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1.130 tftp-hpa 5.2

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1.1 libtomcrypt 1.17

1.1.1 Available under license :

```
# /*
# * SHA-512
# * Implementation derived from LibTomCrypt (Tom St Denis)
# *
# * LibTomCrypt is a library that provides various cryptographic
# * algorithms in a highly modular and flexible manner.
# *
# * The library is free for all purposes without any express
# * guarantee it works.
# *
# * Tom St Denis, tomstdenis@gmail.com, http://libtomcrypt.org
# */
```

1.2 csrp 1.0

1.2.1 Available under license :

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1.3 libtommath 0.42.0

1.3.1 Available under license :

LibTomMath is hereby released into the Public Domain.

-- Tom St Denis

1.4 libvirt 1.2.15

1.4.1 Available under license :

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Version 2.1, February 1999

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1.6 enum34 1.1.6

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1.7 zlib 1.2.3

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version 1.2.11, January 15th, 2017

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1.8 rsync 3.1.3

1.9 bzip2 1.0.8

1.10 ebttables 2.0.10

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1.11 dmalloc 5.5.2

1.12 json-c 0.99.8

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1.13 glibc 2.23

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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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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.

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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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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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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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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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@subheading END OF TERMS AND CONDITIONS

@page

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Ty Coon, President of Vice
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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.
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=====

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1.19 json-c 0.12

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1.24 libcap-ng 0.7.3

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1.27 lighttpd 1.4.54

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1.28 libnettle6 3.5.1

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1.30 libxml 2.3.0

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1.33 tcpdump 4.9.3

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1.34 netbsd-resolv 2.23

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Description: Don't warn for _BSD_SOURCE || _SVID_SOURCE, drop post-vivid

Author: Adam Conrad <adconrad@ubuntu.com>

```
--- glibc-2.21.orig/include/features.h
+++ glibc-2.21/include/features.h
@@ -145,7 +145,10 @@
     transitioned to use the new macro. */
#if (defined _BSD_SOURCE || defined _SVID_SOURCE) \
    && !defined _DEFAULT_SOURCE
+/* Don't #warn about _BSD_SOURCE || _SVID_SOURCE, as it breaks -Werror
+ and we don't have time to check/fix everything before vivid release
# warning "_BSD_SOURCE and _SVID_SOURCE are deprecated, use _DEFAULT_SOURCE"
+*/
# undef _DEFAULT_SOURCE
# define _DEFAULT_SOURCE 1
#endif
```

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1.36 python-mimeparse 1.6.0

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1.38 functools32 3.2.3-2

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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
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	3.1.1	2010	PSF	yes
3.1.3	3.1.2	2010	PSF	yes
3.1.4	3.1.3	2011	PSF	yes
3.2	3.1	2011	PSF	yes
3.2.1	3.2	2011		
	PSF	yes		
3.2.2	3.2.1	2011	PSF	yes
3.2.3	3.2.2	2012	PSF	yes

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1.39 pyformance 0.3.4

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1.40 elfutils 0.172

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1.43 libconfig 1.4.9

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@c

@c %**start of header

@c All text is ignored before the setfilename.

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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.)

@end enumerate

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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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.

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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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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.

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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:

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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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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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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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@item

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

@end enumerate

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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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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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.

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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.

@end enumerate

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@center END OF TERMS AND CONDITIONS

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@page

@center 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.

@format

@t{

<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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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., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
}
@end format
```

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:

```
@format
@t{
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
}
@end format
```

That's all there is to it!

```
@c @bye
```

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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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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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- 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

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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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- 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.
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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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<signature of Ty Coon>, 1 April 1990
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1.45 iw 4.9

1.45.1 Available under license :

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1.46 lua 5.4.2

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Found in path(s):

* /opt/cola/permits/1117084974_1608110407.29/0/lua-lua-v5-4-2-0-g9d067ab-tar-gz/lua-lua-9d067ab/manual/manual.of

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#!/usr/bin/env lua5.3

-- special marks:

```
-- \1 - paragraph (empty line)
-- \4 - remove spaces around it
-- \3 - ref (followed by label)
```

```
-----
header = [[
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 3.2 Final//EN">
<html>

<head>
<title>Lua 5.4 Reference Manual</title>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8">
<link rel="stylesheet" href="lua.css">
<link rel="stylesheet" href="manual.css">
</head>

<body bgcolor="#FFFFFF">

<hr>
<h1>
<a href="http://www.lua.org/home.html"></a>
Lua 5.4 Reference Manual
</h1>

by Roberto Ierusalimschy, Luiz Henrique de Figueiredo, Waldemar Celes
<p>
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<hr>

<!-- ===== -->
<p>

]]

footer
= "\n\n</body></html>\n\n"

local seefmt = '(see %s)'

if arg[1] == 'port' then
seefmt = '(ver %s)'
header = string.gsub(header, "by (-)\n",
"%1\n<p>Tradu&ccedil;&atilde;o: S&eacute;rgio Queiroz de Medeiros", 1)
header = string.gsub(header, "Lua (%d+.%d+) Reference Manual",
"Manual de Refer&ecirc;ncia de Lua %1")
```

```
header = string.gsub(header, "All rights reserved",
                    "Todos os direitos reservados")
end
```

```
-----

local function compose (f,g)
  assert(f and g)
  return function (s) return g(f(s)) end
end
```

```
local function concat (f, g)
  assert(f and g)
  return function (s) return f(s) .. g(s) end
end
```

```
local Tag = { }
```

```
setmetatable(Tag, {
  __index = function (t, tag)
    local v = function (n, att)
      local e = ""
      if type(att) == "table" then
        for k,v in pairs(att) do e = string.format("%s %s=\"%s\"", e, k, v) end
      end
      if n then
        return string.format("<%s%s>%s</%s>", tag, e, n, tag)
      else
        return string.format("<%s%s>", tag, e)
      end
    end
    t[tag] = v
    return v
  end
})
```

```
-----

local labels = { }
```

```
local function anchor (text, label, link, textlink)
  if labels[label] then
    error("label " .. label .. " already defined")
  end
end
```

```

end
labels[label] = {text = textlink, link = link}
return Tag.a(text, {name=link})
end

```

```

local function makeref (label)
assert(not string.find(label, "|"))
return string.format("%3s\3", label)
end

```

```

local function ref (label)
local l = labels[label]
if not l then
io.stderr:write("label ", label, " undefined\n")
return " @ @ @ @ @ @ "
else
return Tag.a(l.text, {href="#"..l.link})
end
end
end

```

```

-----
local function nopara (t)
t = string.gsub(t, "\1", "\n\n")
t = string.gsub(t, "<p>%s*</p>", "")
return t
end

```

```

local function fixpara (t)
t = string.gsub(t, "\1", "\n</p>\n\n<p>\n")
t = string.gsub(t, "<p>%s*</p>", "")
return t
end

```

```

local function antipara (t)
return "</p>\n" .. t .. "<p>"
end

```

```

Tag.pre = compose(Tag.pre, antipara)
Tag.ul = compose(Tag.ul, antipara)

```

```

-----
local Gfoots = 0
local footnotes = { }

```

```

local line = Tag.hr(nil)

```

```

local function dischargefoots ()

```

```

if #footnotes == 0 then return "" end
local fn = table.concat(footnotes)
footnotes = {}
return line .. Tag.h3"footnotes:" .. fn .. line
end

```

```

local Glists = 0
local listings = {}

```

```

local function dischargelist ()
if #listings == 0 then return "" end
local l = listings
listings = {}
return line .. table.concat(l, line..line) .. line
end

```

```

-----
local counters = {
h1 = {val = 1},
h2 = {father = "h1", val = 1},
h3 = {father = "h2", val = 1},
listing = {father = "h1", val = 1},
}

```

```

local
function inccounter (count)
counters[count].val = counters[count].val + 1
for c, v in pairs(counters) do
if v.father == count then v.val = 1 end
end
end
end

```

```

local function getcounter (count)
local c = counters[count]
if c.father then
return getcounter(c.father) .. "." .. c.val
else
return c.val .. ""
end
end
end

```

```

-----
local function fixed (x)
return function () return x end
end

```

```
local function id (x) return x end
```

```
local function prepos (x, y)
  assert(x and y)
  return function (s) return string.format("%s%s%s", x, s, y) end
end
```

```
local rw = Tag.b
```

```
local function LuaName (name)
  return Tag.code(name)
end
```

```
local function getparam (s)
  local i, e = string.find(s, "[^%s@|]+")
  if not i then return nil, s
  else return string.sub(s, i, e - 1), string.sub(s, e + 1)
  end
end
```

```
local function gettitle (h)
  local title, p = assert(string.match(h, "<title>(.-)</title>()"))
  return title, string.sub(h,
  p)
end
```

```
local function getparamtitle (what, h, nonum)
  local label, title, c, count
  label, h = getparam(h)
  title, h = gettitle(h)
  if not nonum then
    count = getcounter(what)
    inccounter(what)
    c = string.format("%s &ndash; ", count)
  else
    c = ""
  end
  label = label or count
  if label then
    title = anchor(title, label, count, "&sect;"..count)
  end
end
```



```
    title = string.format("%s%s", c, title)
    return title, h
end
```

```
local function section (what, nonum)
    return function (h)
        local title
        title, h = getparamtitle(what, h, nonum)
        local fn = what == "h1" and dischargefoots() or ""
        h = fixpara(Tag.p(h))
        return "</p>\n" .. Tag[what](title) .. h .. fn ..
            dischargelist() .. "<p>"
    end
end
```

```
local function verbatim (s)
    s = nopara(s)
    s = string.gsub(s, "\n", "\n ")
    s = string.gsub(s, "\n%s*$", "\n")
    return Tag.pre(s)
end
```

```
local function verb (s)
    return Tag.code(s)
end
```

```
local function lua2link
    (e)
    return string.find(e, "luaL?_") and e or "pdf-"..e
end
```

```
local verbfixed = verb
```

```
local Tex = {
```

```
    ANSI = function (func)
        return "ISO&nbsp;C function " .. Tag.code(func)
    end,
    At = fixed"@ ",
    B = Tag.b,
    bigskip = fixed"",
    bignum = id,
    C = fixed"",
```

```

Ci = prepos("<!-- ", " -->"),
CId = function (func)
    return "C&nbsp;function " .. Tag.code(func)
end,
chapter = section"h1",
Char = compose(verbfixed, prepos("", "")),
Cdots = fixed"&middledot;&middledot;&middledot;",
Close = fixed"}",
col = Tag.td,
defid = function (name)
    local l = lua2link(name)
    local c = Tag.code(name)
    return anchor(c, l, l, c)
end,
def = Tag.em,
description = compose(nopara, Tag.ul),
Em = fixed("\4" .. "&mdash;" .. "\4"),
emph = Tag.em,
emphx = Tag.em, -- emphasis plus index (if there was an index)
En = fixed("&ndash;"),
format = fixed"",
["false"] = fixed(Tag.b"false"),
id = Tag.code,
idx = Tag.code,
index = fixed"",
Lidx = fixed"", -- Tag.code,
ldots
    = fixed"... ",
x = id,
itemize = compose(nopara, Tag.ul),
leq = fixed"&le;",
Lid = function (s)
    return makeref(lua2link(s))
end,
M = Tag.em,
N = function (s) return (string.gsub(s, " ", "&nbsp;")) end,
NE = id, -- tag"foreignphrase",
num = id,
["nil"] = fixed(Tag.b"nil"),
fail = fixed(Tag.b"fail"),
Open = fixed"{ ",
part = section("h1", true),
Pat = compose(verbfixed, prepos("", "")),
preface = section("h1", true),
psect = section("h2", true),
Q = prepos("", ""),
refchp = makeref,
refcode = makeref,

```

```

refsec = makeref,

pi = fixed"&pi;",
rep = Tag.em, -- compose(prepos("&lt;", "&gt;"), Tag.em),
Rw = rw,
rw = rw,
sb = Tag.sub,
sp = Tag.sup,
St = compose(verbfixed, prepos("", "")),
sect1 = section"h1",
sect2 = section"h2",
sect3 = section"h3",
sect4 = section("h4", true),
simplesect = id,
Tab2 = function (s) return Tag.table(s, {border=1}) end,
row = Tag.tr,
title = Tag.title,
todo = Tag.todo,
["true"] = fixed(Tag.b"true"),
T = verb,

item = function (s)

    local t, p = string.match(s, "^(^[^\\n]+)|()")
    if t then
        s = string.sub(s, p)
        s = Tag.b(t..": ") .. s
    end
    return Tag.li(fixpara(s))
end,

verbatim = verbatim,

manual = id,

-- for the manual

link =function (s)
    local l, t = getparam(s)
    assert(l)
    return string.format("%s (%s)", t, makeref(l))
end,

see = function (s) return string.format(seefmt, makeref(s)) end,
See = makeref,
seeC = function (s)
    return string.format(seefmt, makeref(s))

```

```

end,

seeF = function (s)
    return string.format(seefmt, makeref(lua2link(s)))
end,

APIEntry = function (e)
    local h, name
    h, e = string.match(e, "^%s*(.-%)s*(.*)$")
    name = string.match(h, "(luaL?_[%w_]+)%? +%(") or
        string.match(h, "luaL?_[%w_]+")
    local a = anchor(Tag.code(name), name, name, Tag.code(name))
    local apiicmd, ne = string.match(e, "^(</span>)(.*)")
    --io.stderr:write(e)
    if not apiicmd then
        return antipara(Tag.hr() .. Tag.h3(a)
            .. Tag.pre(h) .. e
        )
    else
        return antipara(Tag.hr() .. Tag.h3(a)) .. apiicmd .. Tag.pre(h) .. ne
    end
end,

LibEntry = function (e)
    local h, name
    h, e = string.match(e, "^(.)|(.*)$")
    name = string.gsub(h, " (.", "")
    local l = lua2link(name)
    local a = anchor(Tag.code(h), l, l, Tag.code(name))
    return Tag.hr() .. Tag.h3(a) .. e
end,

Produc = compose(nopara, Tag.pre),
producname = prepos("\t", " ::= "),
Or = fixed" | ",
VerBar = fixed"&#124;", -- vertical bar
OrNL = fixed" | \4",
bnfNter = prepos("", ""),
bnfopt = prepos("[", "]"),
bnfrep = prepos("{", "}"),
bnfter = compose(Tag.b, prepos("&lsquo;", "&rsquo;")),
producbody = function (s)
    s = string.gsub(s, "%s+", " ")
    s = string.gsub(s, "\4", "\n\t")
    return s
end,

apii = function (s)
    local pop, push, err = string.match(s, "^(.-),(-),(.*)$")

```

```

    if pop ~= "?" and string.find(pop, "%W") then
        pop = "(" .. pop .. ")"
    end
    if push ~= "?"
and string.find(push, "%W") then
        push = "(" .. push .. ")"
    end
    err = (err == "-") and "&ndash;" or Tag.em(err)
    return Tag.span(
        string.format("[-%s, +%s, %s]", pop, push, err),
        {class="apii"}
    )
end,
}

```

```
local others = prepos("?? ", " ??")
```

```

local function trata (t)
    t = string.gsub(t, "@(%w+)(%b{ })", function (w, f)
        f = trata(string.sub(f, 2, -2))
        if type(Tex[w]) ~= "function" then
            io.stderr:write(w .. "\n")
            return others(f)
        else
            return Tex[w](f, w)
        end
    end)
end)
return t
end

```

```
-----
-----
```

```
-- read whole book
```

```
t = io.read"*a"
```

```

t = string.gsub(t, "[<&\128-\255]",
{["<"] = "&lt;",
[">"] = "&gt;",
["&"] = "&amp;",
["\170"] = "&ordf;",
["\186"] = "&ordm;",
["\192"] = "&Agrave;",
["\193"] = "&Aacute;",
["\194"] = "&Acirc;",
["\195"] = "&Atilde;",
["\199"] = "&Ccedil;"}

```

```
["\201"] = "&Eacute;";
["\202"] = "&Ecirc;";
["\205"] = "&Iacute;";
["\211"] = "&Oacute;";
["\212"] = "&Ocirc;";
["\218"] = "&Uacute;";
["\224"] = "&agrave;";
["\225"] = "&aacute;";
["\226"] = "&acirc;";
["\227"] = "&atilde;";
["\231"] = "&ccedil;";
["\233"] = "&eacute;";
["\234"] = "&ecirc;";
["\237"] = "&iacute;";
["\243"] = "&oacute;";
["\244"] = "&ocirc;";
["\245"] = "&otilde;";
["\250"] = "&uacute;";
["\252"] = "&uuml;";
})
```

```
t = string.gsub(t, "\n\n+", "\1")
```

```
-- complete macros with no arguments
```

```
t = string.gsub(t, "(@%w+)([^\201-\255]*)", "%1{ }%2")
```

```
t = trata(t)
```

```
-- correct references
```

```
t = string.gsub(t, "\3(-)\3", ref)
```

```
-- remove extra space (??)
```

```
t = string.gsub(t, "%s*\4%s*", "")
```

```
t = nopara(t)
```

```
-- HTML 3.2 does not need </p> (but complains when it is in wrong places :)
```

```
t = string.gsub(t, "</p>", "")
```

```
io.write(header, t, footer)
```

```
Found in path(s):
```

```
*
```

```
/opt/cola/permits/1117084974_1608110407.29/0/lua-lua-v5-4-2-0-g9d067ab-tar-gz/lua-lua-9d067ab/manual/2html
```

```
No license file was found, but licenses were detected in source scan.
```

```
--[[
*****
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*****
]]
```

Found in path(s):

* /opt/cola/permits/1117084974_1608110407.29/0/luau-lua-v5-4-2-0-g9d067ab-tar-gz/luau-lua-9d067ab/testes/all.lua

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```
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*****/

Found in path(s):

* /opt/cola/permits/1117084974_1608110407.29/0/luau-lua-v5-4-2-0-g9d067ab-tar-gz/luau-lua-9d067ab/luau.h

1.47 websocket-client 0.47.0

1.47.1 Available under license :

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Version 2.1, February 1999

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1.48 opkg 0.1.8

1.48.1 Available under license :

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1.51 libev 4.33

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1.54 futures 2.1.6

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1.55 backports-ssl-match-hostname 3.4.0.2

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1.56 pnp-platform 1.5.2.dev4

1.56.1 Available under license :

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""""

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Author: Murali Muniraman <mmuniram@cisco.com>

Date: January 2017

This file contains constants for the cheetah platform.

""

CHEETAH_DEVICE_TYPE_AP = "AP"

CHEETAH_DEVICE_TYPE_ME = "ME"

CHEETAH_DEVICE_TYPE_SENSOR = "sensor"

CHEETAH_SENSOR_WIRELESS_BACKHAUL_CONNECTION =

"/tmp/wireless_backhaul_connection_success"

Found in path(s):

* /opt/cola/permits/1156179927_1624926888.91/0/thirdparty-pnp-pnp-pd-dev-zip/thirdparty_pnp-pnp_pd_dev/pnp_cheetah/pnp_platform/utils/cheetah_constants.py

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* /opt/cola/permits/1156179927_1624926888.91/0/thirdparty-pnp-pnp-pd-dev-zip/thirdparty_pnp-pnp_pd_dev/pnp_cheetah/pnp_platform/utils/socket_client.py

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* /opt/cola/permits/1156179927_1624926888.91/0/thirdparty-pnp-pnp-pd-dev-zip/thirdparty_pnp-pnp_pd_dev/pnp_cheetah/setup.py

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```

* /opt/cola/permits/1156179927_1624926888.91/0/thirdparty-pnp-pnp-pd-dev-zip/thirdparty_pnp-
pnp_pd_dev/pnp_cheetah/pnp_platform/infra/wlc.py
* /opt/cola/permits/1156179927_1624926888.91/0/thirdparty-pnp-pnp-pd-dev-zip/thirdparty_pnp-
pnp_pd_dev/pnp_cheetah/pnp_platform/discovery/platform_discovery.py
* /opt/cola/permits/1156179927_1624926888.91/0/thirdparty-pnp-pnp-pd-dev-zip/thirdparty_pnp-
pnp_pd_dev/pnp_cheetah/pnp_platform/infra/cdp.py
* /opt/cola/permits/1156179927_1624926888.91/0/thirdparty-pnp-pnp-pd-dev-zip/thirdparty_pnp-
pnp_pd_dev/pnp_cheetah/pnp_platform/infra/monitor.py
* /opt/cola/permits/1156179927_1624926888.91/0/thirdparty-pnp-pnp-pd-dev-zip/thirdparty_pnp-
pnp_pd_dev/pnp_cheetah/pnp_platform/services/config_upgrade.py
* /opt/cola/permits/1156179927_1624926888.91/0/thirdparty-pnp-pnp-pd-dev-zip/thirdparty_pnp-
pnp_pd_dev/pnp_cheetah/pnp_platform/services/cli_config.py
*

```

```

/opt/cola/permits/1156179927_1624926888.91/0/thirdparty-pnp-pnp-pd-dev-zip/thirdparty_pnp-
pnp_pd_dev/pnp_cheetah/pnp_platform/infra/device.py
* /opt/cola/permits/1156179927_1624926888.91/0/thirdparty-pnp-pnp-pd-dev-zip/thirdparty_pnp-
pnp_pd_dev/pnp_cheetah/pnp_platform/discovery/notify.py
* /opt/cola/permits/1156179927_1624926888.91/0/thirdparty-pnp-pnp-pd-dev-zip/thirdparty_pnp-
pnp_pd_dev/pnp_cheetah/pnp_platform/services/cli_exec.py
* /opt/cola/permits/1156179927_1624926888.91/0/thirdparty-pnp-pnp-pd-dev-zip/thirdparty_pnp-
pnp_pd_dev/pnp_cheetah/pnp_platform/infra/clock_sync.py
* /opt/cola/permits/1156179927_1624926888.91/0/thirdparty-pnp-pnp-pd-dev-zip/thirdparty_pnp-
pnp_pd_dev/pnp_cheetah/pnp_platform/services/image_install.py
* /opt/cola/permits/1156179927_1624926888.91/0/thirdparty-pnp-pnp-pd-dev-zip/thirdparty_pnp-
pnp_pd_dev/pnp_cheetah/pnp_platform/infra/platform_constants.py
* /opt/cola/permits/1156179927_1624926888.91/0/thirdparty-pnp-pnp-pd-dev-zip/thirdparty_pnp-
pnp_pd_dev/pnp_cheetah/pnp_platform/infra/capwap.py

```

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"""

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Author: Murali Muniraman <mmuniram@cisco.com>
Date: January 2017

"""

```

import json
import logging

```

```

import pnp.infra.utils.pnp_file_paths as files

```

```

logger = logging.getLogger(__name__)

```

```

def is_platform_device_type(ptype):
    """ Checks platform.json file to see if deviceType is ptype """
    platform_info_file = files.filepaths['config']['platform']

```

```

device_type = None
try:
    with open(platform_info_file, 'r') as f:
        platform_info = f.read()
except IOError:
    logger.error("IOError: No such file or directory:" + platform_info_file)
    return False
try:
    platform_dict = json.loads(platform_info)
    if platform_dict.has_key('hardwareInfo'):
        hardware_info = platform_dict.get('hardwareInfo')
        if hardware_info.has_key('deviceType'):
            device_type = hardware_info.get('deviceType')
except ValueError as e:
    logger.error(str(e))

logger.info("Device is of type %s", device_type)
return bool(device_type == ptype)

```

Found in path(s):

```

* /opt/cola/permits/1156179927_1624926888.91/0/thirdparty-pnp-pnp-pd-dev-zip/thirdparty_pnp-
pnp_pd_dev/pnp_cheetah/pnp_platform/utils/cheetah_utils.py

```

1.57 ws4py 0.3.5

1.57.1 Available under license :

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Metadata-Version: 1.1

Name: ws4py

Version: 0.3.5

Summary: WebSocket client and server library for Python 2 and 3 as well as PyPy

Home-page: <https://github.com/Lawouach/WebSocket-for-Python>

Author: Sylvain Hellegouarch

Author-email: sh@defuze.org

License: BSD

Download-URL: <https://pypi.python.org/pypi/ws4py>

Description: WebSocket client and server library for Python 2 and 3 as well as PyPy

Platform: any

Classifier: Development Status :: 5 - Production/Stable

Classifier: Framework :: CherryPy

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 :: 3.3
Classifier: Programming Language :: Python :: 3.4
Classifier:
Programming Language :: Python :: 3.5
Classifier: Programming Language :: Python :: Implementation :: CPython
Classifier: Programming Language :: Python :: Implementation :: PyPy
Classifier: Topic :: Communications
Classifier: Topic :: Internet :: WWW/HTTP :: WSGI :: Middleware
Classifier: Topic :: Internet :: WWW/HTTP :: WSGI :: Server
Classifier: Topic :: Software Development :: Libraries :: Python Modules

Found in path(s):

* /opt/cola/permits/1156180131_1619139153.46/0/ws4py-0-3-5-tar-gz/ws4py-0.3.5/ws4py.egg-info/PKG-INFO
* /opt/cola/permits/1156180131_1619139153.46/0/ws4py-0-3-5-tar-gz/ws4py-0.3.5/PKG-INFO

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```

Found in path(s):

* /opt/cola/permits/1156180131_1619139153.46/0/ws4py-0-3-5-tar-gz/ws4py-0.3.5/ws4py/utf8validator.py

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'License :: OSI Approved :: BSD License',

Found in path(s):

* /opt/cola/permits/1156180131_1619139153.46/0/ws4py-0-3-5-tar-gz/ws4py-0.3.5/setup.py

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```

Found in path(s):

* /opt/cola/permits/1156180131_1619139153.46/0/ws4py-0-3-5-tar-gz/ws4py-0.3.5/ws4py/__init__.py

1.58 oauthlib 1.0.3

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1.59 subwrap 0.1.0

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1.60 email 4.0.2

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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;
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/1156180176_1619139157.6/0/email-4-0-2-1-tar-gz/email-4.0.2/email/test/data/msg_04.txt

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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

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/1156180176_1619139157.6/0/email-4-0-2-1-tar-gz/email-4.0.2/PKG-INFO

* /opt/cola/permits/1156180176_1619139157.6/0/email-4-0-2-1-tar-gz/email-4.0.2/email.egg-info/PKG-INFO

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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/1156180176_1619139157.6/0/email-4-0-2-1-tar-gz/email-4.0.2/email/test/data/msg_06.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

--h90VllKmx--

Found in path(s):

* /opt/cola/permits/1156180176_1619139157.6/0/email-4-0-2-1-tar-gz/email-4.0.2/email/test/data/msg_44.txt

1.61 docker 3.5.0

1.61.1 Available under license :

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Yoyodyne, Inc., hereby disclaims all copyright interest in the

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

1.66 pnp 1.8.2.dev17

1.66.1 Available under license :

No license file was found, but licenses were detected in source scan.

license='Cisco Proprietary',

Found in path(s):

* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/setup.py

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Found in path(s):

* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-

1.8.2.dev17/pnp/service/services/certificate_install.py

* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-

1.8.2.dev17/pnp/infra/utils/pnp_constants.py

* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/agent.py

* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/api/cdp.py

* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-

1.8.2.dev17/pnp/infra/api/clock_sync.py

* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-

1.8.2.dev17/pnp/discovery/api/platform_discovery.py

* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-

1.8.2.dev17/pnp/service/services/reload.py

* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-

1.8.2.dev17/pnp/discovery/infra/errors.py

*

/opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-

1.8.2.dev17/pnp/discovery/infra/discovery_manager.py

* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-

1.8.2.dev17/pnp/infra/network/security.py

* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-

1.8.2.dev17/pnp/infra/utils/pnp_file_paths.py

* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-

1.8.2.dev17/pnp/discovery/infra/notify.py

* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-

1.8.2.dev17/pnp/infra/api/script_exec.py

* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-

1.8.2.dev17/pnp/infra/profile/profile.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/objects.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-
 1.8.2.dev17/pnp/infra/network/connection_manager.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-
 1.8.2.dev17/pnp/infra/system/clock_sync.py
 *
 /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-
 1.8.2.dev17/pnp/infra/network/http_conn_client.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/service/errors.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/exec_log.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-
 1.8.2.dev17/pnp/infra/system/device.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-
 1.8.2.dev17/pnp/infra/system/reload.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-
 1.8.2.dev17/pnp/service/services/cli_config.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-
 1.8.2.dev17/pnp/infra/system/sudi.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-
 1.8.2.dev17/pnp/discovery/infra/policy.py
 *
 /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-
 1.8.2.dev17/pnp/infra/system/monitor.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-
 1.8.2.dev17/pnp/service/services/topology.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/utils/timer.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-
 1.8.2.dev17/pnp/infra/system/wlc.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-
 1.8.2.dev17/pnp/discovery/api/notify.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-
 1.8.2.dev17/pnp/infra/system/cdp.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-
 1.8.2.dev17/pnp/discovery/mechanisms/platform_discovery.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-
 1.8.2.dev17/pnp/service/services/device_auth.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-
 1.8.2.dev17/pnp/infra/system/script_exec.py
 *
 /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-
 1.8.2.dev17/pnp/infra/system/user_auth.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-
 1.8.2.dev17/pnp/infra/utils/file_utils.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-
 1.8.2.dev17/pnp/infra/network/vrf.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/api/sudi.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-

1.8.2.dev17/pnp/infra/system/certificate.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/api/pnp_token.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/faults.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/xml/xmlparser.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/discovery/mechanisms/sdwan_ztp_discovery.py
 *
 /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/discovery/mechanisms/cco_discovery.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/api/vbond.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/service/api/pnp_service.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/service/services/backoff.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/system/interface_info_db.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/system/pnp_token.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/service/services/tag.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/api/platform_constants.py
 *
 /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/discovery/api/lease_parser.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/api/user_auth.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/utills/pnp_logging.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/api/device.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/errors.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/profile/profile_manager.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/service/services/capability.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/service/services/device_info.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/discovery/infra/lease_parser.py
 *
 /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/api/event.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/system/vbond.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/discovery/mechanisms/dhcp_discovery.py
 * /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-

1.8.2.dev17/pnp/infra/system/event.py
* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/discovery/mechanisms/dns_discovery.py
* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/api/vrf.py
* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/service/action.py
* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/service/handler.py
*
/opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/api/capwap.py
* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/network/resolve.py
* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/network/connection_client.py
* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/service/services/redirection.py
* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/service/services/script.py
* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/utils/pnp_utils.py
* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/xml/xmlgenerator.py
* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/service/services/token_auth.py
* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/posix_pnp_nohup.py
*
/opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/api/reload.py
* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/system/capwap.py
* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/api/pnp_infra.py
* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/api/wlc.py
* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/service/services/interface_info.py
* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/service/reasons.py
* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp/infra/api/monitor.py

No license file was found, but licenses were detected in source scan.

Metadata-Version: 1.1

Name: pnp

Version: 1.8.2.dev17

Summary: Plug-n-Play Agent for Cisco Network-PnP

Home-page: <https://developer.cisco.com/site/open-plug-n-play/>

Author: Network Plug-n-Play

Author-email: pnp-support@cisco.com

License: Cisco Proprietary

Description: UNKNOWN

Keywords: posix pnp agent plug-n-play client

Platform: UNKNOWN
Classifier: Operating System :: POSIX :: Linux
Classifier: Programming Language :: Python :: 2.7

Found in path(s):

* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/pnp.egg-info/PKG-INFO

* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/PKG-INFO

No license file was found, but licenses were detected in source scan.

[bdist_rpm]

release = 1

packager = Network Plug-n-Play <pnp-dev@cisco.com>

doc_files = README.rst

no-autoreq = 1

post-install = pnp/data/cfg/post_install_rpm.sh

rpm-base = ./rpmbuild

binary-only = 1

description = Plug-n-Play Agent for Cisco Network-PnP

keep-temp = 1

[egg_info]

tag_build =

tag_date = 0

tag_svn_revision = 0

Found in path(s):

* /opt/cola/permits/1160619479_1624926759.86/0/pnp-1-8-2-dev17-tar-gz/pnp-1.8.2.dev17/setup.cfg

1.67 falcon 1.1.0

1.67.1 Available under license :

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Found in path(s):

* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/README.rst

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you may not use this file except in compliance with the License.

You may obtain a copy of the License at

```
# http://www.apache.org/licenses/LICENSE-2.0
# distributed under the License is distributed on an "AS IS" BASIS,
```

Found in path(s):

```
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/util/structures.py
```

No license file was found, but licenses were detected in source scan.

Metadata-Version: 1.1

Name: falcon

Version: 1.1.0

Summary: An unladen web framework for building APIs and app backends.

Home-page: <http://falconframework.org>

Author: Kurt Griffiths

Author-email: mail@kgriffs.com

License: Apache 2.0

Description: Falcon |[Docs](#) | [Build Status](#) | [codecov.io](#)

=====

Perfection is finally attained not when there is no longer anything to add, but when there is no longer anything to take away.

- Antoine de Saint-Exup@ry

Falcon is a `high-performance Python framework <<http://falconframework.org/index.html>>` __ for building cloud APIs. It encourages the REST architectural style, and tries to do as little as possible while remaining `highly effective <<http://falconframework.org/index.html#Benefits>>` __.

Quick Links

* `Read the docs <<https://falcon.readthedocs.io/en/stable>>` __.
* `Join the discussion group <<https://groups.google.com/forum/#!forum/falconframework>>` __.
* `Hang out in #falconframework on freenode <<https://kiwiirc.com/client/irc.freenode.net/?#falconframework>>` __.

Design Goals

****Fast.**** Cloud APIs need to turn around requests quickly, and make efficient use of hardware. This is particularly important when serving many concurrent requests. Falcon is among the fastest WSGI frameworks available, processing requests `several times faster <<http://falconframework.org/#Metrics>>` __ than other Python web frameworks.

****Light.**** Only the essentials are included, with *six* and *mimemagic*

being the only dependencies outside the standard library. We work hard to keep the code lean, making Falcon easier to test, secure, optimize, and deploy.

****Flexible.**** Falcon is not opinionated when it comes to talking to databases, rendering content, authorizing requests, etc. You are free to mix and match your own favorite libraries. Falcon apps work with any WSGI server, and run great under CPython 2.6-2.7, PyPy, Jython 2.7, and CPython 3.3-3.5 <<https://travis-ci.org/falconry/falcon>>`__`.

Features

- Highly-optimized, extensible code base
- Intuitive routing via URI templates and REST-inspired resource classes
- Easy access to headers and bodies through request and response classes
- DRY request processing via middleware components and hooks
- Idiomatic HTTP error responses
- Straightforward exception handling
- Snappy unit testing through WSGI helpers and mocks
- CPython 2.6-2.7, PyPy, Jython 2.7, and CPython 3.3-3.5 support
- ~20%

speed boost when Cython is available

Who's Using Falcon?

Falcon is used around the world by a growing number of organizations, including:

- 7ideas
- Cronitor
- EMC
- Hurricane Electric
- Leadpages
- OpenStack
- Rackspace
- Shiftgig
- tempfil.es
- Opera Software

If you are using the Falcon framework for a community or commercial project, please consider adding your information to our wiki under `Who's Using Falcon?` <<https://github.com/falconry/falcon/wiki/Who's-using-Falcon%3F>>`_`

You might also like to view our

`<https://github.com/falconry/falcon/wiki/Add-on-Catalog>`,

where you can find a list of add-ons maintained by the community.

Installation

PyPy

^^^^

`<http://pypy.org/>` _

is the fastest way to run your Falcon app.

However, note that only the PyPy 2.7 compatible release is currently supported.

```
.. code:: bash
```

```
$ pip install falcon
```

CPython

^^^^^^

Falcon also fully supports

`<https://www.python.org/downloads/>` _ 2.6-3.5.

A universal wheel is available on PyPI for the the Falcon framework.

Installing it is as simple as:

```
.. code:: bash
```

```
$ pip install falcon
```

Installing the wheel is a great way to get up and running with Falcon quickly in a development environment, but for an extra speed boost when deploying your application in production, Falcon can compile itself with Cython.

The following commands tell pip to install Cython, and then to invoke Falcon's ```setup.py```, which will in turn detect the presence of

Cython

and then compile (AKA cythonize) the Falcon framework with the system's default C compiler.

```
.. code:: bash
```

```
$ pip install cython
```

```
$ pip install --no-binary :all: falcon
```

****Installing on OS X****

Xcode Command Line Tools are required to compile Cython. Install them with this command:

```
.. code:: bash
```

```
$ xcode-select --install
```

The Clang compiler treats unrecognized command-line options as errors; this can cause problems under Python 2.6, for example:

```
.. code:: bash
```

```
clang: error: unknown argument: '-mno-fused-madd' [-Wunused-command-line-argument-hard-error-in-future]
```

You might also see warnings about unused functions. You can work around these issues by setting additional Clang C compiler flags as follows:

```
.. code:: bash
```

```
$ export CFLAGS="-Qunused-arguments -Wno-unused-function"
```

Dependencies

^^^^^^^^^^^^^^

Falcon depends on `six` and `python-mimeparse`. `python-mimeparse` is a better-maintained fork of the similarly named `mimeparse` project. Normally the correct package will be selected by Falcon's ``setup.py``. However, if you are using an alternate strategy to manage dependencies, please take care to install the correct package in order to avoid errors.

WSGI Server

Falcon speaks WSGI, and so in order to serve a Falcon app, you will need a WSGI server. Gunicorn and uWSGI are some of the more popular ones out there, but anything that can load a WSGI app will do.

```
.. code:: bash
```

```
$ pip install [gunicorn|uwsgi]
```

Source Code

Falcon lives on GitHub <<https://github.com/falconry/falcon>>, making the code easy to browse, download, fork, etc. Pull requests are always welcome! Also, please remember to star the project if it makes you happy. :)

Once you have cloned the repo or downloaded a tarball from GitHub, you can install Falcon like this:

```
.. code:: bash

$ cd falcon
$ pip install .
```

Or, if you want to edit the code, first fork the main repo, clone the fork to your desktop, and then run the following to install it using symbolic linking, so that when you change your code, the changes will be automatically available to your app without having to reinstall the package:

```
.. code:: bash

$ cd falcon
$ pip install -e .
```

You can manually test changes to the Falcon framework by switching to the directory of the cloned repo and then running pytest:

```
.. code:: bash

$ cd falcon
$ pip install -r tools/test-requires
$ pytest tests
```

Or, to run the default set of tests:

```
.. code:: bash

$ pip install tox && tox
```

See also the `tox.ini` <<https://github.com/falconry/falcon/blob/master/tox.ini>> file for a full list of available environments.

Read the docs

The docstrings in the Falcon code base are quite extensive, and we recommend keeping a REPL running while learning the framework so that

you can query the various modules and classes as you have questions.

Online docs are available at: <https://falcon.readthedocs.io>

You can build the same docs locally as follows:

```
.. code:: bash
```

```
$ pip install tox && tox -e docs
```

Once the docs have been built, you can view them by opening the following index page in your browser. On OS X it's as simple as::

```
$ open docs/_build/html/index.html
```

Or on Linux:

```
$ xdg-open docs/_build/html/index.html
```

Getting started

Here is a simple, contrived example showing how to create a Falcon-based API.

```
.. code:: python
```

```
# things.py
```

```
# Let's get this party started!
```

```
import falcon
```

```
# Falcon follows the REST architectural style, meaning (among  
# other things) that you think in terms of resources and state  
# transitions, which map to HTTP verbs.
```

```
class ThingsResource(object):
```

```
    def on_get(self, req, resp):
```

```
        """Handles GET requests"""
```

```
        resp.status = falcon.HTTP_200 # This is the default status
```

```
        resp.body
```

```
= ('\nTwo things awe me most, the starry sky '
```

```
    'above me and the moral law within me.\n'
```

```
    '\n'
```

```
    ' ~ Immanuel Kant\n\n')
```

```
# falcon.API instances are callable WSGI apps
```

```
app = falcon.API()

# Resources are represented by long-lived class instances
things = ThingsResource()

# things will handle all requests to the '/things' URL path
app.add_route('/things', things)
```

You can run the above example using any WSGI server, such as uWSGI or Gunicorn. For example:

```
.. code:: bash

$ pip install gunicorn
$ gunicorn things:app
```

Then, in another terminal:

```
.. code:: bash

$ curl localhost:8000/things
```

A more complex example

Here is a more involved example that demonstrates reading headers and query parameters, handling errors, and working with request and response bodies.

```
.. code:: python

import json
import logging
import uuid
from wsgiref import simple_server

import falcon
import requests

class StorageEngine(object):

    def get_things(self, marker, limit):
        return [{'id': str(uuid.uuid4()), 'color': 'green'}]

    def add_thing(self, thing):
        thing['id'] = str(uuid.uuid4())
        return thing
```

```

class StorageError(Exception):

    @staticmethod
    def handle(ex, req, resp, params):
        description = ('Sorry, couldn\'t write your thing to the '
                       'database.
It worked on my box.')
```

```

        raise falcon.HTTPError(falcon.HTTP_725,
                               'Database Error',
                               description)

class SinkAdapter(object):

    engines = {
        'ddg': 'https://duckduckgo.com',
        'y': 'https://search.yahoo.com/search',
    }

    def __call__(self, req, resp, engine):
        url = self.engines[engine]
        params = {'q': req.get_param('q', True)}
        result = requests.get(url, params=params)

        resp.status = str(result.status_code) + ' ' + result.reason
        resp.content_type = result.headers['content-type']
        resp.body = result.text

class AuthMiddleware(object):

    def process_request(self, req, resp):
        token = req.get_header('Authorization')
        account_id = req.get_header('Account-ID')

        challenges = ["Token type=\"Fernet\""]

        if token is None:
            description = ('Please provide an auth token '
                           'as part of the request.')
```

```

            raise falcon.HTTPUnauthorized('Auth token required',
                                          description,
                                          challenges,
                                          href='http://docs.example.com/auth')
```

```

if not self._token_is_valid(token, account_id):
    description = ('The provided auth token is not valid. '
                  'Please request a new token and try again.')

    raise falcon.HTTPUnauthorized('Authentication
required',
                                description,
                                challenges,
                                href='http://docs.example.com/auth')

def _token_is_valid(self, token, account_id):
    return True # Suuuuuure it's valid...

class RequireJSON(object):

    def process_request(self, req, resp):
        if not req.client_accepts_json:
            raise falcon.HTTPNotAcceptable(
                'This API only supports responses encoded as JSON.',
                href='http://docs.examples.com/api/json')

        if req.method in ('POST', 'PUT'):
            if 'application/json' not in req.content_type:
                raise falcon.HTTPUnsupportedMediaType(
                    'This API only supports
requests encoded as JSON.',
                    href='http://docs.examples.com/api/json')

class JSONTranslator(object):

    def process_request(self, req, resp):
        # req.stream corresponds to the WSGI wsgi.input environ variable,
        # and allows you to read bytes from the request body.
        #
        # See also: PEP 3333
        if req.content_length in (None, 0):
            # Nothing to do
            return

        body = req.stream.read()
        if not body:
            raise falcon.HTTPBadRequest('Empty request body',
                                        'A valid JSON document is required.')

        try:

```



```

req.context['doc'] = json.loads(body.decode('utf-8'))

except (ValueError, UnicodeDecodeError):
    raise falcon.HTTPError(falcon.HTTP_753,
                          'Malformed JSON',
                          'Could not decode the request body. The '
                          'JSON was incorrect or not encoded as '
                          'UTF-8.')
```

```

def process_response(self, req, resp, resource):
    if 'result' not in req.context:
        return

    resp.body = json.dumps(req.context['result'])

def max_body(limit):

def hook(req, resp, resource, params):
    length = req.content_length
    if length is not None and length > limit:
        msg = ('The size of the request is too large. The body must not '
              'exceed ' + str(limit) + ' bytes in length.')
```

```

        raise falcon.HTTPRequestEntityTooLarge(
            'Request body is too large', msg)

    return hook

class ThingsResource(object):

def __init__(self, db):
    self.db = db
    self.logger = logging.getLogger('thingsapp.' + __name__)

def on_get(self, req, resp, user_id):
    marker = req.get_param('marker') or ''
    limit = req.get_param_as_int('limit') or 50

    try:
        result = self.db.get_things(marker, limit)
    except Exception as ex:
        self.logger.error(ex)

    description = ('Aliens have attacked our base! We will '
                  'be back as soon as we fight them off. '
                  'We appreciate your patience.')
```

```

        raise falcon.HTTPServiceUnavailable(
            'Service Outage',
            description,
            30)

# An alternative way of doing DRY serialization would be to
# create a custom class that inherits from falcon.Request. This
# class could, for example, have an additional 'doc' property
# that would serialize to JSON under the covers.
req.context['result'] = result

resp.set_header('Powered-By', 'Falcon')
resp.status = falcon.HTTP_200

@falcon.before(max_body(64 * 1024))
def on_post(self, req, resp, user_id):
    try:
        doc = req.context['doc']
    except KeyError:
        raise falcon.HTTPBadRequest(
'Missing thing',
        'A thing must be submitted in the request body.')

    proper_thing = self.db.add_thing(doc)

    resp.status = falcon.HTTP_201
    resp.location = '/%s/things/%s' % (user_id, proper_thing['id'])

# Configure your WSGI server to load "things.app" (app is a WSGI callable)
app = falcon.API(middleware=[
    AuthMiddleware(),
    RequireJSON(),
    JSONTranslator(),
])

db = StorageEngine()
things = ThingsResource(db)
app.add_route('/{user_id}/things', things)

# If a responder ever raised an instance of StorageError, pass control to
# the given handler.
app.add_error_handler(StorageError, StorageError.handle)

# Proxy some things to another service; this example shows how you might

```

```

# send parts of an API off to a legacy system that hasn't been upgraded
# yet, or perhaps is a single cluster that all data centers have to share.
sink = SinkAdapter()
app.add_sink(sink, r'/search/(?P<engine>ddg|y)\Z')

# Useful for debugging problems in your API; works with pdb.set_trace(). You
# can also use Gunicorn to host your app. Gunicorn can be configured to
# auto-restart workers when it detects a code change, and it also works
# with pdb.
if __name__ == '__main__':
    httpd = simple_server.make_server('127.0.0.1', 8000, app)
    httpd.serve_forever()

```

Community

The Falcon community maintains a discussion group that you can use to share your ideas and ask questions about the framework. To join the discussion, please visit <https://groups.google.com/d/forum/falconframework>.

Per our

[Code of Conduct <https://github.com/falconry/falcon/blob/master/CODEOFCONDUCT.md>](https://github.com/falconry/falcon/blob/master/CODEOFCONDUCT.md), we expect everyone who participates in community discussions to act professionally, and lead by example in encouraging constructive discussions. Each individual in the community is responsible for creating a positive, constructive, and productive culture.

We also hang out in

[#falconframework <https://kiwiirc.com/client/irc.freenode.net/?#falconframework>](https://kiwiirc.com/client/irc.freenode.net/?#falconframework) on freenode, where everyone is always welcome to ask questions and share ideas.

Contributing

Kurt Griffiths (kgriffs) is the creator and current maintainer of the Falcon framework, with the generous help of a number of stylish and talented contributors.

Pull requests are always welcome. We use the GitHub issue tracker to organize our work, put you do not need to open a new issue before submitting a PR.

Before submitting a pull request, please ensure you have added/updated the appropriate tests (and that all existing tests still pass with your changes), and that your coding style follows PEP 8 and doesn't cause

pyflakes to complain.

Commit messages should be formatted using `AngularJS conventions` <http://goo.gl/QpbS7> `__`.

Comments follow `Google's style guide` <https://google.github.io/styleguide/pyguide.html?showone=Comments#Comments> `__`, with the additional requirement of prefixing inline comments using your GitHub nick and an appropriate prefix:

- TODO(riker): Damage report!
- NOTE(riker): Well, that's certainly good to know.
- PERF(riker): Travel time to the nearest starbase?
- APPSEC(riker): In all trust, there is the possibility for betrayal.

See also: `CONTRIBUTING.md` <https://github.com/falconry/falcon/blob/master/CONTRIBUTING.md> `__`

Legal

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```
.. |Docs| image:: https://readthedocs.org/projects/falcon/badge/?version=stable
   :target: https://falcon.readthedocs.io/en/stable/?badge=stable
   :alt: Falcon web framework docs
.. |Runner| image:: https://a248.e.akamai.net/assets.github.com/images/icons/emoji/runner.png
   :width: 20
   :height: 20
.. |Build Status| image:: https://travis-ci.org/falconry/falcon.svg
   :target: https://travis-ci.org/falconry/falcon
```

.. |codecov.io| image:: <http://codecov.io/github/falconry/falcon/coverage.svg?branch=master>
:target: <http://codecov.io/github/falconry/falcon?branch=master>

Keywords: wsgi web api framework rest http cloud

Platform: UNKNOWN

Classifier: Development Status :: 5 - Production/Stable

Classifier: Environment :: Web Environment

Classifier: Natural Language :: English

Classifier:

Intended Audience :: Developers

Classifier: Intended Audience :: System Administrators

Classifier: License :: OSI Approved :: Apache Software License

Classifier: Operating System :: MacOS :: MacOS X

Classifier: Operating System :: Microsoft :: Windows

Classifier: Operating System :: POSIX

Classifier: Topic :: Internet :: WWW/HTTP :: WSGI

Classifier: Topic :: Software Development :: Libraries :: Application Frameworks

Classifier: Programming Language :: Python

Classifier: Programming Language :: Python :: Implementation :: CPython

Classifier: Programming Language :: Python :: Implementation :: PyPy

Classifier: Programming Language :: Python :: Implementation :: Jython

Classifier: Programming Language :: Python :: 2.6

Classifier: Programming Language :: Python :: 2.7

Classifier: Programming Language :: Python :: 3.3

Classifier: Programming Language :: Python :: 3.4

Classifier: Programming Language :: Python :: 3.5

Found in path(s):

* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/PKG-INFO

*

/opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon.egg-info/PKG-INFO

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used here under the terms of the Apache License, Version 2.0.

Found in path(s):

* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/testing/helpers.py

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Found in path(s):

```
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/testing/resource.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/cmd/bench.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/http_error.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/responders.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/bench/queues/api.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/bench/queues/stats.py
*
/opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/util/misc.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/testing/client.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/request_helpers.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/response_helpers.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/redirects.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/routing/__init__.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/cmd/print_routes.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/request.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/errors.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/bench/queues/claims.py
*
/opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/hooks.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/__init__.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-
1.1.0/falcon/bench/queues/messages.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/util/uri.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/response.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/testing/base.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/tools/build.sh
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/status_codes.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/bench/queues/queues.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/version.py
*
/opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/bench/bench.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/api_helpers.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/testing/__init__.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/http_status.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/routing/compiled.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/api.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/routing/util.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/testing/srmock.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/testing/test_case.py
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/bench/create.py
```

1.68 pyudev 0.21.0

1.68.1 Available under license :

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Version 2.1, February 1999

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1.69 mtd-utils 1.5.1

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1.75 procps 3.2.8

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1.76 procps 3.2.7

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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.

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

That's all there is to it!

1.77 tdb 1.42.12

1.77.1 Available under license :

```
#!/usr/bin/env python3
# Some simple tests for the Python bindings for TDB
# Note that this tests the interface of the Python bindings
# It does not test tdb itself.
#
# Copyright (C) 2007-2008 Jelmer Vernooij <jelmer@samba.org>
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```

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1.78 libxml2 2.9.11

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1.79 ncurses 6.3

1.79.1 Available under license :

Upstream source <https://invisible-island.net/ncurses/ncurses-examples.html>

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

Files: *

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-- vile: `txtmode file-encoding=utf-8`

Upstream source <https://invisible-island.net/ncurses/ncurses.html>

This package is used for testing builds of `ncurses`.

Current `ncurses` maintainer: Thomas Dickey <dickey@invisible-island.net>

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1.80 cheroot 6.4.0

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1.81 safelib 3.1.1

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1.82 wireless-tools 29

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```

```
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Version 3, 29 June 2007

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```

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```
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```

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Metadata-Version: 1.0

Name: wsgiref

Version: 0.1.2

Summary: WSGI (PEP 333) Reference Library

Home-page: <http://cheeseshop.python.org/pypi/wsgiref>

Author: Phillip J. Eby

Author-email: web-sig@python.org

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Description: This is a standalone release of the ``wsgiref`` library to be included in

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HTML

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1.92 linux-kernel 5.4.164

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/* 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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1.95 libsemanage-common 2.8

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Version 2.1, February 1999

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1.101 pycurl 7.43.0-3.ph2

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```
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```

```
<signature of Ty Coon>, 1 April 1989  
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1.104 yajl 2.1.0

1.104.1 Available under license :

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* /opt/cola/permits/1723834055_1687183247.6822069/0/dcm-spice-yajl-2-1-0-0-g88d7964-tar-gz/dcm-spice-yajl-64437c8/include/yajl/yajl_parse.h

*

* /opt/cola/permits/1723834055_1687183247.6822069/0/dcm-spice-yajl-2-1-0-0-g88d7964-tar-gz/dcm-spice-yajl-64437c8/include/yajl/yajl_common.h

* /opt/cola/permits/1723834055_1687183247.6822069/0/dcm-spice-yajl-2-1-0-0-g88d7964-tar-gz/dcm-spice-yajl-64437c8/include/yajl/yajl_gen.h

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1.105 libvirt-python 1.2.15

1.105.1 Available under license :

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Version 2.1, February 1999

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1.108 openssl 1.1.1w

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1.109 cyrus-sasl 2.1.28

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/* CMU libsasl

* Tim Martin

* Rob Earhart

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*/

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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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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		
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1.117 e2fsprogs 1.42.12

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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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```

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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

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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) \$(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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Theodore Ts'o

23-June-2007

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Version 2, June 1991

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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

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1.118 busybox 1.32.1

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A list is generated from git here: <http://memcached.org/about>

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1.123 util-linux 2.30.2

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```
#!/usr/bin/env bash
# MIT licenses will each have a unique MD5 sum since they contain a unique copyright.
# This script will read the license file into memory, strip out the copyright, and then
# generate an MD5 that is not unique and can be matched against a known MIT MD5 sum.
set -e
```

```
calculate_md5_sum() {
  local FILE="$1"

  # Read the contents of the file into a variable
  local raw_license_text=$(<"$FILE")

  # Convert to lowercase
  local lowercase_license_text="{raw_license_text,}"

  # Remove anything before the beginning of the license
  local stripped_license_text=$(awk '/permission is hereby granted,/{p=1} p' <<< "$lowercase_license_text")

  # Replace line breaks (Windows or Linux) with a single space
  local replaced_linebreaks=$(tr "\r\n" ' ' <<< "$stripped_license_text")
```

```

# Replace multiple spaces with a single space
local normalized_license_text=$(tr -s ' ' <<< "$replaced_linebreaks")

# Strip away any non-printable, non-whitespace characters
local clean_unprintable_license_text=$(tr
-cd '[:print:][:space:]' <<< "$normalized_license_text")

# Remove punctuation and special characters
local clean_license_text=$(echo "$clean_unprintable_license_text" | sed 's/[^a-zA-Z ]//g')

# Calculate the MD5 sum of the cleaned license text
local MD5SUM=$(echo -n "$clean_license_text" | md5sum | awk '{print $1}')

# Output the MD5 sum
echo "$MD5SUM"
}

```

```

# Check if the FILE argument is provided
if [ -z "$1" ]; then
echo "Please provide a FILE as an argument."
exit 1
fi

```

```

# Invoke the function with the provided FILE argument
calculate_md5_sum "$1"

```

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1.124 pcre 8.44

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1.125 libjitterentropy 3.4.1

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1.126 libevent 2.1.5-beta

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1.127 iputils 20101006

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 */
```

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 * @(#)tftp.h 8.1 (Berkeley) 6/2/93
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=head1 NAME

docbook2man-spec - convert DocBook RefEntries to Unix manpages

=head1 SYNOPSIS

The SGMLSpm package from CPAN. This contains the sgmlspl script which is used to grok this file. Use it like this:

```
nsgmls some-docbook-document.sgml | sgmlspl docbook2man-spec.pl
```

=head1 DESCRIPTION

This is a sgmlspl spec file that produces Unix-style manpages from RefEntry markup.

See the accompanying RefEntry man page for 'plain new' documentation. :)

=head1 LIMITATIONS

Trying docbook2man on non-DocBook or non-conformant SGML results in undefined behavior. :-)

This program is a slow, dodgy Perl script.

This program does not come close to supporting all the possible markup in DocBook, and will produce wrong output in some cases with supported markup.

=head1 TODO

Add new element handling and fix existing handling. Be robust. Produce cleanest, readable man output as possible (unlike some other converters). Follow Linux man(7) convention. If this results in added logic in this script, that's okay. The code should still be reasonably organized.

Make it faster. If Perl sucks port it to another language.

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=cut

\$Id: docbook2man-spec.pl,v 1.1 2000/07/21 20:22:30 rosalia Exp \$

use SGMLS; # Use the SGMLS package.
use SGMLS::Output; # Use stack-based output.
use SGMLS::Refs;

SGMLSPL script produced automatically by
the script sgmlspl.pl

Document Type: any, but processes only RefEntries
Edited by: me :)
#####

\$write_manpages = 0;
\$blank_xrefs = 0;

sgml('start', sub {
push_output('nul');
\$raw_cdata = 1; # Makes it a bit faster.

Links file
open(LINKSFILE, ">manpage.links");

\$Refs = new SGMLS::Refs("manpage.refs");
});
sgml('end', sub {
close(LINKSFILE);
if(\$blank_xrefs) {
print STDERR "Warning: output contains unresolved XRefs\n";
}
});

Output helpers

#####

Our own version of sgml() and output() to allow simple string output
to play well with roff's stupid whitespace rules.

sub man_sgml
{

```

if(ref($_[1]) eq 'CODE') {
    return &sgml;
}

my $s = $_[1];

$s =~ s/\\\\/\\/g;
$s =~ s/\\/g;

# \n at the beginning means start at beginning of line
if($s
=~ s/^\n/) {
    $sub = 'sub { output "\n" unless $newline_last++; };
    if($s eq ") {
        sgml($_[0], eval('sub { output "\n" unless $newline_last++; }'));
    } elsif($s =~ ^\n$/) {
        sgml($_[0], eval("sub { output '\\\n\' unless \\\$newline_last++; output '$s'; }"));
    } else {
        sgml($_[0], eval("sub { output '\\\n\' unless \\\$newline_last; output '$s'; \\\$newline_last = 0; }"));
    }
} else {
    if($s =~ ^\n$/) {
        sgml($_[0], eval("sub { output '$s'; \\\$newline_last = 1; }"));
    } else {
        sgml($_[0], eval("sub { output '$s'; \\\$newline_last = 0; }"));
    }
}
}

sub man_output
{
    $_ = shift;
    if(s/^\n/) {
        output "\n" unless $newline_last++;
    }
    return if $_ eq ";

    output $_;

    if(@_) {
        output @_;
        $newline_last = (pop(@_) =~ ^\n$/);
    } else {
        $newline_last = ($_ =~ ^\n$/)
    }
}

# Fold lines into one, quote some characters

```

```

sub fold_string
{
    $_ = shift;

    s/\|\\|/g;
    s/"|\\|&"/g;

    # Change tabs to spaces
    tr\t\n/ /;

    # Trim whitespace from beginning and end.
    s/^ +//;
    s/
    +$///;

    return $_;
}

sub save_cdata()
{
    $raw_cdata++;
    push_output('string');
}

sub bold_on()
{
    # If the last font is also bold, don't change anything.
    # Basically this is to just get more readable man output.
    if($fontstack[$#fontstack] ne 'bold') {
        if(!$raw_cdata) {
            output '\fB';
            $newline_last = 0;
        }
    }
    push(@fontstack, 'bold');
}

sub italic_on()
{
    # If the last font is also italic, don't change anything.
    if($fontstack[$#fontstack] ne 'italic') {
        if(!$raw_cdata) {
            output '\fI';
            $newline_last = 0;
        }
    }
    push(@fontstack, 'italic');
}

```

```

sub font_off()
{
my $thisfont = pop(@fontstack);
my $lastfont = $fontstack[$#fontstack];

# Only output font change if it is different
if($thisfont ne $lastfont) {
if($raw_cdata) { return; }
elsif($lastfont eq 'bold') { output '\fB'; }
elsif($lastfont eq 'italic') { output '\fI'; }
else { output '\fR'; }

$newline_last = 0;
}
}

```

```

#####
#
#
Manpage management
#
#####

```

```

sgml('<REFENTRY>', sub {
# This will be overwritten at end of REFMETA, when we know the name of the page.
pop_output();

```

```

$write_manpages = 1; # Currently writing manpage.

```

```

$nocollapse_whitespace = 0; # Current whitespace collapse counter.

```

```

$newline_last = 1; # At beginning of line?

```

```

# Just a bit of warning, you will see this variable manipulated
# manually a lot. It makes the code harder to follow but it
# saves you from having to worry about collapsing at the end of
# parse, stopping at verbatims, etc.

```

```

$raw_cdata = 0; # Instructs certain output functions to
# leave CDATA alone, so we can assign
# it to a string and process it, etc.

```

```

@fontstack = (); # Fonts being activated.

```

```

$manpage_title = ""; # Needed for indexing.

```

```

$manpage_sect = "";

```

```

@manpage_names = ();

$manpage_misc = "";

$list_nestlevel = 0; # Indent certain nested
content.
});
sgml('</REFENTRY>', sub {
if(!$newline_last) {
output "\n";
}

$write_manpages = 0;
$raw_cdata = 1;
push_output('nul');
});

sgml('</REFMETA>', sub {
push_output('file', "$manpage_title.$manpage_sect");

output <<_END_BANNER;
.\|" This manpage has been automatically generated by docbook2man
.\|" from a DocBook document. This tool can be found at:
.\|" <http://shell.ipoline.com/~elmert/comp/docbook2X/>
.\|" Please send any bug reports, improvements, comments, patches,
.\|" etc. to Steve Cheng <steve\@ggi-project.org>.
_END_BANNER

my $manpage_date = `date "+%d %B %Y"`;

output '.TH "'';

# If the title is not mixed-case, convention says to
# uppercase the whole title. (The canonical title is
# lowercase.)
if($manpage_title =~ /[A-Z]/) {
output fold_string($manpage_title);
} else {
output uc(fold_string($manpage_title));
}

output "' '", fold_string($manpage_sect),
"' '", fold_string(`date "+%d %B %Y"`),
"' '", $manpage_misc,
"' '",
$manpage_manual,
"\n";

```

```

$newline_last = 1;

# References to this RefEntry.
my $id = $_[0]->parent->attribute('ID')->value;
if($id ne "") {
    # The 'package name' part of the section should
    # not be used when citing it.
    my ($sectnum) = ($manpage_sect =~ /([0-9]*)/);

    if($_[0]->parent->attribute('XREFLABEL')->value eq "") {
        $Refs->put("refentry:$id", "$manpage_title($sectnum)");
    } else {
        $Refs->put("refentry:$id",
            $_[0]->parent->attribute('XREFLABEL')->value .
            "($sectnum)");
    }
}
});

sgml('<REFENTRYTITLE>', sub {
    if($_[0]->in('REFMETA')) {
        save_cdata();
    } else {
        # Manpage citations are in bold.
        bold_on();
    }
});

sgml('</REFENTRYTITLE>', sub {
    if($_[0]->in('REFMETA')) {
        $raw_cdata--;
        $manpage_title = pop_output();
    }
    else { font_off(); }
});

sgml('<MANVOLNUM>', sub {
    if($_[0]->in('REFMETA')) {
        save_cdata();
    } else {
        # Manpage citations use ().
        output '(';
    }
});

sgml('</MANVOLNUM>', sub {
    if($_[0]->in('REFMETA')) {
        $raw_cdata--;
        $manpage_sect

```

```

= pop_output();
}
else { output ' ' }
});

sgml('<REFMISCINFO>', \&save_cdata);
sgml('</REFMISCINFO>', sub {
    $raw_cdata--;
    $manpage_misc = fold_string(pop_output());
});

# NAME section
man_sgml('<REFNAMEDIV>', "\n.SH NAME\n");

sgml('<REFNAME>', \&save_cdata);
sgml('</REFNAME>', sub {
    $raw_cdata--;
    push(@manpage_names, pop_output());
});

sgml('<REFPURPOSE>', \&save_cdata);
sgml('</REFPURPOSE>', sub {
    $raw_cdata--;
    my $manpage_purpose = fold_string(pop_output());

    for(my $i = 0; $i < $#manpage_names; $i++) {
        output fold_string($manpage_names[$i]), ' ';
    }

    output fold_string($manpage_names[$#manpage_names]);
    output " \|- $manpage_purpose\n";

    $newline_last = 1;

    foreach(@manpage_names) {
        # Don't link to itself
        if($_ ne $manpage_title) {
            print LINKSFILE "$manpage_title.$manpage_sect $_.$manpage_sect\n";
        }
    }
});

man_sgml('<REFCLASS>', "\n.sp\n");

#RefDescriptor

```

```
#####
#
#
SYNOPSIS section and synopses
#
#####

man_sgml('<REFSYNOPSISDIV>', "\n.SH SYNOPSIS\n");
man_sgml('</REFSYNOPSISDIV>', "\n");

## FIXME! Must be made into block elements!!
#sgml('<FUNCSYNOPSIS>', \&bold_on);
#sgml('</FUNCSYNOPSIS>', \&font_off);
#sgml('<CMDSYNOPSIS>', \&bold_on);
#sgml('</CMDSYNOPSIS>', \&font_off);

man_sgml('<FUNCSYNOPSIS>', sub {
man_output("\n.sp\n");
bold_on();
});
man_sgml('</FUNCSYNOPSIS>', sub {
font_off();
man_output("\n");
});

man_sgml('<CMDSYNOPSIS>', "\n\n");
man_sgml('</CMDSYNOPSIS>', "\n\n");

man_sgml('<FUNCPROTOTYPE>', "\n.sp\n");

# Arguments to functions. This is C convention.
man_sgml('<PARAMDEF>', '(');
man_sgml('</PARAMDEF>', '); \n');
man_sgml('<VOID>', "(void); \n");

sub arg_start
{
# my $choice = $_[0]->attribute('CHOICE')->value;

# The content model for CmdSynopsis doesn't include #PCDATA,
# so we won't see any of the whitespace in the source file,
#
```


so we have to add it after each component.

```
output ' ';

if($_[0]->attribute('CHOICE')->value =~ /opt/i) {
  output '[';
}
bold_on();
}
sub arg_end
{
  font_off();
if($_[0]->attribute('REP')->value =~ /^Repeat/i) {
  italic_on();
  output ' ...';
  font_off();
}
if($_[0]->attribute('CHOICE')->value =~ /opt/i) {
  output ']';
}
}
```

```
sgml('<ARG>', \&arg_start);
sgml('</ARG>', \&arg_end);
sgml('<GROUP>', \&arg_start);
sgml('</GROUP>', \&arg_end);
```

```
sgml('<OPTION>', \&bold_on);
sgml('</OPTION>', \&font_off);
```

```
# FIXME: This is one _blank_ line.
man_sgml('<SBR>', "\n\n");
```

```
#####
#
# General sections
#
#####
```

```
# The name of the section is handled by TITLE. This just sets
# up the roff markup.
man_sgml('<REFSECT1>', "\n.SH ");
man_sgml('<REFSECT2>', "\n.SS ");
man_sgml('<REFSECT3>', "\n.SS ");
```

```
#####
#
```

```

#
Titles, metadata.
#
#####

sgml('<TITLE>', sub {
  if($_->in('REFERENCE') or $_->in('BOOK')) {
    $write_manpages = 1;
  }
  save_cdata();
});
sgml('</TITLE>', sub {
  my $title = fold_string(pop_output());
  $raw_cdata--;

  if($_->in('REFERENCE') or $_->in('BOOK')) {
    # We use TITLE of enclosing Reference or Book as manual name
    $manpage_manual = $title;
    $write_manpages = 0;
  }
  elsif(exists $_->parent->ext->{'title'}) {
    # By far the easiest case. Just fold the string as
    # above, and then set the parent element's variable.
    $_->parent->ext->{'title'} = $title;
  }
  else {
    # If the parent element's handlers are lazy,
    # output the folded string for them :)
    # We assume they want uppercase and a newline.
    output "", uc($title), "\\n";
    $newline_last = 1;
  }
});

sgml('<ATTRIBUTION>', sub { push_output('string') });
sgml('</ATTRIBUTION>', sub { $_->parent->ext->{'attribution'}
  = pop_output(); });

# IGNORE.
sgml('<DOCINFO>', sub { push_output('nul'); });
sgml('</DOCINFO>', sub { pop_output(); });
sgml('<REFSECT1INFO>', sub { push_output('nul'); });
sgml('</REFSECT1INFO>', sub { pop_output(); });
sgml('<REFSECT2INFO>', sub { push_output('nul'); });
sgml('</REFSECT2INFO>', sub { pop_output(); });
sgml('<REFSECT3INFO>', sub { push_output('nul'); });
sgml('</REFSECT3INFO>', sub { pop_output(); });

```

```
sgml('<INDEXTERM>', sub { push_output('nul'); });
sgml('</INDEXTERM>', sub { pop_output(); });
```

```
#####
#
# Set bold on enclosed content
#
#####
```

```
sgml('<APPLICATION>', \&bold_on); sgml('</APPLICATION>', \&font_off);
```

```
sgml('<CLASSNAME>', \&bold_on); sgml('</CLASSNAME>', \&font_off);
sgml('<STRUCTNAME>', \&bold_on); sgml('</STRUCTNAME>', \&font_off);
sgml('<STRUCTFIELD>', \&bold_on); sgml('</STRUCTFIELD>', \&font_off);
sgml('<SYMBOL>',
\&bold_on); sgml('</SYMBOL>', \&font_off);
sgml('<TYPE>', \&bold_on); sgml('</TYPE>', \&font_off);
```

```
sgml('<ENVAR>', \&bold_on); sgml('</ENVAR>', \&font_off);
```

```
sgml('<FUNCTION>', \&bold_on); sgml('</FUNCTION>', \&font_off);
```

```
sgml('<EMPHASIS>', \&bold_on); sgml('</EMPHASIS>', \&font_off);
```

```
sgml('<ERRORNAME>', \&bold_on); sgml('</ERRORNAME>', \&font_off);
# ERRORTYPE
```

```
sgml('<COMMAND>', \&bold_on); sgml('</COMMAND>', \&font_off);
```

```
sgml('<GUIBUTTON>', \&bold_on); sgml('</GUIBUTTON>', \&font_off);
sgml('<GUIICON>', \&bold_on); sgml('</GUIICON>', \&font_off);
# GUILABEL
# GUIMENU
# GUIMENUITEM
# GUISUBMENU
# MENUCHOICE
# MOUSEBUTTON
```

```
sgml('<ACCEL>', \&bold_on); sgml('</ACCEL>', \&font_off);
sgml('<KEYCAP>', \&bold_on); sgml('</KEYCAP>', \&font_off);
sgml('<KEYSYM>', \&bold_on); sgml('</KEYSYM>', \&font_off);
# KEYCODE
# KEYCOMBO
# SHORTCUT
```

```
sgml('<USERINPUT>', \&bold_on); sgml('</USERINPUT>', \&font_off);
```

```
sgml('<INTERFACEDEFINITION>', \&bold_on);
sgml('</INTERFACEDEFINITION>', \&font_off);
```

```
#
```

```
May need to look at the CLASS
```

```
sgml('<SYSTEMITEM>', \&bold_on);
sgml('</SYSTEMITEM>', \&font_off);
```

```
#####
```

```
#
```

```
# Set italic on enclosed content
```

```
#
```

```
#####
```

```
sgml('<FIRSTTERM>', \&italic_on); sgml('</FIRSTTERM>', \&font_off);
```

```
sgml('<FILENAME>', \&italic_on); sgml('</FILENAME>', \&font_off);
```

```
sgml('<PARAMETER>', \&italic_on); sgml('</PARAMETER>', \&font_off);
```

```
sgml('<PROPERTY>', \&italic_on); sgml('</PROPERTY>', \&font_off);
```

```
sgml('<REPLACEABLE>', sub {
```

```
italic_on();
```

```
if($_[0]->in("TOKEN")) {
```

```
  # When tokenizing, follow more 'intuitive' convention
```

```
  output "<";
```

```
}
```

```
});
```

```
sgml('</REPLACEABLE>', sub {
```

```
if($_[0]->in("TOKEN")) {
```

```
  output ">";
```

```
}
```

```
font_off();
```

```
});
```

```
sgml('<CITETITLE>', \&italic_on); sgml('</CITETITLE>', \&font_off);
```

```
sgml('<FOREIGNPHRASE>', \&italic_on); sgml('</FOREIGNPHRASE>', \&font_off);
```

```
sgml('<LINEANNOTATION>', \&italic_on); sgml('</LINEANNOTATION>',
```

```
\&font_off);
```

```
#####
#
# Other 'inline' elements
#
#####

man_sgml('<EMAIL>', '<');
man_sgml('</EMAIL>', '>');
man_sgml('<OPTIONAL>', '[');
man_sgml('</OPTIONAL>', ']');

man_sgml('</TRADEMARK>', "\\u\\s-2TM\\s+2\\d");

man_sgml('<COMMENT>', "[Comment: ");
man_sgml('</COMMENT>', "]");

man_sgml('<QUOTE>', '"');
man_sgml('</QUOTE>', '"');

#man_sgml('<LITERAL>', '');
#man_sgml('</LITERAL>', '');

# No special presentation:

# AUTHOR
# AUTHORINITIALS

# ABBREV
# ACTION
# ACRONYM
# ALT
# CITATION
# PHRASE
# QUOTE
# WORDASWORD

# COMPUTEROUTPUT
# MARKUP
# PROMPT
# RETURNVALUE
# SGMLTAG
# TOKEN

# DATABASE
# HARDWARE
# INTERFACE
```

MEDIALABEL

There doesn't seem to be a good way to represent LITERAL in -man

#####

#

Paragraph and paragraph-like elements

#

#####

sub

para_start {

output "\n" unless \$newline_last++;

In lists, etc., don't start paragraph with .PP since

the indentation will be gone.

if(\$_[0]->parent->ext->{'nbreak'}==1) {

Usually this is the FIRST element of

a hanging tag, so we MUST not do a full

paragraph break.

\$_[0]->parent->ext->{'nbreak'} = 2;

} elsif(\$_[0]->parent->ext->{'nbreak'}==2) {

Usually these are the NEXT elements of

a hanging tag. If we break using a blank

line, we're okay.

output "\n";

} else {

Normal case. (For indented blocks too, at least

-man isn't so braindead in this area.)

output ".PP\n";

}

}

Actually applies to a few other block elements as well

sub para_end {

output "\n" unless \$newline_last++;

}

sgml('<PARA>', \¶_start);

sgml('</PARA>', \¶_end);

sgml('<SIMPARA>', \¶_start);

sgml('</SIMPARA>', \¶_end);

Nothing special, except maybe FIXME set nobreak.

sgml('<INFORMALEXAMPLE>',

```
\&para_start);
sgml('</INFORMALEXAMPLE>', \&para_end);
```

```
#####
#
# Blocks using SS sections
#
#####
```

```
# FIXME: We need to consider the effects of SS
# in a hanging tag :(
```

```
# Complete with the optional-title dilemma (again).
sgml('<ABSTRACT>', sub {
  $_[0]->ext->{'title'} = 'ABSTRACT';
  output "\n" unless $newline_last++;
  push_output('string');
});
sgml('</ABSTRACT>', sub {
  my $content = pop_output();
```

```
# As ABSTRACT is never on the same level as RefSect1,
# this leaves us with only .SS in terms of -man macros.
output ".SS \"", uc($_[0]->ext->{'title'}), "\"\n";
```

```
output $content;
output "\n" unless $newline_last++;
});
```

```
# Ah, I needed a break. Example always has a title.
man_sgml('<EXAMPLE>', "\n.SS ");
sgml('</EXAMPLE>', \&para_end);
```

```
# Same with sidebar.
man_sgml('<SIDEBAR>', "\n.SS ");
sgml('</SIDEBAR>', \&para_end);
```

```
# NO title.
man_sgml('<HIGHLIGHTS>',
  "\n.SS HIGHLIGHTS\n");
sgml('</HIGHLIGHTS>', \&para_end);
```

```
#####
#
# Indented 'Block' elements
#
#####

sub indent_block_start
{
output "\n" unless $newline_last++;
output ".sp\n.RS\n";
}
sub indent_block_end
{
output "\n" unless $newline_last++;
output ".RE\n";
}

# This element is almost like an admonition (below),
# only the default title is blank :)

sgml('<BLOCKQUOTE>', sub {
$_[0]->ext->{'title'} = "";
output "\n" unless $newline_last++;
push_output('string');
});
sgml('</BLOCKQUOTE>', sub {
my $content = pop_output();

indent_block_start();

if($_[0]->ext->{'title'}) {
output ".B \"", $_[0]->ext->{'title'}, ":\n";
}

output $content;

if($_[0]->ext->{'attribution'}) {
output "\n" unless $newline_last++;
# One place where roff's space-sensitivity makes sense :)
output "\n      -- ";
output
$_[0]->ext->{'attribution'} . "\n";
}

indent_block_end();
});
```



```

# Set off admonitions from the rest of the text by indenting.
# FIXME: Need to check if this works inside paragraphs, not enclosing them.
sub admonition_end {
    my $content = pop_output();

    indent_block_start();

    # When the admonition is only one paragraph,
    # it looks nicer if the title was inline.
    my $num_para;
    while ($content =~ /\^\.PP/gm) { $num_para++ }
    if($num_para==1) {
        $content =~ s/\^\.PP\n//;
    }

    output ".B \"\" . $_[0]->ext->{'title'} . \"\":";
    output $content;

    indent_block_end();
}

sgml('<NOTE>', sub {
    # We can't see right now whether or not there is a TITLE
    # element, so we have to save the output now and add it back
    # at the end of this admonition.
    $_[0]->ext->{'title'} = 'Note';

    # Although admonition_end's indent_block_start will do this,
    # we need to synchronize the output _now_
    output "\n" unless $newline_last++;

    push_output('string');
});
sgml('</NOTE>', \&admonition_end);

#
# Same as above.
sgml('<WARNING>', sub {
    $_[0]->ext->{'title'} = 'Warning';
    output "\n" unless $newline_last++;
    push_output('string');
});
sgml('</WARNING>', \&admonition_end);

sgml('<TIP>', sub {
    $_[0]->ext->{'title'} = 'Tip';
    output "\n" unless $newline_last++;
    push_output('string');
});

```

```

});
sgml('</TIP>', \&admonition_end);
sgml('<CAUTION>', sub {
    $_[0]->ext->{'title'} = 'Caution';
    output "\n" unless $newline_last++;
    push_output('string');
});
sgml('</CAUTION>', \&admonition_end);

sgml('<IMPORTANT>', sub {
    $_[0]->ext->{'title'} = 'Important';
    output "\n" unless $newline_last++;
    push_output('string');
});
sgml('</IMPORTANT>', \&admonition_end);

```

```

#####
#
# Verbatim displays.
#
#####

```

```

sub verbatim_start {
    output "\n" unless $newline_last++;

    if($_[0]->parent->ext->{'nobreak'}==1) {
        # Usually this is the FIRST element of
        #
        a hanging tag, so we MUST not do a full
        # paragraph break.
        $_[0]->parent->ext->{'nobreak'} = 2;
    } else {
        output "\n";
    }

    output(".nf\n") unless $nocollapse_whitespace++;
}

```

```

sub verbatim_end {
    output "\n" unless $newline_last++;
    output(".fi\n") unless --$nocollapse_whitespace;
}

sgml('<PROGRAMLISTING>', \&verbatim_start);
sgml('</PROGRAMLISTING>', \&verbatim_end);

sgml('<SCREEN>', \&verbatim_start);
sgml('</SCREEN>', \&verbatim_end);

sgml('<LITERALLAYOUT>', \&verbatim_start);
sgml('</LITERALLAYOUT>', \&verbatim_end);

#sgml('<SYNOPSIS>', sub {
# if($_[0]->attribute('FORMAT')->value =~ /linespecific/i) {
#   &verbatim_start;
# } else {
#   roffcmd("");
# }
#});
#
#sgml('</SYNOPSIS>', sub {
# if($_[0]->attribute('FORMAT')->value =~ /linespecific/i) {
#   &verbatim_end;
# }
# else {
#   roffcmd("");# not sure about this.
# }
#});
sgml('<SYNOPSIS>', \&verbatim_start);
sgml('</SYNOPSIS>', \&verbatim_end);

#####
#
#
Lists
#
#####

```

```

# Indent nested lists.
sub indent_list_start {
  if($list_nestlevel++) {
    output "\n" unless $newline_last++;
    output ".RS\n";
  }
}
sub indent_list_end {
  if(--$list_nestlevel) {
    output "\n" unless $newline_last++;
    output ".RE\n";
  }
}

sgml('<VARIABLELIST>', \&indent_list_start);
sgml('</VARIABLELIST>', \&indent_list_end);
sgml('<ITEMIZEDLIST>', \&indent_list_start);
sgml('</ITEMIZEDLIST>', \&indent_list_end);
sgml('<ORDEREDLIST>', sub {
  indent_list_start();
  $_[0]->ext->{'count'} = 1;
});
sgml('</ORDEREDLIST>', \&indent_list_end);

# Output content on one line, bolded.
sgml('<TERM>', sub {
  output "\n" unless $newline_last++;
  output ".TP\n";
  bold_on();
  push_output('string');
});
sgml('</TERM>', sub {
  my $term = pop_output();
  $term =~ tr/\n//;
  output $term;
  font_off();
  output "\n";
  $newline_last = 1;
});

sgml('<LISTITEM>', sub {
  # A bulleted list.
  if($_[0]->in('ITEMIZEDLIST'))
  {
    output "\n" unless $newline_last++;
    output ".TP 0.2i\n\\(bu\n";
  }
}

```

```

# Need numbers.
# Assume Arabic numeration for now.
elseif($_[0]->in('ORDEREDLIST')) {
    output "\n" unless $newline_last++;
    output ".TP ", $_[0]->parent->ext->{'count'}++, ". \n";
}

$_[0]->ext->{'nobreak'} = 1;
});

sgml('<SIMPLELIST>', sub {
    $_[0]->ext->{'first_member'} = 1;
});

sgml('<MEMBER>', sub {
    my $parent = $_[0]->parent;

    if($parent->attribute('TYPE')->value =~ /Inline/i) {
        if($parent->ext->{'first_member'}) {
            # If this is the first member don't put any commas
            $parent->ext->{'first_member'} = 0;
        } else {
            output ", ";
        }
    } elseif($parent->attribute('TYPE')->value =~ /Vert/i) {
        output "\n" unless $newline_last++;
        output "\n";
    }
});

#####
#
# Stuff we don't know how to handle (yet)
#
#####

# Address blocks:

# Credit stuff:
#
ACKNO
# ADDRESS
# AFFILIATION

```

```
# ARTPAGENUMS
# CONTRIBUTION
# AUTHORBLURB
# AUTHORGROUP
# OTHERCREDIT
# HONORIFIC
```

```
# Areas:
# AREA
# AREASET
# AREASPEC
```

```
#####
#
# Linkage, cross references
#
#####
```

```
# Print the URL
sgml('</ULINK>', sub {
# output ' <URL:', $_[0]->attribute('URL')->value, '>';
  $newline_last = 0;
});
```

```
# If cross reference target is a RefEntry,
# output CiteRefEntry-style references.
sgml('<XREF>', sub {
  my $id = $_[0]->attribute('LINKEND')->value;
  my $manref = $Refs->get("refentry:$id");
```

```
  if($manref) {
    my ($title, $sect) = ($manref =~ /(.*)(\(.*\))/);
    bold_on();
    output $title;
    font_off();
    output $sect;
  } else {
    $blank_xrefs++ if $write_manpages;
    output "[XRef to $id]";
  }
}
```

```
$newline_last = 0;
});
```

Anchor

```
#####  
#  
# Other handlers  
#  
#####
```

```
man_sgml('[lt  
    ]', '<');  
man_sgml('[gt  ]', '>');  
man_sgml('[amp ]', '&');
```

```
#  
# Default handlers (uncomment these if needed). Right now, these are set  
# up to gag on any unrecognised elements, sdata, processing-instructions,  
# or entities.  
#  
# sgml('start_element',sub { die "Unknown element: " . $_[0]->name; });  
# sgml('end_element'," );
```

```
# This is for weeding out and escaping certain characters.  
# This looks like it's inefficient since it's done on every line, but  
# in reality, SGMLSpn and sgmlspl parsing ESIS takes _much_ longer.
```

```
sgml('cdata', sub  
{  
  if(!$write_manpages) { return; }  
  elsif($raw_cdata) { output $_[0]; return; }
```

```
# Escape backslashes  
$_[0] =~ s/\\|\\|\\|\\|\\|\\|g;
```

```
# In non-'pre'-type elements:  
if(!$nocollapse_whitespace) {  
  # Change tabs to spaces  
  $_[0] =~ tr/t/ /;
```

```
# Do not allow indents at beginning of line  
# groff chokes on that.  
if($newline_last) {  
  $_[0] =~ s/^ +//;
```

```
# If the
```

line is all blank, don't do anything.

```
if($_[0] eq "") { return; }
```

```
$_[0] =~ s/^\.\|&\.\/;
```

```
# Argh... roff doesn't like ' either...
```

```
$_[0] =~ s/^\.\|&\.\/;
```

```
}
```

```
}
```

```
$newline_last = 0;
```

```
output $_[0];
```

```
});
```

```
# When in whitespace-collapsing mode, we disallow consecutive newlines.
```

```
sgml('re', sub
```

```
{
```

```
if($nocollapse_whitespace || !$newline_last) {
```

```
output "\n";
```

```
}
```

```
$newline_last = 1;
```

```
});
```

```
sgml('sdata',sub { die "Unknown SDATA: " . $_[0]; });
```

```
sgml('pi',sub { die "Unknown processing instruction: " . $_[0]; });
```

```
sgml('entity',sub { die "Unknown external entity: " . $_[0]->name; });
```

```
sgml('start_subdoc',sub { die "Unknown subdoc entity: " . $_[0]->name; });
```

```
sgml('end_subdoc','');
```

```
sgml('conforming','');
```

```
1;
```

Found in path(s):

```
* /opt/cola/permits/1826454257_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-  
s20101006/doc/docbook2man-spec.pl
```

No license file was found, but licenses were detected in source scan.

```
/*
```

```
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```

```
* All rights reserved.
```

```
*
```

```
* This code is derived from software contributed to Berkeley by
```

```
* Mike Muuss.
```

```
*
```



```

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* 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.
*/
/*
* P I N G . C
*
* Using the InterNet Control Message Protocol (ICMP) "ECHO" facility,
* measure round-trip-delays and packet loss across network paths.
*
* Author -
* Mike Muuss
* U. S. Army Ballistic Research Laboratory
* December, 1983
*
* Status -
* Public Domain. Distribution Unlimited.
* Bugs -
* More statistics could always be gathered.
* This program has to run SUID to ROOT to access the ICMP socket.
*/

```

Found in path(s):

* /opt/cola/permits/1826454257_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/ping.c
* /opt/cola/permits/1826454257_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/ping6.c

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/*

* tracepath.c

*

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*

* Authors: Alexey Kuznetsov, <kuznet@ms2.inr.ac.ru>

*/

Found in path(s):

* /opt/cola/permits/1826454257_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/tracepath.c

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/*

* tracepath6.c

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*

* Authors: Alexey Kuznetsov, <kuznet@ms2.inr.ac.ru>

*/

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Found in path(s):

* /opt/cola/permits/1826454257_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/doc/tftpd.shtml

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Found in path(s):

* /opt/cola/permits/1826454257_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/doc/ping.shtml
No license file was found, but licenses were detected in source scan.

/* pg3.c: Packet Generator for packet performance testing.

*

* Copyright 2001 by Robert Olsson <robert.olsson@its.uu.se>

*

Uppsala University, Sweden

*

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*

*

*

*/

Found in path(s):

* /opt/cola/permits/1826454257_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/Modules/pg3.c
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```

Found in path(s):

```

* /opt/cola/permits/1826454257_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/tftpd.c
*
* /opt/cola/permits/1826454257_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/tftpsubs.c
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```

```

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* arping.c
*
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* as published by the Free Software Foundation; either version
* 2 of the License, or (at your option) any later version.
*
* Authors: Alexey Kuznetsov, <kuznet@ms2.inr.ac.ru>
*/

```

Found in path(s):

```

* /opt/cola/permits/1826454257_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/arping.c

```

1.128 python-certifi 2017.11.05

1.128.1 Available under license :

This package contains a modified version of ca-bundle.crt:

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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@(#) \$RCSfile: certdata.txt,v \$

\$Revision: 1.80 \$ \$Date: 2011/11/03 15:11:58 \$

1.129 python-certifi 2017.11.5

1.129.1 Available under license :

This package contains a modified version of ca-bundle.crt:

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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@(#) \$RCSfile: certdata.txt,v \$

\$Revision: 1.80 \$ \$Date: 2011/11/03 15:11:58 \$

1.130 tftp-hpa 5.2

1.130.1 Available under license :

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Found in path(s):

```
* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftpd/tftpd.8.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 egcs

- * 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/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftp.spec

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Found in path(s):

* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftp/1.in

No license file was found, but licenses were detected in source scan.

/* *_c_*-----*

*

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*

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* <http://www.openbsd.org/>.

*

-----/

Found in path(s):

* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/config.h

No license file was found, but licenses were detected in source scan.

```
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* as the "OpenBSD" operating system, distributed at
* http://www.openbsd.org/.
*
* ----- */
```

Found in path(s):

* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftpd/remap.h

* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftpd/remap.c

* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftpd/misc.c

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>
 - 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 egcs

- * 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/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftp.spec.in

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```
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* http://www.openbsd.org/.
*
* ----- */
```

Found in path(s):

* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftpd/recvfrom.h

* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftpd/recvfrom.c

No license file was found, but licenses were detected in source scan.

```
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```

```
* http://www.openbsd.org/.
*
* ----- */
```

Found in path(s):

```
* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftpd/tftpd.h
```

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```
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```

Found in path(s):

```
* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/MCONFIG.in
```

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```
/*
```

```
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```

```
/*
```

```
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```

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* SUCH DAMAGE.
*/

Found

in path(s):

*/opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftpd/tftpd.c

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*/

Found in path(s):

*/opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftp/extern.h

*

/opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/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/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/common/tftpsubs.c

*

/opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftp/main.c

* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftp/tftp.c

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