were all the tokens written back? */

if (master_job_slots)
{
/* We didn't write one for ourself, so start at 1. */
unsigned int tokens = 1 + jobserver_acquire_all ();

if (tokens != master_job_slots)
ONN (error, NILF,
    "INTERNAL: Exiting with %u jobserver tokens available; should be %u!",

```

```

        tokens, master_job_slots);

    reset_jobserver ();
}
}

/* Exit with STATUS, cleaning up as necessary. */

void
die (int status)
{
    static char dying = 0;

    if (!dying)
    {
        int err;

        dying = 1;

        if (print_version_flag)
            print_version ();

        /* Wait for children to die. */
        err = (status != 0);
        while (job_slots_used > 0)
            reap_children (1, err);

        /* Let the remote job module clean up its state. */
        remote_cleanup
    ();

        /* Remove the intermediate files. */
        remove_intermediates (0);

        if (print_data_base_flag)
            print_data_base ();

        if (verify_flag)
            verify_file_data_base ();

        clean_jobserver (status);

        if (output_context)
        {
            /* die() might be called in a recipe output context due to an
            $(error ...) function. */
            output_close (output_context);
        }
    }
}

```

```

    if (output_context != &make_sync)
        output_close (&make_sync);

    OUTPUT_UNSET ();
}

output_close (NULL);

/* Try to move back to the original directory. This is essential on
MS-DOS (where there is really only one process), and on Unix it
puts core files in the original directory instead of the -C
directory. Must wait until after remove_intermediates(), or unlinks
of relative pathnames fail. */
if (directory_before_chdir != 0)
{
    /* If it fails we don't care: shut up GCC. */
    int _x UNUSED;
    _x = chdir (directory_before_chdir);
}
}

exit (status);
}

```

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# 1.494 libcgroup 0.41-r0

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## 1.495 docker

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```

package spec

```
// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    Name string `json:"name,omitempty"`
    URL  string `json:"url,omitempty"`
}
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Protocol Buffers for Go with Gadgets

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<http://github.com/gogo/protobuf>

Go support for Protocol Buffers - Google's data interchange format

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Gocheck - A rich testing framework for Go

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```

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```
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```

```
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## 1.497 go-patricia

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b8b8373e-r0

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possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>
```

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Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) year name of author  
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program

`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

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## 1.502 libusb 1.0.22-r0

### 1.502.1 Available under license :

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Version 2.1, February 1999

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In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline

functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any executables

containing that work also fall under Section 6,

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## 1.503 gpt-fdisk 1.0.4-r0

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c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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```
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## 1.505 go-dbus

4.0.0+git5f6efc7ef2759c81b7ba876593971bfce

## 311eab3-r0

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```

```
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Copyright (c) 1993 The Regents of the University of California.
```

```
strlcpy.c:
Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com>
```

```
win32select.c:
Copyright (c) 2003 Michael A. Davis <mike@datanerds.net>
```

```
evport.c:
```

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=====

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=====

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Version 3, 29 June 2007

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```

```
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  date = "1992-2017";  
  owner = "The University of Delaware and Network Time Foundation";  
  eaddr = "http://bugs.ntp.org, bugs@ntp.org";  
  type = ntp;  
};
```

```
long-opts;  
config-header = config.h;  
environrc;  
no-misuse-usage;
```

```
version-proc = ntpOptionPrintVersion;
```

```
version      = `  
eval VERSION=`sed -e 's/.*,\\[/]' -e 's/\\.*/' < ../sntp/m4/version.m4`  
[ -z "${VERSION}" ] && echo "Cannot determine VERSION" && kill -TERM $AG_pid  
echo $VERSION`;
```

```
version-value = "; /* Don't use -v as a shortcut for --version */
```

```
/*
```

```
* HMS: man pages already have this, and texi pages can use the
```

```
* values in sntp/include/version.texi .
```

```
*/
```

```
// doc-sub = {
```

```
//   sub-name = version;
```

```
//   sub-text = 's/#VERSION#/<<version>>/g';
```

```
// };
```

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```

```
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```

```
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```

```
<meta http-equiv="content-type" content="text/html; charset=iso-8859-1">
<title>Copyright Notice</title>
<!-- Changed by: Harlan Stenn, 10-Mar-2014 -->
<link href="scripts/style.css" type="text/css" rel="stylesheet">
</head>
<body>
<h3>Copyright Notice</h3>
 "Clone me," says Dolly sheepishly.
<p>Last update:
<!-- #BeginDate format:En2m -->2-Jan-2017 11:58<!-- #EndDate -->
  UTC</p>
<br clear="left">
</p>
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```

\*\*\*\*\*

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- <li><a href="mailto:%20mark\_andrews@isc.org">Mark Andrews <mark\_andrews@isc.org></a> Leitch atomic clock controller</li>
- <li><a href="mailto:%20altmeier@atsoft.de">Bernd Altmeier <altmeier@atsoft.de></a> hopf Elektronik serial line and PCI-bus devices</li>
- <li><a href="mailto:%20vbais@mailman1.intel.co">Viraj Bais <vbais@mailman1.intel.com></a> and <a href="mailto:%20kirkwood@striderfm.intel.com">Clayton Kirkwood <kirkwood@striderfm.intel.com></a> port to WindowsNT 3.5</li>
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- <li><a href="mailto:%20karl@owl.HQ.ileaf.com">Karl Berry <karl@owl.HQ.ileaf.com></a> syslog to file option</li>
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</html>

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The following individuals contributed in part to the Network Time  
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3. [3]Bernd Altmeier <altmeier@atlsoft.de> hopf Elektronik serial line

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10. [11]Nelson B Bolyard <nelson@bolyard.me> update and complete broadcast and crypto features

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  48. [52]Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory
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# 1.507 Isof 4.91-r0

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# 1.513 util-linux 2.34-r0

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Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

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## 1.516 Itrace 7.91+gitAUTOINC+c22d359433-r0

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This is free software, and you are welcome to redistribute
it
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```

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ASN.1 library for Python

=====

```
.. toctree::  
    :maxdepth: 1
```

Abstract Syntax Notation One (ASN.1

[http://en.wikipedia.org/wiki/Abstract\\_Syntax\\_Notation\\_1x](http://en.wikipedia.org/wiki/Abstract_Syntax_Notation_1x)) is a technology for exchanging structured data in a universally understood, hardware agnostic way. Many industrial, security and telephony applications heavily rely on ASN.1.

The `pyasn1` <https://pypi.org/project/pyasn1/> library implements ASN.1 support in pure-Python.

What is ASN.1

-----

ASN.1 is a large, arguably over-engineered and extremely old data modelling and serialisation tool. It is probably among the first serialisation protocols in the history of computer science and technology.

ASN.1 started its life over 30 years ago as a serialisation mechanism for the first electronic mail (known as X.400). Later on it was split off the e-mail application and become a stand-alone tech still being actively supported by its designers and widely used in industry and technology.

Since then ASN.1 is sort of haunted by its relations with the OSI model -- the first, unsuccessful, version of the Internet. You can read many interesting [discussions https://news.ycombinator.com/item?id=8871453](https://news.ycombinator.com/item?id=8871453) on that topic.

In the following years, generations of software engineers tackled the serialisation problem many times. We can see that in Google's `ProtoBuffers` <https://developers.google.com/protocol-buffers/> or `FlatBuffers` <https://google.github.io/flatbuffers/>, for example. Interestingly, many new takes on binary protocol design do not depart far from ASN.1 from technical perspective. It's more of a matter of striking a balance between processing overhead, wire format overhead and human readability.

Looking at what ASN.1 has to offer, it has three loosely coupled parts:

- \* Data types: the standard introduces a collection of basic data types (integers, bits, strings, arrays and records) that can be used for describing

arbitrarily complex, nested data structures.

\* Serialisation protocols: the above data structures could be converted into a series of octets for storage or transmission over the wire as well as recovered back into their structured form. The system is fully agnostic to hardware architectures differences.

\* Schema language: ASN.1 data structures could be described in terms of a schema language for ASN.1 compiler to turn it into platform-specific implementation.

#### ASN.1 applications

-----

Being an old and generally successful standard, ASN.1 is widely adopted for many uses. To give you an example, these technologies use ASN.1 for their data exchange needs:

- \* Signaling standards for the public switched telephone network (SS7 family)
- \* Network management standards (SNMP, CMIP)
- \* Directory standards (X.500 family, LDAP)
- \* Public Key Infrastructure standards (X.509, etc.)
- \* PBX control (CSTA)
- \* IP-based Videoconferencing (H.323 family)
- \* Biometrics (BIP, CBEFF, ACBio)
- \* Intelligent transportation (SAE J2735)
- \* Cellular telephony (GSM, GPRS/EDGE, UMTS, LTE)

#### ASN.1 gotchas

-----

Apparently, ASN.1 is hard to implement properly. Quality open-source ASN.1 tools are rare, but ad-hoc implementations are numerous. Judging from the ``statistics <http://cve.mitre.org/cgi-bin/cvekey.cgi?keyword=ASN.1>`` on discovered security vulnerabilities, many people have implemented ASN.1 parsers and oftentimes fell victim to its edge cases.

On the bright side, ASN.1 has been around for a long time, it is well understood and security reviewed.

#### Documentation

-----

.. toctree::

  :maxdepth: 2

  /pyasn1/contents

## Use case

-----

```
.. toctree::  
    :maxdepth: 2
```

/example-use-case

## Download & Install

-----

```
.. toctree::  
    :maxdepth: 2
```

/download

## Changes

-----

All changes and release history is maintained in changelog. There you could also download the latest unreleased pyasn1 tarball containing the latest fixes and improvements.

```
..  
toctree::  
    :maxdepth: 1
```

/changelog

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-----

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## Getting help

-----

Please, file your `issues` <<https://github.com/etingof/pyasn1/issues>>`\_` and `PRs` <<https://github.com/etingof/pyasn1/pulls>>`\_` at GitHub. Alternatively, you could ask for help at `Stack Overflow` <<http://stackoverflow.com/questions/tagged/pyasn1>>`\_` or search

`pyasn1-users <<https://lists.sourceforge.net/lists/listinfo/pyasn1-users>>`  
mailing list archive.

## Books on ASN.1

-----

The pyasn1 implementation is largely based on reading up the following awesome books:

- \* `ASN.1 - Communication between heterogeneous systems <<http://www.oss.com/asn1/dubuisson.html>>` by Olivier Dubuisson
- \* `ASN.1 Complete <<http://www.oss.com/asn1/resources/books-whitepapers-pubs/larmouth-asn1-book.pdf>>` by Prof John Larmouth

Here you can get the official standards which is hard to read:

- \* `ITU standards  
<<http://www.itu.int/ITU-T/studygroups/com17/languages/X.680-X.693-0207w.zip>>`

On the other end of the readability spectrum, here is a quick and sweet write up:

- \* `A Layman's Guide to a Subset of ASN.1, BER, and DER <[ftp://ftp.rsasecurity.com/pub/pkcs/ascii/layman.asc](http://ftp.rsasecurity.com/pub/pkcs/ascii/layman.asc)>` by Burton S. Kaliski

If you are working with ASN.1, we'd highly recommend reading a proper book on the subject.

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```
* /opt/ws_local/PERMITS_SQL/1084376474_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-0.4.7/docs/source/contents.rst
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\*

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\* /opt/ws\_local/PERMITS\_SQL/1084376474\_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-0.4.7/tests/codec/der/test\_decoder.py

\* /opt/ws\_local/PERMITS\_SQL/1084376474\_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-0.4.7/pyasn1/compat/integer.py

\* /opt/ws\_local/PERMITS\_SQL/1084376474\_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-0.4.7/pyasn1/compat/string.py

\* /opt/ws\_local/PERMITS\_SQL/1084376474\_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-0.4.7/tests/compat/test\_binary.py

\*

/opt/ws\_local/PERMITS\_SQL/1084376474\_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-0.4.7/tests/codec/ber/test\_encoder.py

\* /opt/ws\_local/PERMITS\_SQL/1084376474\_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-0.4.7/pyasn1/debug.py

\* /opt/ws\_local/PERMITS\_SQL/1084376474\_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-

```

0.4.7/tests/test_debug.py
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* /opt/ws_local/PERMITS_SQL/1084376474_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-
0.4.7/tests/codec/native/__main__.py
* /opt/ws_local/PERMITS_SQL/1084376474_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-
0.4.7/tests/type/test_namedval.py
* /opt/ws_local/PERMITS_SQL/1084376474_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-
0.4.7/pyasn1/type/base.py
* /opt/ws_local/PERMITS_SQL/1084376474_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-
0.4.7/tests/type/test_namedtype.py
* /opt/ws_local/PERMITS_SQL/1084376474_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-
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0.4.7/pyasn1/type/tagmap.py
* /opt/ws_local/PERMITS_SQL/1084376474_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-0.4.7/pyasn1/error.py
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* /opt/ws_local/PERMITS_SQL/1084376474_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-
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* /opt/ws_local/PERMITS_SQL/1084376474_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-
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* /opt/ws_local/PERMITS_SQL/1084376474_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-
0.4.7/pyasn1/codec/der/encoder.py
*
/opt/ws_local/PERMITS_SQL/1084376474_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-
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* /opt/ws_local/PERMITS_SQL/1084376474_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-
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* /opt/ws_local/PERMITS_SQL/1084376474_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-
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0.4.7/pyasn1/codec/der/decoder.py
*

```



```

/opt/ws_local/PERMITS_SQL/1084376474_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-
0.4.7/pyasn1/compat/dateandtime.py
* /opt/ws_local/PERMITS_SQL/1084376474_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-
0.4.7/tests/type/test_tag.py
* /opt/ws_local/PERMITS_SQL/1084376474_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-
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* /opt/ws_local/PERMITS_SQL/1084376474_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-
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* /opt/ws_local/PERMITS_SQL/1084376474_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-
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* /opt/ws_local/PERMITS_SQL/1084376474_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-
0.4.7/tests/type/test_univ.py
* /opt/ws_local/PERMITS_SQL/1084376474_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-
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* /opt/ws_local/PERMITS_SQL/1084376474_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-
0.4.7/pyasn1/codec/cer/decoder.py
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/opt/ws_local/PERMITS_SQL/1084376474_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-
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* /opt/ws_local/PERMITS_SQL/1084376474_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-
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* /opt/ws_local/PERMITS_SQL/1084376474_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-
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* /opt/ws_local/PERMITS_SQL/1084376474_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-
0.4.7/tests/codec/__main__.py
* /opt/ws_local/PERMITS_SQL/1084376474_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-
0.4.7/tests/compat/__main__.py
* /opt/ws_local/PERMITS_SQL/1084376474_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-
0.4.7/tests/type/test_opentype.py
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```

ASN.1 library for Python

-----

```

[!PyPI](https://img.shields.io/pypi/v/pyasn1.svg?maxAge=2592000)](https://pypi.org/project/pyasn1)
[!Python Versions](https://img.shields.io/pypi/pyversions/pyasn1.svg)](https://pypi.org/project/pyasn1/)
[!Build status](https://travis-ci.org/etingof/pyasn1.svg?branch=master)](https://secure.travis-ci.org/etingof/pyasn1)
[!Coverage
Status](https://img.shields.io/codecov/c/github/etingof/pyasn1.svg)](https://codecov.io/github/etingof/pyasn1)
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```

This is a free and open source implementation of ASN.1 types and codecs as a Python package. It has been first written to support particular protocol (SNMP) but then generalized to be suitable for a wide range of protocols based on

[ASN.1 specification](https://www.itu.int/rec/dologin\_pub.asp?lang=e&id=T-REC-X.208-198811-W!!PDF-

E&type=items).

## Features

-----

\*

- Generic implementation of ASN.1 types (X.208)
- \* Standards compliant BER/CER/DER codecs
- \* Dumps/loads ASN.1 structures from Python types
- \* 100% Python, works with Python 2.4 up to Python 3.7
- \* MT-safe
- \* Contributed ASN.1 compiler [Asn1ate](<https://github.com/kimgr/asn1ate>)

## Why using pyasn1

-----

ASN.1 solves the data serialisation problem. This solution was designed long ago by the wise Ancients. Back then, they did not have the luxury of wasting bits. That is why ASN.1 is designed to serialise data structures of unbounded complexity into something compact and efficient when it comes to processing the data.

That probably explains why many network protocols and file formats still rely on the 30+ years old technology. Including a number of high-profile Internet protocols and file formats.

Quite a number of books cover the topic of ASN.1.  
[Communication between heterogeneous systems](<http://www.oss.com/asn1/dubuisson.html>)  
by  
Olivier Dubuisson is one of those high quality books freely available on the Internet.

The pyasn1 package is designed to help Python programmers tackling network protocols and file formats at the comfort of their Python prompt. The tool struggles to capture all aspects of a rather complicated ASN.1 system and to represent it on the Python terms.

## How to use pyasn1

-----

With pyasn1 you can build Python objects from ASN.1 data structures. For example, the following ASN.1 data structure:

```
```bash
Record ::= SEQUENCE {
  id    INTEGER,
  room  [0] INTEGER OPTIONAL,
```

```

house [1] INTEGER DEFAULT 0
}
...

```

Could be expressed in pyasn1 like this:

```

```python
class Record(Sequence):
    componentType = NamedTypes(
        NamedType('id', Integer()),
        OptionalNamedType(
            'room', Integer().subtype(
                implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
            )
        ),
        DefaultedNamedType(
            'house',
            Integer(0).subtype(
                implicitTag=Tag(tagClassContext, tagFormatSimple, 1)
            )
        )
    )
...

```

It is in the spirit of ASN.1 to take abstract data description and turn it into a programming language specific form.

Once you have your ASN.1 data structure expressed in Python, you can use it along the lines of similar Python type (e.g. ASN.1 `SET` is similar to Python `dict`, `SET OF` to `list`):

```

```python
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
id=123
room=321
>>>
...

```

Part of the power of ASN.1 comes from its serialisation features. You can serialise your data structure and send it over the network.

```

```python
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)

```

```
00000: 30 07 02 01 7B 80 02 01 41
```

```
...
```

Conversely, you can turn serialised ASN.1 content, as received from network or read from a file, into a Python object which you can introspect, modify, encode and send back.

```
```python
>>> from pyasn1.codec.der.decoder import decode
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())
>>>
>>> for field in received_record:
>>>     print('{} is {}'.format(field, received_record[field]))
id is 123
room is 321
house is 0
>>>
>>> record == received_record
True
>>> received_record.update(room=123)
>>> substrate = encode(received_record)
>>> hexdump(substrate)
00000: 30 06 02 01 7B 80 01 7B
...
```
```

The pyasn1 classes struggle to emulate their Python prototypes (e.g. int, list, dict etc.). But ASN.1 types exhibit more complicated behaviour.

To make life easier for a Pythonista, they can turn their pyasn1 classes into Python built-ins:

```
```python
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321, 'house': 0}
...
```
```

Or vice-versa -- you can initialize an ASN.1 structure from a tree of Python objects:

```
```python
>>> from pyasn1.codec.native.decoder import decode
>>> record = decode({'id':
123, 'room': 321, 'house': 0}, asn1Spec=Record())
>>> str(record)
Record:
id=123
room=321
...
```
```

>>>  
...

With ASN.1 design, serialisation codecs are decoupled from data objects, so you could turn every single ASN.1 object into many different serialised forms. As of this moment, pyasn1 supports BER, DER, CER and Python built-ins codecs. The extremely compact PER encoding is expected to be introduced in the upcoming pyasn1 release.

More information on pyasn1 APIs can be found in the [documentation](<http://snmplabs.com/pyasn1/>), compiled ASN.1 modules for different protocols and file formats could be found in the pyasn1-modules [repo](<https://github.com/etingof/pyasn1-modules>).

How to get pyasn1  
-----

The pyasn1 package is distributed under terms and conditions of 2-clause BSD [license](<http://snmplabs.com/pyasn1/license.html>). Source code is freely available as a GitHub [repo](<https://github.com/etingof/pyasn1>).

You could `pip install pyasn1` or download it from [PyPI](<https://pypi.org/project/pyasn1>).

If something does not work as expected, [open an issue](<https://github.com/etingof/pyasn1/issues>) at GitHub or post your question [on Stack Overflow](<https://stackoverflow.com/questions/ask>) or try browsing pyasn1 [mailing list archives](<https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/>).

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Found in path(s):  
\* /opt/ws\_local/PERMITS\_SQL/1084376474\_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-0.4.7/README.md  
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\* /opt/ws\_local/PERMITS\_SQL/1084376474\_1598474112.79/0/pyasn1-0-4-7-tar-gz/pyasn1-0.4.7/LICENSE.rst

# 1.523 picocom 3.1+gitAUTOINC+90385aabe2-r0

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ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

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- Oliver Kurth (oku@debian.org) contributed bug fixes and the manual page for picocom.
- Julius P. Malkiewicz (julius@sonartech.com.au) contributed FreeBSD portability fixes, the C-\ command implementation, the UUCP locks implementation, and other minor fixes.
- Pavel Vymetalek (pvymetalek@seznam.cz) contributed the higher baudrates support.
- Niels Moller (nisse@lysator.liu.se) contributed support for non-alphabetic escape keys.
- (lwithers@gmail.com) contributed fixes to select(2) and read(2) error handling.
- (bob.dunlop@xyzyzy.org.uk) suggested fix to prevent serial port from becoming controlling terminal.
- Edgar Johansen (edgar@storteig.com) suggested conditionals to enable compilation without UUCP\_LOCK\_DIR
- Scott Tsai (scott.tw@gmail.com) suggested better UUCP\_LOCK\_DIR definition
- Josh Handley (<https://github.com/jhandley>) added support for line-editing, autocompletion and history when entering "send" and "receive" file names. Editing support uses the "linenoise" library. See: <https://github.com/jhandley/picocom>
- Salvatore Sanfilippo (<https://github.com/antirez>) is the author of the linenoise line-editing library. See: <https://github.com/antirez/linenoise>
- From Cody Schafer's (<https://github.com/jmesmon>) fork originated the idea to add custom baudrate support to picocom. See: <https://github.com/jmesmon/picocom>
- From Paul Chakravarti's (<https://github.com/paulchakravarti>) fork originated the idea to add support for disabling the send- and receive-file commands, and for not using the shell when executing

external programs (to avoid shell escapes). See:  
<https://github.com/paulchakravarti/picocom-noexec>

- Vicente Olivert Riera (Vincent.Riera@imgtec.com) contributed minor patches

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- Cody Planteen (<https://github.com/planteen>) contributed the implementation of the toggle-RTS command.

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- Maciej Grela (<https://github.com/mgrela>) contributed the initial --initstring option implementation.

- Baruch Siach (<https://github.com/baruchsiach>) contributed improvements to the Makefile

- Christopher N. Hesse (<https://github.com/raymanfx>) contributed the initial Android makefile

- Ben (<https://github.com/the-dem>) contributed backward compatibility fixes.

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## 1.525 llvm-project-source 7.1.0-r0

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```
; RUN: llc < %s -mtriple=s390x-linux-gnu -mcpu=zEC12 -verify-machineinstrs | FileCheck %s
;
; Test that early if conversion produces LOCR with operands of the right
; register classes.
```

```
define void @autogen_SD4739(i8*) {
; CHECK-NOT: Expected a GR32Bit register, but got a GRX32Bit register
BB:
  %L34 = load i8, i8* %0
  %Cmp56 = icmp sgt i8 undef, %L34
  br label %CF246

CF246:                                ; preds = %CF246, %BB
  %S1163 = select i1 %Cmp56, i8 %L34, i8 undef
  br i1 undef, label %CF246, label %CF248

CF248:                                ; preds = %CF248, %CF246
  store i8 %S1163, i8* %0
  br label %CF248
}
```

```
=====  
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```



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```

*/
; RUN: llc -march=hexagon < %s
; REQUIRES: asserts

; The two loads based on %struct.0, loading two different data types
; cause LSR to assume type "void" for the memory type. This would then
; cause an assert in isLegalAddressingMode. Make sure we no longer crash.

target triple = "hexagon"

%struct.0 = type { i8*, i8, %union.anon.0 }
%union.anon.0 = type { i8* }

define hidden fastcc void @fred() unnamed_addr #0 {
entry:
br i1 undef, label %while.end, label %while.body.lr.ph

while.body.lr.ph:
; preds = %entry
br label %while.body

while.body:
; preds = %exit.2, %while.body.lr.ph
%lshr.iv = phi %struct.0* [ %cgep22, %exit.2 ], [ undef, %while.body.lr.ph ]
switch i32 undef, label %exit [
i32 1, label %sw.bb.i
i32 2, label %sw.bb3.i
]

sw.bb.i:
; preds = %while.body
unreachable

sw.bb3.i:
; preds = %while.body
unreachable

exit:
; preds = %while.body
switch i32 undef, label %exit.2 [
i32 1, label %sw.bb.i17
i32 2, label %sw.bb3.i20
]

sw.bb.i17:
; preds = %exit
%0 = bitcast %struct.0* %lshr.iv to i32*
%1 = load i32, i32* %0, align 4
unreachable

sw.bb3.i20:
; preds = %exit
%2 = bitcast %struct.0* %lshr.iv to i8**
%3 = load i8*, i8** %2, align 4

```



unreachable

```
exit.2:                                ; preds = %exit
%cgep22 = getelementptr %struct.0, %struct.0* %lstr.iv, i32 1
br label %while.body
```

```
while.end:                              ; preds = %entry
ret void
}
```

```
attributes #0 = { nounwind optsize "target-cpu"="hexagonv55" }
; RUN: llc -mtriple=aarch64-apple-ios %s -o - | FileCheck %s
```

```
define <16 x double> @test_sitofp_fixed(<16 x i32> %in) {
; CHECK-LABEL: test_sitofp_fixed:
```

```
    ; First, extend each i32 to i64
```

```
    ; CHECK-DAG: sshll2.2d [[BLOCK0_HI:v[0-9]+]], v0, #0
    ; CHECK-DAG: sshll2.2d [[BLOCK1_HI:v[0-9]+]], v1, #0
    ; CHECK-DAG: sshll2.2d [[BLOCK2_HI:v[0-9]+]], v2, #0
    ; CHECK-DAG: sshll2.2d [[BLOCK3_HI:v[0-9]+]], v3, #0
    ; CHECK-DAG: sshll.2d [[BLOCK0_LO:v[0-9]+]], v0, #0
    ; CHECK-DAG: sshll.2d [[BLOCK1_LO:v[0-9]+]], v1, #0
    ; CHECK-DAG: sshll.2d [[BLOCK2_LO:v[0-9]+]], v2, #0
    ; CHECK-DAG: sshll.2d [[BLOCK3_LO:v[0-9]+]], v3, #0
```

```
    ; Next, convert each to double.
```

```
    ; CHECK-DAG: scvtf.2d v0, [[BLOCK0_LO]]
    ; CHECK-DAG: scvtf.2d v1, [[BLOCK0_HI]]
    ; CHECK-DAG: scvtf.2d v2, [[BLOCK1_LO]]
    ; CHECK-DAG: scvtf.2d v3, [[BLOCK1_HI]]
    ; CHECK-DAG: scvtf.2d v4, [[BLOCK2_LO]]
    ; CHECK-DAG: scvtf.2d v5, [[BLOCK2_HI]]
    ; CHECK-DAG: scvtf.2d v6, [[BLOCK3_LO]]
    ; CHECK-DAG: scvtf.2d v7, [[BLOCK3_HI]]
```

```
    ; CHECK: ret
```

```
    %flt = sitofp <16 x i32>
```

```
    %in to <16 x double>
```

```
    %res = fdiv <16 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0,
double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0,
double 64.0>
```

```
    ret <16 x double> %res
```

```
}
```

```
    ; This one is small enough to satisfy isSimple, but still illegally large.
```

```
define <4 x double> @test_sitofp_fixed_shortish(<4 x i64> %in) {
```

```
    ; CHECK-LABEL: test_sitofp_fixed_shortish:
```

```
; CHECK-DAG: scvtf.2d v0, v0
; CHECK-DAG: scvtf.2d v1, v1

; CHECK: ret
%flt = sitofp <4 x i64> %in to <4 x double>
%res = fdiv <4 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0>
ret <4 x double> %res
}
```

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```

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```
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  llvmSymbol
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LINK_COMPONENTS
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  Support
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)
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; RUN: llc < %s -mtriple=x86\_64-linux-android -mattr=+mmx -enable-legalize-types-checking | FileCheck %s  
;  
; D31946  
; Check that we dont end up with the ""LLVM ERROR: Cannot select" error.  
; Additionally ensure that the output code actually put fp128 values in SSE registers.

```

declare fp128 @llvm.fabs.f128(fp128)
declare fp128 @llvm.copysign.f128(fp128, fp128)

define fp128 @TestSelect(fp128 %a, fp128 %b) {
    %cmp = fcmp ogt fp128 %a, %b
    %sub = fsub fp128 %a, %b
    %res = select i1 %cmp, fp128 %sub, fp128 0xL00000000000000000000000000000000
    ret fp128 %res
; CHECK-LABEL: TestSelect:
; CHECK    movaps 16(%rsp), %xmm1
; CHECK-NEXT callq __subtf3
; CHECK-NEXT testl %ebx, %ebx
; CHECK-NEXT jg .LBB0_2
; CHECK-NEXT # %bb.1:
; CHECK-NEXT movaps .LCPI0_0(%rip), %xmm0
; CHECK-NEXT .LBB0_2:
; CHECK-NEXT addq $32, %rsp
; CHECK-NEXT popq %rbx
; CHECK-NEXT retq
}

define fp128 @TestFabs(fp128 %a) {
    %res = call fp128 @llvm.fabs.f128(fp128 %a)
    ret fp128 %res
; CHECK-LABEL: TestFabs:
;
; CHECK    andps .LCPI1_0(%rip), %xmm0
; CHECK-NEXT retq
}

define fp128 @TestCopysign(fp128 %a, fp128 %b) {
    %res = call fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
    ret fp128 %res
; CHECK-LABEL: TestCopysign:
; CHECK    andps .LCPI2_1(%rip), %xmm0
; CHECK-NEXT orps %xmm1, %xmm0
; CHECK-NEXT retq
}

define fp128 @TestFneg(fp128 %a) {
    %mul = fmul fp128 %a, %a
    %res = fsub fp128 0xL00000000000000008000000000000000, %mul
    ret fp128 %res
; CHECK-LABEL: TestFneg:
; CHECK    movaps %xmm0, %xmm1
; CHECK-NEXT callq __multf3
; CHECK-NEXT xorps .LCPI3_0(%rip), %xmm0

```

```
; CHECK-NEXT popq %rax
; CHECK-NEXT retq
}
```

# 1.526 opkg 0.4.1-r0

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Julian Seward, [jseward@bzip.org](mailto:jseward@bzip.org)  
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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Version 2.1, February 1999

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@c Set file name and title for man page.

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gfdl(7), fsf-funding(7).

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@c man end

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DRuntime: Runtime Library for the D Programming Language

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# 1.529 libgudev 233-r0

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## 1.531 python3-gevent 1.4.0-r0

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gevent/libuv/\_coreffi\_source.c  
gevent/libuv/\_coreffi\_cdef.c

Originally based on code from <https://github.com/veege/guv>

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## 1.3+gitAUTOINC+c6934373c7-r0

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## 1.535 iputils s20190709-r0

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#### A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's

principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.2            | 2.1.1        | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          |              |           |            |                     |
| 2.1.2          | 2002         | PSF       | yes        |                     |
| 2.2.1          | 2.2          | 2002      | PSF        | yes                 |
| 2.2.2          | 2.2.1        | 2002      | PSF        | yes                 |
| 2.2.3          | 2.2.2        | 2003      | PSF        | yes                 |
| 2.3            | 2.2.2        | 2002-2003 | PSF        | yes                 |
| 2.3.1          | 2.3          | 2002-2003 | PSF        | yes                 |
| 2.3.2          | 2.3.1        | 2002-2003 | PSF        | yes                 |
| 2.3.3          | 2.3.2        | 2002-2003 | PSF        | yes                 |
| 2.3.4          | 2.3.3        | 2004      | PSF        | yes                 |
| 2.3.5          | 2.3.4        | 2005      | PSF        | yes                 |
| 2.4            | 2.3          | 2004      | PSF        | yes                 |
| 2.4.1          | 2.4          | 2005      | PSF        | yes                 |

|       |       |      |     |     |
|-------|-------|------|-----|-----|
| 2.4.2 | 2.4.1 | 2005 | PSF | yes |
| 2.4.3 | 2.4.2 | 2006 | PSF | yes |
| 2.4.4 | 2.4.3 | 2006 | PSF | yes |
| 2.5   | 2.4   | 2006 | PSF | yes |
| 2.5.1 | 2.5   | 2007 | PSF | yes |
| 2.5.2 | 2.5.1 | 2008 | PSF | yes |
| 2.5.3 | 2.5.2 | 2008 | PSF | yes |
| 2.6   | 2.5   | 2008 | PSF | yes |
| 2.6.1 | 2.6   | 2008 | PSF | yes |
| 2.6.2 | 2.6.1 | 2009 | PSF | yes |
| 2.6.3 | 2.6.2 | 2009 | PSF | yes |
| 2.6.4 | 2.6.3 | 2009 | PSF | yes |
| 2.6.5 | 2.6.4 | 2010 | PSF | yes |
| 3.0   | 2.6   | 2008 | PSF | yes |
| 3.0.1 | 3.0   | 2009 | PSF | yes |
| 3.1   | 3.0.1 | 2009 | PSF | yes |
| 3.1.1 | 3.1   | 2009 | PSF | yes |
| 3.1.2 | 3.1   | 2010 | PSF | yes |
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ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

It contains the certificates in PEM format and therefore

can be directly used with curl / libcurl / php\_curl, or with an Apache+mod\_ssl webserver for SSL client authentication. Just configure this file as the SSLCACertificateFile.#

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# 1.539 nghttp2 1.39.2-r0

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set yrange [0:]

set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024

set xtics rotate by -45

set style histogram errorbars gap 2 lw 1

set style fill solid border -1

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## 1.542 sg3-utils 1.44-r0

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## 1.552 pythonurllib 1.25.8-r0

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# Contributions to the urllib3 project

## Creator & Maintainer

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## Contributors

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- \* victor.vde <<http://code.google.com/u/victor.vde/>>
- \* HTTPS patch (which inspired HTTPSConnectionPool)
  
- \* erikcederstrand <<http://code.google.com/u/erikcederstrand/>>
- \* NTLM-authenticated HTTPSConnectionPool
- \* Basic-authenticated HTTPSConnectionPool (merged into make\_headers)
  
- \* niphlod <niphlod@gmail.com>
- \* Client-verified SSL certificates for HTTPSConnectionPool
- \* Response gzip and deflate encoding support
- \* Better unicode support for filepost using StringIO buffers
  
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- \* IPv6 url support and test coverage
  
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- \* Thomas Weischuh <thomas@t-8ch.de>
- \* Support for TLS SNI
- \* API unification of ssl\_version/cert\_reqs
- \* SSL fingerprint and alternative hostname verification
- \* Bugfixes in testsuite
  
- \* Sune Kirkeby <mig@ibofobi.dk>
- \* Optional SNI-support for Python 2 via PyOpenSSL.
  
- \* Marc Schlaich <marc.schlaich@gmail.com>
- \* Various bugfixes and test improvements.
  
- \* Bryce Boe <bbzbryce@gmail.com>
- \* Correct six.moves conflict
- \* Fixed pickle support of some exceptions
  
- \* Boris Figovsky <boris.figovsky@ravellosystems.com>
- \* Allowed to skip SSL hostname verification
  
- \* Cory Benfield  
<<https://lukasa.co.uk/about/>>
- \* Stream method for Response objects.
- \* Return native strings in header values.
- \* Generate 'Host' header when using proxies.
  
- \* Jason Robinson <jaywink@basshero.org>
- \* Add missing WrappedSocket.fileno method in PyOpenSSL
  
- \* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
- \* Fixed a race condition
  
- \* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
- \* Added HTTPS (CONNECT) proxy support
  
- \* Stephen Holsapple <sholsapp@gmail.com>
- \* Added abstraction for granular control of request fields
  
- \* Martin von Gagern <Martin.vGagern@gmx.net>
- \* Support for non-ASCII header parameters
  
- \* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
- \* Support for separate connect and request timeouts
  
- \* Peter Waller <p@pwaller.net>
- \* HTTPResponse.tell() for determining amount received over the wire

- \* Nipunn Koorapati <nipunn1313@gmail.com>
- \* Ignore default ports when comparing hosts for equality
  
- \* Danilo @dbrgn <https://dbrgn.ch/>
- \* Disabled TLS compression by default on Python 3.2+
- \* Disabled TLS compression in pyopenssl contrib module
- \* Configurable cipher suites in pyopenssl contrib module
  
- \* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
- \* Account retries on proxy errors
  
- \* Nicolas Delaby <nicolas.delaby@ezeep.com>
- \* Use the platform-specific CA certificate locations
  
- \* Josh Schneier <https://github.com/jschneier>
- \* HTTPHeaderDict and associated tests and docs
- \* Bugfixes, docs, test coverage
  
- \* Tahia Khan <http://tahia.tk/>
- \* Added Timeout examples in docs
  
- \* Arthur Grunseid <https://grunseid.com>
- \* source\_address support and tests (with https://github.com/bui)
  
- \* Ian Cordasco <graffatcolmingov@gmail.com>
- \* PEP8 Compliance and Linting
- \* Add ability to pass socket options to an HTTP Connection
  
- \* Erik Tollerud <erik.tollerud@gmail.com>
- \* Support for standard library io module.
  
- \* Krishna Prasad <kprasad.iitd@gmail.com>
- \* Google App Engine documentation
  
- \* Aaron Meurer  
<asmeurer@gmail.com>
- \* Added Url.url, which unparses a Url
  
- \* Evgeny Kapun <abacabadabacaba@gmail.com>
- \* Bugfixes
  
- \* Benjamin Meyer <bm\_witness@yahoo.com>
- \* Security Warning Documentation update for proper capture
  
- \* Shivan Sornarajah <github@sornars.com>
- \* Support for using ConnectionPool and PoolManager as context managers.



- \* Alex Gaynor <alex.gaynor@gmail.com>
- \* Updates to the default SSL configuration
  
- \* Tomas Tomecek <ttomecek@redhat.com>
- \* Implemented generator for getting chunks from chunked responses.
  
- \* tlynn <https://github.com/tlynn>
- \* Respect the warning preferences at import.
  
- \* David D. Riddle <ddriddle@illinois.edu>
- \* IPv6 bugfixes in testsuite
  
- \* Thea Flowers <magicalgirl@google.com>
- \* App Engine environment tests.
- \* Documentation re-write.
  
- \* John Krauss <https://github.com/talos>
- \* Clues to debugging problems with `cryptography` dependency in docs
  
- \* Disassem <https://github.com/Disassem>
- \* Fix pool-default headers not applying for url-encoded requests like GET.
  
- \* James Atherfold <jlatherfold@hotmail.com>
- \* Bugfixes relating to cleanup of connections during errors.
  
- \* Christian Pedersen <https://github.com/chripede>
- \* IPv6 HTTPS proxy bugfix
  
- \* Jordan Moldow <https://github.com/jmoldow>
- \* Fix low-level exceptions leaking from ``HTTPResponse.stream()``.
- \* Bugfix for ``ConnectionPool.urlopen(release\_conn=False)``.
- \* Creation of ``HTTPConnectionPool.ResponseCls``.
  
- \* Predrag Gruevski <https://github.com/obi1kenobi>
- \* Made cert digest comparison use a constant-time algorithm.
  
- \* Adam Talsma <https://github.com/a-tal>
- \* Bugfix to ca\_cert file paths.
  
- \* Evan Meagher <https://evanmeagher.net>
- \* Bugfix related to `memoryview` usage in PyOpenSSL adapter
  
- \* John Vandenberg <jayvdb@gmail.com>
- \* Python 2.6 fixes; pyflakes and pep8 compliance
  
- \* Andy Caldwell <andy.m.caldwell@googlemail.com>
- \* Bugfix related to reusing connections in indeterminate states.

- \* Ville Skytt <ville.skytta@iki.fi>
- \* Logging efficiency
- improvements, spelling fixes, Travis config.
  
- \* Shige Takeda <smtakeda@gmail.com>
- \* Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response
  
- \* Jess Shapiro <jesse@jesseshapiro.net>
- \* Various character-encoding fixes/tweaks
- \* Disabling IPv6 DNS when IPv6 connections not supported
  
- \* David Foster <http://dafoster.net/>
- \* Ensure order of request and response headers are preserved.
  
- \* Jeremy Cline <jeremy@jcline.org>
- \* Added connection pool keys by scheme
  
- \* Aviv Palivoda <palaviv@gmail.com>
- \* History list to Retry object.
- \* HTTPResponse contains the last Retry object.
  
- \* Nate Prewitt <nate.prewitt@gmail.com>
- \* Ensure timeouts are not booleans and greater than zero.
- \* Fixed infinite loop in ``stream`` when amt=None.
- \* Added length\_remaining to determine remaining data to be read.
- \* Added enforce\_content\_length to raise exception when incorrect content-length received.
  
- \* Seth Michael Larson <sethmichaellarson@protonmail.com>
- \* Created selectors backport that supports PEP 475.
  
- \* Alexandre Dias <alex.dias@smarkets.com>
- \* Don't retry on timeout if method not in whitelist
  
- \* Moinuddin Quadri <moin18@gmail.com>
- \* Lazily load idna package
  
- \* Tom White <s6yg1ez3@mail2tor.com>
- \* Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.
  
- \* Tim Burke <tim.burke@gmail.com>
- \* Stop buffering entire deflate-encoded responses.
  
- \* Tuukka Mustonen <tuukka.mustonen@gmail.com>
- \* Add counter for status\_forcelist retries.
  
- \* Erik Rose <erik@mozilla.com>
- \* Bugfix to pyopenssl vendoring

- \* Wolfgang Richter <wolfgang.richter@gmail.com>
- \* Bugfix related to loading full certificate chains with PyOpenSSL backend.
  
- \* Mike Miller <github@mikeage.net>
- \* Logging improvements to include the HTTP(S) port when opening a new connection
  
- \* Ioannis Tziakos <mail@itziakos.gr>
- \* Fix ``util.selectors.\_fileobj\_to\_fd`` to accept ``long``.
- \* Update appveyor tox setup to use the 64bit python.
  
- \* Akamai  
(through Jess Shapiro) <jshapiro@akamai.com>
- \* Ongoing maintenance; 2017-2018
  
- \* Dominique Leuenberger <dimstar@opensuse.org>
- \* Minor fixes in the test suite
  
- \* Will Bond <will@wbond.net>
- \* Add Python 2.6 support to ``contrib.securetransport``
  
- \* Aleksei Alekseev <alekseev.yeskela@gmail.com>
- \* using auth info for socks proxy
  
- \* Chris Wilcox <git@crwilcox.com>
- \* Improve contribution guide
- \* Add ``HTTPResponse.geturl`` method to provide ``urllib2.urlopen().geturl()`` behavior
  
- \* Bruce Merry <https://www.brucemerry.org.za>
- \* Fix leaking exceptions when system calls are interrupted with zero timeout
  
- \* Hugo van Kemenade <https://github.com/hugovk>
- \* Drop support for EOL Python 2.6
  
- \* Tim Bell <https://github.com/timb07>
- \* Bugfix for responses with Content-Type: message/\* logging warnings
  
- \* Justin Bramley <https://github.com/jbramleycl>
- \* Add ability to handle multiple Content-Encodings
  
- \* Katsuhiko YOSHIDA <https://github.com/kyoshidajp>
- \* Remove Authorization header  
regardless of case when redirecting to cross-site
  
- \* James Meickle <https://permadeath.com/>
- \* Improve handling of Retry-After header
  
- \* Chris Jerdonek <chris.jerdonek@gmail.com>

\* Remove a spurious TypeError from the exception chain inside  
HTTPConnectionPool.\_make\_request(), also for BaseExceptions.

\* [Your name or handle] <[email or website]>

\* [Brief summary of your changes]

## 1.553 python-six 1.12.0-r0

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# 1.559 libnss-nis 3.1+gitAUTOINC+062f31999b-r0

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jloup@gzip.org      madler@alumni.caltech.edu

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Adler, Mark  
Allbery, Russ  
Anderson, Jamie

Andrew, Nick  
Andric, Dimitry  
Barron, Danny  
Bates, Tom  
Behan, Zdenk  
Bellis, Ray  
Benali, Elias  
Beverly, Jamie  
Boardman, Spider  
Bostley, P.J.  
Bowes, Keith  
Boyce, Keith Garry  
Brantley, Michael  
Braun, Rob  
Bezina, Pavel  
Brooks, Piete  
Brown, Jerry  
Burr, Michael E  
Burton, Ross  
Bussjaeger, Andreas  
Calvin, Gary  
Campbell, Aaron  
Chazelas, Stephane  
Cheloha, Scott  
ek, Vtzslav  
Coleman, Chris  
Corzine, Deven T.  
Cusack, Frank  
Dai, Wei  
Dill, David  
Earickson, Jeff  
Eckhardt, Drew  
Edgington, Ben  
Esipovich, Marc  
Espie, Marc  
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Farrell, Brian  
Fobes, Steve  
Frysinger, Mike  
G., Daniel Richard  
Gailly, Jean-loup  
Gelman, Stephen  
Gerraty, Simon J.  
Graber, Stephane  
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Henke, Joachim  
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Hieb, Dave  
Holloway, Nick  
Hoover, Adam  
Hunter, Michael T.  
Hutchings, Ben  
Irrgang, Eric  
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Janssen, Mark  
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Jover, Guillem  
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Kikuchi, Ayamura  
Kadow, Kevin  
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King, Dale  
King, Michael  
Klyachkin, Andrey  
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Knox, Tim  
Komarnitsky, Alek O.  
Kondrashov, Nikolai  
Kopeek, Daniel  
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Lobbes, Phillip E.  
McIntyre, Jason  
MacKenzie, David J.  
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Marchionna, Michael D.  
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Paul  
Martinian, Emin  
Meskes, Michael  
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Miller, Todd C.  
Minier, Loc  
Moffat, Darren  
Moldung, Jan Thomas  
Morris, Charles

Mueller, Andreas  
Mller, Dworkin  
Nieusma, Jeff  
Nikitser, Peter A.  
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Ouellet, Jean-Philippe  
Paquet, Eric  
Paradis, Chantal  
Pasteleurs, Frederic  
Percival, Ted  
Perera, Andres  
Peron, Christian S.J.  
Peschel, Aaron  
Peslyak, Alexander  
Peterson, Toby  
Petten, Diego Elio  
Pickett, Joel  
Plotnick, Alex  
de Raadt, Theo  
Rasch, Gudleik  
Reid, Steve  
Richards, Matt  
Rossum, Guido van  
Rouillard, John P.  
Rowe, William A., Jr.  
Roy, Alain  
Ruusame, Elan  
Ryabinkin, Eygene  
Sato, Yuichi  
Snchez, Wilfredo  
Sanders, Miguel  
Sasaki, Kan  
Saucier, Jean-Francois  
Schoenfeld, Patrick  
Schuring, Arno  
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Sieger, Nick  
Simon, Thor Lancelot  
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Soulen, Steven  
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Spradling, Cloyce D.  
Stier, Matthew  
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Street, Russell  
Stritzky, Tilo  
Stroucken, Michael  
Tarrall, Robert  
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Wagner, Klaus  
Walsh, Dan  
Warburton, John  
Webb, Kirk  
Wetzel, Timm  
Wieringen, Marco van  
Wilk, Jakub  
Winiger, Gary  
Wood, David  
Zacarias, Gustavo  
Zolnowsky, John

The following people have worked to translate sudo into other languages as part of the Translation Project, see <https://translationproject.org> for more details.

Albuquerque, Pedro  
Blttermann, Mario  
Bogusz, Jakub  
Buo-ren, Lin  
Casagrande, Milo  
Castro, Felipe  
Cho, Seong-ho  
Chornoivan, Yuri  
Diguez, Francisco  
Fontenelle, Rafael  
Garca-Fontes, Walter  
Gezer, Volkan  
Hamasaki, Takeshi  
Hamming, Peter  
Hansen, Joe  
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## 1.564 libedit 20190324-3.1-r0

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# 1.566 libnewt 0.52.21-r0

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# 1.567 thin-provisioning-tools 0.8.5-r0

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### THANKS

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Thanks to Ericsson for funding this work, providing real-life use cases, and testing.

Special thanks to Michel Dagenais and the <http://www.dorsal.polymtl.ca/> [DORSAL laboratory] at cole Polytechnique de Montral for the LTTng journey.  
LTTng UST - Userspace Tracer

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## 1.569 rng-tools 6.7-r0

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## Commands to generate dependency files
GEN_DEPS.c= $(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc= $(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE= -Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so
```

```

## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation
rules
%. $(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%. $(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
| sed "s^\($*\)\.o[ :]*^1.o $@ : /g\" > $@; \
[ -s $@ ] || rm -f $@'

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
| sed "s^\($*\)\.o[ :]*^1.o $@ : /g\" > $@; \
[ -s $@ ] || rm -f $@'

## Versioned libraries rules

%. $(SO).$(SO_TARGET_VERSION_MAJOR): %. $(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%. $(SO): %. $(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}. $(SO).$(SO_TARGET_VERSION) $@

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

```



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To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>  
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Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990  
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That's all there is to it!

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Version 2.1, February 1999

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less

of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the

Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.



d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

### 3. You may opt to apply the terms of the ordinary GNU General Public

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may

distribute the object

code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy

from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally

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Ty Coon, President of Vice

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Thus, it is not the intent of this section to claim rights or contest

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## 1.572 python3-pytz 2019.2-r0

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\* `stdio.c`  
 \* by Mark Gates <[mgates@nlanr.net](mailto:mgates@nlanr.net)>  
 \* and Ajay Tirumalla <[tirumala@ncsa.uiuc.edu](mailto:tirumala@ncsa.uiuc.edu)>

\* -----  
 \* input and output numbers, converting with kilo, mega, giga

\* ----- \*/

=====

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# 1.574 bison 3.4.1-r0

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@item

Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

@item

Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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@subheading END OF TERMS AND CONDITIONS

@page

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```
@end
smallexample
```

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You should also get your employer (if you work as a programmer) or your school, if any, to sign a ``copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

```
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Yoyodyne, Inc., hereby disclaims all copyright interest in the library
`Frob' (a library for tweaking knobs) written by James Random Hacker.
```

```
@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
@end smallexample
```

That's all there is to it!

Files:

```
tests/test-update-copyright.sh
```

Depends-on:

```
configure.ac:
abs_aux_dir=`cd "$ac_aux_dir"; pwd`
AC_SUBST([abs_aux_dir])
```

Makefile.am:

```
TESTS += test-update-copyright.sh
TESTS_ENVIRONMENT += abs_aux_dir='${abs_aux_dir}'
GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007
```

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Description:

Concatenate two arbitrary file names.

Files:

lib/filenamecat.h

lib/filenamecat-lgpl.c

m4/filenamecat.m4

Depends-on:

dirname-lgpl

configure.ac:

gl\_FILE\_NAME\_CONCAT\_LGPL

Makefile.am:

lib\_SOURCES += filenamecat-lgpl.c

Include:

"filenamecat.h"

License:

LGPLv2+

Maintainer:

Jim Meyering

@c The GNU General Public License.

@center Version 2, June 1991

@c This file is intended to be included within another document,

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@center END OF TERMS AND CONDITIONS

@end ifinfo

@page  
@heading Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it

free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the ``copyright" line and a pointer to where the full notice is found.

```
@smallexample
@var{one line to give the program's name
and a brief idea of what it does.}
Copyright (C) @var{yyyy} @var{name of author}
```

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You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.  
@end smallexample

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
@smallexample
Gnomovision version
69, Copyright (C) @var{year} @var{name of author}
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
@end smallexample
```

The hypothetical commands @samp{show w} and @samp{show c} should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than @samp{show w} and @samp{show c}; they could even be mouse-clicks or menu items---whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a ``copyright disclaimer" for the program, if

necessary. Here is a sample; alter the names:

@example

Yoyodyne, Inc., hereby disclaims all copyright interest in the program  
'Gnomovision' (which makes passes at compilers) written by James Hacker.

@var{signature of Ty Coon}, 1 April 1989

Ty Coon, President of Vice

@end example

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consider it more useful to permit linking proprietary applications with the  
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\$Id: COPYING,v 1.3 2006-10-26 16:20:28 eggert Exp \$

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modules/error) state the true license of each file, and when you use  
'gnuilib-tool --lgpl --import <modules>', gnuilib-tool either rewrites  
the files to have an LGPL header as part of copying them from gnuilib  
to your project directory, or fails because the modules you requested  
were not licensed under LGPL.

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doc/standards.texi and make-stds.texi are GFDL. Most (but not all)  
m4/\*.m4 files have nearly unlimited  
licenses.

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Version 3, 29 June 2007

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The precise terms and conditions for copying, distribution and modification follow.

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An interactive user interface displays "Appropriate Legal Notices"

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The

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Copyright (C) <year> <name of author>
```

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the Free Software Foundation, either version 3 of the License, or  
(at your option) any later version.
```

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If the program does terminal interaction, make it output a short

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```
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This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
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```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

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Files:

```
tests/test-canonicalize-lgpl.c  
tests/signature.h  
tests/null-ptr.h  
tests/macros.h
```

Depends-on:

```
ignore-value  
same-inode  
symlink
```

configure.ac:

Makefile.am:

```
TESTS += test-canonicalize-lgpl  
check_PROGRAMS += test-canonicalize-lgpl
```

Description:

Provide the GNU Free Documentation License in Texinfo format.

Files:

```
doc/fdl.texi
```

Depends-on:

configure.ac:

Makefile.am:

Include:

License:

unmodifiable license text

Maintainer:

all

Legal Issues about Contributing Code to GNU last updated 14 July 2015

Project GNU has to be careful to obey copyright laws, even though these laws are wrong when they stop people from sharing generally useful published information such as software, because we are in the public eye. We also use copyright to defend users' freedom, by means of copyleft (though this does not excuse copyright law for helping to make software proprietary).

This means that if you want to contribute software to GNU, you have to do something to give us legal permission to use it. There are three ways this can be done:

\* Assign the copyright to the Free Software Foundation.

This allows the FSF to act to stop violations of the GPL.

\* Keep the copyright and release the program yourself under the GNU GPL. (This alternative is too impractical for contributions to a preexisting FSF-copyrighted GNU program.)

\* Put the code in the public domain. Then there is nothing to stop hoarding of modified versions, but we can still use the program in GNU.

Most of these alternatives require a signed piece of paper, or in some cases a digital signature, to make it happen.

\* Assigning copyright.

Assigning the copyright means signing a contract that makes the Free Software Foundation the "owner" of the program according to the law. As the copyright holder, the Foundation can sue anyone who tries to distribute the program as a proprietary product. We are willing to keep your name on the program as the author for as long as the program remains recognizably distinct. ("Owner" is in quotes to show that we don't really believe in this kind of ownership.)

The assignment contract commits the foundation to setting distribution



terms that permit free redistribution.

Often we don't want to do the work of starting to distribute a program right away. There are many things which we will need in order to have a complete system but which aren't really useful until the rest of the system is done. But signing the assignment does not stop you from distributing the program yourself--as long as you do so under the GNU terms. You don't have to wait for us to start distributing. You can start distributing as soon as you attach our standard copyleft to the files. (Ask for our advice on how to do this.)

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\* Public domain.

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we will probably do this and add our usual copyleft. If we make small changes, we will leave the version we distribute in the public domain.

\* What about your employer?

If you are employed to do programming, or have made an agreement with your employer that says it owns programs you write, we need a signed piece of paper from your employer disclaiming rights to the program. It should be signed by a vice president or general manager of the company. If you can't get at them, it is almost as good to find someone who signs licenses for software that is purchased. Here is a sample wording:

Digital Simulation Corporation hereby disclaims all copyright interest in the program "sample.el" (a program to direct assemblers to make passes at compilers under GNU Emacs) written by Hugh Hacker.

<signature of Mo Ghoul>, 1 April 1987  
Mo Ghoul, President of Vice, Digital Simulation Corp.

The description of what the program does is just to make it clearer what the disclaimer covers.

If  
what you did was change an existing program, it should say this:

...in the changes and enhancements made by Hugh Hacker to the program "sample.el".

\* Did anyone else contribute?

If someone else contributed more than a few lines here or there to the program, then that person too is an author, and that person too needs to sign papers just as you do. So may that person's employer. However, if his contribution is just a fraction of the whole work, it is satisfactory if he disclaims his own rights, even if you are assigning yours. (If just the minor contributors' work goes in the public domain, that doesn't leave much of a loophole for hoarders.)

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Please use your full legal name (in ASCII characters) as the subject line of the message.

-----  
REQUEST: SEND FORM FOR PAST AND FUTURE CHANGES

[What is the name of the program or package you're contributing to?]

[Did you copy any files or text written by someone else in these changes? Even if that material is free software, we need to know about it.]

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[What year were you born?]

[Please write your email address here.]

[Please write your postal address here.]

[Which files have you changed so far, and which new files have you written so far?]

Description:

Help make libraries relocatable, that is, to allow them to function properly when copied to an arbitrary directory.

Files:

doc/relocatable.texi  
lib/relocatable.h  
lib/relocatable.c  
lib/relocatable.valgrind  
m4/relocatable-lib.m4

Depends-on:

strdup

configure.ac:

```
gl_RELOCATABLE_LIBRARY
if test $RELOCATABLE = yes; then
  AC_LIBOBJ([relocatable])
fi
```

Makefile.am:

```
DEFS += -DNO_XMALLOC
```

Include:

```
"relocatable.h"
```

License:

GPLv2+

Maintainer:

Ben Pfaff

The files in this directory describe the gnulib modules.  
The following copyright notice applies to each of these  
description files.

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Description:

Ensure getcwd(NULL, 0) returns a buffer allocated by the malloc() function.

Files:

lib/getcwd-lgpl.c  
m4/getcwd.m4

Depends-on:

unistd  
strdup [test \$REPLACE\_GETCWD = 1]

configure.ac:

```
gl_FUNC_GETCWD_LGPL
if test $REPLACE_GETCWD = 1; then
  AC_LIBOBJ([getcwd-lgpl])
fi
gl_UNISTD_MODULE_INDICATOR([getcwd])
```

Makefile.am:

Include:  
<unistd.h>

License:  
LGPLv2+

Maintainer:  
Eric Blake

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Version 2.1, February 1999

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the version number 2.1.]

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<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice

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```
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it
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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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so far?]

Files:

tests/test-getcwd-lgpl.c

tests/signature.h

tests/macros.h

Depends-on:

configure.ac:

Makefile.am:

TESTS += test-getcwd-lgpl

check\_PROGRAMS += test-getcwd-lgpl

test\_getcwd\_lgpl\_LDADD = \$(LDADD) \$(LIBINTL)

Description:

Locating a program in PATH (LGPLed version).

Files:

lib/findprog.h

lib/findprog.c

lib/findprog-lgpl.c



m4/findprog.m4

m4/eaccess.m4

Depends-on:

stdbool

strdup

concat-filename

unistd

configure.ac:

gl\_FINDPROG

gl\_MODULE\_INDICATOR([findprog-lgpl])

Makefile.am:

lib\_SOURCES += findprog.h findprog.c

Include:

"findprog.h"

License:

GPLv2+

Maintainer:

all

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Description:

realpath, canonicalize\_file\_name: Provide canonical absolute file name

Files:

lib/canonicalize-lgpl.c

m4/canonicalize.m4

m4/double-slash-root.m4

Depends-on:

extensions

stdlib

nocrash

alloca-opt [test \$HAVE\_CANONICALIZE\_FILE\_NAME = 0 || test \$REPLACE\_CANONICALIZE\_FILE\_NAME = 1]

errno [test \$HAVE\_CANONICALIZE\_FILE\_NAME = 0 || test \$REPLACE\_CANONICALIZE\_FILE\_NAME = 1]

lstat [test \$HAVE\_CANONICALIZE\_FILE\_NAME = 0 || test \$REPLACE\_CANONICALIZE\_FILE\_NAME = 1]

malloca [test \$HAVE\_CANONICALIZE\_FILE\_NAME = 0 || test \$REPLACE\_CANONICALIZE\_FILE\_NAME = 1]

memmove [test \$HAVE\_CANONICALIZE\_FILE\_NAME = 0 || test \$REPLACE\_CANONICALIZE\_FILE\_NAME = 1]

pathmax [test \$HAVE\_CANONICALIZE\_FILE\_NAME = 0 || test \$REPLACE\_CANONICALIZE\_FILE\_NAME = 1]

readlink [test \$HAVE\_CANONICALIZE\_FILE\_NAME = 0 || test \$REPLACE\_CANONICALIZE\_FILE\_NAME = 1]

sys\_stat [test \$HAVE\_CANONICALIZE\_FILE\_NAME = 0 || test \$REPLACE\_CANONICALIZE\_FILE\_NAME = 1]

configure.ac:

```
gl_CANONICALIZE_LGPL
if
test $HAVE_CANONICALIZE_FILE_NAME = 0 || test $REPLACE_CANONICALIZE_FILE_NAME = 1; then
AC_LIBOBJ([canonicalize-lgpl])
fi
gl_MODULE_INDICATOR([canonicalize-lgpl])
gl_STDLIB_MODULE_INDICATOR([canonicalize_file_name])
gl_STDLIB_MODULE_INDICATOR([realpath])
```

Makefile.am:

Include:  
<stdlib.h>

License:  
LGPLv2+

Maintainer:  
all  
Description:  
Extract specific portions of filenames.

Files:  
lib/dirname.h  
lib/dirname-lgpl.c  
lib/basename-lgpl.c  
lib/stripslash.c  
m4/dirname.m4

Depends-on:  
dosname  
double-slash-root  
malloc-posix  
stdbool

configure.ac:  
gl\_DIRNAME\_LGPL

Makefile.am:  
lib\_SOURCES += dirname-lgpl.c basename-lgpl.c stripslash.c

Include:  
"dirname.h"

License:  
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Maintainer:

# 1.577 pcsc-lite 1.8.25-r0

## 1.577.1 Available under license :

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- doc/example/pcsc\_demo.c
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## 1.578 smartmontools 7.0-r0

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## 1.579 python-idna 2.8-r0

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```
* /opt/ws_local/PERMITS_SQL/1084376762_1598473689.32/0/idna-2-8-1-tar-gz/idna-2.8/idna.egg-info/PKG-INFO
```

```
* /opt/ws_local/PERMITS_SQL/1084376762_1598473689.32/0/idna-2-8-1-tar-gz/idna-2.8/PKG-INFO
```

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```
"""
```

```
A library to support the Internationalised Domain Names in Applications
(IDNA) protocol as specified in RFC 5890 et.al. This new methodology,
known as IDNA 2008, can generate materially different results to the
previous standard. The library can act as a drop-in replacement for
the "encodings.idna" module.
```

```
"""
```

```
import io, sys
from setuptools import setup
```

```

def main():

    python_version = sys.version_info[:2]
    if python_version < (2,7):
        raise SystemExit("Sorry, Python 2.7 or newer required")

    package_data = {}
    exec(open('idna/package_data.py').read(), package_data)

    arguments = {
        'name': 'idna',
        'packages': ['idna'],
        'version': package_data['__version__'],
        'description': 'Internationalized Domain Names in Applications (IDNA)',
        'long_description': io.open("README.rst", encoding="UTF-8").read(),
        'author': 'Kim Davies',
        'author_email': 'kim@cynosure.com.au',
        'license': 'BSD-like',
        'url': 'https://github.com/kjd/idna',
        'classifiers': [
            'Development Status :: 5 - Production/Stable',
            'Intended Audience :: Developers',
            'Intended Audience :: System Administrators',
            'License :: OSI Approved :: BSD License',
            'Operating System :: OS Independent',
            'Programming Language :: Python',
            'Programming Language :: Python :: 2',
            'Programming Language :: Python :: 2.7',
            'Programming Language :: Python :: 3',
            'Programming Language :: Python :: 3.4',
            'Programming Language :: Python :: 3.5',
            'Programming Language :: Python :: 3.6',
            'Topic :: Internet :: Name Service (DNS)',
            'Topic :: Software Development :: Libraries :: Python Modules',
            'Topic :: Utilities',
        ],
        'python_requires': '>=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*',
        'test_suite': 'tests',
    }

    setup(**arguments)

if __name__ == '__main__':
    main()

```

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## 1.580 grpc 1.24.1-r0

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## 1.587 python3-flask-socketio 3.3.2-r0

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# 1.598 gawk 5.0.1-r0

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## 1.599 pango 1.44.6-r0

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# 1.600 python3-pycparser 2.20-r0

## 1.600.1 Available under license :

pycparser -- A C parser in Python

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## 1.601 numactl

# 2.0.13+gitAUTOINC+5d9f16722e-r0

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# 1.607 less 551-r0

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Version 3, 29 June 2007

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Julian Seward, jseward@bzip.org  
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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DRuntime: Runtime Library for the D Programming Language

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# 1.614 nvme-cli 1.9+gitAUTOINC+977e7d4cf5-r0

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# 1.615 audit 2.8.5-r0

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Nikolay Mladenov (nickm -at- sitius.com) (See Boost list message of Tue, 17 Aug 2004 15:45:33 +0100)

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Stephen Cleary (scleary -at- jerviswebb.com) (See Boost list message of Tue, 28 Sep 2004 13:11:46 +0100)  
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<html>

<head></head>

<body>

<h3>

Copyright Test

</h3>

<p class="copyright">

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<p class="copyright">

2018 Joe Blow, John Coe

</p>

<p class="copyright">

1977, 1985 Someone else

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```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE article PUBLIC "-//Boost//DTD BoostBook XML V1.0//EN"
"http://www.boost.org/tools/boostbook/dtd/boostbook.dtd">
<article id="copyright_test" last-revision="DEBUG MODE Date: 2000/12/20 12:00:00 $"
xmlns:xi="http://www.w3.org/2001/XInclude">
<title>Copyright Test</title>
<articleinfo>
<copyright>
<year>1963</year> <year>1964</year> <year>1965</year> <holder>Jane Doe</holder>
</copyright>
<copyright>
<year>2018</year> <holder>Joe Blow, John Coe</holder>
</copyright>
<copyright>
<year>1977</year> <year>1985</year> <holder>Someone else</holder>
</copyright>
</articleinfo>
</article>
```

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////

[#mpl]

# MPL Support, <boost/mp11/mpl.hpp>

:toc:

:toc-title:

:idprefix:

The header `<boost/mp11/mpl.hpp>`, when included, defines the necessary support infrastructure for `mp_list` and `std::tuple` to be valid link:../../../../libs/mpl[MPL] sequences.

NOTE: `mpl.hpp` is not included by `<boost/mp11.hpp>`.

# 1.617 libdevmapper 2.03.02-r0

## 1.617.1 Available under license :

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<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet version="1.0"

xmlns:xsl="http://www.w3.org/1999/XSL/Transform"

xmlns:xi="http://www.w3.org/2001/XInclude"

xmlns:db="http://docbook.org/ns/docbook">

<xsl:template name="isc.copyright.format">

<xsl:param name="text"/>

<xsl:value-of select="\$isc.copyright.leader"/>

<xsl:value-of select="normalize-space(substring-before(\$text, '&#10;'))"/>



```

<xsl:text>#10;</xsl:text>
<xsl:variable name="rest" select="substring-after($text, '#10;')"/>
<xsl:if test="translate($rest, '#9;#32;', '')">

  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param name="text" select="$rest"/>
  </xsl:call-template>
</xsl:if>
</xsl:template>

<xsl:variable name="isc.copyright.text">
  <xsl:text>
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    License, v. 2.0. If a copy of the MPL was not distributed with this
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  </xsl:text>
</xsl:variable>

<xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param name="text">
      <xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
        <xsl:text>Copyright (C) </xsl:text>
        <xsl:call-template name="copyright.years">
          <xsl:with-param name="years" select="year"/>
        </xsl:call-template>
        <xsl:text> </xsl:text>
        <xsl:value-of select="holder"/>
        <xsl:value-of select="$isc.copyright.breakline"/>
      <xsl:text>#10;</xsl:text>
    </xsl:for-each>
    <xsl:value-of
      select="$isc.copyright.text"/>
  </xsl:with-param>
</xsl:call-template>
</xsl:variable>
</xsl:stylesheet>

<!--
- Local variables:
- mode: sgml
- End:
-->
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```

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```
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# 1.623 perl 5.30.1-r0

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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

That's all there is to it!

# 1.624 libtasn 4.14-r0

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Version 2.1, February 1999

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Version 3, 29 June 2007

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section 10

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# 1.625 compiler 7.1.0-r0

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```
; RUN: llc < %s -mtriple=s390x-linux-gnu -mcpu=zEC12 -verify-machineinstrs | FileCheck %s
;
; Test that early if conversion produces LOCR with operands of the right
; register classes.
```

```
define void @autogen_SD4739(i8*) {
; CHECK-NOT: Expected a GR32Bit register, but got a GRX32Bit register
BB:
    %L34 = load i8, i8* %0
    %Cmp56 = icmp sgt i8 undef, %L34
    br label %CF246

CF246:                                ; preds = %CF246, %BB
    %S1163 = select i1 %Cmp56, i8 %L34, i8 undef
    br i1 undef, label %CF246, label %CF248

CF248:                                ; preds = %CF248, %CF246
    store i8 %S1163, i8* %0
    br label %CF248
}
```

```
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\*/

; RUN: llc -march=hexagon < %s

; REQUIRES: asserts

; The two loads based on %struct.0, loading two different data types

; cause LSR to assume type "void" for the memory type. This would then

; cause an assert in isLegalAddressingMode. Make sure we no longer crash.

target triple = "hexagon"

```

%struct.0 = type { i8*, i8, %union.anon.0 }
%union.anon.0 = type { i8* }

define hidden fastcc void @fred() unnamed_addr #0 {
entry:
br i1 undef, label %while.end, label %while.body.lr.ph

while.body.lr.ph:
; preds = %entry
br label %while.body

while.body:
; preds = %exit.2, %while.body.lr.ph
%lshr.iv = phi %struct.0* [ %cgep22, %exit.2 ], [ undef, %while.body.lr.ph ]
switch i32 undef, label %exit [
i32 1, label %sw.bb.i
i32 2, label %sw.bb3.i
]

sw.bb.i:
; preds = %while.body
unreachable

sw.bb3.i:
; preds = %while.body
unreachable

exit:
; preds = %while.body
switch i32 undef, label %exit.2 [
i32 1, label %sw.bb.i17
i32 2, label %sw.bb3.i20
]

sw.bb.i17:
; preds = %exit
%0 = bitcast %struct.0* %lshr.iv to i32*
%1 = load i32, i32* %0, align 4
unreachable

sw.bb3.i20:
; preds = %exit
%2 = bitcast %struct.0* %lshr.iv to i8**
%3 = load i8*, i8** %2, align 4
unreachable

exit.2:
; preds = %exit
%cgep22 = getelementptr %struct.0, %struct.0* %lshr.iv, i32 1
br label %while.body

while.end:
; preds = %entry
ret void
}

```

```

attributes #0 = { nounwind optsize "target-cpu"="hexagonv55" }
; RUN: llc -mtriple=aarch64-apple-ios %s -o - | FileCheck %s

define <16 x double> @test_sitofp_fixed(<16 x i32> %in) {
; CHECK-LABEL: test_sitofp_fixed:

; First, extend each i32 to i64
; CHECK-DAG: sshll2.2d [[BLOCK0_HI:v[0-9]+]], v0, #0
; CHECK-DAG: sshll2.2d [[BLOCK1_HI:v[0-9]+]], v1, #0
; CHECK-DAG: sshll2.2d [[BLOCK2_HI:v[0-9]+]], v2, #0
; CHECK-DAG: sshll2.2d [[BLOCK3_HI:v[0-9]+]], v3, #0
; CHECK-DAG: sshll.2d [[BLOCK0_LO:v[0-9]+]], v0, #0
; CHECK-DAG: sshll.2d [[BLOCK1_LO:v[0-9]+]], v1, #0
; CHECK-DAG: sshll.2d [[BLOCK2_LO:v[0-9]+]], v2, #0
; CHECK-DAG: sshll.2d [[BLOCK3_LO:v[0-9]+]], v3, #0

; Next, convert each to double.
; CHECK-DAG: scvtf.2d v0, [[BLOCK0_LO]]
; CHECK-DAG: scvtf.2d v1, [[BLOCK0_HI]]
; CHECK-DAG: scvtf.2d v2, [[BLOCK1_LO]]
; CHECK-DAG: scvtf.2d v3, [[BLOCK1_HI]]
; CHECK-DAG: scvtf.2d v4, [[BLOCK2_LO]]
; CHECK-DAG: scvtf.2d v5, [[BLOCK2_HI]]
; CHECK-DAG: scvtf.2d v6, [[BLOCK3_LO]]
; CHECK-DAG: scvtf.2d v7, [[BLOCK3_HI]]

; CHECK: ret
%flt = sitofp <16 x i32>
%in to <16 x double>
%res = fdiv <16 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0,
double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0,
double 64.0>
ret <16 x double> %res
}

; This one is small enough to satisfy isSimple, but still illegally large.
define <4 x double> @test_sitofp_fixed_shortish(<4 x i64> %in) {
; CHECK-LABEL: test_sitofp_fixed_shortish:

; CHECK-DAG: scvtf.2d v0, v0
; CHECK-DAG: scvtf.2d v1, v1

; CHECK: ret
%flt = sitofp <4 x i64> %in to <4 x double>
%res = fdiv <4 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0>
ret <4 x double> %res
}

```

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  llvmHost
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  llvmSymbol
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LINK_COMPONENTS
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  Support
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; RUN: llc < %s -mtriple=x86\_64-linux-android -mattr=+mmx -enable-legalize-types-checking | FileCheck %s  
;  
; D31946  
; Check that we dont end up with the ""LLVM ERROR: Cannot select" error.  
; Additionally ensure that the output code actually put fp128 values in SSE registers.

```
declare fp128 @llvm.fabs.f128(fp128)
declare fp128 @llvm.copysign.f128(fp128, fp128)

define fp128 @TestSelect(fp128 %a, fp128 %b) {
    %cmp = fcmp ogt fp128 %a, %b
    %sub = fsub fp128 %a, %b
    %res = select i1 %cmp, fp128 %sub, fp128 0xL00000000000000000000000000000000
```

```

ret fp128 %res
; CHECK-LABEL: TestSelect:
; CHECK    movaps 16(%rsp), %xmm1
; CHECK-NEXT callq __subtf3
; CHECK-NEXT testl %ebx, %ebx
; CHECK-NEXT jg .LBB0_2
; CHECK-NEXT # %bb.1:
; CHECK-NEXT movaps .LCPI0_0(%rip), %xmm0
; CHECK-NEXT .LBB0_2:
; CHECK-NEXT addq $32, %rsp
; CHECK-NEXT popq %rbx
; CHECK-NEXT retq
}

define fp128 @TestFabs(fp128 %a) {
%res = call fp128 @llvm.fabs.f128(fp128 %a)
ret fp128 %res
; CHECK-LABEL: TestFabs:
;
CHECK    andps .LCPI1_0(%rip), %xmm0
; CHECK-NEXT retq
}

define fp128 @TestCopysign(fp128 %a, fp128 %b) {
%res = call fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
ret fp128 %res
; CHECK-LABEL: TestCopysign:
; CHECK    andps .LCPI2_1(%rip), %xmm0
; CHECK-NEXT orps %xmm1, %xmm0
; CHECK-NEXT retq
}

define fp128 @TestFneg(fp128 %a) {
%mul = fmul fp128 %a, %a
%res = fsub fp128 0xL00000000000000008000000000000000, %mul
ret fp128 %res
; CHECK-LABEL: TestFneg:
; CHECK    movaps %xmm0, %xmm1
; CHECK-NEXT callq __multf3
; CHECK-NEXT xorps .LCPI3_0(%rip), %xmm0
; CHECK-NEXT popq %rax
; CHECK-NEXT retq
}

```

## 1.626 trace-cmd 2.8.3-r0

## 1.626.1 Available under license :

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Version 2.1, February 1999

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```
<one line to give the program's name and a brief idea of what it does.>  
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```

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when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show  
w' and `show c' should show the appropriate  
parts of the General Public License. Of course, the commands you use may  
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mouse-clicks or menu items--whatever suits your program.

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```
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`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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## 1.629 python3-pygobject 3.34.0-r0

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free



library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated

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c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the

application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves,

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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any

executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse

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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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b) Accompany

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## 1.632 libyaml 0.2.2-r0

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## 1.633 btrfs-tools 5.2.2-r0

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Version 3, 29 June 2007

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2006-Jan-27

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.gitignore
#
builds/unix/pkg.m4
#
docs/FTL.TXT
docs/GPLv2.TXT
#
include/freetype/internal/fthash.h
#
src/base/fthash.c
src/base/md5.c
src/base/md5.h
#
src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h
src/bdf/bdferror.h
src/bdf/bdflib.c
src/bdf/module.mk
src/bdf/README
src/bdf/rules.mk
#
src/pcf/module.mk
src/pcf/pcf.c
src/pcf/pcf.h
src/pcf/pcfdrivr.c
src/pcf/pcfdrivr.h
src/pcf/pcferror.h
src/pcf/pcfread.c
src/pcf/pcfread.h
src/pcf/pcfutil.c
src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/infblock.c
```

```
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/inftutil.c
src/gzip/inftutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
#
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Written by: Philip Hazel

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## 1.637 python3-pathlib 2.3.4-r0

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## 1.639 python3-iso8601 0.1.12-r0

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This file will eventually be deleted: The general info will go into the documentation, and info on specific files will go into an AUTHORS file, as requested by the FSF.

+++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith

Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using

patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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```
@smallexample
@group
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Free Documentation License".
@end group
@end smallexample
```

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the ``with@dots{ }Texts." line with this:

```
@smallexample
@group
  with the Invariant Sections being @var{list their titles}, with
  the Front-Cover
  Texts being @var{list}, and with the Back-Cover Texts
  being @var{list}.
@end group
@end smallexample
```

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

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```
@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:
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Version 2, June 1991
```

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

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For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

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Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

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c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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<one line to give the library's name and a brief idea of what it does.>

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<signature of Ty Coon>, 1 April 1990  
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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves,

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License.

Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any

executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the

user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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section 10

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```
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```

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@ignore

@c Set file name and title for man page.

@setfilename gpl

@settitle GNU General Public License

@c man begin SEEALSO

gfdl(7), fsf-funding(7).

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@end smallexample

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If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

```
@smallexample
@var{program} Copyright (C) @var{year} @var{name of author}
This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}.
This is free software, and you are welcome to redistribute it
under certain conditions; type @samp{show c} for details.
@end smallexample
```

The hypothetical commands `@samp{show w}` and `@samp{show c}` should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an ```about box''`.

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@c man end

# 1.647 python3-bcrypt 3.1.4-r0

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## 1.648 python3-pluggy 0.13.0-r0

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# 1.652 python 2.7.18-r0

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

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| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
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## 1.653 protobuf 3.9.2-r0

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\* Added atomicops for Solaris  
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\* Fixed minor IBM xLC compiler build issues  
\* Added atomicops for AIX (POWER)  
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## 4.3+gitrAUTOINC+f95864afe8-r0

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- \* Frodo Looijaard  
Original author of libsensors, sensors-detect, sensors and isadump.
- \* Merlin Hughes  
Original author of sensord.
- \* Bob Schlaermann  
Dynamic chip feature detection (a.k.a. generic chip support) in

libsensors and sensors.

\* Mark M. Hoffman

Many improvements to the libsensors configuration file scanner.

\* Jean Delvare

New libsensors API, and migration of sensors and sensor thereto.

Many optimizations in libsensors and sensors.

Configuration file converter.

Rewrite of sensors-detect.

Support for multiple configuration files in libsensors.

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Upstream-Name: liblz4

Upstream-Contact: Yann Collet <Cyan4973@github.com>

Source: <https://github.com/lz4/lz4>

Files: \*

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# 1.665 python-cryptography-vectors 2.7-r0

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# 1.666 python3-multidict 4.7.5-r0

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# 1.667 tar 1.32-r0

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its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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# 1.672 tcp-wrappers 7.6-r10

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## 1.673 libsodium 1.0.18-r0

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## 1.674 elfutils 0.178-r0

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```
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This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
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under certain conditions; type `show c' for details.
```

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## 1.675 python3-click 7.1.1-r0

### 1.675.1 Available under license :

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Metadata-Version: 1.2

Name: click

Version: 7.1.1

Summary: Composable command line interface toolkit

Home-page: <https://palletsprojects.com/p/click/>

Maintainer: Pallets

Maintainer-email: [contact@palletsprojects.com](mailto:contact@palletsprojects.com)

License: BSD-3-Clause

Project-URL: Documentation, <https://click.palletsprojects.com/>

Project-URL: Code, <https://github.com/pallets/click>

Project-URL: Issue tracker, <https://github.com/pallets/click/issues>

Description: \[extract\_itex] click\\_

=====

Click is a Python package for creating beautiful command line interfaces in a composable way with as little code as necessary. It's the "Command Line Interface Creation Kit". It's highly configurable but comes with sensible defaults out of the box.

It aims to make the process of writing command line tools quick and fun while also preventing any frustration caused by the inability to implement an intended CLI API.

Click in three points:

- Arbitrary nesting of commands
- Automatic help page generation

- Supports lazy loading of subcommands at runtime

## Installing

-----

Install and update using `pip`:

.. code-block:: text

```
$ pip install -U click
```

.. \_pip: <https://pip.pypa.io/en/stable/quickstart/>

## A Simple Example

-----

.. code-block:: python

```
import click

@click.command()
@click.option("--count", default=1, help="Number of greetings.")
@click.option("--name", prompt="Your name", help="The person to greet.")
def hello(count, name):
    """Simple program that greets NAME for a total of COUNT times."""
    for _ in range(count):
        click.echo(f"Hello,
{name}!")

if __name__ == '__main__':
    hello()
```

.. code-block:: text

```
$ python hello.py --count=3
Your name: Click
Hello, Click!
Hello, Click!
Hello, Click!
```

## Donate

-----

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allow the maintainers to devote more time to the projects, `please donate today`\_.

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## Links

-----

- Website: <https://palletsprojects.com/p/click/>
- Documentation: <https://click.palletsprojects.com/>
- Releases: <https://pypi.org/project/click/>
- Code: <https://github.com/pallets/click>
- Issue tracker: <https://github.com/pallets/click/issues>
- Test status: [https://dev.azure.com/pallets/click/\\_build](https://dev.azure.com/pallets/click/_build)
- Official chat: <https://discord.gg/t6rrQZH>

Platform: UNKNOWN

Classifier: Development Status :: 5 - Production/Stable

Classifier: Intended Audience :: Developers

Classifier: License :: OSI Approved :: BSD License

Classifier: Operating System :: OS Independent

Classifier: Programming Language :: Python

Classifier: Programming Language :: Python :: 2

Classifier: Programming Language :: Python :: 3

Requires-Python: >=2.7, !=3.0.\*, !=3.1.\*, !=3.2.\*, !=3.3.\*, !=3.4.\*

Found in path(s):

\* /opt/cola/permits/1123974516\_1612299586.33/0/click-7-1-1-tar-gz/click-7.1.1/PKG-INFO

\* /opt/cola/permits/1123974516\_1612299586.33/0/click-7-1-1-tar-gz/click-7.1.1/src/click.egg-info/PKG-INFO

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# binary only, patch it back to the system, and then use a wrapper

Found in path(s):

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import io

import re



```

from setuptools import find_packages
from setuptools import setup

with io.open("README.rst", "rt", encoding="utf8") as f:
    readme = f.read()

with io.open("src/click/__init__.py", "rt", encoding="utf8") as f:
    version = re.search(r'__version__ = "(.*?)"', f.read()).group(1)

setup(
    name="click",
    version=version,
    url="https://palletsprojects.com/p/click/",
    project_urls={
        "Documentation": "https://click.palletsprojects.com/",
        "Code": "https://github.com/pallets/click",
        "Issue tracker": "https://github.com/pallets/click/issues",
    },
    license="BSD-3-Clause",
    maintainer="Pallets",
    maintainer_email="contact@palletsprojects.com",
    description="Composable command line interface toolkit",
    long_description=readme,
    packages=find_packages("src"),
    package_dir={"": "src"},
    include_package_data=True,
    python_requires=">=2.7, !=3.0.*,
!=3.1.*, !=3.2.*, !=3.3.*, !=3.4.*",
    classifiers=[
        "Development Status :: 5 - Production/Stable",
        "Intended Audience :: Developers",
        "License :: OSI Approved :: BSD License",
        "Operating System :: OS Independent",
        "Programming Language :: Python",
        "Programming Language :: Python :: 2",
        "Programming Language :: Python :: 3",
    ],
)

```

Found in path(s):

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.. \_contrib:

```

=====
click-contrib
=====

```

As the userbase of Click grows, more and more major feature requests pop up in Click's bugtracker. As reasonable as it may be for those features to be bundled with Click instead of being a standalone project, many of those requested features are either highly experimental or have unproven practical use, while potentially being a burden to maintain.

This is why `click-contrib` exists. The GitHub organization is a collection of possibly experimental third-party packages whose featureset does not belong into Click, but also a playground for major features that may be added to Click in the future. It is also meant to coordinate and concentrate effort on writing third-party extensions for Click, and to ease the effort of searching for such extensions. In that sense it could be described as a low-maintenance alternative to extension repositories of other frameworks.

Please

note that the quality and stability of those packages may be different than what you expect from Click itself. While published under a common organization, they are still projects separate from Click.

.. `_click-contrib`: <https://github.com/click-contrib/>

Found in path(s):

\* `/opt/cola/permits/1123974516_1612299586.33/0/click-7-1-1-tar-gz/click-7.1.1/docs/contrib.rst`

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\* `/opt/cola/permits/1123974516_1612299586.33/0/click-7-1-1-tar-gz/click-7.1.1/tests/test_formatting.py`

# 1.676 python-dbus 1.2.12-r0

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## 1.678 python-pytz 2019.2-r0

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Python was created in the early 1990s by Guido van Rossum at Stichting  
Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands  
as a successor of a language called ABC. Guido remains Python's  
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for  
National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>)  
in Reston, Virginia where he released several versions of the  
software.

In May 2000, Guido and the Python core development team moved to

BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2 and above  | 2.1.1        | 2001-now  | PSF        | yes                 |

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```

The hypothetical

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```
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Mark Lord (mlord@pobox.com)



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The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a ``work based on the library" and a ``work that uses the library". The former

contains code derived from the library, whereas the latter must be combined with the library in order to run.

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@end enumerate

@subheading END OF TERMS AND CONDITIONS

@page

@subheading How to Apply These Terms to Your New Libraries

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@var{one line to give the library's name and an idea of what it does.}

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<signature of Ty Coon>, 1 April 1989

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# 1.690 python3-importlib-metadata 0.23-r0

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```
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```
<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice
```

That's all there is to it!

## 1.693 python-more-itertools 5.0.0-r0

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@end smallexample
```

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the ``with@dots{ }Texts." line with this:

```
@smallexample
@group
  with the Invariant Sections being @var{list their titles}, with
  the Front-Cover
  Texts being @var{list}, and with the Back-Cover Texts
  being @var{list}.
@end group
@end smallexample
```

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

```
@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:
GNU LIBRARY GENERAL PUBLIC LICENSE
Version 2, June 1991
```

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

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For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

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Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

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c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or

collective works based on the Library.

In addition,

mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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This option is useful when you wish to copy part of the code of the

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the

library". The executable is therefore covered by this License.  
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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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Library will not necessarily be able to recompile the application to use the modified definitions.)

- b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
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<one line to give the library's name and a brief idea of what it does.>

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<signature of Ty Coon>, 1 April 1990  
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For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves,

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.



If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any

executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the

user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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The

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```
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@var{one line to give the program's name and a brief idea of what it does.}
Copyright (C) @var{year} @var{name of author}
```

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```
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should have received a copy of the GNU General Public License
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@end smallexample
```

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

```
@smallexample
@var{program} Copyright (C) @var{year} @var{name of author}
This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}.
This is free software, and you are welcome to redistribute it
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```

The hypothetical commands @samp{show w} and @samp{show c} should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an ``about box".

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@c man end

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Version 2, June 1991

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# 1.700 python-chardet 3.0.4-r0

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## 1.702 python3-pyparsing 2.4.2-r0

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# 1.703 libcxx 7.1.0-r0

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```
; RUN: llc < %s -mtriple=s390x-linux-gnu -mcpu=zEC12 -verify-machineinstrs | FileCheck %s
;
; Test that early if conversion produces LOCR with operands of the right
; register classes.
```

```
define void @autogen_SD4739(i8*) {
; CHECK-NOT: Expected a GR32Bit register, but got a GRX32Bit register
BB:
  %L34 = load i8, i8* %0
  %Cmp56 = icmp sgt i8 undef, %L34
  br label %CF246
```

```
CF246:                                ; preds = %CF246, %BB
  %S1163 = select i1 %Cmp56, i8 %L34, i8 undef
  br i1 undef, label %CF246, label %CF248
```

```
CF248:                                ; preds = %CF248, %CF246
  store i8 %S1163, i8* %0
  br label %CF248
}
```

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\*/

; RUN: llc -march=hexagon < %s

; REQUIRES: asserts

; The two loads based on %struct.0, loading two different data types

; cause LSR to assume type "void" for the memory type. This would then

; cause an assert in isLegalAddressingMode. Make sure we no longer crash.

target triple = "hexagon"

%struct.0 = type { i8\*, i8, %union.anon.0 }

%union.anon.0 = type { i8\* }

define hidden fastcc void @fred() unnamed\_addr #0 {

entry:

br i1 undef, label %while.end, label %while.body.lr.ph

while.body.lr.ph: ; preds = %entry



```
br label %while.body
```

```
while.body:                                ; preds = %exit.2, %while.body.lr.ph  
%lshr.iv = phi %struct.0* [ %cgep22, %exit.2 ], [ undef, %while.body.lr.ph ]  
switch i32 undef, label %exit [          ; preds = %while.body  
  i32 1, label %sw.bb.i  
  i32 2, label %sw.bb3.i  
]
```

```
sw.bb.i:                                    ; preds = %while.body  
unreachable
```

```
sw.bb3.i:                                   ; preds = %while.body  
unreachable
```

```
exit:                                       ; preds = %while.body  
switch i32 undef, label %exit.2 [        ; preds = %while.body  
  i32 1, label %sw.bb.i17  
  i32 2, label %sw.bb3.i20  
]
```

```
sw.bb.i17:                                 ; preds = %exit  
%0 = bitcast %struct.0* %lshr.iv to i32*  
%1 = load i32, i32* %0, align 4  
unreachable
```

```
sw.bb3.i20:                                ; preds = %exit  
%2 = bitcast %struct.0* %lshr.iv to i8**  
%3 = load i8*, i8** %2, align 4  
unreachable
```

```
exit.2:                                    ; preds = %exit  
%cgep22 = getelementptr %struct.0, %struct.0* %lshr.iv, i32 1  
br label %while.body
```

```
while.end:                                 ; preds = %entry  
ret void  
}
```

```
attributes #0 = { nounwind optsize "target-cpu"="hexagonv55" }  
; RUN: llc -mtriple=aarch64-apple-ios %s -o - | FileCheck %s
```

```
define <16 x double> @test_sitofp_fixed(<16 x i32> %in) {  
; CHECK-LABEL: test_sitofp_fixed:
```

```
; First, extend each i32 to i64  
; CHECK-DAG: sshll2.2d [[BLOCK0_HI:v[0-9]+]], v0, #0
```

```

; CHECK-DAG: sshll2.2d [[BLOCK1_HI:v[0-9]+]], v1, #0
; CHECK-DAG: sshll2.2d [[BLOCK2_HI:v[0-9]+]], v2, #0
; CHECK-DAG: sshll2.2d [[BLOCK3_HI:v[0-9]+]], v3, #0
; CHECK-DAG: sshll.2d [[BLOCK0_LO:v[0-9]+]], v0, #0
; CHECK-DAG: sshll.2d [[BLOCK1_LO:v[0-9]+]], v1, #0
; CHECK-DAG: sshll.2d [[BLOCK2_LO:v[0-9]+]], v2, #0
; CHECK-DAG: sshll.2d [[BLOCK3_LO:v[0-9]+]], v3, #0

; Next, convert each to double.
; CHECK-DAG: scvtf.2d v0, [[BLOCK0_LO]]
; CHECK-DAG: scvtf.2d v1, [[BLOCK0_HI]]
; CHECK-DAG: scvtf.2d v2, [[BLOCK1_LO]]
; CHECK-DAG: scvtf.2d v3, [[BLOCK1_HI]]
; CHECK-DAG: scvtf.2d v4, [[BLOCK2_LO]]
; CHECK-DAG: scvtf.2d v5, [[BLOCK2_HI]]
; CHECK-DAG: scvtf.2d v6, [[BLOCK3_LO]]
; CHECK-DAG: scvtf.2d v7, [[BLOCK3_HI]]

; CHECK: ret
%flt = sitofp <16 x i32>
%in to <16 x double>
%res = fdiv <16 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0,
double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0,
double 64.0>
ret <16 x double> %res
}

; This one is small enough to satisfy isSimple, but still illegally large.
define <4 x double> @test_sitofp_fixed_shortish(<4 x i64> %in) {
; CHECK-LABEL: test_sitofp_fixed_shortish:

; CHECK-DAG: scvtf.2d v0, v0
; CHECK-DAG: scvtf.2d v1, v1

; CHECK: ret
%flt = sitofp <4 x i64> %in to <4 x double>
%res = fdiv <4 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0>
ret <4 x double> %res
}

```

```

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LINK_COMPONENTS
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  Support
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 ; RUN: llc < %s -mtriple=x86\_64-linux-android -mattr=+mmx -enable-legalize-types-checking | FileCheck %s  
 ;  
 ; D31946  
 ; Check that we dont end up with the ""LLVM ERROR: Cannot select" error.  
 ; Additionally ensure that the output code actually put fp128 values in SSE registers.

```

declare fp128 @llvm.fabs.f128(fp128)
declare fp128 @llvm.copysign.f128(fp128, fp128)

define fp128 @TestSelect(fp128 %a, fp128 %b) {
  %cmp = fcmp ogt fp128 %a, %b
  %sub = fsub fp128 %a, %b
  %res = select i1 %cmp, fp128 %sub, fp128 0xL00000000000000000000000000000000
  ret fp128 %res
; CHECK-LABEL: TestSelect:
; CHECK      movaps 16(%rsp), %xmm1
; CHECK-NEXT  callq __subtf3
; CHECK-NEXT  testl %ebx, %ebx
; CHECK-NEXT  jg .LBB0_2
; CHECK-NEXT # %bb.1:
; CHECK-NEXT  movaps .LCPI0_0(%rip), %xmm0

```

```

; CHECK-NEXT .LBB0_2:
; CHECK-NEXT addq $32, %rsp
; CHECK-NEXT popq %rbx
; CHECK-NEXT retq
}

define fp128 @TestFabs(fp128 %a) {
    %res = call fp128 @llvm.fabs.f128(fp128 %a)
    ret fp128 %res
; CHECK-LABEL: TestFabs:
;
CHECK    andps .LCPI1_0(%rip), %xmm0
; CHECK-NEXT retq
}

define fp128 @TestCopysign(fp128 %a, fp128 %b) {
    %res = call fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
    ret fp128 %res
; CHECK-LABEL: TestCopysign:
; CHECK    andps .LCPI2_1(%rip), %xmm0
; CHECK-NEXT orps %xmm1, %xmm0
; CHECK-NEXT retq
}

define fp128 @TestFneg(fp128 %a) {
    %mul = fmul fp128 %a, %a
    %res = fsub fp128 0xL00000000000000008000000000000000, %mul
    ret fp128 %res
; CHECK-LABEL: TestFneg:
; CHECK    movaps %xmm0, %xmm1
; CHECK-NEXT callq __multf3
; CHECK-NEXT xorps .LCPI3_0(%rip), %xmm0
; CHECK-NEXT popq %rax
; CHECK-NEXT retq
}

```

## 1.704 busybox 1.31.0-r0

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[jseward@bzip.org](mailto:jseward@bzip.org)

bzip2/libbzip2 version 1.0.4 of 20 December 2006

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# 1.705 mpfr 4.0.2-r0

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#### RECORD

Carriage\_Control carriage\_return  
Format stream\_lf

## 1.708 ptest-runner

## 2.3.2+gitAUTOINC+7015e9199c-r0

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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# 1.710 gnutls 3.6.13-r0

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library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice

That's all there is to it!  
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## Constant-time SSSE3 AES core implementation.  
## version 0.1  
##  
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Iperf performance test

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## 1.712 liburcu 0.11.1-r0

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That's all there is to it!  
Mathieu Desnoyers  
May 13th, 2009

IBM Corporation allowed LGPLv2.1+ licensing of their contribution to the userspace RCU library in a patch submitted on May 8, 2009 from Paul E. McKenney and reviewed by Steven L. Bennett:

<https://lists.lttng.org/pipermail/lttng-dev/2009-May/012835.html>

I (Mathieu Desnoyers) re-implemented ACCESS\_ONCE(), likely(), unlikely() and barrier() from scratch without reference to the original code.

commit id : 2dc5fa0f7cfbfb0a64a7a67b39626650e863f16a



Bert Wesarg <bert.wesarg@googlemail.com> approved LGPL relicensing of his patch in an email dated May 13, 2009 :

<http://lkml.org/lkml/2009/5/13/16>

xchg() primitives has been rewritten from a MIT-licensed cmpxchg for Intel and powerpc. They are MIT-licensed and therefore usable in LGPL code. This cmpxchg code was obtained from the atomic\_ops project:

[http://www.hpl.hp.com/research/linux/atomic\\_ops/](http://www.hpl.hp.com/research/linux/atomic_ops/)

I (Mathieu Desnoyers) wrote the remainder of the code.

The license for the library files in this project was therefore changed to LGPLv2.1 on May 13, 2009, as detailed in LICENSE.

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David Gibson <david@gibson.dropbear.id.au>

(principal original author of dtc and libfdt)

2 November 2007

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#### Key Dates

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\* August 3, 2017

Update the TianoCore Contribution Agreement from Version 1.0 to Version 1.1 to cover open source documentation associated with the TianoCore project.

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=====  
= Code Contributions =  
=====

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1. Create a change description in the format specified below to use in the source control commit log.
2. Your commit message must include your "Signed-off-by" signature, and "Contributed-under" message.
3. Your "Contributed-under" message explicitly states that the contribution is made under the terms of the specified contribution agreement. Your "Contributed-under" message must include the name of contribution agreement and version.  
For example: Contributed-under: TianoCore Contribution Agreement 1.1  
The "TianoCore Contribution Agreement" is included below in this document.
4. Submit your code to the TianoCore project using the process that the project documents on its web page. If the process is not documented, then submit the code on development email list for the project.
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=====  
= Change Description / Commit Message / Patch Email =  
=====

Your change description should use the standard format for a commit message, and must include your "Signed-off-by" signature and the "Contributed-under" message.

== Sample Change Description / Commit Message ==

=== Start of sample patch email message ===

From: Contributor Name <contributor@example.com>

Subject: [Repository/Branch PATCH] Module: Brief-single-line-summary

Full-commit-message

Contributed-under: TianoCore Contribution Agreement 1.1

Signed-off-by: Contributor Name <contributor@example.com>

---

An extra message for the patch email which will not be considered part of the commit message can be added here.

Patch content inline or attached

=== End of sample patch email message ===

=== Notes for sample patch email ===

\* The first line of commit message is taken from the email's subject line following [Repository/Branch PATCH]. The remaining portion of the

commit message is the email's content until the '---' line.

\* git format-patch is one way to create this format

==== Definitions for sample patch email ====

- \* "Repository" is the identifier of the repository the patch applies. This identifier should only be provided for repositories other than 'edk2'. For example 'edk2-BuildSpecification' or 'staging'.
- \* "Branch" is the identifier of the branch the patch applies. This identifier should only be provided for branches other than 'edk2/master'. For example 'edk2/UDK2015', 'edk2-BuildSpecification/release/1.27', or 'staging/edk2-test'.
- \* "Module" is a short identifier for the affected code or documentation. For example 'MdePkg', 'MdeModulePkg/UsbBusDxe', 'Introduction', or 'EDK II INF File Format'.
- \* "Brief-single-line-summary" is a short summary of the change.
- \* The entire first line should be less than ~70 characters.
- \* "Full-commit-message" a verbose multiple line comment describing the change. Each line should be less than ~70 characters.
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-----  
-----  
Contributions.txt: TianoCore Contribution Agreement 1.0  
-----

=====  
  
= Code Contributions =  
=====

To make a contribution to a TianoCore project, follow these steps.

1. Create a change description in the format specified below to use in the source control commit log.
2. Your commit message must include your "Signed-off-by" signature, and "Contributed-under" message.
3. Your "Contributed-under" message explicitly states that the contribution is made under the terms of the specified contribution agreement. Your "Contributed-under" message must include the name of contribution agreement and version. For example: Contributed-under: TianoCore Contribution Agreement 1.0 The "TianoCore Contribution Agreement" is included below in this document.
4. Submit your code to the TianoCore project using the process that the project documents on its web page. If the process is not documented, then submit the code on development email list



for the project.

5. It is preferred that contributions are submitted using the same copyright license as the base project. When that is not possible, then contributions using the following licenses can be accepted:

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- \* Python-2.0: <http://opensource.org/licenses/Python-2.0>
- \* Zlib: <http://opensource.org/licenses/Zlib>

Contributions of code put into the public domain can also be accepted.

Contributions using other licenses might be accepted, but further review will be required.

=====  
= Change Description / Commit Message / Patch Email =  
=====

Your change description should use the standard format for a commit message, and must include your "Signed-off-by" signature and the "Contributed-under" message.

== Sample Change Description / Commit Message =

=== Start of sample patch email message ===

From: Contributor Name <contributor@example.com>  
Subject: [PATCH] CodeModule: Brief-single-line-summary

Full-commit-message

Contributed-under: TianoCore Contribution Agreement 1.0  
Signed-off-by: Contributor Name <contributor@example.com>

---

An extra message for the patch email which will not be considered part of the commit message can be added here.

Patch content inline or attached

=== End of sample patch email message ===

=== Notes for sample patch email ===

\* The first line of commit message is taken from the email's subject

line following [PATCH]. The remaining portion of the commit message is the email's content until the '---' line.

\* git format-patch is one way to create this format

=== Definitions for sample patch email ===

- \* "CodeModule" is a short identifier for the affected code. For example MdePkg, or MdeModulePkg UsbBusDxe.
- \* "Brief-single-line-summary" is a short summary of the change.
- \* The entire first line should be less than ~70 characters.
- \* "Full-commit-message" a verbose multiple line comment describing the change. Each line should be less than ~70 characters.
- \* "Contributed-under" explicitly states that the contribution is made under the terms of the contribution agreement. This agreement is included below in this document.
- \* "Signed-off-by" is the contributor's signature identifying them by their real/legal name and their email address.

=====  
= TianoCore Contribution Agreement 1.0 =  
=====

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Index: debug.c

=====  
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/debug.c,v

retrieving revision 1.1

retrieving revision 1.3

diff -u -u -r1.1 -r1.3

--- debug.c 7 Sep 2007 10:01:21 -0000 1.1

+++ debug.c 15 Jan 2008 13:49:25 -0000 1.3

@@ -52,7 +52,11 @@

void X86EMU\_trace\_regs (void)

{

    if (DEBUG\_TRACE()) {

-    x86emu\_dump\_regs();

+ if (M.x86.mode & (SYSMODE\_PREFIX\_DATA | SYSMODE\_PREFIX\_ADDR)) {

+    x86emu\_dump\_xregs();

+ } else {

+    x86emu\_dump\_regs();

+ }

    }

    if (DEBUG\_DECODE() && ! DEBUG\_DECODE\_NOPRINT()) {

        printk("%04x:%04x ", M.x86.saved\_cs, M.x86.saved\_ip);

@@ -185,7 +189,7 @@

        for (i=0; i< M.x86.enc\_pos; i++) {

            sprintf(buf1+2\*i,"%02x", fetch\_data\_byte\_abs(s,o+i));

        }

-    printk("%-20s",buf1);

+    printk("%-20s ",buf1);

    }

static void print\_decoded\_instruction (void)

Index: ops2.c

=====

RCS file:

/cvs/osdf/cvs/host/other-licence/x86emu/ops2.c,v

retrieving revision 1.1

retrieving revision 1.3

diff -u -u -r1.1 -r1.3

--- ops2.c 7 Sep 2007 10:01:21 -0000 1.1

+++ ops2.c 20 Mar 2008 15:48:34 -0000 1.3

@@ -149,8 +149,69 @@

target += (s16) M.x86.R\_IP;

DECODE\_PRINTF2("%04x\n", target);

TRACE\_AND\_STEP();

- if (cond)

+ if (cond) {

    M.x86.R\_IP = (u16)target;

+ JMP\_TRACE(M.x86.saved\_cs, M.x86.saved\_ip, M.x86.R\_CS, M.x86.R\_IP, " LONG COND ");

+ }

+ DECODE\_CLEAR\_SEGOVR();

+ END\_OF\_INSTR();

+}

+

+/\*\*\*\*\*

+REMARKS:

+Handles opcode 0x0f,0xC8-0xCF

+\*\*\*\*\*/

+s32 x86emu\_bswap(s32 reg)

+{

+ // perform the byte swap

+ s32 temp = reg;

+ reg = (temp & 0xFF000000) >> 24;

+ reg |= (temp & 0xFF0000) >> 8;

+ reg |= (temp & 0xFF00) << 8;

+ reg |= (temp & 0xFF) << 24;

+ return reg;

+}

+

+void x86emuOp2\_bswap(u8 op2)

+{

+

    /\* byte swap 32 bit register \*/

+ START\_OF\_INSTR();

+ DECODE\_PRINTF("BSWAP\t");

+ switch (op2) {

+ case 0xc8:

    DECODE\_PRINTF("EAX\n");

+ M.x86.R\_EAX = x86emu\_bswap(M.x86.R\_EAX);

+ break;

+ case 0xc9:

```

+   DECODE_PRINTF("ECX\n");
+   M.x86.R_ECX = x86emu_bswap(M.x86.R_ECX);
+   break;
+ case 0xca:
+   DECODE_PRINTF("EDX\n");
+   M.x86.R_EDX = x86emu_bswap(M.x86.R_EDX);
+   break;
+ case 0xcb:
+   DECODE_PRINTF("EBX\n");
+   M.x86.R_EBX = x86emu_bswap(M.x86.R_EBX);
+   break;
+ case 0xcc:
+   DECODE_PRINTF("ESP\n");
+   M.x86.R_ESP = x86emu_bswap(M.x86.R_ESP);
+   break;
+ case 0xcd:
+   DECODE_PRINTF("EBP\n");
+   M.x86.R_EBP = x86emu_bswap(M.x86.R_EBP);
+   break;
+ case 0xce:
+   DECODE_PRINTF("ESI\n");
+   M.x86.R_ESI = x86emu_bswap(M.x86.R_ESI);
+   break;
+ case 0xcf:
+   DECODE_PRINTF("EDI\n");
+   M.x86.R_EDI
+   = x86emu_bswap(M.x86.R_EDI);
+   break;
+ }
+ TRACE_AND_STEP();
+   DECODE_CLEAR_SEGOVR();
+   END_OF_INSTR();
+ }
@@ -1702,14 +1763,14 @@
/* 0xc5 */ x86emuOp2_illegal_op,
/* 0xc6 */ x86emuOp2_illegal_op,
/* 0xc7 */ x86emuOp2_illegal_op,
/* 0xc8 */ x86emuOp2_illegal_op, /* TODO: bswap */
/* 0xc9 */ x86emuOp2_illegal_op, /* TODO: bswap */
/* 0xca */ x86emuOp2_illegal_op, /* TODO: bswap */
/* 0xcb */ x86emuOp2_illegal_op, /* TODO: bswap */
/* 0xcc */ x86emuOp2_illegal_op, /* TODO: bswap */
/* 0xcd */ x86emuOp2_illegal_op, /* TODO: bswap */
/* 0xce */ x86emuOp2_illegal_op, /* TODO: bswap */
/* 0xcf */ x86emuOp2_illegal_op, /* TODO: bswap */
+/* 0xc8 */ x86emuOp2_bswap,
+/* 0xc9 */ x86emuOp2_bswap,
+/* 0xca */ x86emuOp2_bswap,

```

```
+/* 0xcb */ x86emuOp2_bswap,  
+/* 0xcc */ x86emuOp2_bswap,  
+/* 0xcd */ x86emuOp2_bswap,  
+/* 0xce */ x86emuOp2_bswap,  
+/* 0xcf */ x86emuOp2_bswap,
```

```
/* 0xd0 */ x86emuOp2_illegal_op,  
/* 0xd1 */ x86emuOp2_illegal_op,
```

Index:

ops.c

---

RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/ops.c,v

retrieving revision 1.1

diff -u -u -r1.1 ops.c

--- ops.c 7 Sep 2007 10:01:21 -0000 1.1

+++ ops.c 20 Mar 2008 16:52:00 -0000

@@ -1061,7 +1061,11 @@

```
    imm = (s8)fetch_byte_imm();  
    DECODE_PRINTF2("PUSH\t%d\n", imm);  
    TRACE_AND_STEP();  
-   push_word(imm);  
+   if (M.x86.mode & SYSMODE_PREFIX_DATA) {  
+       push_long(imm);  
+   } else {  
+       push_word(imm);  
+   }  
    DECODE_CLEAR_SEGOVR();  
    END_OF_INSTR();  
}
```

@@ -1256,8 +1260,10 @@

```
    target = (u16)(M.x86.R_IP + (s16)offset);  
    DECODE_PRINTF2("%x\n", target);  
    TRACE_AND_STEP();  
-   if (cond)  
+   if (cond) {  
        M.x86.R_IP = target;  
+   JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " NEAR COND ");  
+   }  
    DECODE_CLEAR_SEGOVR();  
    END_OF_INSTR();  
}
```

@@ -2516,9 +2522,11 @@

```
    count = 1;  
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE))  
    {  
        /* dont care whether REPE or REPNE */  
-       /* move them until CX is ZERO. */  
-       count = M.x86.R_CX;
```



```

+ /* move them until (E)CX is ZERO. */
+ count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
+ M.x86.R_CX = 0;
+ if (M.x86.mode & SYSMODE_32BIT_REP)
+     M.x86.R_ECX = 0;
+     M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
+ }
+ while (count--) {
@@ -2526,6 +2534,8 @@
+     store_data_byte_abs(M.x86.R_ES, M.x86.R_DI, val);
+     M.x86.R_SI += inc;
+     M.x86.R_DI += inc;
+     if (M.x86.intr & INTR_HALTED)
+         break;
+ }
+ DECODE_CLEAR_SEGOVR();
+ END_OF_INSTR();
@@ -2559,9 +2569,11 @@
+ count = 1;
+ if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
+     /* dont care whether REPE or REPNE */
-     /* move them until CX is ZERO. */
-     count = M.x86.R_CX;
+     /* move them until (E)CX is ZERO. */
+     count = (M.x86.mode
+ & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
+     M.x86.R_CX = 0;
+ if (M.x86.mode & SYSMODE_32BIT_REP)
+     M.x86.R_ECX = 0;
+     M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
+ }
+ while (count--) {
@@ -2574,6 +2586,8 @@
+ }
+     M.x86.R_SI += inc;
+     M.x86.R_DI += inc;
+     if (M.x86.intr & INTR_HALTED)
+         break;
+ }
+ DECODE_CLEAR_SEGOVR();
+ END_OF_INSTR();
@@ -2598,16 +2612,21 @@

+ if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
+     /* REPE */
-     /* move them until CX is ZERO. */
-     while (M.x86.R_CX != 0) {
+     /* move them until (E)CX is ZERO. */

```

```

+ while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
+   val1 = fetch_data_byte(M.x86.R_SI);
+   val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
+     cmp_byte(val1, val2);
-   M.x86.R_CX -- 1;
+   if (M.x86.mode & SYSMODE_32BIT_REP)
+
+     M.x86.R_ECX -- 1;
+   else
+     M.x86.R_CX -- 1;
+   M.x86.R_SI += inc;
+   M.x86.R_DI += inc;
+   if ( (M.x86.mode & SYSMODE_PREFIX_REPE) && (ACCESS_FLAG(F_ZF) == 0) ) break;
+   if ( (M.x86.mode & SYSMODE_PREFIX_REPNE) && ACCESS_FLAG(F_ZF) ) break;
+   if (M.x86.intr & INTR_HALTED)
+     break;
+ }
+ M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
+ } else {
@@ -2644,8 +2663,8 @@
TRACE_AND_STEP();
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
/* REPE */
- /* move them until CX is ZERO. */
- while (M.x86.R_CX != 0) {
+ /* move them until (E)CX is ZERO. */
+ while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
+   if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+     val1 = fetch_data_long(M.x86.R_SI);
+     val2 = fetch_data_long_abs(M.x86.R_ES,
M.x86.R_DI);
@@ -2655,11 +2674,16 @@
+     val2 = fetch_data_word_abs(M.x86.R_ES, M.x86.R_DI);
+     cmp_word((u16)val1, (u16)val2);
+   }
-   M.x86.R_CX -- 1;
+   if (M.x86.mode & SYSMODE_32BIT_REP)
+     M.x86.R_ECX -- 1;
+   else
+     M.x86.R_CX -- 1;
+   M.x86.R_SI += inc;
+   M.x86.R_DI += inc;
+   if ( (M.x86.mode & SYSMODE_PREFIX_REPE) && ACCESS_FLAG(F_ZF) == 0 ) break;
+   if ( (M.x86.mode & SYSMODE_PREFIX_REPNE) && ACCESS_FLAG(F_ZF) ) break;
+   if (M.x86.intr & INTR_HALTED)
+     break;
+ }
+ M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);

```

```

    } else {
@@ -2741,11 +2765,16 @@
    TRACE_AND_STEP();
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* dont care whether REPE or REPNE */
-        /* move them until CX is ZERO. */
-        while (M.x86.R_CX != 0) {
+        /*
move them until (E)CX is ZERO. */
+        while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
            store_data_byte_abs(M.x86.R_ES, M.x86.R_DI, M.x86.R_AL);
-            M.x86.R_CX -= 1;
+            if (M.x86.mode & SYSMODE_32BIT_REP)
+                M.x86.R_ECX -= 1;
+            else
+                M.x86.R_CX -= 1;
            M.x86.R_DI += inc;
+            if (M.x86.intr & INTR_HALTED)
+                break;
        }
        M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
    } else {
@@ -2783,9 +2812,11 @@
    count = 1;
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* dont care whether REPE or REPNE */
-        /* move them until CX is ZERO. */
-        count = M.x86.R_CX;
+        /* move them until (E)CX is ZERO. */
+        count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
        M.x86.R_CX = 0;
+    if (M.x86.mode & SYSMODE_32BIT_REP)
+        M.x86.R_ECX = 0;

        M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
    }
    while (count--) {
@@ -2795,6 +2826,8 @@
        store_data_word_abs(M.x86.R_ES, M.x86.R_DI, M.x86.R_AX);
    }
    M.x86.R_DI += inc;
+    if (M.x86.intr & INTR_HALTED)
+        break;
    }
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -2817,11 +2850,16 @@
    inc = 1;

```

```

if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
-   /* move them until CX is ZERO. */
-   while (M.x86.R_CX != 0) {
+   /* move them until (E)CX is ZERO. */
+   while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
        M.x86.R_AL = fetch_data_byte(M.x86.R_SI);
-       M.x86.R_CX -= 1;
+       if (M.x86.mode & SYSMODE_32BIT_REP)
+           M.x86.R_ECX -= 1;
+       else
+           M.x86.R_CX -= 1;
        M.x86.R_SI += inc;
+       if (M.x86.intr & INTR_HALTED)
+
            break;
        }
        M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
    } else {
@@ -2859,9 +2897,11 @@
    count = 1;
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* dont care whether REPE or REPNE */
-       /* move them until CX is ZERO. */
-       count = M.x86.R_CX;
+       /* move them until (E)CX is ZERO. */
+       count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
        M.x86.R_CX = 0;
+   if (M.x86.mode & SYSMODE_32BIT_REP)
+       M.x86.R_ECX = 0;
        M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
    }
    while (count--> 0) {
@@ -2871,6 +2911,8 @@
        M.x86.R_AX = fetch_data_word(M.x86.R_SI);
    }
    M.x86.R_SI += inc;
+   if (M.x86.intr & INTR_HALTED)
+       break;
    }
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -2894,26 +2936,36 @@
    inc = 1;
    if (M.x86.mode & SYSMODE_PREFIX_REPE) {
        /*
REPE */
-       /* move them until CX is ZERO. */

```

```

-   while (M.x86.R_CX != 0) {
+   /* move them until (E)CX is ZERO. */
+   while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
        val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
        cmp_byte(M.x86.R_AL, val2);
-       M.x86.R_CX -= 1;
+       if (M.x86.mode & SYSMODE_32BIT_REP)
+           M.x86.R_ECX -= 1;
+       else
+           M.x86.R_CX -= 1;
        M.x86.R_DI += inc;
        if (ACCESS_FLAG(F_ZF) == 0)
            break;
+       if (M.x86.intr & INTR_HALTED)
+           break;
    }
    M.x86.mode &= ~SYSMODE_PREFIX_REPE;
} else if (M.x86.mode & SYSMODE_PREFIX_REPNE) {
    /* REPNE */
-   /* move them until CX is ZERO. */
-   while (M.x86.R_CX != 0) {
+   /* move them until (E)CX is ZERO. */
+   while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {

        val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
        cmp_byte(M.x86.R_AL, val2);
-       M.x86.R_CX -= 1;
+       if (M.x86.mode & SYSMODE_32BIT_REP)
+           M.x86.R_ECX -= 1;
+       else
+           M.x86.R_CX -= 1;
        M.x86.R_DI += inc;
        if (ACCESS_FLAG(F_ZF))
            break; /* zero flag set means equal */
+       if (M.x86.intr & INTR_HALTED)
+           break;
    }
    M.x86.mode &= ~SYSMODE_PREFIX_REPNE;
} else {
@@ -2951,8 +3003,8 @@
    TRACE_AND_STEP();
    if (M.x86.mode & SYSMODE_PREFIX_REPE) {
        /* REPE */
-       /* move them until CX is ZERO. */
-       while (M.x86.R_CX != 0) {
+       /* move them until (E)CX is ZERO. */
+       while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
            if (M.x86.mode & SYSMODE_PREFIX_DATA) {

```

```

        val = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
        cmp_long(M.x86.R_EAX,
val);
@@ -2960,16 +3012,21 @@
        val = fetch_data_word_abs(M.x86.R_ES, M.x86.R_DI);
        cmp_word(M.x86.R_AX, (u16)val);
    }
-   M.x86.R_CX -= 1;
+   if (M.x86.mode & SYSMODE_32BIT_REP)
+       M.x86.R_ECX -= 1;
+   else
+       M.x86.R_CX -= 1;
    M.x86.R_DI += inc;
    if (ACCESS_FLAG(F_ZF) == 0)
        break;
+   if (M.x86.intr & INTR_HALTED)
+       break;
    }
    M.x86.mode &= ~SYSMODE_PREFIX_REPE;
} else if (M.x86.mode & SYSMODE_PREFIX_REPNE) {
    /* REPNE */
-   /* move them until CX is ZERO. */
-   while (M.x86.R_CX != 0) {
+   /* move them until (E)CX is ZERO. */
+   while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
        if (M.x86.mode & SYSMODE_PREFIX_DATA) {
            val = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
            cmp_long(M.x86.R_EAX,
val);
@@ -2977,10 +3034,15 @@
            val = fetch_data_word_abs(M.x86.R_ES, M.x86.R_DI);
            cmp_word(M.x86.R_AX, (u16)val);
        }
-   M.x86.R_CX -= 1;
+   if (M.x86.mode & SYSMODE_32BIT_REP)
+       M.x86.R_ECX -= 1;
+   else
+       M.x86.R_CX -= 1;
    M.x86.R_DI += inc;
    if (ACCESS_FLAG(F_ZF))
        break;    /* zero flag set means equal */
+   if (M.x86.intr & INTR_HALTED)
+       break;
    }
    M.x86.mode &= ~SYSMODE_PREFIX_REPNE;
} else {
@@ -3238,9 +3300,9 @@
    DECODE_PRINTF("RET\t");

```

```

    imm = fetch_word_imm();
    DECODE_PRINTF2("%x\n", imm);
- RETURN_TRACE("RET",M.x86.saved_cs,M.x86.saved_ip);
TRACE_AND_STEP();
    M.x86.R_IP = pop_word();
+ RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "NEAR");
    M.x86.R_SP += imm;
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -3254,9 +3316,9
@@
{
    START_OF_INSTR();
    DECODE_PRINTF("RET\n");
- RETURN_TRACE("RET",M.x86.saved_cs,M.x86.saved_ip);
TRACE_AND_STEP();
    M.x86.R_IP = pop_word();
+ RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "NEAR");
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
}
@@ -3471,10 +3533,10 @@
    DECODE_PRINTF("RETF\t");
    imm = fetch_word_imm();
    DECODE_PRINTF2("%x\n", imm);
- RETURN_TRACE("RETF",M.x86.saved_cs,M.x86.saved_ip);
TRACE_AND_STEP();
    M.x86.R_IP = pop_word();
    M.x86.R_CS = pop_word();
+ RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "FAR");
    M.x86.R_SP += imm;
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -3488,10 +3550,10 @@
{
    START_OF_INSTR();
    DECODE_PRINTF("RETF\n");
- RETURN_TRACE("RETF",M.x86.saved_cs,M.x86.saved_ip);
TRACE_AND_STEP();
    M.x86.R_IP = pop_word();
    M.x86.R_CS = pop_word();
+ RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "FAR");
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
}
@@ -4020,8 +4082,11 @@
    ip += (s16) M.x86.R_IP;
    DECODE_PRINTF2("%04x\n", ip);

```

```

TRACE_AND_STEP();
- M.x86.R_CX -= 1;
- if (M.x86.R_CX != 0 && !ACCESS_FLAG(F_ZF)) /* CX != 0 and !ZF */
+ if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+ M.x86.R_ECX -= 1;
+ else
+ M.x86.R_CX -= 1;
+ if (((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0 &&
!ACCESS_FLAG(F_ZF)) /* (E)CX != 0 and !ZF */
M.x86.R_IP = ip;
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
@@ -4041,8 +4106,11 @@
ip += (s16) M.x86.R_IP;
DECODE_PRINTF2("%04x\n", ip);
TRACE_AND_STEP();
- M.x86.R_CX -= 1;
- if (M.x86.R_CX != 0 && ACCESS_FLAG(F_ZF)) /* CX != 0 and ZF */
+ if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+ M.x86.R_ECX -= 1;
+ else
+ M.x86.R_CX -= 1;
+ if (((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0 &&
ACCESS_FLAG(F_ZF)) /* (E)CX != 0 and ZF */
M.x86.R_IP = ip;
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
@@ -4062,8 +4130,11 @@
ip += (s16) M.x86.R_IP;
DECODE_PRINTF2("%04x\n", ip);
TRACE_AND_STEP();
- M.x86.R_CX -= 1;
- if (M.x86.R_CX != 0)
+ if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+ M.x86.R_ECX -= 1;
+ else
+ M.x86.R_CX -= 1;
+ if (((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0) /* (E)CX != 0 */
M.x86.R_IP = ip;
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
@@ -4085,8 +4156,10 @@
target = (u16)(M.x86.R_IP + offset);
DECODE_PRINTF2("%x\n", target);
TRACE_AND_STEP();
- if (M.x86.R_CX == 0)
+ if (M.x86.R_CX == 0) {
M.x86.R_IP = target;

```



```

+ JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " CXZ ");
+ }
  DECODE_CLEAR_SEGOVR();
  END_OF_INSTR();
}
@@ -4213,6 +4286,7 @@
  ip = (s16)fetch_word_imm();
  ip += (s16)M.x86.R_IP;
  DECODE_PRINTF2("%04x\n", ip);
+ JMP_TRACE(M.x86.saved_cs,
M.x86.saved_ip, M.x86.R_CS, ip, " NEAR ");
  TRACE_AND_STEP();
  M.x86.R_IP = (u16)ip;
  DECODE_CLEAR_SEGOVR();
@@ -4233,6 +4307,7 @@
  cs = fetch_word_imm();
  DECODE_PRINTF2("%04x:", cs);
  DECODE_PRINTF2("%04x\n", ip);
+ JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, cs, ip, " FAR ");
  TRACE_AND_STEP();
  M.x86.R_IP = ip;
  M.x86.R_CS = cs;
@@ -4254,6 +4329,7 @@
  offset = (s8)fetch_byte_imm();
  target = (u16)(M.x86.R_IP + offset);
  DECODE_PRINTF2("%x\n", target);
+ JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, target, " BYTE ");
  TRACE_AND_STEP();
  M.x86.R_IP = target;
  DECODE_CLEAR_SEGOVR();
@@ -4357,6 +4433,8 @@
  DECODE_PRINTF("REPNE\n");
  TRACE_AND_STEP();
  M.x86.mode |= SYSMODE_PREFIX_REPNE;
+ if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+   M.x86.mode |= SYSMODE_32BIT_REP;
  DECODE_CLEAR_SEGOVR();
  END_OF_INSTR();
}
@@ -4371,6 +4449,8 @@
  DECODE_PRINTF("REPE\n");
  TRACE_AND_STEP();
  M.x86.mode |= SYSMODE_PREFIX_REPE;
+ if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+   M.x86.mode |= SYSMODE_32BIT_REP;
  DECODE_CLEAR_SEGOVR();
  END_OF_INSTR();
}

```

```

@@ -5013,12 +5093,14 @@
    break;
    case 4:      /* jmp word ptr ... */
        destval = fetch_data_word(destoffset);
+       JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, destval, " WORD ");
        TRACE_AND_STEP();
        M.x86.R_IP = destval;
        break;
    case 5:      /* jmp far ptr ... */
        destval = fetch_data_word(destoffset);
        destval2 = fetch_data_word(destoffset + 2);
+       JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, destval2, destval, " FAR ");
        TRACE_AND_STEP();
        M.x86.R_IP = destval;
        M.x86.R_CS = destval2;

```

Index: prim\_ops.c

=====

RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/prim\_ops.c,v

retrieving revision

1.1

retrieving revision 1.3

diff -u -u -r1.1 -r1.3

--- prim\_ops.c 7 Sep 2007 10:01:21 -0000 1.1

+++ prim\_ops.c 16 Jan 2008 14:18:15 -0000 1.3

@@ -1921,7 +1921,7 @@

void imul\_long\_direct(u32 \*res\_lo, u32\* res\_hi, u32 d, u32 s)

```

{
#ifdef __HAS_LONG_LONG__
-   s64 res = (s64)d * (s64)s;
+   s64 res = (s64)(s32)d * (s64)(s32)s;

```

```

    *res_lo = (u32)res;
    *res_hi = (u32)(res >> 32);

```

@@ -2013,7 +2013,7 @@

void mul\_long(u32 s)

```

{
#ifdef __HAS_LONG_LONG__
-   u64 res = (u32)M.x86.R_EAX * (u32)s;
+   u64 res = (u64)M.x86.R_EAX * s;

```

```

    M.x86.R_EAX = (u32)res;
    M.x86.R_EDX = (u32)(res >> 32);

```

@@ -2312,16 +2312,15 @@

```

}
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
-   /* in until CX is ZERO. */
-   u32 count = ((M.x86.mode & SYSMODE_PREFIX_DATA) ?

```

```

+ /* in until (E)CX is ZERO. */
+ u32 count = ((M.x86.mode & SYSMODE_32BIT_REP) ?
      M.x86.R_ECX : M.x86.R_CX);
-
  while (count--) {
    single_in(size);
    M.x86.R_DI += inc;
  }
  M.x86.R_CX = 0;
- if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+ if (M.x86.mode & SYSMODE_32BIT_REP) {
    M.x86.R_ECX = 0;
  }
  M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
@@ -2355,15 +2354,15 @@
  }
  if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
- /* out until CX is ZERO. */
- u32 count = ((M.x86.mode & SYSMODE_PREFIX_DATA) ?
+ /* out until (E)CX is ZERO. */
+ u32 count = ((M.x86.mode & SYSMODE_32BIT_REP) ?
      M.x86.R_ECX : M.x86.R_CX);
  while (count--) {
    single_out(size);
    M.x86.R_SI += inc;
  }
  M.x86.R_CX = 0;
- if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+ if (M.x86.mode & SYSMODE_32BIT_REP) {
    M.x86.R_ECX = 0;
  }
  M.x86.mode
&= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);

```

Index: sys.c

```
=====
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/sys.c,v
```

retrieving revision 1.1

retrieving revision 1.2

diff -u -u -r1.1 -r1.2

--- sys.c 7 Sep 2007 10:01:21 -0000 1.1

+++ sys.c 7 Sep 2007 10:03:13 -0000 1.2

@@ -45,11 +45,6 @@

#include <x86emu/regs.h>

#include "debug.h"

#include "prim\_ops.h"

ifndef LINUXBIOS\_VERSION

include "io.h"

```

-#else
-#include <sys/io.h>
-#endif

#ifdef IN_MODULE
#include "xf86_ansi.h"
@@ -220,7 +215,7 @@
{
DB(if (DEBUG_IO_TRACE())
printk("inb %#04x \n", addr);
- return inb(addr);
+ return 0;
}

/*****
@@ -235,7 +230,7 @@
{
DB(if (DEBUG_IO_TRACE())
printk("inw %#04x \n", addr);
- return inw(addr);
+ return 0;
}

/*****
@@ -250,7 +245,7 @@
{
DB(if (DEBUG_IO_TRACE())
printk("inl %#04x \n", addr);
- return inl(addr);
+ return 0;
}

/*****
@@ -264,7 +259,6 @@
{
DB(if (DEBUG_IO_TRACE())
printk("outb %#02x -> %#04x \n", val, addr);
- outb(val, addr);
return;
}

@@ -279,7 +273,6 @@
{
DB(if (DEBUG_IO_TRACE())
printk("outw %#04x -> %#04x \n", val, addr);
- outw(val, addr);
return;
}

```

```
@@ -295,7 +288,6 @@
DB(if (DEBUG_IO_TRACE())
    printk("outl %#08x -> %#04x \n", val, addr);)
```

```
- outl(val, addr);
return;
}
```

```
@@ -405,6 +397,6 @@
```

```
void X86EMU_setMemBase(void *base, size_t size)
{
- M.mem_base = (int) base;
+ M.mem_base = (unsigned long) base;
  M.mem_size = size;
}
```

```
Index: include/x86emu/debug.h
```

```
=====
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/include/x86emu/debug.h,v
```

```
retrieving revision 1.1
```

```
retrieving revision 1.4
```

```
diff -u -u -r1.1 -r1.4
```

```
--- include/x86emu/debug.h 7
```

```
Sep 2007 10:01:21 -0000 1.1
```

```
+++ include/x86emu/debug.h 20 Mar 2008 15:25:27 -0000 1.4
```

```
@@ -40,8 +40,6 @@
```

```
#ifndef __X86EMU_DEBUG_H
```

```
#define __X86EMU_DEBUG_H
```

```
//#define DEBUG 0
```

```
#undef DEBUG
```

```
/*----- Macros and type definitions -----*/
```

```
/* checks to be enabled for "runtime" */
```

```
@@ -78,6 +76,8 @@
```

```
# define DEBUG_SYSINT()      (M.x86.debug & DEBUG_SYSINT_F)
```

```
# define DEBUG_TRACECALL()   (M.x86.debug & DEBUG_TRACECALL_F)
```

```
# define DEBUG_TRACECALLREGS() (M.x86.debug & DEBUG_TRACECALL_REGS_F)
```

```
+# define DEBUG_TRACEJMP()    (M.x86.debug & DEBUG_TRACEJMP_F)
```

```
+# define DEBUG_TRACEJMPREGS() (M.x86.debug & DEBUG_TRACEJMP_REGS_F)
```

```
# define DEBUG_SYS()         (M.x86.debug & DEBUG_SYS_F)
```

```
# define DEBUG_MEM_TRACE()   (M.x86.debug & DEBUG_MEM_TRACE_F)
```

```
# define DEBUG_IO_TRACE()    (M.x86.debug & DEBUG_IO_TRACE_F)
```

```
@@ -96,6 +96,8 @@
```

```
# define DEBUG_SYSINT()      0
```

```
# define DEBUG_TRACECALL()   0
```

```
# define DEBUG_TRACECALLREGS() 0
```

```

+# define DEBUG_TRACEJMP()
    0
+# define DEBUG_TRACEJMPREGS() 0
# define DEBUG_SYS()      0
# define DEBUG_MEM_TRACE() 0
# define DEBUG_IO_TRACE() 0
@@ -169,14 +171,20 @@
    x86emu_dump_regs();
if (DEBUG_TRACECALL())
    printk("%04x:%04x: CALL %s%04x:%04x\n", u, v, s, w, x);
-# define RETURN_TRACE(n,u,v)
+# define RETURN_TRACE(u,v,w,x,s)
if (DEBUG_TRACECALLREGS())
    x86emu_dump_regs();
if (DEBUG_TRACECALL())
-   printk("%04x:%04x: %s\n",u,v,n);
+   printk("%04x:%04x: RET %s %04x:%04x\n",u,v,s,w,x);
+# define JMP_TRACE(u,v,w,x,s)
+   if (DEBUG_TRACEJMPREGS()) \
+   x86emu_dump_regs(); \
+   if (DEBUG_TRACEJMP()) \
+   printk("%04x:%04x: JMP %s%04x:%04x\n", u, v, s, w, x);
#else
# define CALL_TRACE(u,v,w,x,s)
-#
define RETURN_TRACE(n,u,v)
+# define RETURN_TRACE(u,v,w,x,s)
+# define JMP_TRACE(u,v,w,x,s)
#endif

#ifdef DEBUG
Index: include/x86emu/regs.h
=====
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/include/x86emu/regs.h,v
retrieving revision 1.1
retrieving revision 1.4
diff -u -u -r1.1 -r1.4
--- include/x86emu/regs.h 7 Sep 2007 10:01:21 -0000 1.1
+++ include/x86emu/regs.h 15 Jan 2008 13:46:40 -0000 1.4
@@ -231,6 +231,9 @@
#define SYSMODE_PREFIX_REPNE 0x00000100
#define SYSMODE_PREFIX_DATA 0x00000200
#define SYSMODE_PREFIX_ADDR 0x00000400
+//phueper: for REP(E|NE) Instructions, we need to decide wether it should be using
+//the 32bit ECX register as or the 16bit CX register as count register
+#define SYSMODE_32BIT_REP 0x00000800
#define SYSMODE_INTR_PENDING 0x10000000
#define SYSMODE_EXTRN_INTR 0x20000000

```

```

#define SYSMODE_HALTED      0x40000000
@@ -250,7 +253,8 @@
    SYSMODE_SEGOVR_GS   |\
    SYSMODE_SEGOVR_SS   |\
    SYSMODE_PREFIX_DATA |\
-   SYSMODE_PREFIX_ADDR)
+   SYSMODE_PREFIX_ADDR  |\
+   SYSMODE_32BIT_REP)

#define INTR_SYNCH        0x1
#define INTR_ASYNCH      0x2
@@ -274,9 +278,9 @@
    */
    u32          mode;
    volatile int  intr; /* mask of pending interrupts */
- int          debug;
+ volatile int  debug;
#ifdef DEBUG
- int          check;
+ int          check;
    u16         saved_ip;
    u16         saved_cs;
    int         enc_pos;
Index: include/x86emu/x86emu.h
=====
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/include/x86emu/x86emu.h,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- include/x86emu/x86emu.h 7 Sep 2007 10:01:21
-0000 1.1
+++ include/x86emu/x86emu.h 19 Oct 2007 08:42:15 -0000 1.3
@@ -47,6 +47,7 @@
#include <console.h>
#define printk(x...) printk(BIOS_DEBUG, x)
#else
+#include <stdio.h>
#define printk printf
#endif

@@ -189,6 +181,8 @@
#define DEBUG_TRACECALL_REGS_F 0x004000
#define DEBUG_DECODE_NOPRINT_F 0x008000
#define DEBUG_SAVE_IP_CS_F    0x010000
+#define DEBUG_TRACEJMP_F     0x020000
+#define DEBUG_TRACEJMP_REGS_F 0x040000
#define DEBUG_SYS_F          (DEBUG_SVC_F|DEBUG_FS_F|DEBUG_PROC_F)

```

```
void X86EMU_trace_regs(void);
@@ -200,5 +194,4 @@
#ifdef __cplusplus
}          /* End of "C" linkage for C++ */
#endif
-
#endif /* __X86EMU_X86EMU_H */
argparse is (c) 2006-2009 Steven J. Bethard <steven.bethard@gmail.com>.
```

The argparse module was contributed to Python as of Python 2.7 and thus was licensed under the Python license. Same license applies to all files in the argparse package project.

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## History

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Before (and including) argparse 1.1, the argparse package was licensed under Apache License v2.0.

After argparse 1.1, all project files from the argparse project were deleted due to license compatibility issues between Apache License 2.0 and GNU GPL v2.

The project repository then had a clean start with some files taken from Python 2.7.1, so definitely all files are under Python License now.

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-- Wolfgang Denk

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John R. Hauser  
2018 January 20

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\* August 3, 2017

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2. Your commit message must include your "Signed-off-by" signature, and "Contributed-under" message.
3. Your "Contributed-under" message

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=====  
= Change Description / Commit Message / Patch Email =  
=====

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== Sample Change Description / Commit Message =

=== Start of sample patch email message ===

From: Contributor Name <contributor@example.com>

Subject: [Repository/Branch

PATCH] Module: Brief-single-line-summary

Full-commit-message

Contributed-under: TianoCore Contribution Agreement 1.1

Signed-off-by: Contributor Name <contributor@example.com>

---

An extra message for the patch email which will not be considered part of the commit message can be added here.

Patch content inline or attached

==== End of sample patch email message ====

==== Notes for sample patch email ====

- \* The first line of commit message is taken from the email's subject line following [Repository/Branch PATCH]. The remaining portion of the commit message is the email's content until the '---' line.
- \* git format-patch is one way to create this format

==== Definitions for sample patch email ====

- \* "Repository" is the identifier of the repository the patch applies. This identifier should only be provided for repositories other than 'edk2'. For example 'edk2-BuildSpecification' or 'staging'.
- \* "Branch" is the identifier of the branch the patch applies. This identifier should only be provided for branches other than 'edk2/master'. For example 'edk2/UDK2015', 'edk2-BuildSpecification/release/1.27', or 'staging/edk2-test'.
- \* "Module" is a short identifier for the affected code or documentation. For example 'MdePkg', 'MdeModulePkg/UsbBusDxe', 'Introduction', or 'EDK II INF File Format'.
- \* "Brief-single-line-summary" is a short summary of the change.
- \* The entire first line should be less than ~70 characters.
- \* "Full-commit-message" a verbose multiple line comment describing the change. Each line should be less than ~70 characters.
- \* "Contributed-under" explicitly states that the contribution is made under the terms of the contribution agreement. This agreement is included below in this document.
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1. Create a change description in the format specified below to use in the source control commit log.
2. Your commit message must include your "Signed-off-by" signature, and "Contributed-under" message.
3. Your "Contributed-under" message explicitly states that the contribution is made under the terms of the specified contribution agreement. Your "Contributed-under" message must include the name of contribution agreement and version.

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=====  
= Change Description / Commit Message / Patch Email =  
=====

Your change description should use the standard format for a commit message, and must include your "Signed-off-by" signature and the "Contributed-under" message.

== Sample Change Description / Commit Message =

==== Start of sample patch email message ====

From: Contributor Name <contributor@example.com>  
Subject: [PATCH] CodeModule: Brief-single-line-summary

Full-commit-message

Contributed-under: TianoCore Contribution Agreement 1.0  
Signed-off-by: Contributor Name <contributor@example.com>

---

An extra message for the patch email which will not be considered part of the commit message can be added here.

Patch content inline or  
attached

==== End of sample patch email message ====

==== Notes for sample patch email ====

- \* The first line of commit message is taken from the email's subject line following [PATCH]. The remaining portion of the commit message is the email's content until the '---' line.
- \* git format-patch is one way to create this format

==== Definitions for sample patch email ====

- \* "CodeModule" is a short identifier for the affected code. For example MdePkg, or MdeModulePkg UsbBusDxe.
- \* "Brief-single-line-summary" is a short summary of the change.
- \* The entire first line should be less than ~70 characters.
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John R. Hauser  
2018 January 20

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```

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```
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The hypothetical commands

```
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```
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```

```
<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice
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Kendryte Standalone SDK

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```
{ TARGET_FREEBSD_NR__acl_aclcheck_fd, "__acl_aclcheck_fd", "%s(%d, %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_aclcheck_file, "__acl_aclcheck_file", "%s(\"%s\", %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_aclcheck_link, "__acl_aclcheck_link", "%s(\"%s\", %d, %#x)", NULL, NULL
```

```

},
{ TARGET_FREEBSD_NR__acl_delete_fd,
  "__acl_delete_fd", "%s(%d,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_delete_file, "__acl_delete_file", "%s(\"%s\", %d)", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_delete_link, "__acl_delete_link", "%s(\"%s\", %d)", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_get_fd, "__acl_get_fd", "%s(%d,%d,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_get_file, "__acl_get_file", "%s(\"%s\", %d,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_get_link, "__acl_get_link", "%s(\"%s\", %d,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_set_fd, "__acl_set_fd", "%s(%d,%d,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_set_file, "__acl_set_file", "%s(\"%s\", %d,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_set_link, "__acl_set_link", "%s(\"%s\", %d,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR__semctl, "__semctl", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR__syscall, "__syscall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR__sysctl, "__sysctl", NULL, print_sysctl, NULL },
{ TARGET_FREEBSD_NR__umtx_op,
  "_umtx_op", "%s(%#x,%d,%d,%#x,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_accept, "accept", "%s(%d,%#x,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_access, "access", "%s(\"%s\",%#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_acct, "acct", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_adjtime, "adjtime", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_bind, "bind", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_break, "break", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_chdir, "chdir", "%s(\"%s\")", NULL, NULL },
{ TARGET_FREEBSD_NR_chflags, "chflags", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_chmod, "chmod", "%s(\"%s\",%#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_chown, "chown", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_chroot, "chroot", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_clock_getres, "clock_getres", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_clock_gettime, "clock_gettime", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_clock_settime, "clock_settime", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_close, "close", "%s(%d)", NULL,
  NULL },
{ TARGET_FREEBSD_NR_connect, "connect", "%s(%d,%#x,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_dup, "dup", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_dup2, "dup2", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_eaccess, "eaccess", "%s(\"%s\",%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_execve, "execve", NULL, print_execve, NULL },
{ TARGET_FREEBSD_NR_exit, "exit", "%s(%d)\n", NULL, NULL },
{ TARGET_FREEBSD_NR_extattrctl, "extattrctl", "%s(\"%s\", %d, \"%s\", %d, \"%s\")", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_delete_fd, "extattr_delete_fd", "%s(%d,%d, \"%s\")", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_delete_file, "extattr_delete_file", "%s(\"%s\", %d, \"%s\")", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_delete_link, "extattr_delete_link", "%s(\"%s\", %d, \"%s\")", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_get_fd, "extattr_get_fd", "%s(%d,%d, \"%s\", %#x,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_get_file, "extattr_get_file", "%s(\"%s\", %d, \"%s\", %#x,%d)", NULL, NULL },
},
{ TARGET_FREEBSD_NR_extattr_get_file,
  "extattr_get_link", "%s(\"%s\", %d, \"%s\", %#x,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_list_fd, "extattr_list_fd", "%s(%d,%d,%#x,%d)", NULL, NULL },

```



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{ TARGET_FREEBSD_NR_extattr_list_file, "extattr_list_file", "%s(\"%s\", %d, %#x, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_list_link, "extattr_list_link", "%s(\"%s\", %d, %#x, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_set_fd, "extattr_set_fd", "%s(%d, %d, \"%s\", %#x, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_set_file, "extattr_set_file", "%s(\"%s\", %d, \"%s\", %#x, %d)", NULL, NULL
},
{ TARGET_FREEBSD_NR_extattr_set_link, "extattr_set_link", "%s(\"%s\", %d, \"%s\", %#x, %d)", NULL,
NULL },
{ TARGET_FREEBSD_NR_fchdir, "fchdir", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fchflags, "fchflags", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fchmod, "fchmod", "%s(%d,%#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_fchown, "fchown", "%s(%d,%d,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_fcntl, "fcntl", NULL,
NULL, NULL },
{ TARGET_FREEBSD_NR_fexecve, "fexecve", NULL, print_execve, NULL },
{ TARGET_FREEBSD_NR_fhopen, "fhopen", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fhstat, "fhstat", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fhstatfs, "fhstatfs", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_flock, "flock", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fork, "fork", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_fpathconf, "fpathconf", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fstat, "fstat", "%s(%d,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_fstatat, "fstatat", "%s(%d,\"%s\", %#x, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_fstatfs, "fstatfs", "%s(%d,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_fsync, "fsync", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_ftruncate, "ftruncate", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_futimes, "futimes", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getcontext, "getcontext", "%s(%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_getdirentries, "getdirentries", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_freebsd6_mmap,
"freebsd6_mmap", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getegid, "getegid", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_geteuid, "geteuid", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_getfh, "getfh", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getfsstat, "getfsstat", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getgid, "getgid", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_getgroups, "getgroups", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getitimer, "getitimer", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getlogin, "getlogin", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getpeername, "getpeername", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getpgid, "getpgid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getpgrp, "getpgrp", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_getpid, "getpid", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_getppid, "getppid", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_getpriority, "getpriority", "%s(%#x,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_getresgid, "getresgid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getresuid,
"getresuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getrlimit, "getrlimit", NULL, NULL, NULL },

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{ TARGET_FREEBSD_NR_getrusage, "getrusage", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getsid, "getsid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getsockname, "getsockname", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getsockopt, "getsockopt", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_gettimeofday, "gettimeofday", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getuid, "getuid", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_ioctl, "ioctl", NULL, print_ioctl, NULL },
{ TARGET_FREEBSD_NR_issetugid, "issetugid", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_kevent, "kevent", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_kill, "kill", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_kqueue, "kqueue", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_ktrace, "ktrace", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_lchown, "lchown", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_link, "link", "%s(\"%s\", \"%s\")", NULL, NULL },
{ TARGET_FREEBSD_NR_listen,
"listen", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_lpathconf, "lpathconf", "%s(\"%s\", %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_lseek, "lseek", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_lstat, "lstat", "%s(\"%s\", %p)", NULL, NULL },
{ TARGET_FREEBSD_NR_madvise, "madvise", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mincore, "mincore", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_minherit, "minherit", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mkdir, "mkdir", "%s(\"%s\", %o)", NULL, NULL },
{ TARGET_FREEBSD_NR_mkfifo, "mkfifo", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mknod, "mknod", "%s(\"%s\", %o, %x)", NULL, NULL },
{ TARGET_FREEBSD_NR_mlock, "mlock", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mlockall, "mlockall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mmap, "mmap", NULL, NULL, print_syscall_ret_addr },
{ TARGET_FREEBSD_NR_mount, "mount", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mprotect, "mprotect", "%s(%x, %x, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_msgctl, "msgctl", NULL, NULL, NULL
},
{ TARGET_FREEBSD_NR_msgget, "msgget", NULL, NULL, NULL },
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{ TARGET_FREEBSD_NR_sigaction, "sigaction", NULL, NULL, NULL },
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{ TARGET_FREEBSD_NR_sstk, "sstk", NULL, NULL, NULL },
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{ TARGET_FREEBSD_NR_statfs, "statfs", "%s(\"%s\",%p)", NULL, NULL },
{ TARGET_FREEBSD_NR_symlink, "symlink", "%s(\"%s\", \"%s\")", NULL, NULL },
{ TARGET_FREEBSD_NR_sync, "sync", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sysarch, "sysarch", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_syscall, "syscall", NULL, NULL, NULL },
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{ TARGET_FREEBSD_NR_thr_exit, "thr_exit", "%s(%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_kill, "thr_kill", "%s(%d,
%#x)", NULL, NULL },
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{ TARGET_FREEBSD_NR_thr_new, "thr_new", "%s(%#x, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_self, "thr_self", "%s(%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_set_name, "thr_set_name", "%s(%d, \"%s\")", NULL, NULL },
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{ TARGET_FREEBSD_NR_unlink, "unlink", "%s(\"%s\")", NULL, NULL },
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{ TARGET_FREEBSD_NR_vfork, "vfork", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_wait4, "wait4", NULL, NULL, NULL },
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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software

sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification

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Files:

include/bsd/md5.h

src/hash/md5.c

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Files:

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src/hash/md5hl.c

src/hash/helper.c

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## 1.718 python3-paramiko 2.7.2-r0

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## 1.732 python3-idna 2.9-r0

### 1.732.1 Available under license :

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```
"""
```

```
A library to support the Internationalised Domain Names in Applications (IDNA) protocol as specified in RFC 5890 et.al. This new methodology, known as IDNA 2008, can generate materially different results to the previous standard. The library can act as a drop-in replacement for the "encodings.idna" module.
```

```
"""
```

```
import io, sys
from setuptools import setup
```

```
def main():
```

```
    python_version = sys.version_info[:2]
    if python_version < (2,7):
        raise SystemExit("Sorry, Python 2.7 or newer required")
```

```
    package_data = { }
```

```
exec(open('idna/package_data.py').read(), package_data)
```

```
arguments = {
    'name': 'idna',
    'packages': ['idna'],
    'version': package_data['__version__'],
    'description': 'Internationalized Domain Names in Applications (IDNA)',
    'long_description': io.open("README.rst", encoding="UTF-8").read(),
    'author': 'Kim Davies',
    'author_email': 'kim@cynosure.com.au',
    'license': 'BSD-like',
    'url': 'https://github.com/kjd/idna',
    'classifiers': [
        'Development Status :: 5 - Production/Stable',
        'Intended Audience :: Developers',
        'Intended Audience :: System Administrators',
        'License :: OSI Approved :: BSD License',
        'Operating System :: OS Independent',
        'Programming Language :: Python',
        'Programming Language :: Python :: 2',
        'Programming Language :: Python :: 2.7',
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        'Programming Language :: Python :: 3.4',
        'Programming Language :: Python :: 3.5',
        'Programming Language :: Python :: 3.6',
        'Programming Language :: Python :: 3.7',
        'Programming Language :: Python :: 3.8',
        'Programming Language :: Python :: Implementation :: CPython',
        'Programming Language :: Python :: Implementation :: PyPy',
        'Topic :: Internet :: Name Service (DNS)',
        'Topic :: Software Development :: Libraries :: Python Modules',
        'Topic :: Utilities',
    ],
    'python_requires': '>=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*',
    'test_suite': 'tests',
}
```

```
setup(**arguments)
```

```
if __name__ == '__main__':
    main()
```

Found in path(s):

\* /opt/cola/permits/1084378005\_1605212166.93/0/idna-2-9-1-tar-gz/idna-2.9/setup.py

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Metadata-Version: 1.2

Name: idna

Version: 2.9

Summary: Internationalized Domain Names in Applications (IDNA)

Home-page: <https://github.com/kjd/idna>

Author: Kim Davies

Author-email: [kim@cynosure.com.au](mailto:kim@cynosure.com.au)

License: BSD-like

Description: Internationalized Domain Names in Applications (IDNA)

=====

Support for the Internationalised Domain Names in Applications (IDNA) protocol as specified in `RFC 5891 <<http://tools.ietf.org/html/rfc5891>>`\_. This is the latest version of the protocol and is sometimes referred to as “IDNA 2008”.

This library also provides support for Unicode Technical Standard 46, `Unicode IDNA Compatibility Processing <<http://unicode.org/reports/tr46/>>`\_.

This acts as a suitable replacement for the “encodings.idna” module that comes with the Python standard library, but only supports the old, deprecated IDNA specification (`RFC 3490 <<http://tools.ietf.org/html/rfc3490>>`\_).

Basic functions are simply executed:

```
.. code-block:: pycon

# Python 3
>>> import idna
>>> idna.encode('.')
b'xn--eckwd4c7c.xn--zckzah'
>>> print(idna.decode('xn--eckwd4c7c.xn--zckzah'))
.

# Python 2
>>> import idna
>>> idna.encode(u'.')
'xn--eckwd4c7c.xn--zckzah'
>>> print idna.decode('xn--eckwd4c7c.xn--zckzah')
.
```

Packages

-----

The latest tagged release version is published in the PyPI repository:

```
.. image:: https://badge.fury.io/py/idna.svg
:target: http://badge.fury.io/py/idna
```

Installation

-----

To install this library, you can use pip:

```
.. code-block:: bash
```

```
$ pip install idna
```

Alternatively, you can install the package using the bundled setup script:

```
.. code-block:: bash
```

```
$ python setup.py install
```

This library works with Python 2.7 and Python 3.4 or later.

## Usage

-----

For typical usage, the `encode` and `decode` functions will take a domain name argument and perform a conversion to A-labels or U-labels respectively.

```
.. code-block:: pycon
```

```
# Python 3
>>> import idna
>>> idna.encode('.')
b'xn--eckwd4c7c.xn--zckzah'
>>> print(idna.decode('xn--eckwd4c7c.xn--zckzah'))
.
```

You may use the codec encoding and decoding methods using the `idna.codec` module:

```
.. code-block:: pycon
```

```
# Python 2
>>> import idna.codec
>>> print u'.'.encode('idna')
xn--80ahd1agd.xn--80akhbyknj4f
>>> print 'xn--80ahd1agd.xn--80akhbyknj4f'.decode('idna')
.
```

Conversions can be applied at a per-label basis using the `ulabel` or `alabel` functions if necessary:

```
.. code-block:: pycon
```

```
# Python 2
>>> idna.alabel(u'')
'xn--0zwm56d'
```

## Compatibility Mapping (UTS #46)

+++++

As described in `RFC 5895 <<http://tools.ietf.org/html/rfc5895>>`, the IDNA specification no longer normalizes input from different potential ways a user may input a domain name. This functionality, known as a “mapping”, is now considered by the specification to be a local user-interface issue distinct from IDNA conversion functionality.

This library provides one such mapping, that was developed by the Unicode Consortium. Known as `Unicode IDNA Compatibility Processing <<http://unicode.org/reports/tr46/>>`, it provides for both a regular mapping for typical applications, as well as a transitional mapping to help migrate from older IDNA 2003 applications.

For example, “Königsgäßchen” is not a permissible label as \*LATIN CAPITAL LETTER K\* is not allowed (nor are capital letters in general). UTS 46 will convert this into lower case prior to applying the IDNA conversion.

.. code-block:: pycon

```
# Python 3
>>> import idna
>>> idna.encode(u'Königsgäßchen')
...
idna.core.InvalidCodepoint: Codepoint U+004B at position 1 of 'Königsgäßchen' not allowed
>>> idna.encode('Königsgäßchen', uts46=True)
b'xn--knigsgchen-b4a3dun'
>>> print(idna.decode('xn--knigsgchen-b4a3dun'))
königsgäßchen
```

Transitional processing provides conversions to help transition from the older 2003 standard to the current standard. For example, in the original IDNA specification, the \*LATIN SMALL LETTER SHARP S\* (ß) was converted into two \*LATIN SMALL LETTER S\* (ss), whereas in the current IDNA specification this conversion is not performed.

.. code-block:: pycon

```
# Python 2
>>> idna.encode(u'Königsgäßchen', uts46=True, transitional=True)
'xn--knigsgsschen-lcb0w'
```

Implementors should use transitional processing with caution, only in rare cases where conversion from legacy labels to current labels must be performed (i.e. IDNA implementations that pre-date 2008). For typical applications that just need to convert labels, transitional processing is unlikely to be beneficial and could produce

unexpected incompatible results.

## `encodings.idna` Compatibility

+++++

Function calls from the Python built-in `encodings.idna` module are mapped to their IDNA 2008 equivalents using the `idna.compat` module. Simply substitute the `import` clause in your code to refer to the new module name.

## Exceptions

-----

All errors raised during the conversion following the specification should raise an exception derived from the `idna.IDNAError` base class.

More specific exceptions that may be generated as `idna.IDNABidiError` when the error reflects an illegal combination of left-to-right and right-to-left characters in a label; `idna.InvalidCodepoint` when a specific codepoint is an illegal character in an IDN label (i.e. INVALID); and `idna.InvalidCodepointContext` when the codepoint is

illegal based on its positional context (i.e. it is CONTEXTO or CONTEXTJ but the contextual requirements are not satisfied.)

## Building and Diagnostics

-----

The IDNA and UTS 46 functionality relies upon pre-calculated lookup tables for performance. These tables are derived from computing against eligibility criteria in the respective standards. These tables are computed using the command-line script `tools/idna-data`.

This tool will fetch relevant tables from the Unicode Consortium and perform the required calculations to identify eligibility. It has three main modes:

\* `idna-data make-libdata`. Generates `idnadata.py` and `uts46data.py`, the pre-calculated lookup tables using for IDNA and UTS 46 conversions. Implementors who wish to track this library against a different Unicode version may use this tool to manually generate a different version of the `idnadata.py` and `uts46data.py` files.

\* `idna-data make-table`. Generate a table of the IDNA disposition (e.g. PVALID, CONTEXTJ, CONTEXTO) in the format found in Appendix B.1 of RFC 5892 and the pre-computed tables published by IANA <<http://iana.org/>>.

\* `idna-data U+0061`. Prints debugging output on the various properties associated with an individual Unicode codepoint (in this case, U+0061), that are

used to assess the IDNA and UTS 46 status of a codepoint. This is helpful in debugging or analysis.

The tool accepts a number of arguments, described using ```idna-data -h```. Most notably, the ```--version``` argument allows the specification of the version of Unicode to use in computing the table data. For example, ```idna-data --version 9.0.0 make-libdata``` will generate library data against Unicode 9.0.0.

Note that this script requires Python 3, but all generated library data will work in Python 2.7.

## Testing

-----

The library has a test suite based on each rule of the IDNA specification, as well as tests that are provided as part of the Unicode Technical Standard 46, `Unicode IDNA Compatibility Processing` <<http://unicode.org/reports/tr46/>>`\_.

The tests are run automatically on each commit at Travis CI:

```
.. image:: https://travis-ci.org/kjd/idna.svg?branch=master
   :target: https://travis-ci.org/kjd/idna
```

Platform: UNKNOWN

Classifier: Development Status :: 5 - Production/Stable

Classifier: Intended Audience :: Developers

Classifier: Intended Audience :: System Administrators

Classifier: License :: OSI Approved :: BSD License

Classifier: Operating System :: OS Independent

Classifier: Programming Language :: Python

Classifier: Programming Language

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Classifier: Programming Language :: Python :: 2.7

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Classifier: Programming Language :: Python :: 3.4

Classifier: Programming Language :: Python :: 3.5

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Classifier: Programming Language :: Python :: 3.7

Classifier: Programming Language :: Python :: 3.8

Classifier: Programming Language :: Python :: Implementation :: CPython

Classifier: Programming Language :: Python :: Implementation :: PyPy

Classifier: Topic :: Internet :: Name Service (DNS)

Classifier: Topic :: Software Development :: Libraries :: Python Modules

Classifier: Topic :: Utilities

Requires-Python: >=2.7, !=3.0.\*, !=3.1.\*, !=3.2.\*, !=3.3.\*

Found in path(s):

\* /opt/cola/permits/1084378005\_1605212166.93/0/idna-2-9-1-tar-gz/idna-2.9/PKG-INFO  
\* /opt/cola/permits/1084378005\_1605212166.93/0/idna-2-9-1-tar-gz/idna-2.9/idna.egg-info/PKG-INFO

# 1.733 bluez 5.50-r0

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## 1.735 python3-cffi 1.14.0-r0

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```
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```

```
<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice
```

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it
under certain conditions; type `show c' for details.
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<signature of Ty Coon>, 1 April 1989
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## 1.743 python-pyparsing 2.4.2-r0

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## 1.744 nmap 7.80-r0

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On all platforms, Nmap is normally linked with:

- o libpcap: Network packet capture library. Distributed with Nmap in the libpcap subdirectory.  
<http://www.tcpdump.org/>
- o libdnet: Networking library, used for low-level tasks such as sending ethernet frames. A modified version is distributed with Nmap in the libdnet-stripped subdirectory. A summary of Nmap-local modifications is in the file NMAP\_MODIFICATIONS.  
<http://code.google.com/p/libdnet/>

- o PCRE: Perl-compatible regular expressions. PCRE is part of Nmap's version detection and is also made available as an NSE library. Distributed with Nmap in the libpcre subdirectory.  
<http://www.pcre.org/>
- o liblua: Lua programming language. Lua is the implementation language of NSE, the Nmap Scripting Engine. Nmap links with liblua to allow running Lua programs inside Nmap. Distributed with Nmap in the liblua subdirectory. liblua can be omitted by configuring with the `--without-liblua` configuration directive.  
<http://www.lua.org/>
- o OpenSSL: Cryptographic library. OpenSSL is used by service detection and by NSE to connect to SSL services. NSE also provides access to OpenSSL functions such as encryption and digest calculation. OpenSSL can be disabled by configuring with the `--without-openssl` configuration directive.  
<http://www.openssl.org/>
- o LIBLINEAR. Used for IPv6 OS classification.  
<http://www.csie.ntu.edu.tw/~cjlin/liblinear/>
- o libsvn. The Subversion library, used by the updater program `nmap-update`. <http://subversion.apache.org/>
- o APR (Apache Portable Runtime). Used by libsvn. <http://apr.apache.org/>

On Windows only, Nmap uses:

- o WinPcap: libpcap for Windows. The libpcap license applies to WinPcap, and it also has its own license. A binary copy of the library is distributed with Nmap in the subdirectory `m32/winpcap`.  
<http://www.winpcap.org/>

Certain Nmap Scripting Engine scripts use the simplified BSD license in `licenses/BSD-simplified`.

Zenmap and Ndiff require:

- o Python. The binary distributions of Nmap include a Python interpreter and various libraries, built using either `py2exe` or `py2app`.  
<http://www.python.org/>

The Windows and Mac OS X binary packages include bundled versions of:

- o GLib, GTK+, ATK, Pango: These libraries are licensed under the GNU LGPL 2, a copy of which is in the file `licenses/LGPL-2`.  
<http://www.gtk.org/>
- o Cairo: graphics library. Dual-licensed under the GNU LGPL 2.1 and the MPL 1.1. See the files `licenses/LGPL-2.1` and `licenses/MPL-1.1`.  
<http://www.cairographics.org/>
- o libgailutil: Accessibility support for GTK+.
- o libpng, jpeg, LibTIFF: Image file format libraries used by GTK+.  
<http://www.libpng.org/> <http://www.ijg.org/> <http://www.libtiff.org/>
- o zlib and bzip2: compression libraries.

- <http://www.zlib.org/> <http://www.bzip.org/>
- o Expat: XML parser library.  
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- o fontconfig: font configuration library.  
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The Mac OS binary packages also include:

- o Various X.org libraries. These were built using MacPorts.  
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## THE BASIC LIBRARY FUNCTIONS

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Written

by: Philip Hazel

Email local part: ph10

Email domain: cam.ac.uk

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```

```
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# glib/__init__.py: initialisation file for glib module
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## 1.747 python-wcwidth 0.1.7-r0

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# 1.749 fuse 2.9.9-r0

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## 1.751 python3-itsdangerous 0.24-r0

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Any executables

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

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# 1.753 python3-markupsafe 1.1.1-r0

## 1.753.1 Available under license :

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```
/**
 * markupsafe._speedups
 * ~~~~~
 *
 * C implementation of escaping for better performance. Used instead of
 * the native Python implementation when compiled.
 *
 * :copyright: 2010 Pallets
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 */
```

Found in path(s):

```
* /opt/cola/permits/1123974655_1612299707.81/0/markupsafe-1-1-1-1-tar-gz/MarkupSafe-1.1.1/src/markupsafe/_speedups.c
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```

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```
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Metadata-Version: 1.2

Name: MarkupSafe

Version: 1.1.1

Summary: Safely add untrusted strings to HTML/XML markup.

Home-page: <https://palletsprojects.com/p/markupsafe/>

Author: Armin Ronacher

Author-email: [armin.ronacher@active-4.com](mailto:armin.ronacher@active-4.com)

Maintainer: The Pallets Team

Maintainer-email: [contact@palletsprojects.com](mailto:contact@palletsprojects.com)

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Project-URL: Documentation, <https://markupsafe.palletsprojects.com/>

Project-URL: Code, <https://github.com/pallets/markupsafe>

Project-URL: Issue tracker, <https://github.com/pallets/markupsafe/issues>

Description: MarkupSafe

=====

MarkupSafe implements a text object that escapes characters so it is safe to use in HTML and XML. Characters that have special meanings are replaced so that they display as the actual characters. This mitigates

injection attacks, meaning untrusted user input can safely be displayed on a page.

## Installing

-----

Install and update using `pip`:

.. code-block:: text

```
pip install -U MarkupSafe
```

.. \_pip: <https://pip.pypa.io/en/stable/quickstart/>

## Examples

-----

.. code-block:: pycon

```
>>> from markupsafe import Markup, escape
>>> # escape replaces special characters and wraps in Markup
>>> escape('<script>alert(document.cookie);</script>')
Markup(u'&lt;script&gt;alert(document.cookie);&lt;/script&gt;')
>>> # wrap in Markup to mark text "safe" and prevent escaping
>>> Markup('<strong>Hello</strong>')
Markup('<strong>hello</strong>')
>>> escape(Markup('<strong>Hello</strong>'))
Markup('<strong>hello</strong>')
>>> # Markup is a text subclass (str on Python 3, unicode on Python 2)
>>> # methods and operators
```

escape their arguments

```
>>> template = Markup("Hello <em>%s</em>")
>>> template % "World"
Markup('Hello <em>&#34;World&#34;</em>')
```

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-----

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## Links

-----

- \* Website: <https://palletsprojects.com/p/markupsafe/>
- \* Documentation: <https://markupsafe.palletsprojects.com/>
- \* License: `BSD-3-Clause <<https://github.com/pallets/markupsafe/blob/master/LICENSE.rst>>`\_
- \* Releases: <https://pypi.org/project/MarkupSafe/>
- \* Code: <https://github.com/pallets/markupsafe>
- \* Issue tracker:

<https://github.com/pallets/markupsafe/issues>

- \* Test status:
  - \* Linux, Mac: <https://travis-ci.org/pallets/markupsafe>
  - \* Windows: <https://ci.appveyor.com/project/pallets/markupsafe>
- \* Test coverage: <https://codecov.io/gh/pallets/markupsafe>

Platform: UNKNOWN

Classifier: Development Status :: 5 - Production/Stable

Classifier: Environment :: Web Environment

Classifier: Intended Audience :: Developers

Classifier: License :: OSI Approved :: BSD License

Classifier: Operating System :: OS Independent

Classifier: Programming Language :: Python

Classifier: Programming Language :: Python :: 2

Classifier: Programming Language :: Python :: 2.7

Classifier: Programming Language :: Python :: 3

Classifier: Programming Language :: Python :: 3.4

Classifier: Programming Language :: Python :: 3.5

Classifier: Programming Language :: Python :: 3.6

Classifier: Programming Language :: Python :: 3.7

Classifier: Topic :: Internet :: WWW/HTTP

:: Dynamic Content

Classifier: Topic :: Software Development :: Libraries :: Python Modules

Classifier: Topic :: Text Processing :: Markup :: HTML

Requires-Python: >=2.7,!3.0.\*,!=3.1.\*,!=3.2.\*,!=3.3.\*

Found in path(s):

\* /opt/cola/permits/1123974655\_1612299707.81/0/markupsafe-1-1-1-1-tar-gz/MarkupSafe-1.1.1/PKG-INFO

\* /opt/cola/permits/1123974655\_1612299707.81/0/markupsafe-1-1-1-1-tar-gz/MarkupSafe-

1.1.1/src/MarkupSafe.egg-info/PKG-INFO

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\* /opt/cola/permits/1123974655\_1612299707.81/0/markupsafe-1-1-1-1-tar-gz/MarkupSafe-

1.1.1/src/markupsafe/\_native.py  
\* /opt/cola/permits/1123974655\_1612299707.81/0/markupsafe-1-1-1-1-tar-gz/MarkupSafe-  
1.1.1/src/markupsafe/\_\_\_init\_\_\_py  
\* /opt/cola/permits/1123974655\_1612299707.81/0/markupsafe-1-1-1-1-tar-gz/MarkupSafe-  
1.1.1/src/markupsafe/\_compat.py  
\* /opt/cola/permits/1123974655\_1612299707.81/0/markupsafe-1-1-1-1-tar-gz/MarkupSafe-  
1.1.1/src/markupsafe/\_constants.py

# 1.754 mdadm 4.1-r0

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## 1.756 libidn 2.2.0-r0

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```
import io
import re

from setuptools import find_packages
from setuptools import setup

with io.open("README.rst", "rt", encoding="utf8") as f:
    readme = f.read()

with io.open("src/jinja2/__init__.py", "rt", encoding="utf8") as f:
    version = re.search(r'__version__ = "(.*?)"', f.read(), re.M).group(1)

setup(
    name="Jinja2",
    version=version,
    url="https://palletsprojects.com/p/jinja/",
    project_urls={
        "Documentation": "https://jinja.palletsprojects.com/",
        "Code": "https://github.com/pallets/jinja",
        "Issue tracker": "https://github.com/pallets/jinja/issues",
    },
    license="BSD-3-Clause",
    author="Armin Ronacher",
```

```

author_email="armin.ronacher@active-4.com",
maintainer="Pallets",
maintainer_email="contact@palletsprojects.com",
description="A very fast and expressive template engine.",
long_description=readme,
classifiers=[
    "Development Status
:: 5 - Production/Stable",
    "Environment :: Web Environment",
    "Intended Audience :: Developers",
    "License :: OSI Approved :: BSD License",
    "Operating System :: OS Independent",
    "Programming Language :: Python",
    "Programming Language :: Python :: 2",
    "Programming Language :: Python :: 2.7",
    "Programming Language :: Python :: 3",
    "Programming Language :: Python :: 3.5",
    "Programming Language :: Python :: 3.6",
    "Programming Language :: Python :: 3.7",
    "Programming Language :: Python :: 3.8",
    "Programming Language :: Python :: Implementation :: CPython",
    "Programming Language :: Python :: Implementation :: PyPy",
    "Topic :: Internet :: WWW/HTTP :: Dynamic Content",
    "Topic :: Software Development :: Libraries :: Python Modules",
    "Topic :: Text Processing :: Markup :: HTML",
],
packages=find_packages("src"),
package_dir={"": "src"},
include_package_data=True,
python_requires=">=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*, !=3.4.*",
install_requires=["MarkupSafe>=0.23"],
extras_require={"i18n": ["Babel>=0.8"]},
entry_points={"babel.extractors": ["jinja2 = jinja2.ext:babel_extract[i18n]"]},
)

```

Found in path(s):

\* /opt/cola/permits/1155142552\_1620384683.72/0/jinja2-2-11-2-1-tar-gz/Jinja2-2.11.2/setup.py

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Metadata-Version: 2.1

Name: Jinja2

Version: 2.11.2

Summary: A very fast and expressive template engine.

Home-page: <https://palletsprojects.com/p/jinja/>

Author: Armin Ronacher

Author-email: [armin.ronacher@active-4.com](mailto:armin.ronacher@active-4.com)

Maintainer: Pallets

Maintainer-email: [contact@palletsprojects.com](mailto:contact@palletsprojects.com)

License: BSD-3-Clause

Project-URL: Documentation, <https://jinja.palletsprojects.com/>

Project-URL: Code, <https://github.com/pallets/jinja>

Project-URL: Issue tracker, <https://github.com/pallets/jinja/issues>

Description: Jinja

=====

Jinja is a fast, expressive, extensible templating engine. Special placeholders in the template allow writing code similar to Python syntax. Then the template is passed data to render the final document.

It includes:

- Template inheritance and inclusion.

- Define and import macros within templates.
- HTML templates can use autoescaping to prevent XSS from untrusted user input.
- A sandboxed environment can safely render untrusted templates.
- AsyncIO support for generating templates and calling async functions.
- I18N support with Babel.
- Templates are compiled to optimized Python code just-in-time and cached, or can be compiled ahead-of-time.
- Exceptions point to the correct line in templates to make debugging easier.
- Extensible filters, tests, functions, and even syntax.

Jinja's philosophy is that while application logic belongs in Python if possible, it shouldn't make the template designer's job difficult by restricting functionality too much.

## Installing

-----

Install and update using `pip`:

.. code-block:: text

```
$ pip install -U Jinja2
```

.. \_pip:

<https://pip.pypa.io/en/stable/quickstart/>

## In A Nutshell

-----

.. code-block:: jinja

```
{% extends "base.html" %}
{% block title %}Members{% endblock %}
{% block content %}
<ul>
  {% for user in users %}
    <li><a href="{{ user.url }}">{{ user.username }}</a></li>
  {% endfor %}
</ul>
{% endblock %}
```

## Links

-----

- Website: <https://palletsprojects.com/p/jinja/>
- Documentation: <https://jinja.palletsprojects.com/>
- Releases: <https://pypi.org/project/Jinja2/>
- Code: <https://github.com/pallets/jinja>
- Issue tracker: <https://github.com/pallets/jinja/issues>
- Test status: [https://dev.azure.com/pallets/jinja/\\_build](https://dev.azure.com/pallets/jinja/_build)
- Official chat: <https://discord.gg/t6rrQZH>

Platform: UNKNOWN

Classifier: Development

Status :: 5 - Production/Stable

Classifier: Environment :: Web Environment

Classifier: Intended Audience :: Developers

Classifier: License :: OSI Approved :: BSD License

Classifier: Operating System :: OS Independent

Classifier: Programming Language :: Python

Classifier: Programming Language :: Python :: 2

Classifier: Programming Language :: Python :: 2.7

Classifier: Programming Language :: Python :: 3

Classifier: Programming Language :: Python :: 3.5

Classifier: Programming Language :: Python :: 3.6

Classifier: Programming Language :: Python :: 3.7

Classifier: Programming Language :: Python :: 3.8

Classifier: Programming Language :: Python :: Implementation :: CPython

Classifier: Programming Language :: Python :: Implementation :: PyPy

Classifier: Topic :: Internet :: WWW/HTTP :: Dynamic Content

Classifier: Topic :: Software Development :: Libraries :: Python Modules

Classifier: Topic :: Text Processing :: Markup :: HTML

Requires-Python: >=2.7, !=3.0.\*, !=3.1.\*, !=3.2.\*, !=3.3.\*, !=3.4.\*

Description-Content-Type:

text/x-rst

Provides-Extra: i18n

Found in path(s):

\* /opt/cola/permits/1155142552\_1620384683.72/0/jinja2-2-11-2-1-tar-gz/Jinja2-2.11.2/src/Jinja2.egg-info/PKG-INFO

\* /opt/cola/permits/1155142552\_1620384683.72/0/jinja2-2-11-2-1-tar-gz/Jinja2-2.11.2/PKG-INFO

# 1.765 libtpms2 0.7+gitAUTOINC+1ea1261c05-r0

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ConferenceTV card

+ many more (please mail me if you are missing in this list and would like to be mentioned)

/\* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)

\* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)

\*

\* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.

\* <http://www.hypermall.com/>

\* 10/1/97 - commented out CFG\_PHYIE bit - we don't care when the PHY



- \* interrupts us (except possibly for removal/insertion of the cable?)
- \* 10/4/97 - began heavy inline documentation of the code. Corrected typos
- \* and spelling mistakes.
- \* 10/5/97 - added code to handle PHY interrupts, disable PHY on
- \* loss of link, and correctly re-enable PHY when link is
- \* re-established. (put back CFG\_PHYIE)
- \*
- \* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
- \*
- \* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
- \*
- \* Linux driver for the IDT77201 NICStAR PCI ATM controller.
- \* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
- \* see init\_nicstar() for PHY initialization to change this. This driver
- \* expects the Linux ATM stack to support scatter-gather
- lists
- \* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
- \*
- \* Implementing minimal-copy of received data:
- \* IDT always receives data into a small buffer, then large buffers
- \* as needed. This means that data must always be copied to create
- \* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
- \* Fix is simple: make large buffers large enough to hold entire
- \* SDU, and leave <small\_buffer\_data> bytes empty at the start. Then
- \* copy small buffer contents to head of large buffer.
- \* Trick is to avoid fragmenting Linux, due to need for a lot of large
- \* buffers. This is done by 2 things:
- \* 1) skb->destructor / skb->atm.recycle\_buffer
- \* combined, allow nicstar\_free\_rx\_skb to be called to
- \* recycle large data buffers
- \* 2) skb\_clone of received buffers
- \* See nicstar\_free\_rx\_skb and linearize\_buffer for implementation
- \* details.
- \*
- \*
- \*
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\*  
\* M. Welsh, 6 July 1996

\*  
\*  
\*/

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QLogic Linux Networking HBA Driver

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for his contributions to the dvb-net driver

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for CyberLogin for Linux which allows logging onto EON  
(in case you are wondering where CyberLogin is, EON changed its login procedure and CyberLogin is no longer used.)

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for the nxt2004 frontend driver

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for merging the nxt2002 and nxt2004 modules into a  
single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop  
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Upstream-Contact: Doug Ledford <dledford@redhat.com>,

Leon Romanovsky <Leon@kernel.org>

Source: <https://github.com/linux-rdma/rdma-core>

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## 1.777 libaio 0.3.111-r0

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- \*/

Found

in path(s):

\* /opt/cola/permits/1794445790\_1694515717.5994396/0/e7879f0bdab1fc6f226db6f6f848d58f50548de4-tftp-hpa-5-2-1-tar-bz2/tftp-hpa-5.2/tftpd/tftpd.c

No license file was found, but licenses were detected in source scan.

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\*/

Found in path(s):

\* /opt/cola/permits/1794445790\_1694515717.5994396/0/e7879f0bdab1fc6f226db6f6f848d58f50548de4-tftp-hpa-5-2-1-tar-bz2/tftp-hpa-5.2/common/tftpsubs.c

\*

/opt/cola/permits/1794445790\_1694515717.5994396/0/e7879f0bdab1fc6f226db6f6f848d58f50548de4-tftp-hpa-5-2-1-tar-bz2/tftp-hpa-5.2/tftp/tftp.c

\* /opt/cola/permits/1794445790\_1694515717.5994396/0/e7879f0bdab1fc6f226db6f6f848d58f50548de4-tftp-hpa-5-2-1-tar-bz2/tftp-hpa-5.2/tftp/main.c

No license file was found, but licenses were detected in source scan.

/\* ----- \*

\*

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\*

\* ----- \*/

Found in path(s):

\* /opt/cola/permits/1794445790\_1694515717.5994396/0/e7879f0bdab1fc6f226db6f6f848d58f50548de4-tftp-hpa-5-2-1-tar-bz2/tftp-hpa-5.2/tftpd/recvfrom.c

\* /opt/cola/permits/1794445790\_1694515717.5994396/0/e7879f0bdab1fc6f226db6f6f848d58f50548de4-tftp-hpa-5-2-1-tar-bz2/tftp-hpa-5.2/tftpd/recvfrom.h

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Found in path(s):

```
* /opt/cola/permits/1794445790_1694515717.5994396/0/e7879f0bdab1fc6f226db6f6f848d58f50548de4-tftp-hpa-5-2-1-tar-bz2/tftp-hpa-5.2/MCONFIG.in
```

No license file was found, but licenses were detected in source scan.

Summary: The client for the Trivial File Transfer Protocol (TFTP).

Name: tftp

Version: 5.2

Release: 1

License: BSD

Group: Applications/Internet

Source0: <http://www.kernel.org/pub/software/network/tftp/tftp-hpa-%{version}.tar.gz>

BuildRequires: tcp\_wrappers-devel

BuildRoot: %{\_tmppath}/%{name}-root

%description

The Trivial File Transfer Protocol (TFTP) is normally used only for booting diskless workstations. The tftp package provides the user interface for TFTP, which allows users to transfer files to and from a remote machine. This program and TFTP provide very little security, and should not be enabled unless it is expressly needed.

%package server

Group: System Environment/Daemons

Summary: The server for the Trivial File Transfer Protocol (TFTP).

Requires: xinetd

%description server

The Trivial File Transfer Protocol (TFTP) is normally used only for booting diskless workstations. The tftp-server package provides the server for TFTP, which allows users to transfer files to and from a remote machine. TFTP provides very little security, and should not be enabled unless it is expressly needed. The TFTP server is run from /etc/xinetd.d/tftp, and is disabled by default on Red Hat Linux systems.

%prep

%setup -q -n tftp-hpa-%{version}

%build

%configure

make %{?\_smp\_mflags}

%install

rm -rf \${RPM\_BUILD\_ROOT}

mkdir -p \${RPM\_BUILD\_ROOT}%{\_bindir}

mkdir -p \${RPM\_BUILD\_ROOT}%{\_mandir}/man{1,8}

mkdir -p \${RPM\_BUILD\_ROOT}%{\_sbindir}

```

make INSTALLROOT=${RPM_BUILD_ROOT} \
  SBINDIR=%{_sbindir} MANDIR=%{_mandir} \
install
install -m755 -d ${RPM_BUILD_ROOT}%{_sysconfdir}/xinetd.d/ ${RPM_BUILD_ROOT}/tftpboot
install -m644 tftp-xinetd ${RPM_BUILD_ROOT}%{_sysconfdir}/xinetd.d/tftp

%post server
/sbin/service xinetd reload > /dev/null 2>&1 || :

%postun server
if [ $1 = 0 ]; then
  /sbin/service xinetd reload > /dev/null 2>&1 || :
fi

%clean
rm -rf ${RPM_BUILD_ROOT}

%files
%defattr(-,root,root)
%{_bindir}/tftp
%{_mandir}/man1/*

%files
server
%defattr(-,root,root)
%config(noreplace) %{_sysconfdir}/xinetd.d/tftp
%dir /tftpboot
%{_sbindir}/in.tftpd
%{_mandir}/man8/*

%changelog
* Tue Sep 14 2004 H. Peter Anvin <hpa@zytor.com>
- removed completely broken "Malta" patch.
- integrated into build machinery so rpm -ta works.

* Fri Feb 13 2004 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Wed Jun 04 2003 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Fri Apr 11 2003 Elliot Lee <sopwith@redhat.com>
- 0.33
- Add /tftpboot directory (#88204)

* Mon Feb 24 2003 Elliot Lee <sopwith@redhat.com>
- rebuilt

```

- \* Sun Feb 23 2003 Tim Powers <timp@redhat.com>
  - add BuildPreReq on tcp\_wrappers
- \* Wed Jan 22 2003 Tim Powers <timp@redhat.com>
  - rebuilt
- \* Mon Nov 11 2002 Elliot Lee <sopwith@redhat.com> 0.32-1
  - Update to 0.32
- \* Wed Oct 23 2002 Elliot Lee <sopwith@redhat.com> 0.30-1
  - Fix #55789
  - Update to 0.30
- \* Thu Jun 27 2002 Elliot Lee <sopwith@redhat.com>
  - Try applying HJ's patch from #65476
- \* Fri Jun 21 2002 Tim Powers <timp@redhat.com>
  - automated rebuild
- \* Mon Jun 17 2002 Elliot Lee <sopwith@redhat.com>
  - Update to 0.29
- \* Thu May 23 2002 Tim Powers <timp@redhat.com>
  - automated rebuild
- \* Wed Jan 09 2002 Tim Powers <timp@redhat.com>
  - automated rebuild
- \* Tue Dec 18 2001 Elliot Lee <sopwith@redhat.com> 0.17-15
  - Add patch4: netkit-tftp-0.17-defaultport.patch for bug #57562
  - Update to tftp-hpa-0.28 (bug #56131)
  - Remove include/arpa/tftp.h to fix #57259
  - Add resource limits in tftp-xinetd (#56722)
- \* Sun Jun 24 2001 Elliot Lee <sopwith@redhat.com>
  - Bump release + rebuild.
- \* Tue Jun 12 2001 Helge Deller <hdeller@redhat.de> (0.17-13)
  - updated tftp-hpa source to tftp-hpa-0.17
  - tweaked specfile with different defines for tftp-netkit and tftp-hpa version
  - use hpa's tftpd.8 man page instead of the netkits one
- \* Mon May 07 2001 Helge Deller <hdeller@redhat.de>
  - rebuilt in 7.1.x
- \* Wed Apr 18 2001 Helge Deller <hdeller@redhat.de>



- fix tftp client's put problems (#29529)
- update  
to tftp-hpa-0.16
  
- \* Wed Apr 4 2001 Jakub Jelinek <jakub@redhat.com>
- don't let configure to guess compiler, it can pick up eggs
  
- \* Thu Feb 08 2001 Helge Deller <hdeller@redhat.de>
- changed "wait" in xinetd file to "yes" (hpa-tftpd forks and exits) (#26467)
- fixed hpa-tftpd to handle files greater than 32MB (#23725)
- added "-l" flag to hpa-tftpd for file-logging (#26467)
- added description for "-l" to the man-page
  
- \* Thu Feb 08 2001 Helge Deller <hdeller@redhat.de>
- updated tftp client to 0.17 stable (#19640),
- drop dependency on xinetd for tftp client (#25051),
  
- \* Wed Jan 17 2001 Jeff Johnson <jbj@redhat.com>
- xinetd shouldn't wait on tftp (which forks) (#23923).
  
- \* Sat Jan 6 2001 Jeff Johnson <jbj@redhat.com>
- fix to permit tftp put's (#18128).
- startup as root with chroot to /tftpboot with early reversion to nobody  
is preferable to starting as nobody w/o ability to chroot.
- %%post is needed by server, not client. Add %%postun for erasure as well.
  
- \* Wed Aug 23 2000
- Nalin Dahyabhai <nalin@redhat.com>
- default to being disabled
  
- \* Thu Aug 17 2000 Jeff Johnson <jbj@redhat.com>
- correct group.
  
- \* Tue Jul 25 2000 Nalin Dahyabhai <nalin@redhat.com>
- change user from root to nobody
  
- \* Sat Jul 22 2000 Jeff Johnson <jbj@redhat.com>
- update to tftp-hpa-0.14 (#14003).
- add server\_args (#14003).
- remove -D\_BSD\_SOURCE (#14003).
  
- \* Fri Jul 21 2000 Nalin Dahyabhai <nalin@redhat.com>
- cook up an xinetd config file for tftpd
  
- \* Wed Jul 12 2000 Prospector <bugzilla@redhat.com>
- automatic rebuild
  
- \* Sun Jun 18 2000 Jeff Johnson <jbj@redhat.com>

- FHS packaging.
- update to 0.17.
  
- \* Fri May 5 2000 Matt Wilson <msw@redhat.com>
- use `_BSD_SOURCE` for hpa's tftpd so we get BSD signal semantics.
  
- \* Fri Feb 11 2000 Bill Nottingham <notting@redhat.com>
- fix description
  
- \* Wed Feb 9 2000 Jeff Johnson <jbj@redhat.com>
- compress man pages (again).
  
- \* Wed Feb 02 2000 Cristian Gafton <gafton@redhat.com>
- man pages are compressed
- fix description and summary
  
- \* Tue
- Jan 4 2000 Bill Nottingham <notting@redhat.com>
- split client and server
  
- \* Tue Dec 21 1999 Jeff Johnson <jbj@redhat.com>
- update to 0.16.
  
- \* Sat Aug 28 1999 Jeff Johnson <jbj@redhat.com>
- update to 0.15.
  
- \* Wed Apr 7 1999 Jeff Johnson <jbj@redhat.com>
- tftpd should truncate file when overwriting (#412)
  
- \* Sun Mar 21 1999 Cristian Gafton <gafton@redhat.com>
- auto rebuild in the new build environment (release 22)
  
- \* Mon Mar 15 1999 Jeff Johnson <jbj@redhat.com>
- compile for 6.0.
  
- \* Fri Aug 7 1998 Jeff Johnson <jbj@redhat.com>
- build root
  
- \* Mon Apr 27 1998 Prospector System <bugs@redhat.com>
- translations modified for de, fr, tr
  
- \* Mon Sep 22 1997 Erik Troan <ewt@redhat.com>
- added check for `getpwnam()` failure
  
- \* Tue Jul 15 1997 Erik Troan <ewt@redhat.com>
- initial build

Found in path(s):

\* /opt/cola/permits/1794445790\_1694515717.5994396/0/e7879f0bdab1fc6f226db6f6f848d58f50548de4-tftp-hpa-5-2-1-tar-bz2/tftp-hpa-5.2/tftp.spec

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* http://www.openbsd.org/.
*
*-----*/
```

Found in path(s):

\* /opt/cola/permits/1794445790\_1694515717.5994396/0/e7879f0bdab1fc6f226db6f6f848d58f50548de4-tftp-hpa-5-2-1-tar-bz2/tftp-hpa-5.2/config.h

No license file was found, but licenses were detected in source scan.

Summary: The client for the Trivial File Transfer Protocol (TFTP).

Name: tftp

Version: @@VERSION@@

Release: 1

License: BSD

Group: Applications/Internet

Source0: <http://www.kernel.org/pub/software/network/tftp/tftp-hpa-%{version}.tar.gz>

BuildRequires: tcp\_wrappers-devel

BuildRoot: %{\_tmppath}/%{name}-root

%description

The Trivial File Transfer Protocol (TFTP) is normally used only for booting diskless workstations. The tftp package provides the user interface for TFTP, which allows users to transfer files to and from a remote machine. This program and TFTP provide very little security, and should not be enabled unless it is expressly needed.

%package server

Group: System Environment/Daemons

Summary: The server for the Trivial File Transfer Protocol (TFTP).

Requires: xinetd

%description server

The Trivial File Transfer Protocol (TFTP) is normally used only for booting diskless workstations. The tftp-server package provides the server for TFTP, which allows users to transfer files to and from a remote machine. TFTP provides very little security, and should not be enabled unless it is expressly needed. The TFTP server is run from

/etc/xinetd.d/tftp, and is disabled by default on Red Hat Linux systems.

```
%prep
%setup -q -n tftp-hpa-%{version}

%build

%configure
make %{?_smp_mflags}

%install
rm -rf ${RPM_BUILD_ROOT}
mkdir -p ${RPM_BUILD_ROOT}%{_bindir}
mkdir -p ${RPM_BUILD_ROOT}%{_mandir}/man{1,8}
mkdir -p ${RPM_BUILD_ROOT}%{_sbindir}

make INSTALLROOT=${RPM_BUILD_ROOT} \
  SBINDIR=%{_sbindir} MANDIR=%{_mandir} \
  install
install -m755 -d ${RPM_BUILD_ROOT}%{_sysconfdir}/xinetd.d/ ${RPM_BUILD_ROOT}/tftpboot
install -m644 tftp-xinetd ${RPM_BUILD_ROOT}%{_sysconfdir}/xinetd.d/tftp

%post server
/sbin/service xinetd reload > /dev/null 2>&1 || :

%postun server
if [ $1 = 0 ]; then
  /sbin/service xinetd reload > /dev/null 2>&1 || :
fi

%clean
rm -rf ${RPM_BUILD_ROOT}

%files
%defattr(-,root,root)
%{_bindir}/tftp
%{_mandir}/man1/*

%files
server
%defattr(-,root,root)
%config(noreplace) %{_sysconfdir}/xinetd.d/tftp
%dir /tftpboot
%{_sbindir}/in.tftpd
%{_mandir}/man8/*

%changelog
* Tue Sep 14 2004 H. Peter Anvin <hpa@zytor.com>
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  - 0.33
  - Add /tftpboot directory (#88204)
  
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  - FHS packaging.
  - update to 0.17.
  
- \* Fri May 5 2000 Matt Wilson <msw@redhat.com>
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  - fix description
  
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  - compress man pages (again).
  
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- compile for 6.0.

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- build root

\* Mon Apr 27 1998 Prospector System <bugs@redhat.com>

- translations modified for de, fr, tr

\* Mon Sep 22 1997 Erik Troan <ewt@redhat.com>

- added check for getpwnam() failure

\* Tue Jul 15 1997 Erik Troan <ewt@redhat.com>

- initial build

Found in path(s):

\* /opt/cola/permits/1794445790\_1694515717.5994396/0/e7879f0bdab1fc6f226db6f6f848d58f50548de4-tftp-hpa-5-2-1-tar-bz2/tftp-hpa-5.2/tftp.spec.in

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```
/* ----- */
```

```
/*
```

```
/* Copyright 2001 H. Peter Anvin - All Rights Reserved
```

```
/*
```

```
/* This program is free software available under the same license
```

```
/* as the "OpenBSD" operating system, distributed at
```

```
/* http://www.openbsd.org/.
```

```
/*
```

```
/* ----- */
```

Found in path(s):

\* /opt/cola/permits/1794445790\_1694515717.5994396/0/e7879f0bdab1fc6f226db6f6f848d58f50548de4-tftp-hpa-5-2-1-tar-bz2/tftp-hpa-5.2/tftpd/tftpd.h

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```

```
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```

Found in path(s):



\* /opt/cola/permits/1794445790\_1694515717.5994396/0/e7879f0bdab1fc6f226db6f6f848d58f50548de4-tftp-hpa-5-2-1-tar-bz2/tftp-hpa-5.2/tftpd/tftpd.8.in

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.\" 3. Neither the name of the University nor the names of its contributors

.\" without specific prior written permission.

Found in path(s):

\* /opt/cola/permits/1794445790\_1694515717.5994396/0/e7879f0bdab1fc6f226db6f6f848d58f50548de4-tftp-hpa-5-2-1-tar-bz2/tftp-hpa-5.2/tftp/tftp.1.in

No license file was found, but licenses were detected in source scan.

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\*/

Found in path(s):

\* /opt/cola/permits/1794445790\_1694515717.5994396/0/e7879f0bdab1fc6f226db6f6f848d58f50548de4-tftp-hpa-5-2-1-tar-bz2/tftp-hpa-5.2/tftp/extern.h

\*

/opt/cola/permits/1794445790\_1694515717.5994396/0/e7879f0bdab1fc6f226db6f6f848d58f50548de4-tftp-hpa-5-2-1-tar-bz2/tftp-hpa-5.2/common/tftpsubs.h

No license file was found, but licenses were detected in source scan.

/\* ----- \*/

\*

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\*

\* ----- \*/

Found in path(s):

\* /opt/cola/permits/1794445790\_1694515717.5994396/0/e7879f0bdab1fc6f226db6f6f848d58f50548de4-tftp-hpa-5-2-1-tar-bz2/tftp-hpa-5.2/tftpd/misc.c

\* /opt/cola/permits/1794445790\_1694515717.5994396/0/e7879f0bdab1fc6f226db6f6f848d58f50548de4-tftp-hpa-5-2-1-tar-bz2/tftp-hpa-5.2/tftpd/remap.c

\* /opt/cola/permits/1794445790\_1694515717.5994396/0/e7879f0bdab1fc6f226db6f6f848d58f50548de4-tftp-hpa-5-2-1-tar-bz2/tftp-hpa-5.2/tftpd/remap.h

## 1.779 xinetd 2.3.15-r2

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Modifications:

Version: 2.1.8.7-current

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Modifications:

Version: 2.1.8.7-current

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Sensor Addition

Version: 2.1.8.9pre14a

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This is an excerpt from an email I received from the original author, allowing xinetd as maintained by me, to use the higher version numbers:

I appreciate your maintaining the version string guidelines as specified in the copyright. But I did not mean them to last as long as they did.

So, if you want, you may use any 2.N.\* (N >= 3) version string for future xinetd versions that you release. Note that I am excluding the 2.2.\* line; using that would only create confusion. Naming the next release 2.3.0 would put to rest the confusion about 2.2.1 and 2.1.8.\*.  
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## 1.780 yajl 2.1.0-r0

### 1.780.1 Available under license :

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## 1.781 python-backports-lzma 0.0.3-r0

### 1.781.1 Available under license :

No license file was found, but licenses were detected in source scan.

Metadata-Version: 1.1

Name: backports.lzma

Version: 0.0.3

Summary: Backport of Python 3.3's 'lzma' module for XZ/LZMA compressed files.

Home-page: <https://github.com/peterjc/backports.lzma>

Author: Peter Cock, based on work by Nadeem Vawda and Per Oyvind Karlsen

Author-email: [p.j.a.cock@googlemail.com](mailto:p.j.a.cock@googlemail.com)

License: 3-clause BSD License

Description: This is a backport of the 'lzma' module included in Python 3.3 or later

by Nadeem Vawda and Per Oyvind Karlsen, which provides a Python wrapper for XZ Utils (aka LZMA Utils v2) by Igor Pavlov.

In order to compile this, you will need to install XZ Utils from <http://tukaani.org/xz/>

Keywords: xz lzma compression decompression

Platform: UNKNOWN

Classifier: Development Status :: 5 - Production/Stable

Classifier: Programming Language :: Python

Classifier: Programming Language :: Python :: 2.6

Classifier: Programming Language :: Python :: 2.7

Classifier:

Programming Language :: Python :: 3

Classifier: Topic :: Software Development :: Libraries :: Python Modules

Classifier: Intended Audience :: Developers

Classifier: License :: OSI Approved :: BSD License

Classifier: Topic :: System :: Archiving :: Compression

Found in path(s):

\* /opt/cola/permits/177697609\_1695328042.9187105/0/python-backports-lzma-0-0-3-r0-tar-bz2/python-backports-lzma-0.0.3-r0/backports.lzma-0.0.3/PKG-INFO

No license file was found, but licenses were detected in source scan.

license='3-clause BSD License',

'License :: OSI Approved :: BSD License',

Found in path(s):

\* /opt/cola/permits/177697609\_1695328042.9187105/0/python-backports-lzma-0-0-3-r0-tar-bz2/python-backports-lzma-0.0.3-r0/backports.lzma-0.0.3/setup.py

## 1.782 rapidjson 1.0.2-r0

### 1.782.1 Available under license :

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# 1.783 libsmi 0.5.0-r0

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-----  
lib/snprintf.c, lib/snprintf.h:

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-----  
tools/shhopt.c, tools/shhopt.h:

Title: shhopt - library for parsing command line options.

Version: 1.1.2

Entered-date: 23MAR97

Description: C-functions for parsing command line options, both  
traditional one-character options, and GNU'ish  
--long-options.

Keywords: programming, library, lib, commandline, options

Author: s.h.huseby@usit.uio.no (Sverre H. Huseby)

Primary-site: <http://www.ifi.uio.no/~sverrehu/pub-unix/>

Alternate-site: [sunsite.unc.edu /pub/Linux/libs](http://sunsite.unc.edu/pub/Linux/libs)

shhopt-1.1.2.tar.gz

Platforms: Requires ANSI C-compiler.

Copying-policy: BeerWare: If you have the time and  
money, send me a bottle

of your favourite beer. If not, just send me a mail or  
something. Copy and use as you wish; just leave the  
author's name where you find it.

-----  

## 1.784 email 4.0.2-r0

### 1.784.1 Available under license :

No license file was found, but licenses were detected in source scan.

Metadata-Version: 1.0

Name: email

Version: 4.0.2

Summary: Standalone email package

Home-page: <http://www.python.org/sigs/email-sig>

Author: Email SIG

Author-email: [email-sig@python.org](mailto:email-sig@python.org)

License: Python software Foundation

Description: This is the standalone email package. This is a copy of what's available in Python but you may want to use the standalone version if you want the latest and greatest email package, even in older Pythons.

Keywords: email

Platform: UNKNOWN

Found in path(s):

\* /opt/cola/permits/177695388\_1695327804.243507/0/email-4-0-2-r0-tar-bz2/email-4.0.2-r0/email.egg-info/PKG-INFO

\* /opt/cola/permits/177695388\_1695327804.243507/0/email-4-0-2-r0-tar-bz2/email-4.0.2-r0/PKG-INFO

No license file was found, but licenses were detected in source scan.

Return-Path: <[barry@python.org](mailto:barry@python.org)>

Delivered-To: [barry@python.org](mailto:barry@python.org)

Received: by mail.python.org (Postfix, from userid 889)  
id C2BF0D37C6; Tue, 11 Sep 2001 00:05:05 -0400 (EDT)

MIME-Version: 1.0

Content-Type: multipart/mixed; boundary="h90VIIIKmx"

Content-Transfer-Encoding: 7bit

Message-ID: <15261.36209.358846.118674@anthem.python.org>

From: [barry@python.org](mailto:barry@python.org) (Barry A. Warsaw)

To: [barry@python.org](mailto:barry@python.org)

Subject: a simple multipart

Date: Tue, 11 Sep 2001 00:05:05 -0400

X-Mailer: VM 6.95 under 21.4 (patch 4) "Artificial Intelligence" XEmacs Lucid

X-Attribution: BAW

X-Oblique-Strategy: Make a door into a window

--h90VIIIKmx

Content-Type: text/plain

Content-Disposition: inline;

filename="msg.txt"

Content-Transfer-Encoding: 7bit

a simple kind of mirror

to reflect upon our own

--h90VIIIKmx

Content-Type: text/plain

Content-Disposition: inline;

filename="msg.txt"

Content-Transfer-Encoding: 7bit

a simple kind of mirror  
to reflect  
upon our own

--h90VIIIKmx--

Found in path(s):

\* /opt/cola/permits/177695388\_1695327804.243507/0/email-4-0-2-r0-tar-bz2/email-4.0.2-r0/email/test/data/msg\_04.txt

No license file was found, but licenses were detected in source scan.

Return-Path: <barry@python.org>

Delivered-To: barry@python.org

Received: by mail.python.org (Postfix, from userid 889)  
id C2BF0D37C6; Tue, 11 Sep 2001 00:05:05 -0400 (EDT)

MIME-Version: 1.0

Content-Type: multipart/mixed; boundary="h90VIIIKmx"

Content-Transfer-Encoding: 7bit

Message-ID: <15261.36209.358846.118674@anthem.python.org>

From: barry@python.org (Barry A. Warsaw)

To: barry@python.org

Subject: a simple multipart

Date: Tue, 11 Sep 2001 00:05:05 -0400

X-Mailer: VM 6.95 under 21.4 (patch 4) "Artificial Intelligence" XEmacs Lucid

X-Attribution: BAW

X-Oblique-Strategy: Make a door into a window

--h90VIIIKmx

Content-Type: text/plain

Content-Disposition: inline; name="msg.txt"

Content-Transfer-Encoding: 7bit

a simple kind of mirror  
to reflect upon our own

--h90VIIIKmx

Content-Type: text/plain

Content-Disposition: inline; name="msg.txt"

Content-Transfer-Encoding: 7bit

a simple kind of mirror  
to reflect upon our  
own

--h90VIIIKmx--

Found in path(s):

\* /opt/cola/permits/177695388\_1695327804.243507/0/email-4-0-2-r0-tar-bz2/email-4.0.2-r0/email/test/data/msg\_44.txt

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Return-Path: <barry@python.org>

Delivered-To: barry@python.org

MIME-Version: 1.0

Content-Type: message/rfc822

Content-Description: forwarded message

Content-Transfer-Encoding: 7bit

Message-ID: <15265.9482.641338.555352@python.org>

From: barry@zope.com (Barry A. Warsaw)

Sender: barry@python.org

To: barry@python.org

Subject: forwarded message from Barry A. Warsaw

Date: Thu, 13 Sep 2001 17:28:42 -0400

X-Mailer: VM 6.95 under 21.4 (patch 4) "Artificial Intelligence" XEmacs Lucid

X-Attribution: BAW

X-Oblique-Strategy: Be dirty

X-Url: http://barry.wooz.org

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Return-Path: <barry@python.org>

Delivered-To: barry@python.org

Message-ID: <15265.9468.713530.98441@python.org>

From: barry@zope.com (Barry A. Warsaw)

Sender: barry@python.org

To: barry@python.org

Subject: testing

Date: Thu, 13 Sep 2001 17:28:28 -0400

X-Mailer: VM 6.95 under 21.4 (patch 4) "Artificial Intelligence"

XEmacs Lucid

X-Attribution: BAW

X-Oblique-Strategy: Spectrum analysis

X-Url: http://barry.wooz.org

Found in path(s):

\* /opt/cola/permits/177695388\_1695327804.243507/0/email-4-0-2-r0-tar-bz2/email-4.0.2-r0/email/test/data/msg\_06.txt

# 1.785 python-iso8601 0.1.12-r0

## 1.785.1 Available under license :

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## 1.786 tipccconfig 2.0.6-r0

## 1.787 golang 1.10.3-r0

### 1.787.1 Available under license :

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#
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# the appropriate Contributor License Agreement, found here:
#
# http://code.google.com/legal/individual-cla-v1.0.html
# http://code.google.com/legal/corporate-cla-v1.0.html
#
```

```
# The agreement for individuals can be filled out on the web.
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# Individual's name <submission email address> <email2> <emailN>
#
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# Please keep the list sorted.
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This file contains some details about the copyright history of contributions to the UnZip project. Additionally, it summarises some exceptions to the general BSD-like copyright found in LICENSE that covers our generic code and most of the system specific ports. Please read LICENSE first to find out what is allowed to do with Info-ZIP's UnZip code.

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There are currently two explicit copyrights on portions of UnZip code (at least, of which Info-ZIP is aware): Jim Luther's Mac OS File Manager interface code; and Christopher Evans' MacBinaryIII coding code (for the MacOS port).. These copyrights are discussed in more detail below.

All remaining code is now (starting with UnZip version 5.41) covered by the new Info-ZIP license. For details, please read the accompanying file LICENSE. The terms and conditions in this license supersede the copyright conditions of the contributions by Igor Mandrichenko (vms/vms.c), Greg Roelofs (zipinfo.c, new version of unshrink.c), Mike White (Windows DLL code in "windll/\*"), Steve P. Miller (Pocket UnZip GUI "wince/\*"), and Mark Adler (inflate/explode decompression core routines, previously put into the public domain). All these Info-ZIP contributors (or "primary" authors) have permitted us to replace their copyright notes by the Info-ZIP License.

Frequently Asked Questions regarding (re)distribution of Zip and UnZip are near the end of this file.

There are no known patents on any of the code in UnZip. Unisys claims a patent on LZW encoding and on LZW decoding in an apparatus that performs LZW encoding, but the patent appears to exempt a stand-alone decoder (as in UnZip's unshrink.c). Unisys has publicly claimed otherwise, but the issue has never been tested in court. Since this point is unclear, unshrinking is not enabled by default. It is the responsibility of the user to make his or her peace with Unisys and its licensing requirements. (unshrink.c may be removed from future releases altogether.)

---

The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); replacement of output routines; addition of inflate(), wildcards, filename-mapping, text translation, ...; etc.). As far as we can

tell, only the core code of the unreduce method remained substantially similar to Mr. Smith's original source. As of UnZip

5.42, the complete

core code is now covered by the Info-ZIP Licence. Therefore, support for the reduce method has been removed.

The drop of the reduce method should only affect some test archives, reducing was never used in any publically distributed Zip program.

For pathologic cases where support for reduced archive entries is needed, the unreduce code copyrighted by Samuel H. Smith is available as a separate distribution (the restricted copyright of this code is cited below in the "historical" section).

The following copyright applies to the Mac OS File Manager interface code (macos/source/macstuff.[ch]), distributed with UnZip 5.4 and later:

- \* MoreFiles
- \*
- \* A collection of File Manager and related routines
- \*
- \* by Jim Luther (Apple Macintosh Developer Technical Support Emeritus)
- \* with significant code contributions by Nitin Ganatra
- \* (Apple Macintosh Developer Technical Support Emeritus)
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The following copyright applies to the Mac OS "macbin3" decoding code (extra field compatibility with ZipIt):

\* MacBinaryIII.h  
\*  
\* Copyright 1997 Christopher Evans (cevens@poppybank.com)  
\*  
\* Basic encoding and decoding of Macintosh files to the  
\* MacBinary III spec.  
\* -----  
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\* (available at ftp://ftp.lazerware.com/MacBinaryIII\_src\_C.sit  
\* homepage of Leonard Rosenthol leonardr@netcom.com)

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Regarding the first stipulation, Mr. Smith was tracked down in southern California some years back [Samuel H. Smith, The Tool Shop; as of mid-May 1994, (213) 851-9969 (voice), (213) 887-2127(?) (subscription BBS), 71150.2731@compuserve.com]:

"He says that he thought that whoever contacted him understood that he has no objection to the Info-ZIP group's inclusion of his code. His primary concern is that it remain freely distributable, he said."

Despite the fact that our "normal" code has been entirely rewritten and by default no longer contains any of Mr. Smith's code, Info-ZIP remains indebted and grateful to him. We hope he finds our contributions as useful as we have his.

Note that the third and fourth stipulations still apply to any com-

pany that wishes to incorporate the unreduce code into its products;  
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- \* from Steve P. Miller.

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The remaining code was written by many people associated with the Info-ZIP group, with large contributions from (but not limited to): Greg Roelofs (overall program logic, ZipInfo, unshrink, filename mapping/portability, etc.), Mark Adler (inflate, explode, funzip), Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and others. See the file CONTRIBS in the source distribution for a much more complete list of contributors.

The decompression core code for the deflate method (inflate.[ch], explode.c) was originally written by Mark Adler who submitted it as public domain code.

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# 1.789 python-pyserial 3.4-r0

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## 1.791 python-funcsigns 1.0.2-r0

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## 1.793 python-enum 1.1.6-r0

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## 1.794 python-ply 3.11-r0

## 1.795 stunserver 1.2.15-r0

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## 1.800 libxml-parser-perl 2.44-r0

## 1.801 libxml 2.9.9-r0

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