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Contents

1.1 pytest-grpc 0.8.0

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

from setuptools import setup, find_packages

install_requires = ["pytest>=3.6.0"]

with open("README.md", "r") as fh:
  long_description = fh.read()

setup(
  name="pytest-grpc",
  license="MIT",
  version='0.8.0',
  author="Denis Kataev",
  author_email="denis.a.kataev@gmail.com",
  url="",

```
    platforms=["linux", "osx", "win32"],
    packages=find_packages(),
    entry_points={
        "pytest11": ["pytest_grpc = pytest_grpc.plugin"]
    },
    description='pytest plugin for grpc',
    long_description=long_description,
    long_description_content_type="text/markdown",
    install_requires=install_requires,
    classifiers=[
        "Framework :: Pytest",
        "Intended Audience :: Developers",
        "License :: OSI Approved :: MIT License",
        "Operating System :: POSIX",
        "Operating System :: Microsoft :: Windows",
        "Operating System :: MacOS :: MacOS X",
        "Topic :: Software
 Development :: Testing",
        "Topic :: Software Development :: Quality Assurance",
        "Topic :: Utilities",
        "Programming Language :: Python",
        "Programming Language :: Python :: 3.6",
        "Programming Language :: Python :: 3.7",
    ],
)
```

Found in path(s):
* /opt/cola/permits/1212569345_1633931334.16/0/pytest-grpc-0-8-0-tar-gz/pytest-grpc-0.8.0/setup.py
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Metadata-Version: 2.1
Name: pytest-grpc
Version: 0.8.0
Summary: pytest plugin for grpc
Home-page: UNKNOWN
Author: Denis Kataev
Author-email: denis.a.kataev@gmail.com
License: MIT
Description: # pytest-grpc

    Write test for gRPC with pytest.

    ## Example

    See example dir and/or read 'usage'.

    ## Usage

For example you have some proto file with rpc declaration.

```proto
syntax = "proto3";

package test.v1;


service EchoService {
   rpc handler(EchoRequest) returns (EchoResponse) {
   }
}


message EchoRequest {
   string name = 1;
}

message EchoResponse {
   string name = 1;
}
```

After compile it with grpcio-tools, you get *_pb2.py and *_pb2_grpc.py files, now you can write your service.

```python
from stub.test_pb2 import EchoRequest, EchoResponse
from stub.test_pb2_grpc import EchoServiceServicer


class Servicer(EchoServiceServicer):
   def handler(self, request: EchoRequest, context) -> EchoResponse:
      return EchoResponse(name=f'test-{request.name}')

   def error_handler(self, request: EchoRequest, context) -> EchoResponse:
      raise RuntimeError('Some error')
```

Point pytest with your stubs and service:

```python
import pytest

from stub.test_pb2 import EchoRequest
```

```python
@pytest.fixture(scope='module')
def grpc_add_to_server():
    from stub.test_pb2_grpc import add_EchoServiceServicer_to_server

    return add_EchoServiceServicer_to_server


@pytest.fixture(scope='module')
def grpc_servicer():
    from servicer import Servicer

    return Servicer()


@pytest.fixture(scope='module')
def grpc_stub_cls(grpc_channel):
    from stub.test_pb2_grpc import EchoServiceStub

    return EchoServiceStub
```

Write little test:
```python
def test_some(grpc_stub):
    request = EchoRequest()
    response = grpc_stub.handler(request)

    assert response.name == f'test-{request.name}'

def test_example(grpc_stub):
    request = EchoRequest()
    response = grpc_stub.error_handler(request)

    assert response.name == f'test-{request.name}'
```

Testing secure server

```python
from pathlib import Path
import pytest
import grpc

@pytest.fixture(scope='module')
```

```python
def grpc_add_to_server():
    from stub.test_pb2_grpc import add_EchoServiceServicer_to_server

    return add_EchoServiceServicer_to_server


@pytest.fixture(scope='module')
def grpc_servicer():
    from servicer import Servicer

    return Servicer()


@pytest.fixture(scope='module')
def grpc_stub_cls(grpc_channel):
    from stub.test_pb2_grpc import EchoServiceStub

    return EchoServiceStub


@pytest.fixture(scope='session')
def my_ssl_key_path():
    return Path('/path/to/key.pem')


@pytest.fixture(scope='session')
def my_ssl_cert_path():
    return Path('/path/to/cert.pem')


@pytest.fixture(scope='module')
def grpc_server(_grpc_server, grpc_addr, my_ssl_key_path, my_ssl_cert_path):
    """
    Overwrites
default `grpc_server` fixture with ssl credentials
    """
    credentials = grpc.ssl_server_credentials([
        (my_ssl_key_path.read_bytes(),
         my_ssl_cert_path.read_bytes())
    ])

    _grpc_server.add_secure_port(grpc_addr, server_credentials=credentials)
    _grpc_server.start()
    yield _grpc_server
    _grpc_server.stop(grace=None)


@pytest.fixture(scope='module')
```

```python
def my_channel_ssl_credentials(my_ssl_cert_path):
    # If we're using self-signed certificate it's necessarily to pass root certificate to channel
    return grpc.ssl_channel_credentials(
        root_certificates=my_ssl_cert_path.read_bytes()
    )


@pytest.fixture(scope='module')
def grpc_channel(my_channel_ssl_credentials, create_channel):
    """
    Overwrites default `grpc_channel` fixture with ssl credentials
    """
    with create_channel(my_channel_ssl_credentials) as channel:
        yield channel


@pytest.fixture(scope='module')
def grpc_authorized_channel(my_channel_ssl_credentials, create_channel):
    """
    Channel with authorization header passed
    """
    grpc_channel_credentials = grpc.access_token_call_credentials("some_token")
    composite_credentials = grpc.composite_channel_credentials(
        my_channel_ssl_credentials,
        grpc_channel_credentials
    )
    with create_channel(composite_credentials) as channel:
        yield channel


@pytest.fixture(scope='module')
def my_authorized_stub(grpc_stub_cls, grpc_channel):
    """
    Stub with authorized channel
    """
    return grpc_stub_cls(grpc_channel)
```

Run tests against real gRPC server

Run tests against read grpc server worked in another thread:

```bash
py.test
```

```
```

---

cachedir: .pytest_cache
plugins: grpc-0.0.0
collected 2 items

example/test_example.py::test_some PASSED
example/test_example.py::test_example FAILED

================================== FAILURES ===================================
_____ test_example _____

grpc_stub = <stub.test_pb2_grpc.EchoServiceStub object at 0x107a9b390>

    def test_example(grpc_stub):
        request = EchoRequest()
>   response = grpc_stub.error_handler(request)

example/test_example.py:35:
_ _
.env/lib/python3.7/site-packages/grpc/_channel.py:547: in __call__
        return _end_unary_response_blocking(state, call, False, None)
_ _

state = <grpc._channel._RPCState object at 0x107b263c8>
call = <grpc._cython.cygrpc.SegregatedCall object at 0x107b323c8>
with_call = False, deadline = None

    def _end_unary_response_blocking(state, call, with_call, deadline):
        if state.code is grpc.StatusCode.OK:
            if with_call:
                rendezvous = _Rendezvous(state, call, None, deadline)
                return state.response, rendezvous
            else:
                return state.response
        else:
>   raise _Rendezvous(state, None, None, deadline)
E   grpc._channel._Rendezvous: <_Rendezvous of RPC that terminated with:
E   status = StatusCode.UNKNOWN
E   details = "Exception calling application: Some error"
E   debug_error_string = "{"created":"@1544451353.148337000","description":"Error received from peer","file":"src/core/lib/surface/call.cc","file_line":1036,"grpc_message":"Exception calling application: Some error","grpc_status":2}"
E   >

.env/lib/python3.7/site-packages/grpc/_channel.py:466: _Rendezvous
-------------------------------- Captured log call -------------------------------

```
_server.py              397 ERROR    Exception calling application: Some error
Traceback (most recent call last):
  File "pytest-grpc/.env/lib/python3.7/site-packages/grpc/_server.py", line 389, in _call_behavior
    return behavior(argument, context), True
  File "pytest-grpc/example/src/servicer.py", line 10, in error_handler
    raise RuntimeError('Some error')
RuntimeError: Some error
================ 1 failed, 1 passed, 1 warnings
in 0.16 seconds =================
```

Run tests directly to python code
Call handlers directly, with fake grpc internals:

```bash
py.test --grpc-fake-server
```

In this case your get nice direct exceptions:

```
============================= test session starts =============================
cachedir: .pytest_cache
plugins: grpc-0.0.0
collected 2 items

example/test_example.py::test_some PASSED
example/test_example.py::test_example FAILED

================================= FAILURES =================================
_____ test_example _____

grpc_stub = <stub.test_pb2_grpc.EchoServiceStub object at 0x10e06f518>

    def test_example(grpc_stub):
        request = EchoRequest()
>       response
= grpc_stub.error_handler(request)

example/test_example.py:35:
_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
pytest_grpc/plugin.py:42: in fake_handler
    return real_method(request, context)
_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

self = <servicer.Servicer object at 0x10ce75278>, request =
context = <pytest_grpc.plugin.FakeContext object at 0x10e083e48>
```

```
        def error_handler(self, request: EchoRequest, context) -> EchoResponse:
>           raise RuntimeError('Some error')
E           RuntimeError: Some error

example/src/servicer.py:10: RuntimeError
=============== 1 failed, 1 passed, 1 warnings in 0.10 seconds ===============
```

Run the servicer on multiple threads
The number of workers threads for gRPC can be specified in two ways:

  - add `--grpc-max-workers=<n>` to the arguments
    - test modules can also use a `grpc_max_workers=<n>` variable

See `test_blocking` in example.

Platform: linux
Platform: osx
Platform: win32
Classifier: Framework :: Pytest
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Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 3.6
Classifier: Programming Language :: Python :: 3.7
Description-Content-Type: text/markdown

Found in path(s):
* /opt/cola/permits/1212569345_1633931334.16/0/pytest-grpc-0-8-0-tar-gz/pytest-grpc-0.8.0/PKG-INFO
* /opt/cola/permits/1212569345_1633931334.16/0/pytest-grpc-0-8-0-tar-gz/pytest-grpc-0.8.0/pytest_grpc.egg-info/PKG-INFO

1.2 alpine-keys 2.4-r1

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1.3 cloudpickle 2.2.0

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1.4 blis-framework 0.7.0

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1.5 iniconfig 2.0.0

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1.6 mdurl 0.1.2

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1.7 spacy-legacy 3.0.12

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1.8 bridgeutils 1.7.1-r2

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1.9 gdbm 1.23-r1

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1.10 bzip2 1.0.8-r6

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bzip2/libbzip2 version 1.0.8 of 13 July 2019

1.11 pax-utils 1.3.7-r2

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

Including attribution to #612

Found in path(s):
* /opt/cola/permits/1768276572_1692297746.6031988/0/pallets-click-8-1-7-0-g874ca2b-tar-gz/pallets-click-
006ae84/tests/test_formatting.py
No license file was found, but licenses were detected in source scan.

.. _contrib:

============
click-contrib
============

As the number of users of Click grows, more and more major feature requests are
made. To users it may seem reasonable to include those features with Click;
however, many of them are experimental or aren't practical to support
generically. Maintainers have to choose what is reasonable to maintain in Click
core.

The click-contrib_ GitHub organization exists as a place to collect third-party
packages that extend Click's features. It is also meant to ease the effort of
searching for such extensions.

Please note that the quality and stability of those packages may be different
than Click itself. While published under a common organization, they are still
separate from Click and the Pallets maintainers.

.. _click-contrib: https://github.com/click-contrib/

Found in path(s):
* /opt/cola/permits/1768276572_1692297746.6031988/0/pallets-click-8-1-7-0-g874ca2b-tar-gz/pallets-click-006ae84/docs/contrib.rst
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /opt/cola/permits/1768276572_1692297746.6031988/0/pallets-click-8-1-7-0-g874ca2b-tar-gz/pallets-click-006ae84/setup.cfg
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Found in path(s):
* /opt/cola/permits/1768276572_1692297746.6031988/0/pallets-click-8-1-7-0-g874ca2b-tar-gz/pallets-click-006ae84/src/click/parser.py

1.13 murmur-hash 1.0.10

1.13.1 Available under license :

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1.14 preshed 3.0.9

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1.15 cymem 2.0.8

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1.16 srsly 2.4.8

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1.17 spacy-loggers 1.0.5

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1.18 blis 0.7.11

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1.19 catalogue 2.0.10

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1.20 urllib3 1.26.18

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1.21 shellingham 1.5.4

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1.22 distlib 0.3.8

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A. HISTORY OF THE SOFTWARE
==========================

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

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

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

of
the PSF.

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

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes

3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1	2010	PSF	yes
3.2	3.1	2010	PSF	yes

Footnotes:

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

Thanks to the many outside volunteers who have worked under Guido's
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distlib has started off using some of the code from distutil2.

If you're making a patch, please add your name below in alphabetical order,
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Corresponding Source from a network server at no charge.

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the same way through the same place at no
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1.25 mpdecimal 4.0.0-r0

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1.26 python-pip 24.0

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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

Version	Derived from	Year	Owner	GPL compatible
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1	2010	PSF	yes
3.2	3.1	2010	PSF	yes

Footnotes:

(1) GPL-compatible doesn't mean that we're distributing Python under
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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible,
   because its license has a choice of law clause. According to
   CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1
   is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's
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1.27 numpy 1.26.4

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  (including a physical distribution medium),
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NumPy

Julia

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SFC64

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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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MT19937

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The rk_random and rk_seed functions algorithms and the original design of
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Original algorithm for the implementation of rk_interval function from
Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by
Magnus Jonsson.

Constants used in the rk_double implementation by Isaku Wada.

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1.28 lapack 1.26.4

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Files: numpy.libs/libopenblas*.so
Description: bundled as a dynamically linked library
Availability: https://github.com/OpenMathLib/OpenBLAS/
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Description: dynamically linked to files compiled with gcc
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Description: dynamically linked to files compiled with gcc
Availability: https://gcc.gnu.org/git/?p=gcc.git;a=tree;f=libquadmath
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NumPy

Julia

The ziggurat methods were derived from Julia.

https://github.com/JuliaLang/julia/contributors

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SFC64

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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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

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

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

d) Convey the object code by offering access from a designated
 place (gratis or for a charge), and offer equivalent access to the
Corresponding Source in the same way through the same place at no
further charge. You need not require recipients to copy the
Corresponding Source along with the object code. If the place to
copy the object code is a network server, the Corresponding Source
may be on a different server (operated by you or a third party)
that supports equivalent copying facilities, provided you maintain
clear directions next to the object code saying where to find the
Corresponding Source. Regardless of what server hosts the
Corresponding Source, you remain obligated to ensure that it is
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e) Convey the object code using peer-to-peer transmission, provided
you inform other peers where the object code and Corresponding
Source of the work are being offered to the general public at no
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 A
 separable portion of the object code, whose source code is excluded
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The rk_random and rk_seed functions algorithms and the original design of
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Original algorithm for the implementation of rk_interval function from
Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by
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Constants used in the rk_double implementation by Isaku Wada.

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1.29 libffi 3.4.6-r0

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threshold for this to be true is not precisely defined by law.

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

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

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

 6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
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directing the user to the copy of this License. Also, you must do one
of these things:

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

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

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

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

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e) Verify that the user has already received a copy of these
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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
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use both them and the Library together in an executable that you
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1.35 tre 1.2.5-r0

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appropriate copyright notice and disclaimer of warranty; keep intact
all the notices that refer to this License and to the absence of any
warranty; and distribute a copy of this License along with the
Library.

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

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

a) The modified work must itself be a software library.

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

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

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

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

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Library,
and
can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Library, the distribution of the whole must be on the terms of

this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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

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

 3. You may opt to apply the terms
 of the ordinary GNU General Public
License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.
^L
 Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

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

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

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

 5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a

work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

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

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

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

 Otherwise, if the work is a derivative of the Library, you may
distribute
 the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.
^L
 6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

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

  a) Accompany the work with the complete corresponding
   machine-readable source code for the Library including whatever

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

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

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

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

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

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

 It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
distribute.
^L
 7. You may place library facilities that are a work based on the

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

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

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

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Some devices are designed to deny users access to install or run
modified versions of the software inside them, although the manufacturer
can do so. This is fundamentally incompatible with the aim of

protecting users' freedom to change the software. The systematic
pattern of such abuse occurs in the area of products for individuals to
use, which is precisely where it is most unacceptable. Therefore, we
have designed this version of the GPL to prohibit the practice for those
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 ready to extend this provision to those domains in future versions
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 Finally, every program is threatened constantly by software patents.
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make it effectively proprietary. To prevent this, the GPL assures that
patents cannot be used to render the program non-free.

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

TERMS AND CONDITIONS

 0. Definitions.

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

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

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

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

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

 To "propagate" a work means to do anything with it that, without
permission, would make you directly or secondarily liable for
infringement under applicable copyright law, except executing it on a
computer or modifying a private copy. Propagation includes copying,
distribution (with or without modification), making available to the
public, and in some countries other activities as well.

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

 An interactive user interface displays "Appropriate Legal Notices"
to the extent that it includes a convenient and prominently visible
feature that (1) displays an appropriate copyright notice, and (2)
tells the user that there is no warranty for the work (except to the
extent that warranties are provided), that licensees may convey the
work under this License, and how to view a copy of this License. If
the interface presents a list of user commands or options, such as a
menu, a prominent item in the list meets this criterion.

 1. Source Code.

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

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

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

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

such as by intimate data communication or control flow between those
subprograms and other parts of the work.

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

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

 2. Basic Permissions.

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 Conveying under any other circumstances is permitted solely under
the conditions stated below. Sublicensing is not allowed;
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makes it unnecessary.

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 No covered work shall be deemed part of an effective technological
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 4. Conveying Verbatim Copies.

 You may convey verbatim copies of the Program's source code as you
receive it, in any medium, provided that you conspicuously and
appropriately
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recipients a copy of this License along with the Program.

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

 5. Conveying Modified Source Versions.

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

  a) The work must carry prominent notices stating that you modified
  it, and giving a relevant date.

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

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

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

 A compilation of a covered work with other separate and independent

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

  6. Conveying Non-Source Forms.

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

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

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

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

    d) Convey the object code by offering access from a designated
    place (gratis or for a charge), and offer equivalent access to the
    Corresponding Source in
the same way through the same place at no
    further charge. You need not require recipients to copy the
    Corresponding Source along with the object code. If the place to
    copy the object code is a network server, the Corresponding Source

may be on a different server (operated by you or a third party)
that supports equivalent copying facilities, provided you maintain
clear directions next to the object code saying where to find the
Corresponding Source. Regardless of what server hosts the
Corresponding Source, you remain obligated to ensure that it is
available for as long as needed to satisfy these requirements.

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

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

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

 "Installation Information" for a User Product means any methods,
procedures, authorization
 keys, or other information required to install
and execute modified versions of a covered work in that User Product from
a modified version of its Corresponding Source. The information must
suffice to ensure that the continued functioning of the modified object
code is in no case prevented or interfered with solely because
modification has been made.

 If you convey an object code work under this section in, or with, or
specifically for use in, a User Product, and the conveying occurs as
part of a transaction in which the right of possession and use of the
User Product is transferred to the recipient in perpetuity or for a
fixed term (regardless of how the transaction is characterized), the
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1.37 pam 1.6.0-r0

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1.38 utmps 0.1.2.2-r1

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1.39 distro 1.8.0

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1.40 jaraco.context 5.3.0

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1.48 pygments 2.18.0

1.48.1 Available under license :

---input---
!%$^*__--__._+++===-crazy-symbol

---tokens---
'!%$^*__--__._+++===-crazy-symbol' Name.Variable

'\n'   Text.Whitespace
'# New ports collection makefile for: python25\n' Comment

'# Date created: 3 July 2003\n' Comment

'# Whom: Hye-Shik Chang <perky@FreeBSD.org>\n' Comment

'#\n'   Comment

'# $FreeBSD: ports/lang/python25/Makefile,v 1.145 2007/10/03 23:22:04 edwin Exp $\n' Comment

'\n'   Text.Whitespace

'PORTNAME'   Name.Variable
'='   Operator
'\t'   Text.Whitespace
'python25'   Text
'\n'   Text.Whitespace

'PORTVERSION' Name.Variable
'='   Operator
'\t'   Text.Whitespace

'2'   Literal.Number
'.5.1'   Text
'\n'   Text.Whitespace

'CATEGORIES' Name.Variable
'='   Operator
'\t'   Text.Whitespace
'lang'   Text
' '   Text.Whitespace
'python'   Text
' '   Text.Whitespace
'ipv6'   Text
'\n'   Text.Whitespace

'MASTER_SITES' Name.Variable
'='   Operator
'\t'   Text.Whitespace
'${'   Literal.String.Interpol
'PYTHON_MASTER_SITES' Name.Variable
'}'
             Literal.String.Interpol
'\n'   Text.Whitespace

'MASTER_SITE_SUBDIR' Name.Variable
'='   Operator
'\t'   Text.Whitespace
'${'   Literal.String.Interpol
'PYTHON_MASTER_SITE_SUBDIR' Name.Variable
'}'   Literal.String.Interpol
'\n'   Text.Whitespace

'DISTFILES'   Name.Variable
'='   Operator
'\t'   Text.Whitespace
'${'   Literal.String.Interpol
'PYTHON_DISTFILE' Name.Variable
'}'   Literal.String.Interpol
'\n'   Text.Whitespace

'\n'   Text.Whitespace

'MAINTAINER' Name.Variable
'='   Operator
'\t'   Text.Whitespace
'python@FreeBSD.org' Text
'\n'   Text.Whitespace

'COMMENT'   Name.Variable

'?='   Operator
'\t'   Text.Whitespace
'An'   Text
' '   Text.Whitespace
'interpreted' Text
' '   Text.Whitespace
'object-oriented' Text
' '   Text.Whitespace
'programming' Text
' '   Text.Whitespace
'language'   Text
'\n'
        Text.Whitespace

'\n'   Text.Whitespace

'DIST_SUBDIR' Name.Variable
'='   Operator
'\t'   Text.Whitespace
'python'   Text
'\n'   Text.Whitespace

'WRKSRC'   Name.Variable
'='   Operator
'\t\t'   Text.Whitespace
'${'   Literal.String.Interpol
'PYTHON_WRKSRC' Name.Variable
'}'   Literal.String.Interpol
'/portbld.static' Text
'\n'   Text.Whitespace

'PATCH_WRKSRC' Name.Variable
'='   Operator
'\t'   Text.Whitespace
'${'   Literal.String.Interpol
'PYTHON_WRKSRC' Name.Variable
'}'   Literal.String.Interpol
'\n'   Text.Whitespace

'GNU_CONFIGURE' Name.Variable
'='   Operator
'\t'   Text.Whitespace
'yes'   Text
'\n'   Text.Whitespace

'CONFIGURE_TARGET' Name.Variable
'='   Operator
'\t'   Text.Whitespace

'--build'   Text
'='   Operator
'${'   Literal.String.Interpol
'MACHINE_ARCH' Name.Variable
'}'   Literal.String.Interpol
'-portbld-freebsd'
 Text
'${'   Literal.String.Interpol
'OSREL'   Name.Variable
'}'   Literal.String.Interpol
'\n'   Text.Whitespace

'CONFIGURE_SCRIPT' Name.Variable
'='   Operator
'\t'   Text.Whitespace
'../configure' Text
' '   Text.Whitespace
'# must be relative\n' Comment.Single

'CONFIGURE_ENV' Name.Variable
'='   Operator
'\t'   Text.Whitespace
'OPT'   Name.Variable
'='   Operator
'"'   Literal.String.Double
'${'   Literal.String.Interpol
'CFLAGS'   Name.Variable
'}'   Literal.String.Interpol
'"'   Literal.String.Double
' '   Text.Whitespace
'SVNVERSION' Name.Variable
'='   Operator
'"echo freebsd"' Literal.String.Double
'\n'   Text.Whitespace

'MAKE_ENV'   Name.Variable
'='   Operator
'\t'   Text.Whitespace
'VPATH'   Name.Variable
'='   Operator
'"'   Literal.String.Double
'${'   Literal.String.Interpol
'PYTHON_WRKSRC'
 Name.Variable
'}'   Literal.String.Interpol
'"'   Literal.String.Double
'\n'   Text.Whitespace

'INSTALLS_SHLIB' Name.Variable
'='   Operator
'\t'   Text.Whitespace
'yes'   Text
'\n'   Text.Whitespace

'INSTALL_TARGET' Name.Variable
'='   Operator
'\t'   Text.Whitespace
'altinstall' Text
'\n'   Text.Whitespace

'MAN1'   Name.Variable
'='   Operator
'\t\t'   Text.Whitespace
'${'   Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
'}'   Literal.String.Interpol
'.1'   Text
'\n'   Text.Whitespace

'\n'   Text.Whitespace

'USE_PYTHON' Name.Variable
'='   Operator
'\t'   Text.Whitespace
'yes'   Text
'\n'   Text.Whitespace

'PYTHON_VERSION' Name.Variable
'='   Operator
'\t'   Text.Whitespace
'python2.5' Text
'\n'   Text.Whitespace

'PYTHON_NO_DEPENDS' Name.Variable
'='
          Operator
'\t'   Text.Whitespace
'yes'   Text
'\n'   Text.Whitespace

'\n'   Text.Whitespace

'SHARED_WRKSRC' Name.Variable
'='   Operator
'\t'   Text.Whitespace
'${'   Literal.String.Interpol

'PYTHON_WRKSRC' Name.Variable
'}'   Literal.String.Interpol
'/portbld.shared' Text
'\n'   Text.Whitespace

'PLIST'   Name.Variable
'='   Operator
'\t\t'   Text.Whitespace
'${'   Literal.String.Interpol
'WRKDIR'   Name.Variable
'}'   Literal.String.Interpol
'/PLIST'   Text
'\n'   Text.Whitespace

'PLIST_TEMPLATE' Name.Variable
'?='   Operator
'${'   Literal.String.Interpol
'PKGDIR'   Name.Variable
'}'   Literal.String.Interpol
'/pkg-plist' Text
'\n'   Text.Whitespace

'PLIST_SUB' Name.Variable
'='   Operator
'\t'   Text.Whitespace
'PYVER'   Name.Variable
'='   Operator
'${'   Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
':'
        Punctuation
'S'   Name.Variable
'/python//' Punctuation
'}'   Literal.String.Interpol
' '   Text.Whitespace
'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace
'PYVER_WITHPAT' Name.Variable
'='   Operator
'${'   Literal.String.Interpol
'PORTVERSION' Name.Variable
':'   Punctuation
'S'   Name.Variable
'/.c/c/'   Punctuation
'}'   Literal.String.Interpol
'\n'   Text.Whitespace

'DEMODIR'   Name.Variable
'='   Operator
'\t'   Text.Whitespace
'${'   Literal.String.Interpol
'PREFIX'   Name.Variable
'}'   Literal.String.Interpol
'/share/examples/' Text
'${'   Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
'}'   Literal.String.Interpol
'\n'   Text.Whitespace

'TOOLSDIR'   Name.Variable
'='   Operator
'\t'   Text.Whitespace
'${'   Literal.String.Interpol
'PREFIX'   Name.Variable
'}'
        Literal.String.Interpol
'/share/'   Text
'${'   Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
'}'   Literal.String.Interpol
'\n'   Text.Whitespace

'\n'   Text.Whitespace

'BIN_SCRIPTS' Name.Variable
'='   Operator
'\t'   Text.Whitespace
'idle'   Text
' '   Text.Whitespace
'pydoc'   Text
' '   Text.Whitespace
'python'   Text
' '   Text.Whitespace
'python-shared' Text
' '   Text.Whitespace
'smtpd.py'   Text
' '   Text.Whitespace
'python-config' Text
' '   Text.Whitespace
'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace
'python-shared-config' Text
'\n'   Text.Whitespace

'BINLINKS_SUB' Name.Variable

'='   Operator

'\t'   Text.Whitespace

'-e'   Text

' '   Text.Whitespace

"'s,smtpd,smtpd${PYTHON_VER},'" Literal.String.Single

' '   Text.Whitespace

'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace

'-e'

        Text

' '   Text.Whitespace

"'s,(idle|pydoc|python-shared|python),\\1${PYTHON_VER},'" Literal.String.Single

'\n\n'   Text.Whitespace

'OPTIONS'   Name.Variable

'='   Operator

'\t'   Text.Whitespace

'THREADS'   Text

' '   Text.Whitespace

'"Enable thread support"' Literal.String.Double

' '   Text.Whitespace

'on'   Text

' '   Text.Whitespace

'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace

'HUGE_STACK_SIZE' Text

' '   Text.Whitespace

'"Use a larger thread stack"' Literal.String.Double

' '   Text.Whitespace

'off'   Text

' '   Text.Whitespace

'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace

'UCS4'   Text

' '   Text.Whitespace

'"Use UCS4 for unicode support"' Literal.String.Double

' '   Text.Whitespace

'on'   Text

' '   Text.Whitespace

'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace

'PYMALLOC'

Text

' '   Text.Whitespace

'"Use python\'s internal malloc"' Literal.String.Double

' '   Text.Whitespace

'on'   Text

' '   Text.Whitespace

'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace

'IPV6'   Text

' '   Text.Whitespace

'"Enable IPv6 support"' Literal.String.Double

' '   Text.Whitespace

'on'   Text

' '   Text.Whitespace

'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace

'FPECTL'   Text

' '   Text.Whitespace

'"Enable floating point exception handling"' Literal.String.Double

' '   Text.Whitespace

'off'   Text

'\n\n'   Text.Whitespace

'.include <bsd.port.pre.mk>\n' Comment.Preproc

'\n'   Text.Whitespace

'.if ${PYTHON_VERSION} == ${PYTHON_DEFAULT_VERSION}\n' Comment.Preproc

'MLINKS'   Name.Variable

'='   Operator

'\t\t'   Text.Whitespace

'${'   Literal.String.Interpol

'PYTHON_VERSION' Name.Variable

'}'   Literal.String.Interpol

'.1'
            Text

' '   Text.Whitespace

'python.1' Text

'\n'   Text.Whitespace

'PLIST_SUB' Name.Variable

'+='   Operator

'\t'   Text.Whitespace

'IF_DEFAULT' Name.Variable

'='   Operator

'"""'   Literal.String.Double
'\n'   Text.Whitespace

'.else\n'   Comment.Preproc

'PLIST_SUB' Name.Variable
'+='   Operator
'\t'   Text.Whitespace
'IF_DEFAULT' Name.Variable
'='   Operator
'"@comment "' Literal.String.Double
'\n'   Text.Whitespace

'.endif\n'   Comment.Preproc

'\n'   Text.Whitespace

'# workaround for a bug in base curses.h.\n' Comment

'CFLAGS'   Name.Variable
'+='   Operator
'\t'   Text.Whitespace
'-D__wchar_t' Text
'='   Operator
'wchar_t'   Text
'\n'   Text.Whitespace

'\n'   Text.Whitespace

'.if !defined(WITHOUT_THREADS)\n' Comment.Preproc

'CONFIGURE_ARGS' Name.Variable
'+='   Operator
'\t'   Text.Whitespace
'--with-threads'
 Text
'\n'   Text.Whitespace

'CFLAGS'   Name.Variable
'+='   Operator
'\t\t'   Text.Whitespace
'${'   Literal.String.Interpol
'PTHREAD_CFLAGS' Name.Variable
'}'   Literal.String.Interpol
'\n'   Text.Whitespace

'.if defined(WITHOUT_HUGE_STACK_SIZE)\n' Comment.Preproc

'CFLAGS'   Name.Variable
'+='   Operator
'\t\t'   Text.Whitespace
'-DTHREAD_STACK_SIZE' Text
'='   Operator
'0x20000'   Text
'\n'   Text.Whitespace

'.else\n'   Comment.Preproc

'CFLAGS'   Name.Variable
'+='   Operator
'\t\t'   Text.Whitespace
'-DTHREAD_STACK_SIZE' Text
'='   Operator
'0x100000'   Text
'\n'   Text.Whitespace

'.endif # defined(WITHOUT_HUGE_STACK_SIZE)\n' Comment.Preproc

'CONFIGURE_ENV' Name.Variable
'+='   Operator
'\t\t'   Text.Whitespace
'LDFLAGS'   Name.Variable
'='   Operator
'"'   Literal.String.Double
'${'   Literal.String.Interpol
'PTHREAD_LIBS'
 Name.Variable
'}'   Literal.String.Interpol
' '   Literal.String.Double
'${'   Literal.String.Interpol
'LDFLAGS'   Name.Variable
'}'   Literal.String.Interpol
'"'   Literal.String.Double
'\n'   Text.Whitespace

'.else\n'   Comment.Preproc

'CONFIGURE_ARGS' Name.Variable
'+='   Operator
'\t'   Text.Whitespace
'--without-threads' Text
'\n'   Text.Whitespace

'.if defined(LDFLAGS)\n' Comment.Preproc

'CONFIGURE_ENV' Name.Variable

'+='   Operator
'\t\t'   Text.Whitespace
'LDFLAGS'   Name.Variable
'='   Operator
'"'   Literal.String.Double
'${'   Literal.String.Interpol
'LDFLAGS'   Name.Variable
'}'   Literal.String.Interpol
'"'   Literal.String.Double
'\n'   Text.Whitespace

'.endif # defined(LDFLAGS)\n' Comment.Preproc

'.endif # !defined(WITHOUT_THREADS)\n' Comment.Preproc

'\n'   Text.Whitespace

'.if !defined(WITHOUT_UCS4) && !defined(WITH_UCS2)\n'
 Comment.Preproc

'CONFIGURE_ARGS' Name.Variable
'+='   Operator
'\t'   Text.Whitespace
'--enable-unicode' Text
'='   Operator
'ucs4'   Text
'\n'   Text.Whitespace

'.endif\n'   Comment.Preproc

'\n'   Text.Whitespace

'.if defined(WITHOUT_PYMALLOC)\n' Comment.Preproc

'CONFIGURE_ARGS' Name.Variable
'+='   Operator
'   '   Text.Whitespace
'--without-pymalloc' Text
'\n'   Text.Whitespace

'.endif\n'   Comment.Preproc

'\n'   Text.Whitespace

'.if ${ARCH} == i386\n' Comment.Preproc

'PLIST_SUB' Name.Variable
'+='   Operator

```
'\t'          Text.Whitespace
'X86_ONLY'    Name.Variable
'='           Operator
'""'          Literal.String.Double
'\n'          Text.Whitespace

'.else\n'     Comment.Preproc

'PLIST_SUB'   Name.Variable
'+='          Operator
'\t'          Text.Whitespace
'X86_ONLY'    Name.Variable
'='           Operator
'"@comment "' Literal.String.Double
'\n'          Text.Whitespace

'.endif\n'
    Comment.Preproc

'.if ${ARCH} == amd64 || ${ARCH} == ia64 || ${ARCH} == sparc64 || ${ARCH} == alpha\n' Comment.Preproc

'PLIST_SUB'   Name.Variable
'+='          Operator
'  '          Text.Whitespace
'32BIT_ONLY'  Name.Variable
'='           Operator
'"@comment "' Literal.String.Double
'\n'          Text.Whitespace

'.else\n'     Comment.Preproc

'PLIST_SUB'   Name.Variable
'+='          Operator
'  '          Text.Whitespace
'32BIT_ONLY'  Name.Variable
'='           Operator
'""'          Literal.String.Double
'\n'          Text.Whitespace

'.endif\n'    Comment.Preproc

'.if ${ARCH} == sparc64\n' Comment.Preproc

'CFLAGS'      Name.Variable
'+='          Operator
'   '         Text.Whitespace
'-DPYTHON_DEFAULT_RECURSION_LIMIT' Text
'='           Operator
```

'900'   Literal.Number

'\n'   Text.Whitespace

'.endif\n'   Comment.Preproc

'\n'   Text.Whitespace

'.if !exists(/usr/bin/ypcat) # the world with NO_NIS\n' Comment.Preproc

'PLIST_SUB' Name.Variable
'+='
        Operator
'\t'   Text.Whitespace
'NO_NIS'   Name.Variable
'='   Operator
'"@comment "' Literal.String.Double
'\n'   Text.Whitespace

'.else\n'   Comment.Preproc

'PLIST_SUB' Name.Variable
'+='   Operator
'\t'   Text.Whitespace
'NO_NIS'   Name.Variable
'='   Operator
'""'   Literal.String.Double
'\n'   Text.Whitespace

'.endif\n'   Comment.Preproc

'\n'   Text.Whitespace

'.if !defined(WITHOUT_IPV6)\n' Comment.Preproc

'CONFIGURE_ARGS' Name.Variable
'+='   Operator
' '   Text.Whitespace
'--enable-ipv6' Text
'\n'   Text.Whitespace

'.else\n'   Comment.Preproc

'CONFIGURE_ARGS' Name.Variable
'+='   Operator
' '   Text.Whitespace
'--disable-ipv6' Text
'\n'   Text.Whitespace

'.endif\n'   Comment.Preproc

'\n'   Text.Whitespace

'.if defined(WITH_FPECTL)\n' Comment.Preproc

'CONFIGURE_ARGS' Name.Variable
'+='   Operator
' '   Text.Whitespace
'--with-fpectl'
 Text
'\n'   Text.Whitespace

'.endif\n'   Comment.Preproc

'\n'   Text.Whitespace

'.if ${OSVERSION} >= 700000\n' Comment.Preproc

'PLATFORMS'   Name.Variable
'='   Operator
'plat-freebsd4' Text
' '   Text.Whitespace
'plat-freebsd5' Text
' '   Text.Whitespace
'plat-freebsd6' Text
'\n'   Text.Whitespace

'.elif ${OSVERSION} >= 600000\n' Comment.Preproc

'PLATFORMS'   Name.Variable
'='   Operator
'plat-freebsd4' Text
' '   Text.Whitespace
'plat-freebsd5' Text
' '   Text.Whitespace
'plat-freebsd7' Text
'\n'   Text.Whitespace

'.else\n'   Comment.Preproc

'PLATFORMS'   Name.Variable
'='   Operator
'plat-freebsd4' Text
' '   Text.Whitespace
'plat-freebsd6' Text
' '   Text.Whitespace
'plat-freebsd7' Text

'\n'   Text.Whitespace

'.endif\n'   Comment.Preproc

'\n'   Text.Whitespace

'pre-patch'   Name.Function
':'   Operator
'\n'   Text.Whitespace

'\t'
        Text.Whitespace
'${'   Literal.String.Interpol
'MKDIR'   Name.Variable
'}'   Literal.String.Interpol
' '   Text.Whitespace
'${'   Literal.String.Interpol
'WRKSRC'   Name.Variable
'}'   Literal.String.Interpol
' '   Text.Whitespace
'${'   Literal.String.Interpol
'SHARED_WRKSRC' Name.Variable
'}'   Literal.String.Interpol
'/Modules'   Text
'\n\t'   Text.Whitespace
'${'   Literal.String.Interpol
'SED'   Name.Variable
'}'   Literal.String.Interpol
' '   Text.Whitespace
'-e'   Text
' '   Text.Whitespace
'"1s,^.*$$,#!${PREFIX}/bin/${PYTHON_VERSION},"' Literal.String.Single
' '   Text.Whitespace
'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace
'${'   Literal.String.Interpol
'PATCH_WRKSRC' Name.Variable
'}'   Literal.String.Interpol
'/Tools/scripts/pydoc' Text
' '   Text.Whitespace
'>'   Text
' '
    Text.Whitespace
'${'   Literal.String.Interpol
'WRKDIR'   Name.Variable
'}'   Literal.String.Interpol
'/pydoc2.5'   Text

'\n\t'   Text.Whitespace
'${'   Literal.String.Interpol
'SED'   Name.Variable
'}'   Literal.String.Interpol
' '   Text.Whitespace
'-e'   Text
' '   Text.Whitespace
"'1s,^.*$$,#!${PREFIX}/bin/${PYTHON_VERSION},'" Literal.String.Single
' '   Text.Whitespace
'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace
'${'   Literal.String.Interpol
'PATCH_WRKSRC' Name.Variable
'}'   Literal.String.Interpol
'/Tools/scripts/idle' Text
' '   Text.Whitespace
'>'   Text
' '   Text.Whitespace
'${'   Literal.String.Interpol
'WRKDIR'   Name.Variable
'}'   Literal.String.Interpol
'/idle2.5'   Text
'\n\t'   Text.Whitespace
'${'   Literal.String.Interpol
'SED'   Name.Variable
'}'   Literal.String.Interpol
' '
        Text.Whitespace
'-e'   Text
' '   Text.Whitespace
"'1s,^.*$$,#!${PREFIX}/bin/${PYTHON_VERSION},'" Literal.String.Single
' '   Text.Whitespace
'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace
'${'   Literal.String.Interpol
'PATCH_WRKSRC' Name.Variable
'}'   Literal.String.Interpol
'/Lib/smtpd.py' Text
' '   Text.Whitespace
'>'   Text
' '   Text.Whitespace
'${'   Literal.String.Interpol
'WRKDIR'   Name.Variable
'}'   Literal.String.Interpol
'/smtpd2.5.py' Text
'\n\t'   Text.Whitespace

'${'	Literal.String.Interpol
'REINPLACE_CMD' Name.Variable
'}'	Literal.String.Interpol
' '	Text.Whitespace
'-e'	Text
' '	Text.Whitespace
'\\\n'	Literal.String.Escape

'\t\t'	Text.Whitespace
"'s,/usr/doc/python-docs-,${PREFIX}/share/doc/python,g'" Literal.String.Single
' '	Text.Whitespace
'\\\n'	Literal.String.Escape

'\t\t'
	Text.Whitespace
'${'	Literal.String.Interpol
'PATCH_WRKSRC' Name.Variable
'}'	Literal.String.Interpol
'/Lib/pydoc.py' Text
'\n\t'	Text.Whitespace
'${'	Literal.String.Interpol
'REINPLACE_CMD' Name.Variable
'}'	Literal.String.Interpol
' '	Text.Whitespace
'-e'	Text
' '	Text.Whitespace
'\\\n'	Literal.String.Escape

'\t\t'	Text.Whitespace
'\'s|^\\(*prefixes = .*\\)\\]$$|\\1, "${X11BASE}"]|g\'' Literal.String.Single
' '	Text.Whitespace
'\\\n'	Literal.String.Escape

'\t\t'	Text.Whitespace
'${'	Literal.String.Interpol
'PATCH_WRKSRC' Name.Variable
'}'	Literal.String.Interpol
'/Lib/site.py' Text
'\n\t'	Text.Whitespace
'${'	Literal.String.Interpol
'REINPLACE_CMD' Name.Variable
'}'	Literal.String.Interpol
' '	Text.Whitespace
'-e'	Text
' '	Text.Whitespace
'\\\n'	Literal.String.Escape

'\t\t'

Text.Whitespace
"'s|^\t\\(..ASDLGEN.*\\)$$|\t${TRUE}|g'" Literal.String.Single
' '   Text.Whitespace
'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace
'${'   Literal.String.Interpol
'PATCH_WRKSRC' Name.Variable
'}'   Literal.String.Interpol
'/Makefile.pre.in' Text
'\n\n\t'   Text.Whitespace
'${'   Literal.String.Interpol
'REINPLACE_CMD' Name.Variable
'}'   Literal.String.Interpol
' '   Text.Whitespace
'-e'   Text
' '   Text.Whitespace
'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace
"'s|*\\(..INSTALL_SCRIPT.*\\)python-config$$|#port \\1|'" Literal.String.Single
' '   Text.Whitespace
'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace
'${'   Literal.String.Interpol
'PATCH_WRKSRC' Name.Variable
'}'   Literal.String.Interpol
'/Makefile.pre.in' Text
'\n\n\t'   Text.Whitespace
'${'   Literal.String.Interpol
'SED'   Name.Variable
'}'
   Literal.String.Interpol
' '   Text.Whitespace
'-e'   Text
' '   Text.Whitespace
"'s|^#!.*|#!${PREFIX}/bin/${PYTHON_VERSION}|'" Literal.String.Single
' '   Text.Whitespace
'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace
'${'   Literal.String.Interpol
'PATCH_WRKSRC' Name.Variable
'}'   Literal.String.Interpol
'/Misc/python-config.in' Text
' '   Text.Whitespace
'>'   Text

```
' '         Text.Whitespace
'${'        Literal.String.Interpol
'WRKDIR'    Name.Variable
'}'         Literal.String.Interpol
'/'         Text
'${'        Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
'}'         Literal.String.Interpol
'-config'   Text
'\n\t'      Text.Whitespace
'${'        Literal.String.Interpol
'SED'       Name.Variable
'}'         Literal.String.Interpol
' '         Text.Whitespace
'-e'        Text
' '         Text.Whitespace
"'s|^#!.*|#!${PREFIX}/bin/${PYTHON_VERSION:S/thon/thon-shared/}|'"
            Literal.String.Single
' '         Text.Whitespace
'\\\n'      Literal.String.Escape

'\t\t'      Text.Whitespace
'${'        Literal.String.Interpol
'PATCH_WRKSRC' Name.Variable
'}'         Literal.String.Interpol
'/Misc/python-config.in' Text
' '         Text.Whitespace
'>'         Text
' '         Text.Whitespace
'${'        Literal.String.Interpol
'WRKDIR'    Name.Variable
'}'         Literal.String.Interpol
'/'         Text
'${'        Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
':'         Punctuation
'S'         Name.Variable
'/thon/thon-shared/' Punctuation
'}'         Literal.String.Interpol
'-config'   Text
'\n\n'      Text.Whitespace

'.if defined(WITH_FPECTL) && ${ARCH} == i386\n' Comment.Preproc

'\t'        Text.Whitespace
'${'        Literal.String.Interpol
'MKDIR'     Name.Variable
'}'         Literal.String.Interpol
```

' '   Text.Whitespace
'${'   Literal.String.Interpol
'WRKSRC'   Name.Variable
'}'
          Literal.String.Interpol
'/Modules' Text
'\n\t'   Text.Whitespace
'${'   Literal.String.Interpol
'ECHO'   Name.Variable
'}'   Literal.String.Interpol
' '   Text.Whitespace
'"fpectl fpectlmodule.c"' Literal.String.Double
' '   Text.Whitespace
'>>'   Text
' '   Text.Whitespace
'${'   Literal.String.Interpol
'WRKSRC'   Name.Variable
'}'   Literal.String.Interpol
'/Modules/Setup.dist' Text
'\n'   Text.Whitespace

'.endif\n' Comment.Preproc

'\n'   Text.Whitespace

'post-configure' Name.Function
':'   Operator
'\n'   Text.Whitespace

'\t'   Text.Whitespace
'${'   Literal.String.Interpol
'TAR'   Name.Variable
'}'   Literal.String.Interpol
' '   Text.Whitespace
'-C'   Text
' '   Text.Whitespace
'${'   Literal.String.Interpol
'WRKSRC'   Name.Variable
'}'   Literal.String.Interpol
' '   Text.Whitespace
'-cf'
      Text
' '   Text.Whitespace
'-'   Text
' '   Text.Whitespace
'.'   Text
' '   Text.Whitespace
'|'   Punctuation

' '	Text.Whitespace
'${'	Literal.String.Interpol
'TAR'	Name.Variable
'}'	Literal.String.Interpol
' '	Text.Whitespace
'-C'	Text
' '	Text.Whitespace
'${'	Literal.String.Interpol
'SHARED_WRKSRC'	Name.Variable
'}'	Literal.String.Interpol
' '	Text.Whitespace
'-xf'	Text
' '	Text.Whitespace
'-'	Text
'\n\t'	Text.Whitespace
'${'	Literal.String.Interpol
'LN'	Name.Variable
'}'	Literal.String.Interpol
' '	Text.Whitespace
'-sf'	Text
' '	Text.Whitespace
'${'	Literal.String.Interpol
'PYTHON_WRKSRC'	Name.Variable
'}'	Literal.String.Interpol
'/Lib'	Text
' '	Text.Whitespace
'${'	Literal.String.Interpol
'WRKSRC'	
	Name.Variable
'}'	Literal.String.Interpol
'/Lib'	Text
'\n\t'	Text.Whitespace
'${'	Literal.String.Interpol
'SED'	Name.Variable
'}'	Literal.String.Interpol
' '	Text.Whitespace
'-e'	Text
' '	Text.Whitespace
"'s,^\\(LDLIBRARY=\\).*$$,\\1libpython$$(VERSION).so,'"	Literal.String.Single
' '	Text.Whitespace
'\\\n'	Literal.String.Escape
'\t\t'	Text.Whitespace
'-e'	Text
' '	Text.Whitespace
"'s,^\\(BLDLIBRARY=\\).*$$,\\1-L. -lpython$$(VERSION),'"	Literal.String.Single
' '	Text.Whitespace
'\\\n'	Literal.String.Escape

'\t\t'   Text.Whitespace
'-e'   Text
' '   Text.Whitespace
"'s,^\\(CFLAGSFORSHARED=\\).*$$,\\1$$(CCSHARED),'" Literal.String.Single
' '   Text.Whitespace
'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace
'-e'   Text
' '   Text.Whitespace
"'s,^\\(Makefile Modules/config.c:.*\\)Makefile.pre,\\1,'"
 Literal.String.Single
' '   Text.Whitespace
'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace
'-e'   Text
' '   Text.Whitespace
"'s,^\\(.(BUILDPYTHON)\\: .*\\).(LIBRARY),\\1,'" Literal.String.Single
' '   Text.Whitespace
'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace
'-e'   Text
' '   Text.Whitespace
"'s,^\\(.(BUILDPYTHON):.*\\).(LIBRARY),\\1,'" Literal.String.Single
' '   Text.Whitespace
'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace
'${'   Literal.String.Interpol
'WRKSRC'   Name.Variable
'}'   Literal.String.Interpol
'/Makefile' Text
' '   Text.Whitespace
'>'   Text
' '   Text.Whitespace
'${'   Literal.String.Interpol
'SHARED_WRKSRC' Name.Variable
'}'   Literal.String.Interpol
'/Makefile' Text
'\n\n'   Text.Whitespace

'pre-build' Name.Function
':'   Operator
'\n'

Text.Whitespace

'\t'   Text.Whitespace
'cd'   Name.Builtin
' '   Text.Whitespace
'${'   Literal.String.Interpol
'SHARED_WRKSRC' Name.Variable
'}'   Literal.String.Interpol
';'   Punctuation
' '   Text.Whitespace
'\\\n'   Literal.String.Escape

'\t'   Text.Whitespace
'${'   Literal.String.Interpol
'SETENV'   Name.Variable
'}'   Literal.String.Interpol
' '   Text.Whitespace
'${'   Literal.String.Interpol
'MAKE_ENV' Name.Variable
'}'   Literal.String.Interpol
' '   Text.Whitespace
'${'   Literal.String.Interpol
'MAKE'   Name.Variable
'}'   Literal.String.Interpol
' '   Text.Whitespace
'lib'   Text
'${'   Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
'}'   Literal.String.Interpol
'.so'   Text
' '   Text.Whitespace
'python'   Text
';'   Punctuation
' '   Text.Whitespace
'\\\n'
          Literal.String.Escape

'\t'   Text.Whitespace
'${'   Literal.String.Interpol
'LN'   Name.Variable
'}'   Literal.String.Interpol
' '   Text.Whitespace
'-f'   Text
' '   Text.Whitespace
'lib'   Text
'${'   Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
'}'   Literal.String.Interpol

```
'.so'        Text
' '          Text.Whitespace
'lib'        Text
'${'         Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
'}'          Literal.String.Interpol
'.so.1'      Text
';'          Punctuation
' '          Text.Whitespace
'\\\n'       Literal.String.Escape

'\t'         Text.Whitespace
'${'         Literal.String.Interpol
'LN'         Name.Variable
'}'          Literal.String.Interpol
' '          Text.Whitespace
'-f'         Text
' '          Text.Whitespace
'python'     Text
' '          Text.Whitespace
'${'         Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
':'
 Punctuation
'S'          Name.Variable
'/thon/thon-shared/' Punctuation
'}'          Literal.String.Interpol
'\n\n'       Text.Whitespace

'pre-su-install' Name.Function
':'          Operator
'\n'         Text.Whitespace

'.for platform in ${PLATFORMS}\n' Comment.Preproc

'\t'         Text.Whitespace
'${'         Literal.String.Interpol
'MKDIR'      Name.Variable
'}'          Literal.String.Interpol
' '          Text.Whitespace
'${'         Literal.String.Interpol
'PYTHONPREFIX_LIBDIR' Name.Variable
'}'          Literal.String.Interpol
'/'          Text
'${'         Literal.String.Interpol
'platform'   Name.Variable
'}'          Literal.String.Interpol
'\n'         Text.Whitespace
```

'.for file in IN.py regen\n' Comment.Preproc

'\t'   Text.Whitespace
'${'   Literal.String.Interpol
'INSTALL_DATA' Name.Variable
'}'   Literal.String.Interpol
' '   Text.Whitespace
'${'   Literal.String.Interpol
'WRKSRC'   Name.Variable
'}'
 Literal.String.Interpol
'/Lib/'   Text
'${'   Literal.String.Interpol
'platform' Name.Variable
'}'   Literal.String.Interpol
'/'   Text
'${'   Literal.String.Interpol
'file'   Name.Variable
'}'   Literal.String.Interpol
' '   Text.Whitespace
'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace
'${'   Literal.String.Interpol
'PYTHONPREFIX_LIBDIR' Name.Variable
'}'   Literal.String.Interpol
'/'   Text
'${'   Literal.String.Interpol
'platform' Name.Variable
'}'   Literal.String.Interpol
'/'   Text
'\n'   Text.Whitespace

'.endfor\n' Comment.Preproc

'.endfor\n' Comment.Preproc

'\n'   Text.Whitespace

'pre-install' Name.Function
':'   Operator
'\n'   Text.Whitespace

'\t'   Text.Whitespace
'${'   Literal.String.Interpol
'CAT'   Name.Variable
'}'   Literal.String.Interpol

' '   Text.Whitespace

'${'
         Literal.String.Interpol

'PLIST_TEMPLATE' Name.Variable

'}'   Literal.String.Interpol

' '   Text.Whitespace

'|'   Punctuation

' '   Text.Whitespace

'${'   Literal.String.Interpol

'AWK'   Name.Variable

'}'   Literal.String.Interpol

' '   Text.Whitespace

'\'{ print $$0; } \\\n\t/LIBDIR.*\\.py$$/ && !/\/bad/ { print $$0 "o"; print $$0 "c"; }\"' Literal.String.Single

'\t'   Text.Whitespace

'>'   Text

' '   Text.Whitespace

'${'   Literal.String.Interpol

'PLIST'   Name.Variable

'}'   Literal.String.Interpol

'\n\n'   Text.Whitespace

'"\t@# if openssl 0.9.8 is detected, _sha{256,512} module won't be installed\n"' Comment

'\t'   Text.Whitespace

'('   Operator

'['   Operator

' '   Text.Whitespace

'-f'   Text

' '   Text.Whitespace

'${'   Literal.String.Interpol

'WRKSRC'   Name.Variable

'}'   Literal.String.Interpol

'/.without_own_sha'

 Text

' '   Text.Whitespace

']'   Operator

' '   Text.Whitespace

'&&'   Operator

' '   Text.Whitespace

'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace

'${'   Literal.String.Interpol

'GREP'   Name.Variable

'}'   Literal.String.Interpol

' '   Text.Whitespace

'-v'   Text

' '   Text.Whitespace

'"lib-dynload/_sha"' Literal.String.Single
' '   Text.Whitespace
'${'   Literal.String.Interpol
'PLIST'   Name.Variable
'}'   Literal.String.Interpol
' '   Text.Whitespace
'>'   Text
' '   Text.Whitespace
'${'   Literal.String.Interpol
'PLIST'   Name.Variable
'}'   Literal.String.Interpol
'.tmp'   Text
' '   Text.Whitespace
'&&'   Operator
' '   Text.Whitespace
'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace
'${'   Literal.String.Interpol
'CAT'   Name.Variable
'}'
            Literal.String.Interpol
' '   Text.Whitespace
'${'   Literal.String.Interpol
'PLIST'   Name.Variable
'}'   Literal.String.Interpol
'.tmp'   Text
' '   Text.Whitespace
'>'   Text
' '   Text.Whitespace
'${'   Literal.String.Interpol
'PLIST'   Name.Variable
'}'   Literal.String.Interpol
')'   Operator
' '   Text.Whitespace
'||'   Operator
' '   Text.Whitespace
'${'   Literal.String.Interpol
'TRUE'   Name.Variable
'}'   Literal.String.Interpol
'\n\n'   Text.Whitespace

'post-install' Name.Function
':'   Operator
'\n'   Text.Whitespace

'\t@# install config providers\n' Comment

'\t'   Text.Whitespace
'${'   Literal.String.Interpol
'INSTALL_SCRIPT' Name.Variable
'}'   Literal.String.Interpol
' '   Text.Whitespace
'${'   Literal.String.Interpol
'WRKDIR'   Name.Variable
'}'   Literal.String.Interpol
'/'
          Text
'${'   Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
'}'   Literal.String.Interpol
'-config'   Text
' '   Text.Whitespace
'${'   Literal.String.Interpol
'PREFIX'   Name.Variable
'}'   Literal.String.Interpol
'/bin'   Text
'\n\t'   Text.Whitespace
'${'   Literal.String.Interpol
'INSTALL_SCRIPT' Name.Variable
'}'   Literal.String.Interpol
' '   Text.Whitespace
'${'   Literal.String.Interpol
'WRKDIR'   Name.Variable
'}'   Literal.String.Interpol
'/'   Text
'${'   Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
':'   Punctuation
'S'   Name.Variable
'/thon/thon-shared/' Punctuation
'}'   Literal.String.Interpol
'-config'   Text
' '   Text.Whitespace
'${'   Literal.String.Interpol
'PREFIX'   Name.Variable
'}'   Literal.String.Interpol
'/bin'   Text
'\n\n'   Text.Whitespace

'\t@#
 shared version of executable and library\n' Comment

'\t'   Text.Whitespace
'${'   Literal.String.Interpol
'INSTALL_PROGRAM' Name.Variable

'}'   Literal.String.Interpol
' '   Text.Whitespace
'${'   Literal.String.Interpol
'SHARED_WRKSRC' Name.Variable
'}'   Literal.String.Interpol
'/lib'   Text
'${'   Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
'}'   Literal.String.Interpol
'.so.1'   Text
' '   Text.Whitespace
'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace
'${'   Literal.String.Interpol
'PREFIX'   Name.Variable
'}'   Literal.String.Interpol
'/lib'   Text
'\n\t'   Text.Whitespace
'cd'   Name.Builtin
' '   Text.Whitespace
'${'   Literal.String.Interpol
'PREFIX'   Name.Variable
'}'   Literal.String.Interpol
'/lib'   Text
';'   Punctuation
' '   Text.Whitespace
'${'   Literal.String.Interpol
'LN'
        Name.Variable
'}'   Literal.String.Interpol
' '   Text.Whitespace
'-sf'   Text
' '   Text.Whitespace
'lib'   Text
'${'   Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
'}'   Literal.String.Interpol
'.so.1'   Text
' '   Text.Whitespace
'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace
'lib'   Text
'${'   Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
'}'   Literal.String.Interpol
'.so'   Text

'\n\t'   Text.Whitespace
'${'   Literal.String.Interpol
'LN'   Name.Variable
'}'   Literal.String.Interpol
' '   Text.Whitespace
'-sf'   Text
' '   Text.Whitespace
'${'   Literal.String.Interpol
'PREFIX'   Name.Variable
'}'   Literal.String.Interpol
'/lib/lib' Text
'${'   Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
'}'   Literal.String.Interpol
'.so'   Text
' '
    Text.Whitespace
'${'   Literal.String.Interpol
'PYTHONPREFIX_LIBDIR' Name.Variable
'}'   Literal.String.Interpol
'/config'   Text
'\n\t'   Text.Whitespace
'${'   Literal.String.Interpol
'INSTALL_PROGRAM' Name.Variable
'}'   Literal.String.Interpol
' '   Text.Whitespace
'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace
'${'   Literal.String.Interpol
'SHARED_WRKSRC' Name.Variable
'}'   Literal.String.Interpol
'/'   Text
'${'   Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
':'   Punctuation
'S'   Name.Variable
'/thon/thon-shared/' Punctuation
'}'   Literal.String.Interpol
' '   Text.Whitespace
'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace
'${'   Literal.String.Interpol
'PREFIX'   Name.Variable
'}'   Literal.String.Interpol
'/bin'   Text
'\n\n'   Text.Whitespace

'\t@# additional files installing by ports\n'
 Comment

'\t'   Text.Whitespace
'${'   Literal.String.Interpol
'INSTALL_SCRIPT' Name.Variable
'}'   Literal.String.Interpol
' '   Text.Whitespace
'${'   Literal.String.Interpol
'WRKDIR'   Name.Variable
'}'   Literal.String.Interpol
'/pydoc2.5' Text
' '   Text.Whitespace
'${'   Literal.String.Interpol
'WRKDIR'   Name.Variable
'}'   Literal.String.Interpol
'/idle2.5'   Text
' '   Text.Whitespace
'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace
'${'   Literal.String.Interpol
'WRKDIR'   Name.Variable
'}'   Literal.String.Interpol
'/smtpd2.5.py' Text
' '   Text.Whitespace
'${'   Literal.String.Interpol
'PREFIX'   Name.Variable
'}'   Literal.String.Interpol
'/bin'   Text
'\n\t'   Text.Whitespace
'@'   Text
'${'   Literal.String.Interpol
'MKDIR'   Name.Variable
'}'   Literal.String.Interpol
' '   Text.Whitespace
'${'
        Literal.String.Interpol
'MANPREFIX'   Name.Variable
'}'   Literal.String.Interpol
'/man/man1' Text
'\n\t'   Text.Whitespace
'${'   Literal.String.Interpol
'INSTALL_MAN' Name.Variable
'}'   Literal.String.Interpol
' '   Text.Whitespace
'${'   Literal.String.Interpol

'PYTHON_WRKSRC' Name.Variable
'}'   Literal.String.Interpol
'/Misc/python.man' Text
' '   Text.Whitespace
'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace
'${'   Literal.String.Interpol
'MANPREFIX'   Name.Variable
'}'   Literal.String.Interpol
'/man/man1/' Text
'${'   Literal.String.Interpol
'PYTHON_VERSION' Name.Variable
'}'   Literal.String.Interpol
'.1'   Text
'\n\n'   Text.Whitespace

'.if ${PYTHON_VERSION} == ${PYTHON_DEFAULT_VERSION}\n' Comment.Preproc

'\t'   Text.Whitespace
'for'   Keyword
' '   Text.Whitespace
'f'   Text
' '   Text.Whitespace
'in'
      Keyword
' '   Text.Whitespace
'${'   Literal.String.Interpol
'BIN_SCRIPTS' Name.Variable
'}'   Literal.String.Interpol
';'   Punctuation
' '   Text.Whitespace
'do'   Keyword
' '   Text.Whitespace
'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace
'TARGET'   Name.Variable
'='   Operator
'`'   Literal.String.Backtick
'${'   Literal.String.Interpol
'ECHO_CMD'   Name.Variable
'}'   Literal.String.Interpol
' '   Text.Whitespace
'$$'   Name.Variable
'f'   Text
' '   Text.Whitespace
'|'   Punctuation

```
' '         Text.Whitespace
'${'        Literal.String.Interpol
'SED'       Name.Variable
'}'         Literal.String.Interpol
' '         Text.Whitespace
'-E'        Text
' '         Text.Whitespace
'${'        Literal.String.Interpol
'BINLINKS_SUB' Name.Variable
'}'         Literal.String.Interpol
'`'         Literal.String.Backtick
';'
            Punctuation
' '         Text.Whitespace
'\\\n'      Literal.String.Escape

'\t\t'      Text.Whitespace
'cd'        Name.Builtin
' '         Text.Whitespace
'${'        Literal.String.Interpol
'PREFIX'    Name.Variable
'}'         Literal.String.Interpol
'/bin'      Text
' '         Text.Whitespace
'&&'        Operator
' '         Text.Whitespace
'${'        Literal.String.Interpol
'LN'        Name.Variable
'}'         Literal.String.Interpol
' '         Text.Whitespace
'-f'        Text
' '         Text.Whitespace
'$$'        Name.Variable
'TARGET'    Text
' '         Text.Whitespace
'$$'        Name.Variable
'f'         Text
';'         Punctuation
' '         Text.Whitespace
'\\\n'      Literal.String.Escape

'\t'        Text.Whitespace
'done'      Keyword
'\n'        Text.Whitespace

'.endif\n'  Comment.Preproc

'\n'        Text.Whitespace
```

'.if !defined(NOPORTDOCS)\n' Comment.Preproc

'\t'
        Text.Whitespace
'@'   Text
'${'   Literal.String.Interpol
'MKDIR'   Name.Variable
'}'   Literal.String.Interpol
' '   Text.Whitespace
'${'   Literal.String.Interpol
'TOOLSDIR'   Name.Variable
'}'   Literal.String.Interpol
'\n\t'   Text.Whitespace
'@cd'   Text
' '   Text.Whitespace
'${'   Literal.String.Interpol
'PYTHON_WRKSRC' Name.Variable
'}'   Literal.String.Interpol
';'   Punctuation
' '   Text.Whitespace
'${'   Literal.String.Interpol
'TAR'   Name.Variable
'}'   Literal.String.Interpol
' '   Text.Whitespace
'-cf'   Text
' '   Text.Whitespace
'-'   Text
' '   Text.Whitespace
'Tools'   Text
' '   Text.Whitespace
'|'   Punctuation
' '   Text.Whitespace
'\\\n'   Literal.String.Escape

'\t\t'   Text.Whitespace
'('   Operator
'cd'   Name.Builtin
' '   Text.Whitespace
'${'
        Literal.String.Interpol
'TOOLSDIR'   Name.Variable
'}'   Literal.String.Interpol
';'   Punctuation
' '   Text.Whitespace
'${'   Literal.String.Interpol
'TAR'   Name.Variable
'}'   Literal.String.Interpol

' '	Text.Whitespace
'-xf'	Text
' '	Text.Whitespace
'-'	Text
')'	Operator
'\n\t'	Text.Whitespace
'@'	Text
'${'	Literal.String.Interpol
'MKDIR'	Name.Variable
'}'	Literal.String.Interpol
' '	Text.Whitespace
'${'	Literal.String.Interpol
'DEMODIR'	Name.Variable
'}'	Literal.String.Interpol
'\n\t'	Text.Whitespace
'@cd'	Text
' '	Text.Whitespace
'${'	Literal.String.Interpol
'PYTHON_WRKSRC'	Name.Variable
'}'	Literal.String.Interpol
'/Demo'	Text
';'	Punctuation
' '	Text.Whitespace
'${'	Literal.String.Interpol
'TAR'	Name.Variable
'}'	
	Literal.String.Interpol
' '	Text.Whitespace
'-cf'	Text
' '	Text.Whitespace
'-'	Text
' '	Text.Whitespace
'*'	Text
' '	Text.Whitespace
'|'	Punctuation
' '	Text.Whitespace
'\\\n'	Literal.String.Escape
'\t\t'	Text.Whitespace
'('	Operator
'cd'	Name.Builtin
' '	Text.Whitespace
'${'	Literal.String.Interpol
'DEMODIR'	Name.Variable
'}'	Literal.String.Interpol
';'	Punctuation
' '	Text.Whitespace
'${'	Literal.String.Interpol

'TAR'   Name.Variable
'}'   Literal.String.Interpol
' '   Text.Whitespace
'-xf'   Text
' '   Text.Whitespace
'-'   Text
')'   Operator
'\n'   Text.Whitespace

'.endif\n'   Comment.Preproc

'\n\t'   Text.Whitespace
'@'   Text
'${'   Literal.String.Interpol
'CAT'   Name.Variable
'}'
    Literal.String.Interpol
' '   Text.Whitespace
'${'   Literal.String.Interpol
'PKGMESSAGE' Name.Variable
'}'   Literal.String.Interpol
'\n\n'   Text.Whitespace

'.include <bsd.port.post.mk>\n' Comment.Preproc
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1.49 alpine-baselayout 3.6.5-r0

1.49.1 Available under license :

```
# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>
# Maintainer: Kevin Daudt <kdaudt@alpinelinux.org>
pkgname=spdx-licenses
pkgver=3.22
pkgrel=1
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check" # no test suite
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
 subpackages="$subpackages $pkgname-$type:_subpkg"
done

package() {
 mkdir -p "$pkgdir"
}

_subpkg() {
 local type=${subpkgname/$pkgname-/}
 pkgdesc="$pkgdesc ($type)"
 install_if="$pkgname=$pkgver-r$pkgrel"
 mkdir -p "$subpkgdir"/usr/share/spdx
 cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}

list() {
 pkgdesc="$pkgdesc (licence list)"
 mkdir -p "$subpkgdir"/usr/share/spdx
 local i; for i in "$builddir"/text/*.txt; do
  local
 license=${i##*/}
  echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
 done
 }
```

```
sha512sums="
b213fe66699770d75a4c994a01a5c08325751423516c2fb871088a47e7e7ce605736064f5ce3a63dc1d3c462271832db
7bc464ac968df1888f9823787964c786  license-list-data-3.22.tar.gz
"
# Contributor: Maxim Karasev <begs@disroot.org>
# Maintainer: mio <miyopan@e.email>
pkgname=bsd-games
pkgver=3.3
pkgrel=1
pkgdesc="traditional text mode games from BSD"
url="https://bsd-games.sourceforge.io/"
arch="all"
license="BSD-3-Clause"
install="$pkgname.post-install"
makedepends="ncurses-dev coreutils" # configure causes busybox expr error
subpackages="$pkgname-doc"
source="https://sourceforge.net/projects/bsd-games/files/bsd-games-$pkgver.tar.gz"
options="!check" # no tests

build() {
 # some GNU autoconf options are ignored, but it works
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr \
  --sysconfdir=/etc \
  --mandir=/usr/share/man \
  --localstatedir=/var/lib # it really shouldn't be in /var
 make
}

package() {
 make DESTDIR="$pkgdir" install
 install -Dm644 LICENSE "$pkgdir"/usr/share/licenses/bsd-games/LICENSE
}

sha512sums="
aaf36d09d4fe68514a5c279063d7e77a9a9a84c447037cba974b29faa07eb80c2aab2379d0699c196b5c27ffe1b2bb2c6
8d3390143e0e62d5e3d210ccfb61294
  bsd-games-3.3.tar.gz
"
# Contributor: Dhruvin Gandhi <contact@dhruvin.dev>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=py3-license-expression
_pkgname=license-expression
pkgver=30.3.0
pkgrel=1
```

```
pkgdesc="Library to parse, compare, simplify and normalize license expressions"
url="https://github.com/nexB/license-expression"
arch="noarch"
license="Apache-2.0"
depends="python3 py3-boolean.py"
makedepends="py3-setuptools py3-setuptools_scm py3-gpep517 py3-wheel"
checkdepends="py3-pytest py3-pytest-xdist"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/l/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir/$_pkgname-$pkgver"

build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

check() {
 python3 -m venv --clear --without-pip --system-site-packages .testenv
 .testenv/bin/python3 -m installer .dist/*.whl
 .testenv/bin/python3 -m pytest
}

package() {
 python3 -m installer -d "$pkgdir" \
  .dist/*.whl
}

sha512sums="
3fe4ac8830085fe38d8ee713a332047941b2a7a8ff5f31810b124c5903335a8343a222926aefe000da66a49b4d6f8b934
af3cc350448b075a4ec6aa1fdb51aef
  license-expression-30.3.0.tar.gz
"
```

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```
# Automatically generated by apkbuild-cpan, template 4
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Celeste <cielesti@protonmail.com>
pkgname=perl-bsd-resource
pkgver=1.2911
pkgrel=9
#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan
_pkgreal=BSD-Resource
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"
arch="all"
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
builddir="$srcdir/$_pkgreal-$pkgver"

build() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL \
  INSTALLDIRS=vendor \
  NO_PACKLIST=1 \
  NO_PERLLOCAL=1
 make
}

check() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 make test
}

package() {
 make DESTDIR="$pkgdir" install
}

sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b
8065ba65f4fea16dc9262728b3b6b85
  BSD-Resource-1.2911.tar.gz
"
```

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http://www.geocities.com/SiliconValley/Campus/8645/index.html
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```
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=8
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check"  # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
 "

builddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
 update_config_sub
 default_prepare
}

build() {
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr
 make
}

package() {
 make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020  libart_lgpl-2.3.21.tar.bz2"
# Automatically generated by apkbuild-cpan, template 3
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Celeste <cielesti@protonmail.com>
pkgname=perl-bsd-resource
#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan
_pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=9
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"
arch="all"
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
makedepends="perl-dev"
```

```
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
builddir="$srcdir/$_pkgreal-$pkgver"

build() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL INSTALLDIRS=vendor
 make
}

check() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 make test
}

package() {
 make DESTDIR="$pkgdir" install
 find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b
8065ba65f4fea16dc9262728b3b6b85
  BSD-Resource-1.2911.tar.gz
"
# Contributor: Patrycja Rosa <alpine@ptrcnull.me>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=bsd-compat-headers
pkgver=0.7.2
pkgrel=6
pkgdesc="BSD compatibility headers (cdefs, queue, tree)"
url="https://gitlab.alpinelinux.org/alpine/aports"
arch="noarch"
license="BSD-2-Clause AND BSD-3-Clause"
source="
 cdefs.h
 queue.h
 tree.h
"
builddir="$srcdir"
options="!check" # just headers

package() {
 mkdir -p "$pkgdir"
 install -Dm644 -t "$pkgdir"/usr/include/sys \
  cdefs.h queue.h tree.h
}
sha512sums="
```

37c8fc73c7aea7b490f7850927e2bb91d12137c9e59e22c084146d515696dbc7973b5de92f4c987ba080dd2502ba8312
7006442c3f019b6447a620c0cae73178 cdefs.h
2f0d5e6e4dc3350285cf17009265dddcbe12431c111868eea39bc8cb038ab7c1f2acacbb21735c4e9d4a1fd106a8fc0f86
11ea33987d4faba37dde5ce6da0750 queue.h
d9ac210d81feb8ad2655bc80fb065d3fe20ae4417b32b4a1711e6738a4870140005c13373b5d1846ef3ce5ae6da45f2da
cef2092881eded0a2e94f6a07752ef3 tree.h
"

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The X-Spline code was written Carole Blanc (blanc@labri.u-bordeaux.fr) and Christophe Schlick (schlick@labri.u-
bordeaux.fr) starting from an initial implementation done by C. Feuille, S. Grosbois, L. Maziere and L. Minihot as a
student practice (Universite Bordeaux, France). For additional information about X-splines, see:
"X-Splines: A Spline Model Designed for the End User" by C. Blanc and C. Schlick, Proceedings of SIGGRAPH'95
http://dept-info.labri.u-bordeaux.fr/~schlick/DOC/sig1.html
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.4
pkgrel=3
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"

```
makedepends="py3-gpep517 py3-wheel"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

replaces="py-flake8-copyright"          # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

package() {
 gpep517 install-wheel --destdir "$pkgdir" \
  .dist/*.whl
}

sha512sums="
a6ab47e1bb715618f075c51f398e18180404871b3b0faf1c2d30701d5203db6bc23771bf22ffb5bafcd8ee856b9b64237
b316bd503ae7dceed6ca284ccd5a74d
  flake8-copyright-0.2.4.tar.gz
"
# Maintainer: fossdd <fossdd@pwned.life>
pkgname=cargo-license
pkgver=0.6.1
pkgrel=1
pkgdesc="Cargo subcommand to see license of dependencies"
url="https://github.com/onur/cargo-license"
arch="all"
license="MIT"
makedepends="cargo cargo-auditable"
source="$pkgname-$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/$pkgver/download"

prepare() {
 default_prepare

 cargo fetch --target="$CTARGET" --locked
}

build() {
 cargo auditable build --release --frozen
}

check() {
 cargo test --frozen
}
```

```
package() {
 install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin
}

sha512sums="
36215145e79965be090ae2f5ce6f5eb208465eb67a94c26bed1fe70a131c46c6dc35695e30852759b7366883fbc3caf00
272d796ac634f0a5e1d49232b6b29d5  cargo-license-0.6.1.tar.gz
"
```

1.50 futures 3.4.0

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----

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1.51 py3-parsing 3.1.2-r1
1.51.1 Available under license :

```
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# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=bsd-compat-headers
pkgver=0.7.2
pkgrel=6
pkgdesc="BSD compatibility headers (cdefs, queue, tree)"
url="https://gitlab.alpinelinux.org/alpine/aports"
arch="noarch"
license="BSD-2-Clause AND BSD-3-Clause"
source="
 cdefs.h
 queue.h
 tree.h
"
builddir="$srcdir"
options="!check" # just headers

package() {
 mkdir -p "$pkgdir"
 install -Dm644 -t "$pkgdir"/usr/include/sys \
  cdefs.h queue.h tree.h
}
sha512sums="
37c8fc73c7aea7b490f7850927e2bb91d12137c9e59e22c084146d515696dbc7973b5de92f4c987ba080dd2502ba8312
7006442c3f019b6447a620c0cae73178  cdefs.h
2f0d5e6e4dc3350285cf17009265dddcbe12431c111868eea39bc8cb038ab7c1f2acacbb21735c4e9d4a1fd106a8fc0f86
11ea33987d4faba37dde5ce6da0750  queue.h
```

d9ac210d81feb8ad2655bc80fb065d3fe20ae4417b32b4a1711e6738a4870140005c13373b5d1846ef3ce5ae6da45f2da
cef2092881eded0a2e94f6a07752ef3 tree.h
"
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"X-Splines: A Spline Model Designed for the End User" by C. Blanc and C. Schlick, Proceedings of SIGGRAPH'95
http://dept-info.labri.u-bordeaux.fr/~schlick/DOC/sig1.html
# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>
# Maintainer: Kevin Daudt <kdaudt@alpinelinux.org>
pkgname=spdx-licenses
pkgver=3.22
pkgrel=1
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check" # no test suite
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"

```
for type in $_types; do
 subpackages="$subpackages $pkgname-$type:_subpkg"
done

package() {
 mkdir -p "$pkgdir"
}

_subpkg() {
 local type=${subpkgname/$pkgname-/}
 pkgdesc="$pkgdesc ($type)"
 install_if="$pkgname=$pkgver-r$pkgrel"
 mkdir -p "$subpkgdir"/usr/share/spdx
 cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}

list() {
 pkgdesc="$pkgdesc (licence list)"
 mkdir -p "$subpkgdir"/usr/share/spdx
 local i; for i in "$builddir"/text/*.txt; do
  local
 license=${i##*/}
  echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
 done
}

sha512sums="
b213fe66699770d75a4c994a01a5c08325751423516c2fb871088a47e7e7ce605736064f5ce3a63dc1d3c462271832db
7bc464ac968df1888f9823787964c786  license-list-data-3.22.tar.gz
"
# Contributor: Maxim Karasev <begs@disroot.org>
# Maintainer: mio <miyopan@e.email>
pkgname=bsd-games
pkgver=3.3
pkgrel=1
pkgdesc="traditional text mode games from BSD"
url="https://bsd-games.sourceforge.io/"
arch="all"
license="BSD-3-Clause"
install="$pkgname.post-install"
makedepends="ncurses-dev coreutils" # configure causes busybox expr error
subpackages="$pkgname-doc"
source="https://sourceforge.net/projects/bsd-games/files/bsd-games-$pkgver.tar.gz"
options="!check" # no tests

build() {
 # some GNU autoconf options are ignored, but it works
 ./configure \
```

```
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr \
  --sysconfdir=/etc \
  --mandir=/usr/share/man \
  --localstatedir=/var/lib # it really shouldn't be in /var
 make
}

package() {
 make DESTDIR="$pkgdir" install
 install -Dm644 LICENSE "$pkgdir"/usr/share/licenses/bsd-games/LICENSE
}

sha512sums="
aaf36d09d4fe68514a5c279063d7e77a9a9a84c447037cba974b29faa07eb80c2aab2379d0699c196b5c27ffe1b2bb2c6
8d3390143e0e62d5e3d210ccfb61294
  bsd-games-3.3.tar.gz
"
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.4
pkgrel=3
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
makedepends="py3-gpep517 py3-wheel"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

replaces="py-flake8-copyright"              # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

package() {
 gpep517 install-wheel --destdir "$pkgdir" \
  .dist/*.whl
```

```
}

sha512sums="
a6ab47e1bb715618f075c51f398e18180404871b3b0faf1c2d30701d5203db6bc23771bf22ffb5bafcd8ee856b9b64237
b316bd503ae7dceed6ca284ccd5a74d
  flake8-copyright-0.2.4.tar.gz
"
# Maintainer: fossdd <fossdd@pwned.life>
pkgname=cargo-license
pkgver=0.6.1
pkgrel=1
pkgdesc="Cargo subcommand to see license of dependencies"
url="https://github.com/onur/cargo-license"
arch="all"
license="MIT"
makedepends="cargo cargo-auditable"
source="$pkgname-$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/$pkgver/download"

prepare() {
 default_prepare

 cargo fetch --target="$CTARGET" --locked
}

build() {
 cargo auditable build --release --frozen
}

check() {
 cargo test --frozen
}

package() {
 install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin
}

sha512sums="
36215145e79965be090ae2f5ce6f5eb208465eb67a94c26bed1fe70a131c46c6dc35695e30852759b7366883fbc3caf00
272d796ac634f0a5e1d49232b6b29d5  cargo-license-0.6.1.tar.gz
"
# Contributor: Dhruvin Gandhi <contact@dhruvin.dev>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=py3-license-expression
_pkgname=license-expression
pkgver=30.3.0
pkgrel=1
pkgdesc="Library to parse, compare, simplify and normalize license expressions"
url="https://github.com/nexB/license-expression"
```

```
arch="noarch"
license="Apache-2.0"
depends="python3 py3-boolean.py"
makedepends="py3-setuptools py3-setuptools_scm py3-gpep517 py3-wheel"
checkdepends="py3-pytest py3-pytest-xdist"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/l/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir/$_pkgname-$pkgver"

build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

check() {
 python3 -m venv --clear --without-pip --system-site-packages .testenv
 .testenv/bin/python3 -m installer .dist/*.whl
 .testenv/bin/python3 -m pytest
}

package() {
 python3 -m installer -d "$pkgdir" \
  .dist/*.whl
}

sha512sums="
3fe4ac8830085fe38d8ee713a332047941b2a7a8ff5f31810b124c5903335a8343a222926aefe000da66a49b4d6f8b934
af3cc350448b075a4ec6aa1fdb51aef
  license-expression-30.3.0.tar.gz
"
```

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```
# Automatically generated by apkbuild-cpan, template 4
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Celeste <cielesti@protonmail.com>
pkgname=perl-bsd-resource
pkgver=1.2911
pkgrel=9
#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan
_pkgreal=BSD-Resource
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"
arch="all"
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
builddir="$srcdir/$_pkgreal-$pkgver"

build() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL \
  INSTALLDIRS=vendor \
  NO_PACKLIST=1 \
  NO_PERLLOCAL=1
 make
}

check() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 make test
}

package() {
 make DESTDIR="$pkgdir" install
}

sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b8065ba65f4fea16dc9262728b3b6b85
  BSD-Resource-1.2911.tar.gz
"
```

 Vintage Dreams Waves v 2.0. for Creative Labs' AWE Soundcards
(EMU Soundfont 2 Format)

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vintagedreamworks@hotmail.com
http://www.geocities.com/SiliconValley/Campus/8645/index.html
http://members.nbci.com/silicon39/
http://www.mp3.com/silicon39
https://analoguesque.x10host.com/
mini_sendmail - accept email on behalf of real sendmail

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OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21

```
pkgrel=8
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check"  # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
"

builddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
 update_config_sub
 default_prepare
}

build() {
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr
 make
}

package() {
 make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020  libart_lgpl-2.3.21.tar.bz2"
```

1.52 py3-pip 24.0-r2

1.52.1 Available under license :

```
# Contributor: Patrycja Rosa <alpine@ptrcnull.me>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=bsd-compat-headers
pkgver=0.7.2
pkgrel=6
pkgdesc="BSD compatibility headers (cdefs, queue, tree)"
url="https://gitlab.alpinelinux.org/alpine/aports"
arch="noarch"
license="BSD-2-Clause AND BSD-3-Clause"
source="
 cdefs.h
 queue.h
```

```
 tree.h
"
builddir="$srcdir"
options="!check" # just headers

package() {
 mkdir -p "$pkgdir"
 install -Dm644 -t "$pkgdir"/usr/include/sys \
  cdefs.h queue.h tree.h
}
sha512sums="
37c8fc73c7aea7b490f7850927e2bb91d12137c9e59e22c084146d515696dbc7973b5de92f4c987ba080dd2502ba8312
7006442c3f019b6447a620c0cae73178  cdefs.h
2f0d5e6e4dc3350285cf17009265dddcbe12431c111868eea39bc8cb038ab7c1f2acacbb21735c4e9d4a1fd106a8fc0f86
11ea33987d4faba37dde5ce6da0750  queue.h
d9ac210d81feb8ad2655bc80fb065d3fe20ae4417b32b4a1711e6738a4870140005c13373b5d1846ef3ce5ae6da45f2da
cef2092881eded0a2e94f6a07752ef3  tree.h
"
```

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The Kohonen neural network code for color optimization was written by Anthony Dekker.

Parts Copyright (c) 1995 by C. Blanc and C. Schlick
The X-Spline code was written Carole Blanc (blanc@labri.u-bordeaux.fr) and Christophe Schlick (schlick@labri.u-bordeaux.fr) starting from an initial implementation done by C. Feuille, S. Grosbois, L. Maziere and L. Minihot as a student practice (Universite Bordeaux, France). For additional information about X-splines, see:
"X-Splines: A Spline Model Designed for the End User" by C. Blanc and C. Schlick, Proceedings of SIGGRAPH'95
http://dept-info.labri.u-bordeaux.fr/~schlick/DOC/sig1.html

```
# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>
# Maintainer: Kevin Daudt <kdaudt@alpinelinux.org>
pkgname=spdx-licenses
pkgver=3.22
pkgrel=1
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check" # no test suite
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
 subpackages="$subpackages $pkgname-$type:_subpkg"
done

package() {
 mkdir -p "$pkgdir"
}

_subpkg() {
 local type=${subpkgname/$pkgname-/}
 pkgdesc="$pkgdesc ($type)"
 install_if="$pkgname=$pkgver-r$pkgrel"
 mkdir -p "$subpkgdir"/usr/share/spdx
 cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}

list() {
 pkgdesc="$pkgdesc (licence list)"
 mkdir -p "$subpkgdir"/usr/share/spdx
 local i; for i in "$builddir"/text/*.txt; do
  local
 license=${i##*/}
  echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
 done
}

sha512sums="
b213fe66699770d75a4c994a01a5c08325751423516c2fb871088a47e7e7ce605736064f5ce3a63dc1d3c462271832db
7bc464ac968df1888f9823787964c786  license-list-data-3.22.tar.gz
"
# Contributor: Maxim Karasev <begs@disroot.org>
# Maintainer: mio <miyopan@e.email>
```

```
pkgname=bsd-games
pkgver=3.3
pkgrel=1
pkgdesc="traditional text mode games from BSD"
url="https://bsd-games.sourceforge.io/"
arch="all"
license="BSD-3-Clause"
install="$pkgname.post-install"
makedepends="ncurses-dev coreutils" # configure causes busybox expr error
subpackages="$pkgname-doc"
source="https://sourceforge.net/projects/bsd-games/files/bsd-games-$pkgver.tar.gz"
options="!check" # no tests

build() {
 # some GNU autoconf options are ignored, but it works
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr \
  --sysconfdir=/etc \
  --mandir=/usr/share/man \
  --localstatedir=/var/lib # it really shouldn't be in /var
 make
}

package() {
 make DESTDIR="$pkgdir" install
 install -Dm644 LICENSE "$pkgdir"/usr/share/licenses/bsd-games/LICENSE
}

sha512sums="
aaf36d09d4fe68514a5c279063d7e77a9a9a84c447037cba974b29faa07eb80c2aab2379d0699c196b5c27ffe1b2bb2c6
8d3390143e0e62d5e3d210ccfb61294
  bsd-games-3.3.tar.gz
"
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.4
pkgrel=3
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
makedepends="py3-gpep517 py3-wheel"
```

```
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

replaces="py-flake8-copyright"              # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

package() {
 gpep517 install-wheel --destdir "$pkgdir" \
  .dist/*.whl
}

sha512sums="
a6ab47e1bb715618f075c51f398e18180404871b3b0faf1c2d30701d5203db6bc23771bf22ffb5bafcd8ee856b9b64237
b316bd503ae7dceed6ca284ccd5a74d
  flake8-copyright-0.2.4.tar.gz
"
# Maintainer: fossdd <fossdd@pwned.life>
pkgname=cargo-license
pkgver=0.6.1
pkgrel=1
pkgdesc="Cargo subcommand to see license of dependencies"
url="https://github.com/onur/cargo-license"
arch="all"
license="MIT"
makedepends="cargo cargo-auditable"
source="$pkgname-$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/$pkgver/download"

prepare() {
 default_prepare

 cargo fetch --target="$CTARGET" --locked
}

build() {
 cargo auditable build --release --frozen
}

check() {
 cargo test --frozen
}
```

```
package() {
 install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin
}

sha512sums="
36215145e79965be090ae2f5ce6f5eb208465eb67a94c26bed1fe70a131c46c6dc35695e30852759b7366883fbc3caf00
272d796ac634f0a5e1d49232b6b29d5  cargo-license-0.6.1.tar.gz
"
# Contributor: Dhruvin Gandhi <contact@dhruvin.dev>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=py3-license-expression
_pkgname=license-expression
pkgver=30.3.0
pkgrel=1
pkgdesc="Library to parse, compare, simplify and normalize license expressions"
url="https://github.com/nexB/license-expression"
arch="noarch"
license="Apache-2.0"
depends="python3 py3-boolean.py"
makedepends="py3-setuptools py3-setuptools_scm py3-gpep517 py3-wheel"
checkdepends="py3-pytest py3-pytest-xdist"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/l/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir/$_pkgname-$pkgver"

build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

check() {
 python3 -m venv --clear --without-pip --system-site-packages .testenv
 .testenv/bin/python3 -m installer .dist/*.whl
 .testenv/bin/python3 -m pytest
}

package() {
 python3 -m installer -d "$pkgdir" \
  .dist/*.whl
}

sha512sums="
3fe4ac8830085fe38d8ee713a332047941b2a7a8ff5f31810b124c5903335a8343a222926aefe000da66a49b4d6f8b934
af3cc350448b075a4ec6aa1fdb51aef
  license-expression-30.3.0.tar.gz
"
```

# Automatically generated by apkbuild-cpan, template 4
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Celeste <cielesti@protonmail.com>
pkgname=perl-bsd-resource
pkgver=1.2911

```
pkgrel=9
#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan
_pkgreal=BSD-Resource
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"
arch="all"
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
builddir="$srcdir/$_pkgreal-$pkgver"

build() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL \
  INSTALLDIRS=vendor \
  NO_PACKLIST=1 \
  NO_PERLLOCAL=1
 make
}

check() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 make test
}

package() {
 make DESTDIR="$pkgdir" install
}

sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b
8065ba65f4fea16dc9262728b3b6b85
  BSD-Resource-1.2911.tar.gz
"
```

mini_sendmail - accept email on behalf of real sendmail

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OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=8
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check" # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
 "

builddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
 update_config_sub
 default_prepare
}

build() {
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr
 make
}

package() {
 make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"

1.53 py3-packaging 24.0-r1

1.53.1 Available under license :

Contributor: Patrycja Rosa <alpine@ptrcnull.me>

Maintainer: Patrycja Rosa <alpine@ptrcnull.me>

pkgname=bsd-compat-headers

pkgver=0.7.2

pkgrel=6

pkgdesc="BSD compatibility headers (cdefs, queue, tree)"

url="https://gitlab.alpinelinux.org/alpine/aports"

arch="noarch"

license="BSD-2-Clause AND BSD-3-Clause"

source="

 cdefs.h

 queue.h

 tree.h

"

builddir="$srcdir"

options="!check" # just headers

package() {

 mkdir -p "$pkgdir"

 install -Dm644 -t "$pkgdir"/usr/include/sys \

  cdefs.h queue.h tree.h

}

sha512sums="

37c8fc73c7aea7b490f7850927e2bb91d12137c9e59e22c084146d515696dbc7973b5de92f4c987ba080dd2502ba8312

7006442c3f019b6447a620c0cae73178 cdefs.h

2f0d5e6e4dc3350285cf17009265dddcbe12431c111868eea39bc8cb038ab7c1f2acacbb21735c4e9d4a1fd106a8fc0f86

11ea33987d4faba37dde5ce6da0750 queue.h

d9ac210d81feb8ad2655bc80fb065d3fe20ae4417b32b4a1711e6738a4870140005c13373b5d1846ef3ce5ae6da45f2da

cef2092881eded0a2e94f6a07752ef3 tree.h

"

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"X-Splines: A Spline Model Designed for the End User" by C. Blanc and C. Schlick, Proceedings of SIGGRAPH'95
http://dept-info.labri.u-bordeaux.fr/~schlick/DOC/sig1.html

```
# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>
# Maintainer: Kevin Daudt <kdaudt@alpinelinux.org>
pkgname=spdx-licenses
pkgver=3.22
pkgrel=1
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check" # no test suite
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
 subpackages="$subpackages $pkgname-$type:_subpkg"
done

package() {
 mkdir -p "$pkgdir"
}

_subpkg() {
 local type=${subpkgname/$pkgname-/}
 pkgdesc="$pkgdesc ($type)"
 install_if="$pkgname=$pkgver-r$pkgrel"
 mkdir -p "$subpkgdir"/usr/share/spdx
 cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}
```

```
list() {
 pkgdesc="$pkgdesc (licence list)"
 mkdir -p "$subpkgdir"/usr/share/spdx
 local i; for i in "$builddir"/text/*.txt; do
  local
 license=${i##*/}
  echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
 done
}

sha512sums="
b213fe66699770d75a4c994a01a5c08325751423516c2fb871088a47e7e7ce605736064f5ce3a63dc1d3c462271832db
7bc464ac968df1888f9823787964c786  license-list-data-3.22.tar.gz
"
# Contributor: Maxim Karasev <begs@disroot.org>
# Maintainer: mio <miyopan@e.email>
pkgname=bsd-games
pkgver=3.3
pkgrel=1
pkgdesc="traditional text mode games from BSD"
url="https://bsd-games.sourceforge.io/"
arch="all"
license="BSD-3-Clause"
install="$pkgname.post-install"
makedepends="ncurses-dev coreutils" # configure causes busybox expr error
subpackages="$pkgname-doc"
source="https://sourceforge.net/projects/bsd-games/files/bsd-games-$pkgver.tar.gz"
options="!check" # no tests

build() {
 # some GNU autoconf options are ignored, but it works
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr \
  --sysconfdir=/etc \
  --mandir=/usr/share/man \
  --localstatedir=/var/lib # it really shouldn't be in /var
 make
}

package() {
 make DESTDIR="$pkgdir" install
 install -Dm644 LICENSE "$pkgdir"/usr/share/licenses/bsd-games/LICENSE
}

sha512sums="
aaf36d09d4fe68514a5c279063d7e77a9a9a84c447037cba974b29faa07eb80c2aab2379d0699c196b5c27ffe1b2bb2c6
```

```
8d3390143e0e62d5e3d210ccfb61294
  bsd-games-3.3.tar.gz
"
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.4
pkgrel=3
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
makedepends="py3-gpep517 py3-wheel"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

replaces="py-flake8-copyright"            # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

package() {
 gpep517 install-wheel --destdir "$pkgdir" \
  .dist/*.whl
}

sha512sums="
a6ab47e1bb715618f075c51f398e18180404871b3b0faf1c2d30701d5203db6bc23771bf22ffb5bafcd8ee856b9b64237
b316bd503ae7dceed6ca284ccd5a74d
  flake8-copyright-0.2.4.tar.gz
"
# Maintainer: fossdd <fossdd@pwned.life>
pkgname=cargo-license
pkgver=0.6.1
pkgrel=1
pkgdesc="Cargo subcommand to see license of dependencies"
url="https://github.com/onur/cargo-license"
arch="all"
license="MIT"
makedepends="cargo cargo-auditable"
```

```
source="$pkgname-$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/$pkgver/download"

prepare() {
 default_prepare

 cargo fetch --target="$CTARGET" --locked
}

build() {
 cargo auditable build --release --frozen
}

check() {
 cargo test --frozen
}

package() {
 install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin
}

sha512sums="
36215145e79965be090ae2f5ce6f5eb208465eb67a94c26bed1fe70a131c46c6dc35695e30852759b7366883fbc3caf00
272d796ac634f0a5e1d49232b6b29d5  cargo-license-0.6.1.tar.gz
"
# Contributor: Dhruvin Gandhi <contact@dhruvin.dev>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=py3-license-expression
_pkgname=license-expression
pkgver=30.3.0
pkgrel=1
pkgdesc="Library to parse, compare, simplify and normalize license expressions"
url="https://github.com/nexB/license-expression"
arch="noarch"
license="Apache-2.0"
depends="python3 py3-boolean.py"
makedepends="py3-setuptools py3-setuptools_scm py3-gpep517 py3-wheel"
checkdepends="py3-pytest py3-pytest-xdist"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/l/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir/$_pkgname-$pkgver"

build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

check() {
```

```
python3 -m venv --clear --without-pip --system-site-packages .testenv
.testenv/bin/python3 -m installer .dist/*.whl
.testenv/bin/python3 -m pytest
}

package() {
python3 -m installer -d "$pkgdir" \
.dist/*.whl
}

sha512sums="
3fe4ac8830085fe38d8ee713a332047941b2a7a8ff5f31810b124c5903335a8343a222926aefe000da66a49b4d6f8b934
af3cc350448b075a4ec6aa1fdb51aef
  license-expression-30.3.0.tar.gz
"
```

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```
# Automatically generated by apkbuild-cpan, template 4
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Celeste <cielesti@protonmail.com>
pkgname=perl-bsd-resource
pkgver=1.2911
pkgrel=9
#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan
_pkgreal=BSD-Resource
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"
arch="all"
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
builddir="$srcdir/$_pkgreal-$pkgver"

build() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL \
  INSTALLDIRS=vendor \
  NO_PACKLIST=1 \
  NO_PERLLOCAL=1
 make
}

check() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 make test
}

package() {
 make DESTDIR="$pkgdir" install
}

sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b
```

8065ba65f4fea16dc9262728b3b6b85
  BSD-Resource-1.2911.tar.gz
"

mini_sendmail - accept email on behalf of real sendmail

# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=8
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check" # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
 "

builddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
 update_config_sub
 default_prepare
}

```
build() {
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr
 make
}

package() {
 make DESTDIR="$pkgdir" install
}
```

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"

1.54 sqlite 3.45.3-r1

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1.55 python-requests 2.32.3

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1.56 busybox 1.36.1-r29

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Julian Seward, Cambridge, UK.
jseward@bzip.org
bzip2/libbzip2 version 1.0.4 of 20 December 2006
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1.57 confection 0.1.5

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1.62 en-core-web-md 3.7.1

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German Test Resources

The following corpora provide data for evaluating German models.

There are very few German resources (corpora or models) that are freely
available for use in a commercial context, so the evaluation and tests
are currently rather limited.

Parallel Universal Dependencies (PUD) German Treebank

Components: tagger, parser (minimal)

Location: tests/lang/de/test_files/de_pud-ud-test.stts.json, tests/lang/de/test_files/de_pud-ud-test-v2.5.json

Description: The [German PUD test
corpus](https://github.com/UniversalDependencies/UD_German-PUD) v2.4/v2.5, which
contains news and Wikipedia data (1000 sentences).

License: CC BY-SA 3.0

Citation:

```
Nivre, Joakim; Abrams, Mitchell; Agi, Željko; et al., 2019, Universal
Dependencies 2.4, LINDAT/CLARIN digital library at the Institute of Formal and
Applied Linguistics (ÚFAL), Faculty of Mathematics and Physics, Charles
University,
 http://hdl.handle.net/11234/1-2988.
```

Data Preparation for de_pud-ud-test.stts.json

1. The expanded multiword tokens such as (`zur` -> `zu`, `dem`) were removed,
leaving only the original token from the text (`zur`).

1. The texts were tagged with spacy 2.0 and 2.1 (de_core_news_sm, 2.0.0,
de_core_news_md, 2.1.0).

1. Heuristic rules were applied that took into account the available tags: UD
tags, fine-grained tags (which appears to be from a Google internal tagset?),
and the two spacy tags.

   Common ambiguous cases where the UD tag maps unambiguously back to STTS rely
on the gold UD/Google tags, which appear to be more more accurate than the
automatic spacy tags: verb forms (VVINF vs. VVFIN vs. VVPP), ART vs. PRELS, NE
vs. NN, ADV vs. ADJD, etc.

   The UD PUNCT tags for non-ASCII punctuation are mapped to the appropriate
STTS tag (typically `$(`, since it's mainly non-ASCII punctuation where spacy,
especially spacy 2.1, has problems).

   In the remaining cases, if the
 two spacy tags agree, the spacy STTS tag is
used. If the spacy tags do not agree, then the UD/Google tags (and rarely the
token itself) are used to choose between the two spacy tags.

   Finally, a handful of cases where the spacy tags disagreed were corrected
 by hand.

Some problems and inconsistencies remain. There are definitely inconsistencies
related to:

* poor tokenization in the original corpus

  * compounds split on "-" (there are no STTS tags for the non-final
    elements of compounds)

  * abbreviations such as `z . B.`, `bzw .`

  * ordinals such as `1.` tokenized as `1 .` in some instances

* foreign language material (in UD_German-PUD typically tagged with the correct
 POS for the foreign material rather than with FM)

Performance

de_core_news_sm 2.0.0:

```
POS     94.57
```

de_core_news_sm 2.1.0:

```
POS     93.36
```

```
```

de_core_news_md 2.1.0:

```
POS     94.02
```

Found in path(s):
* /opt/cola/permits/2061116624_1732062472.0803466/0/spacy-models-master-2-zip/spacy-models-
master/tests/data/test_files/de/README.md
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Japanese Test Resources

The following corpora provide data for evaluating Japanese models.

UD Japanese GSD

[UD Japanese GSD](https://github.com/UniversalDependencies/UD_Japanese-GSD)
v2.6.

Contributors: Omura, Mai; Miyao, Yusuke; Kanayama, Hiroshi; Matsuda, Hiroshi; Wakasa, Aya; Yamashita, Kayo;
Asahara, Masayuki; Tanaka, Takaaki; Murawaki, Yugo; Matsumoto, Yuji; Mori, Shinsuke; Uematsu, Sumire;
McDonald, Ryan; Nivre, Joakim; Zeman, Daniel

[UD Japanese GSD v2.6-NE](https://github.com/megagonlabs/UD_Japanese-GSD)

Components: tagger, ner, parser

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Citations:

```
Nivre, Joakim; Abrams, Mitchell; Agi, Željko; et al., 2019, Universal
Dependencies 2.5, LINDAT/CLARIN digital library at the Institute of Formal and
Applied Linguistics (ÚFAL), Faculty of Mathematics and Physics, Charles
University.
```

```
Matsuda, Omura, Asahara, et al. UD Japanese GSD .
26,
 2020
```

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Swedish Test Resources

The following corpora provide data for evaluating Swedish models.

UD Swedish Talbanken

[UD Swedish Talbanken corpus](https://github.com/UniversalDependencies/UD_Swedish-Talbanken) r2.8

Contributors: Nivre, Joakim; Smith, Aaron

Components: tagger, morphologizer, parser, lemmatizer

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Citation:

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Nivre, Joakim; Abrams, Mitchell; Agi, Željko; et al., 2019, Universal
Dependencies 2.5, LINDAT/CLARIN digital library at the Institute of Formal and
Applied Linguistics (ÚFAL), Faculty of Mathematics and Physics, Charles
University.
```

Stockholm-Umeå Corpus (SUC) v3.0

[Stockholm-Umeå Corpus (SUC) v3.0](https://huggingface.co/datasets/KBLab/sucx3_ner)

Authors: Språkbanken

Components: ner

License: CC BY 4.0

Additional links:

- https://spraakbanken.gu.se/en/resources/suc3
- http://spraakbanken.gu.se/parole/Docs/SUC2.0-manual.pdf

Found in
 path(s):
* /opt/cola/permits/2061116624_1732062472.0803466/0/spacy-models-master-2-zip/spacy-models-master/tests/data/test_files/sv/README.md
No license file was found, but licenses were detected in source scan.

Polish Test Resources

The following corpora provide data for evaluating Polish models.

NKJP

National Corpus of Polish (http://nkjp.pl)

Authors: Mirosaw Bako, Rafa L. Górski, Barbara Lewandowska-Tomaszczyk, Marek aziski, Piotr Pzik, Adam Przepiórkowski

Components: tagger, ner

UD Polish PDB

[UD Polish PDB corpus](https://github.com/UniversalDependencies/UD_Polish-PDB) v2.3.

Contributors: Marcin Woliski, Zbigniew Bronk, Wodzimierz Gruszczyski, Witold Kiera, Zygmunt Saloni, Danuta Skowroska, Robert Woosz

Components: morphologizer, parser

License: GPL

Citation:

```
Nivre, Joakim; Abrams, Mitchell; Agi, Željko; et al., 2019, Universal
Dependencies 2.5, LINDAT/CLARIN digital library at the Institute of Formal and
Applied Linguistics (ÚFAL), Faculty of Mathematics and Physics, Charles
University.
```

Found in path(s):
* /opt/cola/permits/2061116624_1732062472.0803466/0/spacy-models-master-2-zip/spacy-models-master/tests/data/test_files/pl/README.md
No license file was found, but licenses were detected in source scan.

Russian Test Resources

The following corpora provide data for evaluating Russian models.

Nerus

Components: tagger, parser

Location: tests/lang/ru/test_files/nerus-dev.json

License: CC BY-SA 4.0

Data Preparation

1. Unfortunately there are only dev and train slices, use dev `wget https://storage.yandexcloud.net/natasha-spacy/data/nerus-dev.conllu.gz`
2. Uncompress, slice first 100 sents `gzcat nerus-dev.conllu.gz | head -1934 > nerus-dev.conllu`
3. `spacy convert nerus-dev.conllu -m -t json > nerus-dev.json`

Found in path(s):
* /opt/cola/permits/2061116624_1732062472.0803466/0/spacy-models-master-2-zip/spacy-models-master/tests/data/test_files/ru/README.md
No license file was found, but licenses were detected in source scan.

Spanish Test Resources

The following corpora provide data for evaluating Spanish models.

UD Spanish AnCora

[UD Spanish AnCora corpus](https://github.com/UniversalDependencies/UD_Spanish-AnCora) v2.8.

Contributors: Martínez Alonso, Héctor; Zeman, Daniel

Components: tagger, parser

License: GPL

Citation:

```
Nivre, Joakim; Abrams, Mitchell; Agi, Željko; et al., 2019, Universal
Dependencies 2.5, LINDAT/CLARIN digital library at the Institute of Formal and
Applied Linguistics (ÚFAL), Faculty of Mathematics and Physics, Charles
University.
```

Found in path(s):
* /opt/cola/permits/2061116624_1732062472.0803466/0/spacy-models-master-2-zip/spacy-models-master/tests/data/test_files/es/README.md
No license file was found, but licenses were detected in source scan.

Lithuanian Test Resources

The following corpora provide data for evaluating Lithuanian models.

UD Lithuanian ALKSNIS

[UD Lithuanian ALKSNIS corpus](https://github.com/UniversalDependencies/UD_Lithuanian-ALKSNIS) v2.5.

Contributors: Utka, Andrius; Rimkut, Erika; Bielinskien, Agn; Kovalevskait, Jolanta; Boizou, Loïc; Aleksandraviit, Gabriel; Brokait, Kristina; Zeman, Daniel

Components: tagger, parser

License: CC BY-SA 4.0

Citation:

```
Nivre, Joakim; Abrams, Mitchell; Agi, Željko; et al., 2019, Universal
Dependencies 2.5, LINDAT/CLARIN digital library at the Institute of Formal and
Applied Linguistics (ÚFAL), Faculty of Mathematics and Physics, Charles
University.
```

Found in path(s):
* /opt/cola/permits/2061116624_1732062472.0803466/0/spacy-models-master-2-zip/spacy-models-master/tests/data/test_files/lt/README.md
No license file was found, but licenses were detected in source scan.

Chinese Test Resources

The following corpora provide data for evaluating Chinese models. The UD word segmentation does not correspond well to OntoNotes, so the score thresholds are intended to catch major model bugs, not to reflect the OntoNotes model performance.

UD Chinese GSD

[UD Chinese GSD](https://github.com/UniversalDependencies/UD_Chinese-GSD) v2.5.

Contributors: Shen, Mo; McDonald, Ryan; Zeman, Daniel; Qi, Peng

Components: tagger, parser

License: CC BY-SA 3.0

Citation:

```
Nivre, Joakim; Abrams, Mitchell; Agi, Željko; et al., 2019, Universal
Dependencies 2.5, LINDAT/CLARIN digital library at the Institute of Formal and
Applied Linguistics (ÚFAL), Faculty of Mathematics and Physics, Charles
```

University.
```

Found in path(s):
* /opt/cola/permits/2061116624_1732062472.0803466/0/spacy-models-master-2-zip/spacy-models-master/tests/data/test_files/zh/README.md
No license file was found, but licenses were detected in source scan.

# Catalan Test Resources

The following corpora provide data for evaluating Spanish models.

## UD Catalan AnCora

[UD Catalan AnCora corpus](https://github.com/UniversalDependencies/UD_Catalan-AnCora) v2.8.

Contributors: Martínez Alonso, Héctor; Pascual, Elena; Zeman, Daniel

**Components:** morphologizer, parser, lemmatizer

**License:** GPL

**Citation:**

```
Nivre, Joakim; Abrams, Mitchell; Agi, Željko; et al., 2019, Universal
Dependencies 2.5, LINDAT/CLARIN digital library at the Institute of Formal and
Applied Linguistics (ÚFAL), Faculty of Mathematics and Physics, Charles
University.
```

NER4conllu (Named Entites from Ancora Corpus)

[NER4conllu (Named Entites from Ancora Corpus) v1.0.1](http://doi.org/10.5281/zenodo.4761746)

[UD Catalan AnCora + NER v3.2.8](https://github.com/TeMU-BSC/spacy/releases/tag/3.2.8)

Contributors: Carlos Rodríguez-Penagos and Carme Armentano-Oller

Components: ner

License:
 GPL

Citation:

```
Rodriguez-Penagos, Carlos Gerardo;, & Armentano-Oller, Carme. (2021).

NER4conllu (Named Entites from Ancora Corpus) (Version 1.0.1) [Data set].
Zenodo. http://doi.org/10.5281/zenodo.4761746
```

Found in path(s):
* /opt/cola/permits/2061116624_1732062472.0803466/0/spacy-models-master-2-zip/spacy-models-
master/tests/data/test_files/ca/README.md
No license file was found, but licenses were detected in source scan.

Korean Test Resources

The following corpora provide data for evaluating Korean models.

UD Korean Kaist

[UD Korean Kaist corpus](https://github.com/UniversalDependencies/UD_Korean-Kaist) r2.8

Contributors: Choi, Jinho; Han, Na-Rae; Hwang, Jena; Chun, Jayeol

Components: tagger, morphologizer, parser, lemmatizer

License: CC BY-SA 4.0

Citation:

```
Nivre, Joakim; Abrams, Mitchell; Agi, Željko; et al., 2019, Universal
Dependencies 2.5, LINDAT/CLARIN digital library at the Institute of Formal and
Applied Linguistics (ÚFAL), Faculty of Mathematics and Physics, Charles
University.
```

KLUE Benchmark

[KLUE v1.1.0](https://github.com/KLUE-benchmark/KLUE)

Authors: Sungjoon Park, Jihyung Moon, Sungdong Kim, Won Ik Cho, Jiyoon Han, Jangwon Park, Chisung Song, Junseong Kim, Youngsook Song, Taehwan Oh, Joohong Lee, Juhyun Oh, Sungwon Ryu, Younghoon Jeong, Inkwon Lee, Sangwoo Seo, Dongjun Lee, Hyunwoo
 Kim, Myeonghwa Lee, Seongbo Jang, Seungwon Do, Sunkyoung Kim, Kyungtae Lim, Jongwon Lee, Kyumin Park, Jamin Shin, Seonghyun Kim, Lucy Park, Alice Oh, Jung-Woo Ha, Kyunghyun Cho

Components: ner

License: CC BY-SA 4.0

Found in path(s):
* /opt/cola/permits/2061116624_1732062472.0803466/0/spacy-models-master-2-zip/spacy-models-

master/tests/data/test_files/ko/README.md
No license file was found, but licenses were detected in source scan.

Portuguese Test Resources

The following corpora provide data for evaluating Portuguese models.

UD Portuguese Bosque

[UD Portuguese Bosque corpus](https://github.com/UniversalDependencies/UD_Portuguese-Bosque) v2.5.

Contributors: Rademaker, Alexandre; Freitas, Cláudia; de Souza, Elvis; Silveira, Aline; Cavalcanti, Tatiana; Evelyn, Wograine; Rocha, Luisa; Soares-Bastos, Isabela; Bick, Eckhard; Chalub, Fabricio; Paulino-Passos, Guilherme; Real, Livy; de Paiva, Valeria; Zeman, Daniel; Popel, Martin; Mareek, David; Silveira, Natalia; Martins, André

Components: parser

License: CC BY-SA 4.0

Citation:

```
Nivre, Joakim; Abrams, Mitchell; Agi, Željko; et al., 2019, Universal
Dependencies 2.5, LINDAT/CLARIN digital library at the Institute of Formal and
Applied Linguistics (ÚFAL), Faculty of Mathematics and Physics, Charles
University.
```

Found in path(s):
* /opt/cola/permits/2061116624_1732062472.0803466/0/spacy-models-master-2-zip/spacy-models-master/tests/data/test_files/pt/README.md
No license file was found, but licenses were detected in source scan.

Slovenian Test Resources

The following corpora provide data for evaluating Slovenian models.

Training corpus SUK 1.0

[Training corpus SUK 1.0](https://www.clarin.si/repository/xmlui/handle/11356/1747)

Contributors: Arhar Holdt, Špela; Krek, Simon; Dobrovoljc, Kaja; Erjavec,
Tomaž; Gantar, Polona; ibej, Jaka; Pori, Eva; Teron, Luka; Munda, Tina;
Žitnik, Slavko; Robida, Nejc; Blagus, Neli; Može, Sara; Ledinek, Nina; Holz,
Nanika; Zupan, Katja; Kuzman, Taja; Kavi, Teja; Škrjanec, Iza; Marko, Dafne;
Jezeršek, Lucija; Zajc, Anja

Components: tagger, morphologizer, parser, lemmatizer, ner

License: CC BY-SA 4.0

Citation:

```
Arhar Holdt, Špela; et al., 2022, Training corpus SUK 1.0, Slovenian language resource repository CLARIN.SI,
ISSN 2820-4042, http://hdl.handle.net/11356/1747.
```

Found in path(s):
* /opt/cola/permits/2061116624_1732062472.0803466/0/spacy-models-master-2-zip/spacy-models-
master/tests/data/test_files/sl/README.md
No license file was found, but licenses were detected in source scan.

English Test Resources

The following corpora provide data for evaluating English models.

MASC

Components: tagger, parser

Location: tests/lang/en/test_files/masc-penn-treebank-sample.json

A sample of 5% of sentences (2050 sentences) from the
[MASC](https://www.anc.org/data/masc/) (Manually Annotated Sub-Corpus) from the
Open American National Corpus. It contains a variety of written genres: blog,
email, essays, ficlets, fiction, govt-docs, jokes, journal, letters,
movie-script, newspaper, non-fiction, technical, travel-guides, twitter.

License: CC-BY 3.0

Citation:

```
@inproceedings{ide-etal-2008-masc,
  title = "{MASC}: the Manually Annotated Sub-Corpus of {A}merican {E}nglish",
  author = "Ide, Nancy  and
    Baker, Collin  and
    Fellbaum, Christiane  and
    Fillmore, Charles  and
    Passonneau, Rebecca",
  booktitle = "LREC 2008",
  year = "2008",
  url = "http://www.lrec-conf.org/proceedings/lrec2008/pdf/617_paper.pdf",
}
```

###
 Data Preparation

1. The files in `penn-treebank/data/written` were converted with
[ClearNLP](https://github.com/clir/clearnlp) using the converter
`edu.emory.clir.clearnlp.bin.C2DConvert` with the options:

  ```
  -r -i /path/to/masc/penn-treebank/data/written -h /path/to/headrule_en_stanford.txt -pe mrg
  ```

  (The file `blog/sucker.mrg` couldn't be converted and was skipped.)

1. Initial `<begin_.*>` marker sentences (present only in the Penn Treebank
annotation and not in the main MASC corpus) were removed.

1. CoNLL-X was converted to CoNLL-U and 5% of sentences were selected
randomly.

1. CoNLL-U was converted using `spacy convert -t json`.

Performance

Because of the differences in genres between OntoNotes and MASC, the
performance is lower than for news/web text.

en_core_web_sm 2.1.0:

```
POS     88.37
UAS     82.93
LAS     79.11
```

en_core_web_md 2.1.0:

```
POS     89.19
UAS
    83.35
LAS     79.89
```

en_core_web_lg 2.1.0:

```
POS     89.59
```

```
UAS     83.88
LAS     80.48
```

Parallel Universal Dependencies (PUD) English Treebank

Components: tagger

Location: tests/lang/en/test_files/en_pud-ud-test.json

The [English PUD test
corpus](https://github.com/UniversalDependencies/UD_English-PUD) v2.4, which
contains news and Wikipedia data (1000 sentences).

License: CC BY-SA 3.0

Citation:

```
Nivre, Joakim; Abrams, Mitchell; Agi, Željko; et al., 2019, Universal
Dependencies 2.4, LINDAT/CLARIN digital library at the Institute of Formal and
Applied Linguistics (ÚFAL), Faculty of Mathematics and Physics, Charles
University, http://hdl.handle.net/11234/1-2988.
```

Data Preparation

1. `spacy convert en_pud-ud-test.conllu -t json`

Performance

The genres are more similar to OntoNotes, so performance is higher than for
MASC.

en_core_web_sm 2.1.0:

```
POS     94.47
```

en_core_web_md 2.1.0:

```
POS     94.85
```

en_core_web_lg

2.1.0:

```
POS      95.17
```

Found in path(s):
* /opt/cola/permits/2061116624_1732062472.0803466/0/spacy-models-master-2-zip/spacy-models-master/tests/data/test_files/en/README.md
No license file was found, but licenses were detected in source scan.

Ukrainian Test Resources

The following corpora provide data for evaluating Ukrainian models.

Ukr-Synth

Components: morphologizer, parser, ner

Location: tests/data/test_files/uk/ukr_synth-dev_sample.json

Description:
[Ukr-Synth](https://huggingface.co/datasets/ukr-models/Ukr-Synth) is a silver
standard Ukrainian corpus containing a subsample of the [Leipzig Corpora
Collection for Ukrainian
Language](https://wortschatz.uni-leipzig.de/en/download/Ukrainian).

License: MIT

Found in path(s):
* /opt/cola/permits/2061116624_1732062472.0803466/0/spacy-models-master-2-zip/spacy-models-master/tests/data/test_files/uk/README.md
No license file was found, but licenses were detected in source scan.

French Test Resources

The following corpora provide data for evaluating French models.

UD French Sequoia

[UD French Sequoia corpus](https://github.com/UniversalDependencies/UD_French-Sequoia) v2.5.

Contributors: Candito, Marie; Seddah, Djamé; Perrier, Guy; Guillaume, Bruno

Components: tagger, parser

License: LGPL-LR

Citation:

```
Nivre, Joakim; Abrams, Mitchell; Agi, Željko; et al., 2019, Universal
Dependencies 2.5, LINDAT/CLARIN digital library at the Institute of Formal and
Applied Linguistics (ÚFAL), Faculty of Mathematics and Physics, Charles
University.
```

Found in path(s):
* /opt/cola/permits/2061116624_1732062472.0803466/0/spacy-models-master-2-zip/spacy-models-
master/tests/data/test_files/fr/README.md
No license file was found, but licenses were detected in source scan.

Dutch Test Resources

The following corpora provide data for evaluating Dutch models.

UD Dutch LassySmall

[UD Dutch LassySmall corpus](https://github.com/UniversalDependencies/UD_Dutch-LassySmall) v2.8.

Contributors: Bouma, Gosse; van Noord, Gertjan

Components: tagger, parser

License: CC BY-SA 4.0

Citation:

```
Nivre, Joakim; Abrams, Mitchell; Agi, Željko; et al., 2019, Universal
Dependencies 2.5, LINDAT/CLARIN digital library at the Institute of Formal and
Applied Linguistics (ÚFAL), Faculty of Mathematics and Physics, Charles
University.
```

Found in path(s):
* /opt/cola/permits/2061116624_1732062472.0803466/0/spacy-models-master-2-zip/spacy-models-
master/tests/data/test_files/nl/README.md
No license file was found, but licenses were detected in source scan.

Croatian Test Resources

The following corpora provide data for evaluating Croatian models.

hr500k 1.0

[Training corpus hr500k 1.0](http://hdl.handle.net/11356/1183)

Contributors: Ljubeši, Nikola ; Agi, Željko ; Klubika, Filip ; Batanovi, Vuk and Erjavec, Tomaž

Components: tagger, morphologizer, lemmatizer, parser, ner

License: CC BY-SA 4.0

Citation:

```
Ljubeši, Nikola; Agi, Željko; Klubika, Filip; Batanovi, Vuk and Erjavec,
Tomaž, 2018, Training corpus hr500k 1.0, Slovenian language resource repository
CLARIN.SI, ISSN 2820-4042, http://hdl.handle.net/11356/1183.
```

Found in path(s):
* /opt/cola/permits/2061116624_1732062472.0803466/0/spacy-models-master-2-zip/spacy-models-master/tests/data/test_files/hr/README.md
No license file was found, but licenses were detected in source scan.

Polish Test Resources

The following corpora provide data for evaluating Polish models.

RONEC

[RONEC](https://github.com/dumitrescustefan/ronec)

Authors: Dumitrescu, Stefan Daniel, and Andrei-Marius Avram

Components: ner

License: MIT

```
@article{dumitrescu2019introducing,
 title={Introducing RONEC--the Romanian Named Entity Corpus},
 author={Dumitrescu, Stefan Daniel and Avram, Andrei-Marius},
 journal={arXiv preprint arXiv:1909.01247},
 year={2019}
}
```

UD Romanian RRT

[UD Romanian RRT corpus](https://github.com/UniversalDependencies/UD_Romanian-RRT) v2.8.

Contributors: Barbu Mititelu, Verginica; Irimia, Elena; Perez, Cenel-Augusto; Ion, Radu; Simionescu, Radu; Popel, Martin

Components: tagger, parser

License: CC BY-SA 4.0

Citation:

```
Nivre, Joakim; Abrams, Mitchell; Agi, Željko; et al., 2019, Universal
Dependencies 2.5, LINDAT/CLARIN digital library at the Institute
 of Formal and
Applied Linguistics (ÚFAL), Faculty of Mathematics and Physics, Charles
University.
```

Found in path(s):
* /opt/cola/permits/2061116624_1732062472.0803466/0/spacy-models-master-2-zip/spacy-models-master/tests/data/test_files/ro/README.md
No license file was found, but licenses were detected in source scan.

Finnish Test Resources

The following corpora provide data for evaluating Finnish models.

UD Finnish TDT

[UD Finnish TDT corpus](https://github.com/UniversalDependencies/UD_Finnish-TDT) r2.8

Contributors: Ginter, Filip; Kanerva, Jenna; Laippala, Veronika; Miekka, Niko; Missilä, Anna; Ojala, Stina; Pyysalo, Sampo

Components: tagger, morphologizer, parser, lemmatizer

License: CC BY-SA 4.0

Citation:

```
Nivre, Joakim; Abrams, Mitchell; Agi, Željko; et al., 2019, Universal
Dependencies 2.5, LINDAT/CLARIN digital library at the Institute of Formal and
Applied Linguistics (ÚFAL), Faculty of Mathematics and Physics, Charles
University.
```

TurkuONE

[Turku OntoNotes Entities Corpus](https://github.com/TurkuNLP/turku-one) (commit ffe2040e).

Authors: Jouni Luoma, Li-Hsin Chang, Filip Ginter, Sampo Pyysalo

Components: ner

License: CC BY-SA 4.0

Citation:

```
Jouni Luoma, Li-Hsin Chang,
 Filip Ginter, and Sampo Pyysalo, 2021. Fine-grained Named Entity Annotation for Finnish. Proceedings of the 23rd Nordic Conference on Computational Linguistics (NoDaLiDa).
```

Found in path(s):
* /opt/cola/permits/2061116624_1732062472.0803466/0/spacy-models-master-2-zip/spacy-models-master/tests/data/test_files/fi/README.md
No license file was found, but licenses were detected in source scan.

Danish Test Resources

The following corpora provide data for evaluating Danish models.

UD Danish DDT

[UD Danish DDT corpus](https://github.com/UniversalDependencies/UD_Danish-DDT)
v2.8. [DaNE](https://github.com/alexandrainst/danlp/blob/master/docs/datasets.md#danish-dependency-treebank-dane)

Contributors:

UD: Johannsen, Anders; Martínez Alonso, Héctor; Plank, Barbara

DaNE: Rasmus Hvingelby, Amalie Brogaard Pauli, Maria Barrett, Christina Rosted,
Lasse Malm Lidegaard and Anders Søgaard

Components: tagger, parser, ner

License: CC BY-SA 4.0

Citations:

```
Nivre, Joakim; Abrams, Mitchell; Agi, Željko; et al., 2019, Universal
Dependencies 2.3, LINDAT/CLARIN digital library at the Institute of Formal and
```

Applied Linguistics (ÚFAL), Faculty of Mathematics and Physics, Charles
University.
```

```
Rasmus Hvingelby, Amalie Brogaard Pauli, Maria Barrett, Christina Rosted, Lasse
Malm Lidegaard and Anders
 Søgaard. DaNE: A Named Entity Resource for Danish.
LREC 2020.
```

Found in path(s):
* /opt/cola/permits/2061116624_1732062472.0803466/0/spacy-models-master-2-zip/spacy-models-
master/tests/data/test_files/da/README.md
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Norwegian Bokmål Test Resources

The following corpora provide data for evaluating Norwegian Bokmål models.

UD Norwegian Bokmål / NorNE

[UD Norwegian Bokmål corpus](https://github.com/UniversalDependencies/UD_Norwegian-Bokmaal) v2.8

[NorNE](https://github.com/ltgoslo/norne)

Contributors:

UD: Øvrelid, Lilja; Jørgensen, Fredrik; Hohle, Petter

NorNE: Fredrik Jørgensen, Tobias Aasmoe, Anne-Stine Ruud Husevåg, Lilja Øvrelid, and Erik Velldal

Components: tagger, parser, ner

License: CC0

Citation:

```
Nivre, Joakim; Abrams, Mitchell; Agi, Željko; et al., 2019, Universal
Dependencies 2.5, LINDAT/CLARIN digital library at the Institute of Formal and
Applied Linguistics (ÚFAL), Faculty of Mathematics and Physics, Charles
University.
```

```
Tobias Aasmoe, Anne-Stine Ruud Husevåg, Lilja Øvrelid, and Erik Velldal. NorNE:
Annotating Named Entities for Norwegian. LREC 2020.
```

Found in path(s):

* /opt/cola/permits/2061116624_1732062472.0803466/0/spacy-models-master-2-zip/spacy-models-master/tests/data/test_files/nb/README.md

1.63 wasabi 1.1.3

1.63.1 Available under license :

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 IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN
THE SOFTWARE.

1.64 xz 5.6.2-r0

1.64.1 Available under license :

XZ Utils Licensing
==================

    Different licenses apply to different files in this package. Here
    is a summary of which licenses apply to which parts of this package:

      - liblzma is under the BSD Zero Clause License (0BSD).

      - The command line tools xz, xzdec, lzmadec, and lzmainfo are
        under 0BSD except that, on systems that don't have a usable
        getopt_long, GNU getopt_long is compiled and linked in from the

'lib' directory. The getopt_long code is under GNU LGPLv2.1+.

- The scripts to grep, diff, and view compressed files have been
  adapted from GNU gzip. These scripts (xzgrep, xzdiff, xzless,
  and xzmore) are under GNU GPLv2+. The man pages of the scripts
  are under 0BSD; they aren't based on the man pages of GNU gzip.

- Most of the XZ Utils specific documentation that is in
  plain text files (like README, INSTALL, PACKAGERS, NEWS,
  and ChangeLog) are under 0BSD unless stated otherwise in
  the file itself. The files xz-file-format.txt and
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<one line to give the program's name and an idea of what it does.>

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Gnomovision version 69, Copyright (C) year name of author Gnomovision comes
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and you are welcome to redistribute it under certain conditions; type `show
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The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may be
called something other than `show w' and `show c'; they could even be mouse-clicks
or menu items--whatever suits your program.

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if any, to sign a "copyright
 disclaimer" for the program, if necessary. Here
is a sample; alter the names:

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

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

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1.66 cracklib 2.9.11-r7

1.66.1 Available under license :

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Version 2.1, February 1999

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it. And you must show them these terms so they know their rights.

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allowed to use the library. A more frequent case is that a free
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case, there is little to gain by limiting
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software only, so we use the Lesser General Public License.

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system.

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 in order to run.
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 A "library" means a collection of software functions and/or data
prepared so as to be conveniently linked with application programs

(which use some of those functions and data) to form executables.

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

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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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  a) The modified work must itself be a software library.

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

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

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

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

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Library,
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this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote
it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
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In addition, mere aggregation of another work not based on the Library
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subsequent copies and derivative works made from that copy.

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

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

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

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

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

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

 If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object

file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

 Otherwise, if the work is a derivative of the Library, you may
distribute
 the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.
^L
 6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
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 You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

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

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

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

  c) Accompany the work with a written offer, valid for at

least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

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

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

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

 It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
distribute.
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 7. You may place library facilities that are a work based on the
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the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

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with any other library
facilities. This must be distributed under the terms of the
Sections above.

b) Give prominent notice with the combined library of the fact
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redistribution under these terms (or, alternatively, under the terms
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 To apply these terms, attach the following notices to the library.
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have at least the "copyright" line and a pointer to where the full
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    Copyright (C) <year> <name of author>

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

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

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

That's all there is to it!

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

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

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

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

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

clarification of the licensing that was already in place.=20

-- Nathan
=20

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

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

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

Attachments: Message as HTML
On Monday 01 October 2007, Neulinger, Nathan
wrote:
   > I understand that, and you're welcome to bring it up with Alec directly
   > and see if he wants to relicense his code as LGPL... but at this point,
   > it was enough to just get it consistent and documented as to what it was
   > released under. This wasn't actually a license change, just a
   > clarification of the licensing that was already in place.

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

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

Re: [Cracklib-devel]

cracklib license

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

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

-- Nathan

=20

Nathan Neulinger EMail: nneul@um...

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

UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:33 PM
> To: Neulinger, Nathan
> Cc: cracklib-devel@li...; Alec Muffett
 > Subject: Re: [Cracklib-devel] cracklib license
>=20
> On Monday 01 October 2007, Neulinger, Nathan wrote:
> > I understand that, and you're welcome to bring it up with Alec
> directly
> > and see if he wants to relicense his code as LGPL... but at this
> point,
> > it was enough to just get it consistent and documented as to what
> it was
> > released under. This wasn't actually a license change, just a
> > clarification of the licensing that was already in place.
>=20
> the original license (before moving to sourceforge -- aka, 2.7) was
> not
> GPL-2 ... it was a modified artistic license ... i didnt notice the
> license
> change until it was mentioned in the latest notes.
>=20
> unlike the old license, GPL-2 prevents people from using cracklib
> unless their
> applications are also GPL-2 which imo is just wrong. it isnt the
> place of a
> library

to dictact to application writes what license they should
> be using.
> thus LGPL-2.1 enters to fill this void.
> -mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.

I am sympathetic. Guys, what do you reckon?

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

-a

Re: [Cracklib-devel] cracklib license
From: Devin Reade <gdr@gn...> - 2007-10-02 15:04
I would like to see it under LGPL as well. I
think it is in everyone's
best interests to have as secure systems as possible, and I think tainting
it via GPL will just make it less likely that the library gets used, and
will not usually cause companies/developers to GPL the dependent code
(where it is not already GPL).

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

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

Re: [Cracklib-devel] cracklib license
From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32
On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > Seems like the ideal thing here would be for you and the other distro
> > maintainers to get together with Alec in a conversation and come to a
> > decision as to what licensing scheme y'all want. I haven't really done
> > much other than cleaning up the packaging and patches and a small

> > bit of
> > additional

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

> > by me.
>
> I am sympathetic. Guys, what do you reckon?
>
> What I am hearing so far is that LGPL makes sense, since it can be
> linked with any code, not just GPL...

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

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

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

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:
> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > > Seems like the ideal thing here would be for you and the other distro
> > > maintainers to get together with Alec in a conversation and come to a
> > > decision as to what licensing scheme y'all want. I haven't really done
> > > much other than cleaning up the packaging and patches and a small
> > > bit of
> > > additional code, so whatever licensing y'all come up with is fine
> > > by me.
> >
> > I am sympathetic. Guys, what do you reckon?
> >
> > What I am hearing so far is that LGPL makes sense, since it can be
> > linked with any code, not just GPL...
>
> My apologies for not chiming in in anything resembling a reasonable
> timeframe.

>

> I'd also suggest the LGPL, for the reason you noted above. Alternately,

> GPLv2 with the option of using
the library under a later version of the

> GPL would permit applications which were released under version 3 of the

> GPL to use the library, too, which would be sufficient for the packages

> which are included in Fedora. FWIW, I'd personally lean toward LGPL.

>

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

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

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18
>> In any case, I thank you both for working on sorting this out.

>

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

> the change now ?

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML
On Sunday 05 October
2008, Alec Muffett wrote:

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

> >

> > looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we

> > make the change now ?

> >

> yes. go for it. thanks++

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

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

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

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

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

From
 alecm@crypticide.com Mon Oct 1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
  Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
  Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
 by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
 by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id l91Gxtpr020623
 for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
 by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
 for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from
 [82.68.43.14] (helo=[192.168.1.3])
 by rutherford.zen.co.uk with esmtp (Exim 4.50)
 id 1IcOcX-0004Qt-6L
 for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFEBE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license

Date: Mon, 1 Oct 2007 17:59:46 +0100

To: Nathan Neulinger <nneul@neulinger.org>

X-Mailer: Apple Mail (2.752.2)

X-Originating-Rutherford-IP: [82.68.43.14]

Return-Path: alecm@crypticide.com

X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]

Status: RO

Content-Length:

 585

Lines: 21

>

> ---------- Forwarded message ----------

> From: Neulinger, Nathan <nneul@umr.edu>

> Date: Sep 27, 2007 2:58 PM

> Subject: RE: cracklib license

> To: alecm@crypto.dircon.co.uk

>

> Any chance you could write me a self-contained email stating clearly

> that the license is being changed to GPL, so I could include that

> email

> in the repository and clean up the repository/tarballs? I have all the

> original discussion, but something succinct and self contained

> would be

> ideal.

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

Happy now? :-)

 -a

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1.69 python-certifi 2024.07.04

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It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
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1.70 ncurses 6.5_p20240601-r0

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1.71 ca-certificates 20240705-r0

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The code contained in this directory was automatically generated using the
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  python -m validate_pyproject.pre_compile --output-dir=setuptools/config/_validate_pyproject --enable-plugins
setuptools distutils --very-verbose

Please avoid changing it manually.

You can report issues or suggest changes directly to `validate-pyproject`
(or to the relevant plugin repository)

- https://github.com/abravalheri/validate-pyproject/issues

***

The following files include code from opensource projects
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- `fastjsonschema_exceptions.py`:
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    (https://github.com/abravalheri/validate-pyproject)

Additionally the following files are automatically generated by tools provided
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-
`__init__.py`
- `fastjsonschema_validations.py`

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***

`fastjsonschema`
================

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1.77 jinja 3.1.4

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1.78 simple launcher 1.1.0.14

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==========================

Python was created in the early 1990s by Guido van Rossum at Stichting
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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
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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
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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				

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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
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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
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3.2	3.1	2010	PSF	yes

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======================

Distutils2 Contributors

======================

The Distutils2 project was started by Tarek Ziad and is currently

maintained by ric Araujo. Many people have contributed to the project.

distlib has started off using some of the code from distutil2.

If you're making a patch, please add your name below in alphabetical order,

and welcome into the Fellowship of the Packaging!

Thanks to:

- Rajiv Abraham

- Ali Afshar

- David Barnett

- Pior Bastida

- Anthony Baxter

- Erik Bray

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- Luis Rojas
- Erik Rose

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- Vinay Sajip
- Victor Stinner
- Alexandre Vassalotti
- Nadeem Vawda
Metadata-Version: 1.0
Name: setuptools
Version: 0.6c9
Summary: Download, build, install, upgrade, and uninstall Python packages -- easily!
Home-page: http://pypi.org/pypi/setuptools
Author: Phillip J. Eby
Author-email: distutils-sig@python.org
License: PSF or ZPL
Description: ==============================
    Installing and Using Setuptools
    ==============================

    .. contents:: **Table of Contents**

    Installation Instructions

    Windows
    =======

    Install setuptools using the provided ``.exe`` installer. If you've previously
    installed older versions of setuptools, please delete all ``setuptools*.egg``
    and ``setuptools.pth`` files from your system's ``site-packages`` directory
    (and any other ``sys.path`` directories) FIRST.

    If you are upgrading a previous version of setuptools that was installed using
    an ``.exe`` installer,
 please be sure to also *uninstall that older version*
    via your system's "Add/Remove Programs" feature, BEFORE installing the newer
    version.

    Once installation is complete, you will find an ``easy_install.exe`` program in
    your Python ``Scripts`` subdirectory. Be sure to add this directory to your
    ``PATH`` environment variable, if you haven't already done so.

    RPM-Based Systems
    =================

    Install setuptools using the provided source RPM. The included ``.spec`` file
    assumes you are installing using the default ``python`` executable, and is not

specific to a particular Python version. The ``easy_install`` executable will
be installed to a system ``bin`` directory such as ``/usr/bin``.

If you wish to install to a location other than the default Python
installation's default ``site-packages`` directory (and ``$prefix/bin`` for
scripts), please use the ``.egg``-based
installation approach described in the
following section.

Cygwin, Mac OS X, Linux, Other
==============================

1. Download the appropriate egg for your version of Python (e.g.
``setuptools-0.6c9-py2.4.egg``). Do NOT rename it.

2. Run it as if it were a shell script, e.g. ``sh setuptools-0.6c9-py2.4.egg``.
Setuptools will install itself using the matching version of Python (e.g.
``python2.4``), and will place the ``easy_install`` executable in the
default location for installing Python scripts (as determined by the
standard distutils configuration files, or by the Python installation).

If you want to install setuptools to somewhere other than ``site-packages`` or
your default distutils installation locations for libraries and scripts, you
may include EasyInstall command-line options such as ``--prefix``,
``--install-dir``, and so on, following the ``.egg`` filename
on the same
command line. For example::

sh setuptools-0.6c9-py2.4.egg --prefix=~

You can use ``--help`` to get a full options list, but we recommend consulting
the `EasyInstall manual`_ for detailed instructions, especially `the section
on custom installation locations`_.

.. _EasyInstall manual: http://peak.telecommunity.com/DevCenter/EasyInstall
.. _the section on custom installation locations: http://peak.telecommunity.com/DevCenter/EasyInstall#custom-
installation-locations

Cygwin Note

If you are trying to install setuptools for the **Windows** version of Python
(as opposed to the Cygwin version that lives in ``/usr/bin``), you must make
sure that an appropriate executable (``python2.3``, ``python2.4``, or
``python2.5``) is on your **Cygwin** ``PATH`` when invoking the egg. For
example, doing the following at a Cygwin bash prompt will install setuptools

for the **Windows** Python found at ``C:\\Python24``::

ln -s /cygdrive/c/Python24/python.exe python2.4
PATH=.:$PATH sh setuptools-0.6c9-py2.4.egg
rm python2.4

Downloads
=========

All setuptools downloads can be found at `the project's home page in the Python
Package Index`_. Scroll to the very bottom of the page to find the links.

.. _the project's home page in the Python Package Index: http://pypi.org/pypi/setuptools

In addition to the PyPI downloads, the development version of ``setuptools``
is available from the `Python SVN sandbox`_, and in-development versions of the
`0.6 branch`_ are available as well.

.. _0.6 branch: http://svn.python.org/projects/sandbox/branches/setuptools-0.6/#egg=setuptools-dev06

.. _Python SVN sandbox: http://svn.python.org/projects/sandbox/trunk/setuptools/#egg=setuptools-dev

----
Using
Setuptools and EasyInstall

Here are some of the available manuals, tutorials, and other resources for
learning about Setuptools, Python Eggs, and EasyInstall:

* `The EasyInstall user's guide and reference manual`_
* `The setuptools Developer's Guide`_
* `The pkg_resources API reference`_
* `Package Compatibility Notes`_ (user-maintained)
* `The Internal Structure of Python Eggs`_

Questions, comments, and bug reports should be directed to the `distutils-sig
mailing list`_. If you have written (or know of) any tutorials, documentation,
plug-ins, or other resources for setuptools users, please let us know about
them there, so this reference list can be updated. If you have working,
tested patches to correct problems or add features, you may submit them to
the `setuptools bug tracker`_.

.. _setuptools bug tracker: http://bugs.python.org/setuptools/
 .. _Package Compatibility Notes: http://peak.telecommunity.com/DevCenter/PackageNotes
.. _The Internal Structure of Python Eggs: http://peak.telecommunity.com/DevCenter/EggFormats
.. _The setuptools Developer's Guide: http://peak.telecommunity.com/DevCenter/setuptools

.. _The pkg_resources API reference: http://peak.telecommunity.com/DevCenter/PkgResources

.. _The EasyInstall user's guide and reference manual: http://peak.telecommunity.com/DevCenter/EasyInstall

.. _distutils-sig mailing list: http://mail.python.org/pipermail/distutils-sig/

Credits
----

* The original design for the ``.egg`` format and the ``pkg_resources`` API was
co-created by Phillip Eby and Bob Ippolito. Bob also implemented the first
version of ``pkg_resources``, and supplied the OS X operating system version
compatibility algorithm.

* Ian Bicking implemented many early "creature
comfort" features of
easy_install, including support for downloading via Sourceforge and
Subversion repositories. Ian's comments on the Web-SIG about WSGI
application deployment also inspired the concept of "entry points" in eggs,
and he has given talks at PyCon and elsewhere to inform and educate the
community about eggs and setuptools.

* Jim Fulton contributed time and effort to build automated tests of various
aspects of ``easy_install``, and supplied the doctests for the command-line
``.exe`` wrappers on Windows.

* Phillip J. Eby is the principal author and maintainer of setuptools, and
first proposed the idea of an importable binary distribution format for
Python application plug-ins.

* Significant parts of the implementation of setuptools were funded by the Open
Source Applications Foundation, to provide a plug-in infrastructure for the
Chandler PIM application.
In addition, many OSAF staffers (such as Mike
"Code Bear" Taylor) contributed their time and stress as guinea pigs for the
use of eggs and setuptools, even before eggs were "cool". (Thanks, guys!)

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1.80 python-pip 24.2

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A. HISTORY OF THE SOFTWARE
==========================

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

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

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope
Corporation, see http://www.zope.com). In 2001, the Python Software
Foundation (PSF, see http://www.python.org/psf/) was formed, a
non-profit organization created specifically to own Python-related
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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
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2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
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2.4.1	2.4	2005	PSF	yes
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2.5	2.4	2006	PSF	yes
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see https://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 https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

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

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

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Thanks to the many outside volunteers who have worked under Guido's
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https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt

It contains the certificates in PEM format and therefore

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1.81 annotated-types 0.7.0

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1.82 typing-extensions 4.12.2

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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

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

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| Field | Entry |
|------------------------------
 | -------------------- |
| Name | Sren Lind Kristiansen |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 24 November 2017 |
| GitHub username | sorenlind |
| Website (optional) | |
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| Name | Hugo van Kemenade |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 26 November 2017 |
| GitHub username | hugovk |
| Website (optional) | |
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Field	Entry

| |
Name	Cristiana S Parada
Company name (if applicable)	
Title or role (if applicable)	
Date	2020-11-04
GitHub username	cristianasp
Website (optional)	

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Contributor Details

Field	Entry
Name	Pavle Vidanovi
Company name (if applicable)	-
Title or role (if applicable)	-
Date	August 4, 2019
GitHub username	Pavle992
Website (optional)	-

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 | -------------------- |
| Name | John Haley |
| Company name (if applicable) | | |
| Title or role (if applicable) | | |
| Date | 19/10/2017 |
| GitHub username | johnhaley81 | |
| Website (optional) | | |
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Field	Entry
Name	Elena Fano
Company name (if applicable)	

Title or role (if applicable)		
Date	2020-09-21	
GitHub username	Nuccy90	
Website (optional)		

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Field	Entry
Name	David Weling
Company name (if applicable)	
Title or role (if applicable)	
Date	27.09.19
GitHub username	EarlGreyT
Website (optional)	

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Contributor Details

Field	Entry
Name	Henry Zhang
Company name (if applicable)	
Title or role (if applicable)	
Date	2019-04-30
GitHub username	henry860916
Website (optional)	
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Field	Entry
Name	James Messinger
Company name (if applicable)	
Title or role (if applicable)	
Date	May 23, 2018
GitHub username	BigstickCarpet

| Website (optional) | | |
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Contributor Details

Field	Entry
Name	Piero Molino
Company name (if applicable)	Uber
Title or role (if applicable)	Sr. Research Scientist
Date	06 - 04 - 2019
GitHub username	w4nderlust
Website (optional)	http://w4nderlu.st

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| Field | Entry |
|------------------------------
 | ---------------------- |
| Name | Emil Stenstrm |
| Company name (if applicable) | - |
| Title or role (if applicable) | - |
| Date | 2018-07-28 |
| GitHub username | EmilStenstrom |
| Website (optional) | https://friendlybit.com |
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Contributor Details

Field	Entry
Name	Sebastin Ramrez
Company name (if applicable)	
Title or role (if applicable)	
Date	2020-07-01
GitHub username	tiangolo
Website (optional)	

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Contributor Details

Field	Entry
Name	Mark Ulrich
Company name (if applicable)	
Title or role (if applicable)	Machine Learning Engineer
Date	22 November 2017
GitHub username	markulrich
Website (optional)	

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Contributor Details

Field	Entry
Name	Ramesh Pathak
Company name (if applicable)	Diyo AI
Title or role (if applicable)	AI Engineer
Date	June 21, 2020
GitHub username	rameshhpathak
Website (optional)	rameshhpathak.github.io

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| Field | Entry |
|-------------------------------
 | -------------------- |
| Name | Sainath Adapa |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 2018-09-06 |
| GitHub username | sainathadapa |
| Website (optional) | |
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Contributor Details

Field	Entry
Name	Luigi Coniglio
Company name (if applicable)	
Title or role (if applicable)	
Date	10/01/2021
GitHub username	werew
Website (optional)	

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Field	Entry
Name	Nattapol
Company name (if applicable)	
Title or role (if applicable)	
Date	18.04.2019
GitHub username	Dobita21
Website (optional)	

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Field	Entry
Name	Johannes Valbjrn
Company name (if applicable)	
Title or role (if applicable)	
Date	2020-03-13
GitHub username	sloev
Website (optional)	https://sloev.github.io

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| -------------------- |

| Name | Kamolsit Mongkolsrisawat |

| Company name (if applicable) | Mojito |

| Title or role (if applicable) | |

| Date | 02-4-2019 |

| GitHub username | socool |

| Website (optional) | |

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Field	Entry
Name	Jaydeep Borkar
Company name (if applicable)	Pune University, India
Title or role (if applicable)	CS Undergrad
Date	9/26/2019
GitHub username	jaydeepborkar
Website (optional)	http://jaydeepborkar.github.io

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Contributor Details

Field	Entry
Name	Joshua B. Smith
Company name (if applicable)	
Title or role (if applicable)	
Date	July 7, 2019
GitHub username	kognate
Website (optional)	

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Field	Entry
Name	Steele Farnsworth
Company name (if applicable)	
Title or role (if applicable)	
Date	13 August, 2021
GitHub username	swfarnsworth
Website (optional)	

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Field	Entry
Name	Attila Szsz
Company name (if applicable)	
Title or role (if applicable)	
Date	12 Aug 2020
GitHub username	tilusnet
Website (optional)	

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Contributor Details

Field	Entry
Name	Alan Chan
Company name (if applicable‵)	
Title or role (if applicable)	
Date	2020-03-15
GitHub username	pinealan
Website (optional)	http://pinealan.xyz

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Contributor Details

Field	Entry
Name	Gregory Werner
Company name (if applicable)		
Title or role (if applicable)		
Date	5/29/2019	
GitHub username	demongolem	
Website (optional)		

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Field	Entry
Name	Nirant Kasliwal
Company name (if applicable)	
Title or role (if applicable)	
Date	
GitHub username	NirantK
Website (optional)	https://nirantk.com
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Contributor Details

Field	Entry
Name	Rokas Ramanauskas
Company name (if applicable)	TokenMill
Title or role (if applicable)	Software Engineer
Date	2019-07-02
GitHub username	rokasramas
Website (optional)	http://www.tokenmill.lt
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Field	Entry

Name	Kenneth Enevoldsen
Company name (if applicable)	
Title or role (if applicable)	
Date	2021-07-13
GitHub username	KennethEnevoldsen
Website (optional)	www.kennethenevoldsen.com
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| Field | Entry |
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Name	Aki Ariga
Company name (if applicable)	
Title or role (if applicable)	
Date	07/12/2018
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Website (optional)	chezo.uno

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Contributor Details

Field	Entry
Name	Meghana Bhange
Company name (if applicable)	Verloop.io
Title or role (if applicable)	ML Engineer
Date	2020-04-21
GitHub username	meghanbhange
Website (optional)	https://meghana.blog

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Contributor Details

| Field | Entry |
|------------------------------
 | ------------------- |
| Name | Filipe Caixeta |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 09.12.2018 |
| GitHub username | filipecaixeta |
| Website (optional) | filipecaixeta.com.br |
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Contributor Details

| Field | Entry |
|------------------------------
 |----------------------- |
| Name | Punit Vara |
| Company name (if applicable) | |

Title or role (if applicable)		
Date	2020-04-26	
GitHub username	punitvara	
Website (optional)	https://punitvara.com	

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Field	Entry
Name	Ranty Baptiste
Company name (if applicable)	
Title or role (if applicable)	
Date	11/06/2019
GitHub username	Azagh3l
Website (optional)	

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Field	Entry
Name	Kristofer Berggren
Company name (if applicable)	-
Title or role (if applicable)	-
Date	2017-12-17
GitHub username	d99kris
Website (optional)	-
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Contributor Details

Field	Entry
Name	Sabine Laszakovits
Company name (if applicable)	Austrian Academy of Sciences
Title or role (if applicable)	Data analyst
Date	2020-04-16
GitHub username	laszabine

| Website (optional) | https://sabine.laszakovits.net |
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Field	Entry
Name	Pamphile Roy
Company name (if applicable)	N/A
Title or role (if applicable)	N/A
Date	January 29th, 2021
GitHub username	tupui
Website (optional)	N/A
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| Field | Entry |
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 | ------------------- |
| Name | Mateusz Tybura |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 08.09.2018 |
| GitHub username | tyburam |
| Website (optional) | |
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Field	Entry
Name	Keshan Sodimana
Company name (if applicable)	
Title or role (if applicable)	
Date	Sep 21, 2018
GitHub username	keshan
Website (optional)	

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Field	Entry
Name	Rahul Gupta
Company name (if applicable)	
Title or role (if applicable)	
Date	28 July 2020
GitHub username	rahul1990gupta
Website (optional)	

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| Field | Entry |
|-------------------------------
 | --------------------|
| Name | Vadim Mazaev |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 26 November 2017 |
| GitHub username | GreenRiverRUS |
| Website (optional) | |
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Field	Entry
Name	Anastasiia Iurshina
Company name (if applicable)	
Title or role (if applicable)	
Date	28.12.2019
GitHub username	iurshina
Website (optional)	
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Field	Entry
Name	Alec Chapman
Company name (if applicable)	
Title or role (if applicable)	
Date	7/17/2020
GitHub username	abchapman93
Website (optional)	

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Contributor Details

Field	Entry
Name	Lyndon White
Company name (if applicable)	
Title or role (if applicable)	
Date	9/2/2018
GitHub username	oxinabox
Website (optional)	white.ucc.asn.au

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Contributor Details

Field	Entry
Name	Arvind Srinivasan
Company name (if applicable)	
Title or role (if applicable)	
Date	2020-06-13
GitHub username	arvindcheenu
Website (optional)	
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| ------------------------------ |
Name	Rob van Nieuwpoort
Signing on behalf of	Dafne van Kuppevelt, Janneke van der Zwaan, Willem van Hage
Company name (if applicable)	Netherlands eScience center
Title or role (if applicable)	Director of technology
Date	14-12-2016
GitHub username	RvanNieuwpoort
Website (optional)	https://www.esciencecenter.nl/

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 | ---------------------- |
| Name | Philipp Sodmann |
| Company name (if applicable) | Empolis |
| Title or role (if applicable) | |
| Date | 2017-05-06 |
| GitHub username | theudas |
| Website (optional) | |
spaCy contributor agreement

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The SCA applies to any contribution that you make to any product or project
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If you agree to be bound by these terms, fill in the information requested
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  * you agree that each of us can do all things in relation to your contribution as if each of us were the sole
 owners, and if one of us makes
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Contributor Details

Field	Entry
Name	Igor Igamberdiev
Company name (if applicable)	
Title or role (if applicable)	
Date	April 2, 2019
GitHub username	ivigamberdiev
Website (optional)	
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| Field | Entry |
|------------------------------

```
| ---------------------|
| Name                  | Bram Vanroy         |
| Company name (if applicable)   |                |
| Title or role (if applicable)  |               |
| Date                  | October 19, 2018    |
| GitHub username       | BramVanroy          |
| Website (optional)    | https://bramvanroy.be |
```
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Contributor Details

Field	Entry
Name	Sean Lfgren
Company name (if applicable)	
Title or role (if applicable)	
Date	2019-09-17
GitHub username	seanBE
Website (optional)	http://seanbe.github.io

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Contributor Details

| Field | Entry |
|------------------------------
| --------------------------- |
| Name | Gustavo Zadrozny Leyendecker |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | July 29, 2020 |
| GitHub username | leyendecker |
| Website (optional) | |

Syllogism contributor agreement

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Field	Entry
Name	J Nicolas Schrading
Company's name (if applicable)	
Title or Role (if applicable)	
Date	2015-08-24
GitHub username	NSchrading
Website (optional)	nicschrading.com
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Field	Entry
Name	Jeroen Bobbeldijk
Company name (if applicable)	
Title or role (if applicable)	
Date	22-10-2017
GitHub username	jerbob92
Website (optional)	

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Contributor Details

Field	Entry
Name	Peter Baumann
Company name (if applicable)	Exos Financial
Title or role (if applicable)	data scientist
Date	Feb 1st, 2021
GitHub username	peter-exos
Website (optional)	

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Contributor Details

Field	Entry
Name	Jordan Suchow
Company's name (if applicable)	
Title or Role (if applicable)	
Date	2015-04-19
GitHub username	suchow
Website (optional)	http://suchow.io
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Contributor Details

Field	Entry
Name	Aniruddha Adhikary
Company name (if applicable)	
Title or role (if applicable)	
Date	2018-09-05
GitHub username	aniruddha-adhikary
Website (optional)	https://adhikary.net

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Contributor Details

Field	Entry
Name	Jacobo Myerston
Company name (if applicable)	University of California, San Diego
Title or role (if applicable)	Academic
Date	07/05/2021
GitHub username	jmyerston
Website (optional)	diogenet.ucsd.edu

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Field	Entry
Name	Bharat Raghunathan
Company name (if applicable)	
Title or role (if applicable)	
Date	19 - 03 - 2019
GitHub username	Bharat123rox
Website (optional)	

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Field Entry
Name Veer Bains
Company name (if applicable)
Title or role (if applicable)
Date 2010-08-05
GitHub username veer-bains
Website (optional)
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Field	Entry
Name	Raf Guns
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Title or role (if applicable)	
Date	2020-12-09
GitHub username	rafguns
Website (optional)	
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Contributor Details

Field	Entry
Name	Nipun Sadvilkar
Company name (if applicable)	
Title or role (if applicable)	
Date	31st May, 2019
GitHub username	nipunsadvilkar
Website (optional)	https://nipunsadvilkar.github.io/

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Contributor Details

| Field | Entry |
|-------------------------------
 | -------------------- |
| Name | Bjrn Lennartsson |
| Company name (if applicable) | Uptrail AB |
| Title or role (if applicable) | CTO |
| Date | 2019-01-15 |
| GitHub username | boena |
| Website (optional) | www.uptrail.com |
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Contributor Details

Field	Entry
Name	Julien Rossi
Company name (if applicable)	TalkAir BV
Title or role (if applicable)	CTO, Partner
Date	June 28 2021
GitHub username	julien-talkair
Website (optional)	
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Contributor Details

Field	Entry
Name	Kevin Lu
Company name (if applicable)	
Title or role (if applicable)	Student
Date	
GitHub username	kevinlu1248
Website (optional)	

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Contributor Details

Field	Entry
Name	Nicolai Bjerre Pedersen
Company name (if applicable)	
Title or role (if applicable)	
Date	2019-12-06
GitHub username	mr_bjerre
Website (optional)	

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| -------------------- |
Name	Charles-Axel Dein
Company name (if applicable)	Skrib
Title or role (if applicable)	CEO
Date	27/09/2018
GitHub username	charlax
Website (optional)	www.dein.fr

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Contributor Details

Field	Entry
Name	Jens Dahl Mollerhoj
Company name (if applicable)	
Title or role (if applicable)	
Date	4/04/2018
GitHub username	mollerhoj
Website (optional)	

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Contributor Details

Field	Entry
Name	Bruno Souza Cabral
Company name (if applicable)	
Title or role (if applicable)	
Date	24/12/2020
GitHub username	bratao
Website (optional)	

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Field	Entry
Name	Nikhil Saldanha
Company name (if applicable)	

Title or role (if applicable)		
Date	2020-03-17	
GitHub username	nikhilsaldanha	
Website (optional)		

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Field	Entry
Name	Piotr Ksiek
Company name (if applicable)	
Title or role (if applicable)	
Date	22.11.2018
GitHub username	DoomCoder
Website (optional)	

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Contributor Details

| Field | Entry |
|------------------------------
 | ----------------------- |
| Name | Muhammad Irfan |
| Company name (if applicable) | |
| Title or role (if applicable) | AI & ML Developer |
| Date | 2018-09-06 |
| GitHub username | mirfan899 |
| Website (optional) | |
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Contributor Details

Field	Entry
Name	Brad Jascob
Company name (if applicable)	n/a
Title or role (if applicable)	Software Engineer
Date	04/25/2019
GitHub username	bjascob

| Website (optional) | n/a |

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| Name | Aashish Gangwani |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 7/08/2018 |
| GitHub username | aashishg |
| Website (optional) | |
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Name	Himanshu Garg
Company name (if applicable)	
Title or role (if applicable)	
Date	2020-03-10
GitHub username	merrcury
Website (optional)	
spaCy contributor agreement

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Contributor Details

| Field | Entry |
|------------------------------
 | ------------------- |
| Name | Martino Mensio |
| Company name (if applicable) | The Open University |
| Title or role (if applicable) | PhD Student |
| Date | 17 November 2017 |
| GitHub username | MartinoMensio |
| Website (optional) | https://martinomensio.github.io/ |
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actual authority to contractually bind that entity.

Contributor Details

Field	Entry
Name	Willis Monroe
Company name (if applicable)	
Title or role (if applicable)	
Date	2018-3-5
GitHub username	willismonroe
Website (optional)	

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Contributor Details

Field	Entry
Name	Patrick Hogan
Company name (if applicable)		
Title or role (if applicable)		
Date	7/7/2019
GitHub username	askhogan@gmail.com
Website (optional)		
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Contributor Details

| Field | Entry |
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 | ---------------------- |
| Name | Breno Faria |
| Company name (if applicable) | IntraFind |
| Title or role (if applicable) | Product Lead |
| Date | 03.06.2019 |
| GitHub username | intrafindBreno |
| Website (optional) | |
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Field	Entry
Name	Abhinav Sharma
Company name (if applicable)	Fourtek I.T. Solutions Pvt. Ltd.
Title or role (if applicable)	Machine Learning Engineer
Date	3 November 2017
GitHub username	abhi18av
Website (optional)	https://abhi18av.github.io/

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| Field | Entry |
|------------------------------
 | ------------------- |
| Name | Calum Calder |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 22 March 2018 |
| GitHub username | calumcalder |
| Website (optional) | |

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 actual authority to contractually bind that entity.

Contributor Details

Field	Entry
Name	Rene Octavio Q. Dias
Company name (if applicable)	
Title or role (if applicable)	
Date	2020-02-03
GitHub username	reneoctavio
Website (optional)	
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| -------------------- |
Name	Sofie Van Landeghem
Company name (if applicable)	
Title or role (if applicable)	
Date	29 Nov 2018
GitHub username	svlandeg
Website (optional)	

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| Field | Entry |
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 | -------------------- |
| Name | Keshav Garg |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | Jan 22, 2021 |
| GitHub username | KeshavG-lb |
| Website (optional) | |
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| Field | Entry |
|------------------------------
 | -------------------- |
| Name | Maciej Szumowski |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 30.05.2018 |
| GitHub username | mpszumowski |
| Website (optional) | |
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Contributor Details

Field	Entry
Name	Jones Martins
Company name (if applicable)	

Title or role (if applicable)		
Date	2020-06-10	
GitHub username	jonesmartins	
Website (optional)		

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 | -------------------- |
| Name | Motoki Wu |
| Company name (if applicable) | WriteLab |
| Title or role (if applicable) | NLP / Deep Learning Engineer |
| Date | 17 November 2017 |
| GitHub username | tokestermw |
| Website (optional) | https://twitter.com/plusepsilon |

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Contributor Details

Field	Entry
Name	Ivan ari
Company name (if applicable)	
Title or role (if applicable)	
Date	18.08.2019.
GitHub username	isaric
Website (optional)	
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| Field | Entry |
|------------------------------
| ------------------- |
| Name | Viet-Trung Tran |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 2018-03-28 |
| GitHub username | trungtv |

| Website (optional) | https://datalab.vn |
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Contributor Details

Field	Entry
Name	Ben Taylor
Company name (if applicable)	
Title or role (if applicable)	
Date	October 2, 2019
GitHub username	bintay
Website (optional)	bentaylor.xyz

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| Field | Entry |
|------------------------------
 | -------------------- |
| Name | Kim Falk |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 19 December 2017 |
| GitHub username | kimfalk |
| Website (optional) | |
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Contributor Details

Field	Entry
Name	Jan Jessewitsch
Company name (if applicable)	
Title or role (if applicable)	
Date	16.02.2020
GitHub username	Jan-711
Website (optional)	

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Field	Entry
Name	Gaurav Sahu
Company name (if applicable)	
Title or role (if applicable)	
Date	2017-10-18
GitHub username	demfier
Website (optional)	

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Contributor Details

Field	Entry
Name	Mario ako
Company name (if applicable)	TakeLab FER
Title or role (if applicable)	R&D Intern
Date	2021-07-12
GitHub username	mariosasko
Website (optional)	
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Field	Entry
Name	lvaro Abella
Company name (if applicable)	IOMED
Title or role (if applicable)	CSO
Date	21/12/2018
GitHub username	alvaroabascar
Website (optional)	
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Field	Entry
Name	Maxim Kupfer
Company name (if applicable)	
Title or role (if applicable)	
Date	Sep 6, 2018
GitHub username	mbkupfer
Website (optional)	

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Contributor Details

Field	Entry
Name	Janis Klaise
Company name (if applicable)	
Title or role (if applicable)	
Date	26/04/2021
GitHub username	jklaise
Website (optional)	janisklaise.com
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Field	Entry
Name	Priscilla Lopes
Company name (if applicable)	
Title or role (if applicable)	
Date	2019-11-06
GitHub username	prilopes
Website (optional)	

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Field	Entry

```
|                         |                      |
| Name                    | Stanislav Schmidt    |
| Company name (if applicable)  | Blue Brain Project   |
| Title or role (if applicable) | ML Engineer          |
| Date                    | 2020-10-02           |
| GitHub username         | Stannislav           |
| Website (optional)      |                      |
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Contributor Details

Field	Entry
Name	Cory Hurst
Company name (if applicable)	Samtec Smart Platform Group
Title or role (if applicable)	SoftwareDeveloper
Date	2017-11-13
GitHub username	cjhurst
Website (optional)	https://blog.spg.ai/

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Contributor Details

| Field | Entry |
|------------------------------
 | ------------------- |
| Name | Pedro Silva |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 2018-01-11 |
| GitHub username | pbnsilva |
| Website (optional) | |

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  * you agree that we may register a copyright in your contribution and exercise all ownership rights associated with it; and

  * you agree that neither of us has any duty to consult with, obtain the consent of, pay or render an accounting to the other for any use or distribution of your contribution.

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Contributor Details

Field	Entry
Name	Matt Maybeno
Company name (if applicable)	

Title or role (if applicable)	
Date	2019-11-19
GitHub username	mmaybeno
Website (optional)	

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Contributor Details

Field	Entry
Name	Xiang Ji
Company name (if applicable)	
Title or role (if applicable)	
Date	07 July 2018
GitHub username	x-ji
Website (optional)	

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| Field | Entry |
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 | -------------------- |
| Name | Ziming He |
| Company name (if applicable) | Georgia Tech |
| Title or role (if applicable) | Student |
| Date | 2019-07-24 |
| GitHub username | RyanZHe |
| Website (optional) | www.papermachine.me |
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Contributor Details

Field	Entry
Name	Valentin-Gabriel Soumah
Company name (if applicable)	
Title or role (if applicable)	
Date	2021-11-23
GitHub username	Pantalaymon

| Website (optional) | | |

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Contributor Details

| Field | Entry |
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 | -------------------- |
| Name | Pouyt Samuel |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 26.05.2018 |
| GitHub username | Idealley |
| Website (optional) | |

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| Field | Entry |
|------------------------------
 | ------------------- |
| Name | Jason Xu |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 2018-11-29 |
| GitHub username | wxv |
| Website (optional) | |
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Contributor Details

Field	Entry
Name	Ronnie Gonzalez
Company name (if applicable)	
Title or role (if applicable)	
Date	17.04.2018
GitHub username	therealronnie
Website (optional)	
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Contributor Details

Field	Entry
Name	Christoph Purschke
Company name (if applicable)	University of Luxembourg
Title or role (if applicable)	
Date	14/11/2019
GitHub username	questoph
Website (optional)	https://purschke.info

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Field	Entry
Name	Neel Kamath
Company name (if applicable)	
Title or role (if applicable)	
Date	October 30, 2019
GitHub username	neelkamath
Website (optional)	https://neelkamath.com

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Field	Entry
Name	Peter Gilles
Company name (if applicable)	
Title or role (if applicable)	
Date	10.10.
GitHub username	Peter Gilles
Website (optional)	

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Field	Entry
Name	Katrin Leinweber
Company name (if applicable)	
Title or role (if applicable)	
Date	2018-03-30
GitHub username	katrinleinweber
Website (optional)	

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| Field | Entry |
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 | ------------------------------ |
| Name | Michael Wallin |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 2017-02-04 |
| GitHub username | wallinm1 |
| Website (optional) | |
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| Field | Entry |
|------------------------------
 | -------------------- |
| Name | Ines Montani |
| Company name (if applicable) | Explosion AI |
| Title or role (if applicable) | Founder |
| Date | 2017/10/18 |
| GitHub username | ines |
| Website (optional) | https://explosion.ai |
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| Field | Entry |

| ---------------------------- | ------------ |
Name	Hunter Kelly
Company name (if applicable)	
Title or role (if applicable)	
Date	2019-01-10
GitHub username	retnuh
Website (optional)	

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Contributor Details

Field	Entry
Name	Amaury Fouret
Company name (if applicable)	
Title or role (if applicable)	
Date	05/08/2018
GitHub username	mauryaland
Website (optional)	
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| Field | Entry |
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 | ------------------- |
| Name |Krzysztof Kowalczyk |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date |22.11.2018 |
| GitHub username |kowaalczyk |
| Website (optional) |kowaalczyk.pl |
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| Field | Entry |
|------------------------------
| ------------------- |
| Name | Robertus Johansyah |
| Company name (if applicable) | |

Title or role (if applicable)	
Date	2018/07/19
GitHub username	kororo
Website (optional)	https://kororo.co

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Contributor Details

Field	Entry
Name	Borijan Georgievski
Company name (if applicable)	Netcetera
Title or role (if applicable)	Deta Scientist
Date	2020.10.09
GitHub username	borijang
Website (optional)	

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Field	Entry

Name	Lasse Hansen
Company name (if applicable)	
Title or role (if applicable)	
Date	2021-08-11
GitHub username	HLasse
Website (optional)	www.lassehansen.me
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Contributor Details

Field	Entry
Name	Sabique Ahammed Lava
Company name (if applicable)	QBurst
Title or role (if applicable)	Senior Engineer
Date	24 Apr 2020
GitHub username	sabiqueqb

| Website (optional) | | |
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Field	Entry
Name	Antti Ajanki
Company name (if applicable)	
Title or role (if applicable)	
Date	2019-11-30
GitHub username	aajanki
Website (optional)	
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Contributor Details

Field	Entry
Name	Matthew Chin
Company name (if applicable)	
Title or role (if applicable)	
Date	2020-09-22
GitHub username	delzac
Website (optional)	

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Contributor Details

Field	Entry
Name	George Ketsopoulos
Company name (if applicable)	
Title or role (if applicable)	
Date	23 October 2019
GitHub username	GiorgioPorgio
Website (optional)	

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Contributor Details

Field	Entry
Name	Tahar Zanouda
Company name (if applicable)	
Title or role (if applicable)	
Date	09-05-2018
GitHub username	tzano
Website (optional)	

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Field	Entry
Name	Al Johri
Company name (if applicable)	N/A
Title or role (if applicable)	N/A
Date	December 27th, 2019
GitHub username	AlJohri
Website (optional)	http://aljohri.com/
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| Date | 15.04.2019 |
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Field	Entry
Name	Leif Uwe Vogelsang
Company name (if applicable)	
Title or role (if applicable)	
Date	4/27/2017
GitHub username	luvogels
Website (optional)	

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Contributor Details

Field	Entry
Name	Richard Paul Hudson
Company name (if applicable)	msg systems ag
Title or role (if applicable)	Principal IT Consultant
Date	06. May 2019
GitHub username	richardpaulhudson
Website (optional)	
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 | -------------------- |
| Name | Francisco Aranda |
| Company name (if applicable) | recognai |
| Title or role (if applicable) | |
| Date | |
| GitHub username | frascuchon |
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Field	Entry

|

Name	Walter Henry
Company name (if applicable)	ExplosionAI GmbH
Title or role (if applicable)	Executive Assistant
Date	September 14, 2020
GitHub username	walterhenry
Website (optional)	

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Field	Entry
Name	Leonardo M. Rocha
Company name (if applicable)	
Title or role (if applicable)	Eng.
Date	31/05/2020
GitHub username	leomrocha
Website (optional)	
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Field	Entry
Name	Guillaume Claret
Company name (if applicable)	
Title or role (if applicable)	
Date	June 19, 2019
GitHub username	clarus
Website (optional)	guillaume.claret.me
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  actual authority to contractually bind that entity.

Contributor Details

Field	Entry
Name	Shikhar Chauhan
Company name (if applicable)	

Title or role (if applicable)	
Date	12/11/2019
GitHub username	xssChauhan
Website (optional)	

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Contributor Details

| Field | Entry |
|------------------------------
 | -------------------- |
| Name | Marina Lysyuk |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 13.10.2018 |
| GitHub username | Cinnamy |
| Website (optional) | |

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Contributor Details

| Field | Entry |
|------------------------------
 | -------------------- |
| Name | Brian Williams |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 12/11/2017 |
| GitHub username | Bri-Will |
| Website (optional) | |
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Field	Entry
Name	Liling
Company name (if applicable)	
Title or role (if applicable)	
Date	04 Jan 2019
GitHub username	alvations

| Website (optional) | | |
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Contributor Details

Field	Entry
Name	Karen Hambardzumyan
Company name (if applicable)	YerevaNN
Title or role (if applicable)	Researcher
Date	2020-06-19
GitHub username	mahnerak
Website (optional)	https://mahnerak.com/

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Contributor Details

| Field | Entry |
|------------------------------
 | -------------------- |
| Name | Brixter John Lumabi |
| Company name (if applicable) | Stratpoint |
| Title or role (if applicable) | Software Developer |
| Date | 18 December 2018 |
| GitHub username | Brixjohn |
| Website (optional) | |

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Contributor Details

Field	Entry
Name	Michael Liberman
Company name (if applicable)	
Title or role (if applicable)	
Date	2018-11-08
GitHub username	mikelibg
Website (optional)	
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Contributor Details

Field	Entry
Name	Andrew Ongko
Company name (if applicable)	Kurio
Title or role (if applicable)	Senior Data Science
Date	Sep 10, 2018
GitHub username	aongko
Website (optional)	

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Field	Entry
Name	A.I.M.
Company name (if applicable)		
Title or role (if applicable)	
Date	16.04.2019
GitHub username	fizban99	
Website (optional)		

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Contributor Details

Field	Entry
Name	Xiepeng Li
Company name (if applicable)	
Title or role (if applicable)	
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GitHub username	phiedulxp
Website (optional)	
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Contributor Details

Field	Entry
Name	Hiroshi Matsuda
Company name (if applicable)	Megagon Labs, Tokyo
Title or role (if applicable)	Research Scientist
Date	June 6, 2020
GitHub username	hiroshi-matsuda-rit
Website (optional)	

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Field	Entry
Name	Andrei-Marius Avram
Company name (if applicable)	
Title or role (if applicable)	
Date	20/08/2019
GitHub username	avramandrei
Website (optional)	
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Commit: 8a2d22222dec5cf910df5a378cbcd9ea2ab53ec4. It was therefore moved over manually. -->

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Field	Entry
Name	Shuvanon Razik
Company name (if applicable)	
Title or role (if applicable)	
Date	3/12/2017
GitHub username	shuvanon
Website (optional)	
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Field	Entry
Name	Olamilekan Wahab
Company name (if applicable)	
Title or role (if applicable)	
Date	8/11/2019
GitHub username	Olamyy
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Contributor Details

| Field | Entry |
|------------------------------
 | -------------------- |
| Name | Jo |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 2018-01-26 |
| GitHub username | PolyglotOpenstreetmap|
| Website (optional) | |
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| Field | Entry |
|------------------------------
 | -------------------- |
| Name | Ulrich Wolffgang |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 2017-11-05 |
| GitHub username | uwol |
| Website (optional) | https://uwol.github.io/ |
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| ----------------------- |
Name	Nour Shalabi
Company name (if applicable)		
Title or role (if applicable)		
Date	2018-06-07	
GitHub username	NourShalabi	
Website (optional)		

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Contributor Details

Field	Entry
Name	Przemysaw Hojnacki
Company name (if applicable)	
Title or role (if applicable)	
Date	12/09/2018
GitHub username	phojnacki
Website (optional)	https://about.me/przemyslaw.hojnacki

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Contributor Details

Field	Entry
Name	Josiah Solomon
Company name (if applicable)	
Title or role (if applicable)	
Date	2020-12-15
GitHub username	yosiasz
Website (optional)	

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| Field | Entry |
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| -------------------- |
| Name | Kenneth Cruz |
| Company name (if applicable) | |

Title or role (if applicable)		
Date	2018-12-07	
GitHub username	clippered	
Website (optional)		

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which your contribution was submitted, and

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actual authority to contractually bind that entity.

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| Field | Entry |
|------------------------------
| -------------------- |
| Name | Loghi Perinpanayagam |
| Company name (if applicable) | |
| Title or role (if applicable) | Student |
| Date | 13 Jan, 2019 |
| GitHub username | loghijiaha |
| Website (optional) | |

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| Field | Entry |
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 | -------------------- |
| Name | Tim Metzler |
| Company name (if applicable) | University of Applied Sciences Bonn-Rhein-Sieg |
| Title or role (if applicable) | |
| Date | 03/10/2019 |
| GitHub username | tmetzl |
| Website (optional) | |
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| Field | Entry |
|------------------------------
 | ----------------------- |
| Name | Ilia Ivanov |
| Company name (if applicable) | Chattermill |
| Title or role (if applicable) | DL Engineer |
| Date | 2020-05-14 |
| GitHub username | ilivans |

| Website (optional) | | |

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Field	Entry
Name	Jacob Lauritzen
Company name (if applicable)	
Title or role (if applicable)	
Date	2020-03-30
GitHub username	jacse
Website (optional)	
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| Field | Entry |
|------------------------------
| -------------------- |
| Name | Laura Baakman |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | February 7, 2019 |
| GitHub username | lauraBaakman |
| Website (optional) | |
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Field	Entry
Name	Thomas Thiebaud
Company name (if applicable)	
Title or role (if applicable)	
Date	2020-04-07
GitHub username	thomasthiebaud
Website (optional)	

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Field	Entry
Name	Andrew J Rader
Company name (if applicable)	
Title or role (if applicable)	
Date	August 14, 2019
GitHub username	ajrader
Website (optional)	

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Contributor Details

Field	Entry
Name	Darin DeForest
Company name (if applicable)	Ipro Tech
Title or role (if applicable)	Senior Software Engineer
Date	2018-09-26
GitHub username	darindf
Website (optional)	

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Contributor Details

Field	Entry
Name	Eduard Zorita
Company name (if applicable)	
Title or role (if applicable)	
Date	06/17/2021
GitHub username	ezorita
Website (optional)	
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Contributor Details

Field	Entry
Name	Pepe Berba
Company name (if applicable)	
Title or role (if applicable)	
Date	2019-10-18
GitHub username	pberba
Website (optional)	

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| Field | Entry |
|------------------------------
 | -------------------- |
| Name | Yves Peirsman |
| Company name (if applicable) | NLP Town (Island Constraints BVBA) |
| Title or role (if applicable) | Co-founder |
| Date | 14.03.2019 |
| GitHub username | nlptown |
| Website (optional) | http://www.nlp.town |
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| Field | Entry |
|------------------------------
 | --------------------------- |
| Name | Burton DeWilde |
| Company name (if applicable) | - |
| Title or role (if applicable) | data scientist |
| Date | 20 November 2017 |
| GitHub username | bdewilde |
| Website (optional) | https://bdewilde.github.io/ |
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Contributor Details

Field	Entry

Name	Lorena Ciutacu
Company name (if applicable)	
Title or role (if applicable)	
Date	2020-12-23
GitHub username	lorenanda
Website (optional)	lorenaciutacu.com/

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* you agree that neither of us has any duty to consult with, obtain the consent of, pay or render an accounting to the other for any use or distribution of your contribution.

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Contributor Details

Field	Entry
Name	Samuel Kane
Date	3/20/19
GitHub username	SamuelLKane
Website (optional)	samuel-kane.com

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Field	Entry
Name	Ido Shraga
Company name (if applicable)	
Title or role (if applicable)	
Date	20-09-2020
GitHub username	idoshr
Website (optional)	
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Contributor Details

Field	Entry
Name	Adriane Boyd
Company name (if applicable)	
Title or role (if applicable)	
Date	28 January 2019

| GitHub username | adrianeboyd | |
| Website (optional) | | |

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Field	Entry
Name	Belal
Company name (if applicable)	
Title or role (if applicable)	
Date	March 13, 2021
GitHub username	bsweileh
Website (optional)	

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Contributor Details

Field	Entry
Name	Vishnu Menon
Company name (if applicable)	
Title or role (if applicable)	
Date	12 May 2018
GitHub username	vishnumenon
Website (optional)	

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Contributor Details

Field	Entry
Name	Moshe Hazoom
Company name (if applicable)	Amenity Analytics
Title or role (if applicable)	NLP Engineer
Date	2019-09-15
GitHub username	Hazoom
Website (optional)	

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Contributor Details

| Field | Entry |
|------------------------------
 | -------------------- |
| Name | Jacopo Farina |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 2018-10-12 |
| GitHub username | jacopofar |
| Website (optional) | jacopofarina.eu |
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Contributor Details

| Field | Entry |
|------------------------------
 | -------------------- |
| Name | Jari Bakken |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 2018-12-21 |
| GitHub username | jarib |
| Website (optional) | |
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Contributor Details

Field	Entry
Name	Chris DuBois
Company's name (if applicable)	
Title or Role (if applicable)	
Date	2015.10.07
GitHub username	chrisdubois
Website (optional)	

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Contributor Details

| Field | Entry |
|------------------------------
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| Name | Vincent D. Warmerdam |
| Company name (if applicable) | |
| Title or role (if applicable) | Data Person |
| Date | 2020-03-01 |
| GitHub username | koaning |
| Website (optional) | https://koaning.io |

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Contributor Details

Field	Entry
Name	QingHeng Zhang
Company name (if applicable)	
Title or role (if applicable)	
Date	2017-12-28
GitHub username	zqhZY
Website (optional)	https://someth.duapp.com/

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Contributor Details

| Field | Entry |
|------------------------------
 | ------------------- |
| Name | Wannaphong Phatthiyaphaibun |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 25-3-2019 |
| GitHub username | wannaphongcom |
| Website (optional) | |

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Contributor Details

Field	Entry
Name	Kevin Humphreys
Company name (if applicable)	Textio Inc.
Title or role (if applicable)	
Date	01-03-2018
GitHub username	kwhumphreys
Website (optional)	

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Name	Zhe li
Company name (if applicable）	
Title or role (if applicable)	
Date	2020-07-24
GitHub username	lizhe2004
Website (optional)	http://www.huahuaxia.net

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Field	Entry
Name	Alex COMBESSIE
Company name (if applicable)	Dataiku
Title or role (if applicable)	R&D Engineer
Date	2020-10-27
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Website (optional)		
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Contributor Details

Field	Entry
Name	Pierre Lison
Company name (if applicable)	Norsk Regnesentral
Title or role (if applicable)	Senior Researcher
Date	22.04.2021
GitHub username	plison
Website (optional)	www.nr.no/~plison

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Field	Entry
Name	Lucas Terriel
Company name (if applicable)	
Title or role (if applicable)	
Date	2022-06-20
GitHub username	Lucaterre
Website (optional)	

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Field	Entry
Name	Tyler Couto
Company name (if applicable)	
Title or role (if applicable)	
Date	January 29, 2020
GitHub username	onlyanegg
Website (optional)	

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Contributor Details

Field	Entry
Name	Alejandro Alcalde
Company name (if applicable)	
Title or role (if applicable)	Data Scientist
Date	07/17/2019
GitHub username	elbaulp
Website (optional)	[elbauldelprogramador.com](https://elbauldelprogramador.com/en/)
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Field	Entry

|
Name	Elijah Rippeth
Company name (if applicable)	
Title or role (if applicable)	
Date	2019-11-16
GitHub username	erip
Website (optional)	

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Contributor Details

| Field | Entry |
|------------------------------
 | -------------------- |
| Name |Mark Neumann |
| Company name (if applicable) |Allen Institute for AI |
| Title or role (if applicable) |Research Engineer |
| Date | 13/01/2019 |
| GitHub username |@Deneutoy |
| Website (optional) |markneumann.xyz |
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Contributor Details

Field	Entry
Name	Mike Izbicki
Company name (if applicable)	
Title or role (if applicable)	
Date	02 Jun 2020
GitHub username	mikeizbicki
Website (optional)	https://izbicki.me
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Contributor Details

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Company name (if applicable)	IBM

Title or role (if applicable)	Data Scientist and Software Developer
Date	3 August 2019
GitHub username	jenojp
Website (optional)	https://www.linkedin.com/in/jenojp/

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| Field | Entry |
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| Name | Mateusz Olko |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 22.11.2018 |
| GitHub username | MateuszOlko |
| Website (optional) | |
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Contributor Details

Field	Entry
Name	Adam Bittlingmayer
Company name (if applicable)	
Title or role (if applicable)	
Date	12 Aug 2020
GitHub username	bittlingmayer
Website (optional)	
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Field	Entry
Name	Fitsum Gaim
Company name (if applicable)	
Title or role (if applicable)	
Date	2021-08-07
GitHub username	fgaim

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Field	Entry
Name	Jacob Bortell
Company name (if applicable)	
Title or role (if applicable)	
Date	2020-11-20
GitHub username	jabortell
Website (optional)	
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| Field | Entry |
|------------------------------
  | ------------------- |
| Name |C. Grivaz |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date |08.22.2018 |
| GitHub username |grivaz |
| Website (optional) | |
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Field	Entry
Name	Bae, Yong-Ju
Company name (if applicable)	
Title or role (if applicable)	
Date	2019-07-25
GitHub username	b1uec0in
Website (optional)	

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Field	Entry
Name	Gyrgy Orosz
Company name (if applicable)	
Title or role (if applicable)	
Date	2016-12-26
GitHub username	oroszgy
Website (optional)	gyorgy.orosz.link

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Field	Entry
Name	Kirill Bulygin
Company name (if applicable)	
Title or role (if applicable)	
Date	2018-12-18
GitHub username	kbulygin
Website (optional)	

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| Field | Entry |
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 | -------------------- |
| Name | Aleksandar Savkov |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 11.01.2018 |
| GitHub username | savkov |
| Website (optional) | sasho.io |
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Field	Entry
Name	Ayush Chaurasia
Company name (if applicable)	
Title or role (if applicable)	
Date	2021-03-12
GitHub username	AyushExel
Website (optional)	

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Contributor Details

Field	Entry
Name	Murat Jumashev
Company name (if applicable)	
Title or role (if applicable)	
Date	25.01.2021
GitHub username	jumasheff
Website (optional)	

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| Field | Entry |
|------------------------------
 | ----------------------- |
| Name | Shirish Kadam |
| Company name (if applicable) | SlicePay |
| Title or role (if applicable) | Android Developer |
| Date | 2017-11-13 |
| GitHub username | 5hirish |
| Website (optional) | https://shirishkadam.com |
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Contributor Details

Field	Entry

Name	Marek Grzenkowicz
Company name (if applicable)	
Title or role (if applicable)	
Date	2020.04.10
GitHub username	chopeen
Website (optional)	

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Contributor Details

Field	Entry
Name	Dimitar Ganev
Company name (if applicable)	
Title or role (if applicable)	
Date	2021/8/2
GitHub username	syrull
Website (optional)	
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Contributor Details

| Field | Entry |
|------------------------------
 | ------------------- |
| Name | Ali Zarezade |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 2018-01-23 |
| GitHub username | azarezade |
| Website (optional) | azarezade.github.io |
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Contributor Details

Field	Entry
Name	Desausoi Laurent
Company name (if applicable)	/

Title or role (if applicable)	/
Date	22 November 2019
GitHub username	MiniLau
Website (optional)	/

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Field	Entry
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Company name (if applicable)	
Title or role (if applicable)	
Date	07.06.2020
GitHub username	gandersen101
Website (optional)	

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Field	Entry
Name	Sam Edwardes
Company name (if applicable)	
Title or role (if applicable)	
Date	2021-04-02
GitHub username	SamEdwardes
Website (optional)	samedwardes.com

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Field	Entry

Name	Daniel Hershcovich
Company name (if applicable)	
Title or role (if applicable)	
Date	8 November 2017
GitHub username	danielhers

| Website (optional) | www.cs.huji.ac.il/~danielh |
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Contributor Details

Field	Entry
Name	Santiago Castro
Company name (if applicable)	
Title or role (if applicable)	
Date	2019-04-09
GitHub username	bryant1410
Website (optional)	

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Contributor Details

| Field | Entry |
|------------------------------
 | ---------------------- |
| Name | Zhuoru Lin |
| Company name (if applicable) | Bombora Inc. |
| Title or role (if applicable) | Data Scientist |
| Date | 2017-11-13 |
| GitHub username | ZhuoruLin |
| Website (optional) | |
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Field	Entry
Name	Ansgar Tmmers
Company name (if applicable)	
Title or role (if applicable)	
Date	2018-05-26
GitHub username	ansgar-t
Website (optional)	
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Field	Entry
Name	Connor Brinton
Company name (if applicable)	
Title or role (if applicable)	
Date	July 20th, 2021
GitHub username	connorbrinton
Website (optional)	

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Field	Entry
Name	Marat M. Yavrumyan
Company name (if applicable)	YSU, UD_Armenian Project
Title or role (if applicable)	Dr., Principal Investigator
Date	2020-06-19
GitHub username	myavrum
Website (optional)	http://armtreebank.yerevann.com/

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| Field | Entry |
|------------------------------
 | -------------------- |
| Name | Wojciech Lukasiewicz |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 13.08.2018 |
| GitHub username | wojtuch |
| Website (optional) | |
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Contributor Details

Field	Entry
Name	Philip Gillien
Company name (if applicable)	
Title or role (if applicable)	
Date	2020-03-24
GitHub username	guerda
Website (optional)	

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 | -------------------- |
| Name | Vu Ha |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 10-23-2020 |
| GitHub username | vha14 |
| Website (optional) | |
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| Field | Entry | |
|------------------------------
 | ------------------------------- |
| Name | Magnus Burton | |
| Company name (if applicable) | | |
| Title or role (if applicable) | | |
| Date | 17-12-2016 | |
| GitHub username | magnusburton | |
| Website (optional) | | |
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| -------------------- |
Name	Doug DesCombaz
Company name (if applicable)	
Title or role (if applicable)	
Date	2018-03-15
GitHub username	doug-descombaz
Website (optional)	https://medium.com/@doug.descombaz

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| Field | Entry |
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| Name | Suraj Rajan |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 31/Mar/2018 |
| GitHub username | skrcode |
| Website (optional) | |

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Contributor Details

Field	Entry
Name	Ramiro Gmez
Company name (if applicable)	
Title or role (if applicable)	
Date	2019-04-29
GitHub username	yaph
Website (optional)	http://ramiro.org/
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Contributor Details

Field	Entry
Name	Hiromu Hota
Company name (if applicable)	Hitachi America, Ltd.

Title or role (if applicable)	Researcher
Date	2019-03-25
GitHub username	HiromuHota
Website (optional)	

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| Field | Entry |
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 | --------------------- |
| Name | himkt |
| Company name (if applicable) | University of Tsukuba |
| Title or role (if applicable) | |
| Date | 2018-06-07 |
| GitHub username | himkt |
| Website (optional) | https://himkt.github.io |
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Contributor Details

Field	Entry
Name	Adam Schwalm
Company name (if applicable)	Star Lab
Title or role (if applicable)	Software Engineer
Date	2018-11-28
GitHub username	ALSchwalm
Website (optional)	https://alschwalm.com
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Contributor Details

Field	Entry
Name	Mathias Deschamps
Company name (if applicable)	
Title or role (if applicable)	
Date	9 November 2017
GitHub username	MathiasDesch

| Website (optional) | |

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| Field | Entry |
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 | ------------------- |
| Name | Xiaoquan Kong |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 2018-03-23 |
| GitHub username | howl-anderson |
| Website (optional) | |
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Contributor Details

Field	Entry
Name	Akhilesh K R
Company name (if applicable)	
Title or role (if applicable)	
Date	2019-02-12
GitHub username	akki2825
Website (optional)	

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|------------------------------
 | ------------------------ |
| Name | Claudiu-Vlad Ursache |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 2018-02-04 |
| GitHub username | ursachec |
| Website (optional) | https://www.cvursache.com |
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Field	Entry
Name	Paco Nathan
Company name (if applicable)	Derwen, Inc.
Title or role (if applicable)	Managing Partner
Date	2020-01-25
GitHub username	ceteri
Website (optional)	https://derwen.ai/paco
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Name	Piotr elasko
Company name (if applicable)	
Title or role (if applicable)	
Date	04-09-2018
GitHub username	pzelasko
Website (optional)	

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Field	Entry
Name	Pradeep Kumar Tippa
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Title or role (if applicable)	
Date	07-02-2018
GitHub username	pktippa
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Field	Entry
Name
Alejandro Villarreal
Company name (if applicable)	
Title or role (if applicable)	
Date	2018-05-01
GitHub username	alexvy86
Website (optional)	
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Contributor Details

| Field | Entry |
|------------------------------
 | -------------------- |
| Name | Ivan Tham Jun Hoe |
| Company name (if applicable) | Semut |
| Title or role (if applicable) | Data Analyst |
| Date | Apr 11, 2019 |
| GitHub username | pickfire |
| Website (optional) | https://pickfire.tk |
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Contributor Details

Field	Entry
Name	Tom Keefe
Company name (if applicable)	/
Title or role (if applicable)	/
Date	18 February 2020
GitHub username	MisterKeefe
Website (optional)	/

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Field	Entry
Name	Germn Muoz
Company name (if applicable)	
Title or role (if applicable)	
Date	2019-06-01
GitHub username	munozbravo
Website (optional)	

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Contributor Details

Field	Entry
Name	Dhruv Naik
Company name (if applicable)	
Title or role (if applicable)	
Date	26-01-2021
GitHub username	dhruvrnaik
Website (optional)	

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Field Entry
Name Arya Prabhudesai
Company name (if applicable) -
Title or role (if applicable) -
Date 2018-08-17
GitHub username aryaprabhudesai
Website (optional) -
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| Field | Entry |
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 | ---------------------- |
| Name | Amandine Prinet |
| Company name (if applicable) | 365Talents |
| Title or role (if applicable) | Data Science Researcher |
| Date | 28/01/2019 |
| GitHub username | amperinet |
| Website (optional) | |
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Field	Entry
Name	Yoichiro Hasebe
Company name (if applicable)	
Title or role (if applicable)	
Date	July 4th, 2021
GitHub username	yohasebe
Website (optional)	https://yohasebe.com

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Contributor Details

Field	Entry
Name	Amey Baviskar
Company name (if applicable)	
Title or role (if applicable)	
Date	21-May-2019
GitHub username	estr4ng7d
Website (optional)	

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  actual authority to contractually bind that entity.

Contributor Details

| Field | Entry |
|------------------------------
 | -------------------- |
| Name | Duygu Altinok |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 13 November 2017 |
| GitHub username | DuyguA |
| Website (optional) | |
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Contributor Details

Field	Entry
Name	Knut O. Hellan
Company name (if applicable)	
Title or role (if applicable)	
Date	02.07.2019
GitHub username	khellan
Website (optional)	knuthellan.com

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Contributor Details

Field	Entry
Name	Dmitry Briukhanov
Company name (if applicable)	-
Title or role (if applicable)	-
Date	7/24/2018
GitHub username	DimaBryuhanov
Website (optional)	

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| Field | Entry |
|------------------------------
 | -------------------- |
| Name | Marc Puig |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 2018-11-17 |
| GitHub username | mpuig |
| Website (optional) | |
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Field	Entry
Name	Jannis Rauschke
Company name (if applicable)	
Title or role (if applicable)	
Date	22.05.2020
GitHub username	JannisTriesToCode
Website (optional)	https://twitter.com/JRauschke

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Contributor Details

Field	Entry
Name	Ian Mckay
Company name (if applicable)	
Title or role (if applicable)	
Date	22/03/2018
GitHub username	iann0036
Website (optional)	

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| Field | Entry |
|------------------------------
 | -------------------- |
| Name | Eleni Partalidou |
| Company name (if applicable) | DataScouting |
| Title or role (if applicable) | Software Engineer |
| Date | 06.07.2018 |
| GitHub username | Eleni170 |
| Website (optional) | |
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Field	Entry
Name	Daniel Vila-Suero
Company name (if applicable)	recogn.ai
Title or role (if applicable)	
Date	07-04-2017
GitHub username	dvsrepo
Website (optional)	recogn.ai
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|

Name	Amit Chaudhary
Company name (if applicable)		
Title or role (if applicable)		
Date	April 29, 2019
GitHub username	amitness
Website (optional)	https://amitness.com

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Date	2018/01/08
GitHub username	fucking-signup
Website (optional)	-
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Field	Entry
Name	Edward Schmuhl
Company name (if applicable)	
Title or role (if applicable)	
Date	09.07.2021
GitHub username	thomashacker
Website (optional)	
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| Field | Entry |
|------------------------------
 | ------------------- |
| Name | Adam Binford |
| Company name (if applicable) | |

Title or role (if applicable)		
Date	1/29/2018	
GitHub username	Kimahriman	
Website (optional)		

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Field	Entry
Name	Samuel Rodrguez Medina
Company name (if applicable)	
Title or role (if applicable)	Computational linguist
Date	28 April 2020
GitHub username	vondersam
Website (optional)	

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| Name | Daniel King |
| Company name (if applicable) | Allen Institute for Artificial Intelligence |
| Title or role (if applicable) | Predoctoral Young Investigator |
| Date | 03/06/2019 |
| GitHub username | danielkingai2 |
| Website (optional) | |
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Contributor Details

Field	Entry
Name	Ioannis Daras
Company name (if applicable)	
Title or role (if applicable)	Computer Engineering Student
Date	2018-07-17
GitHub username	giannisdaras

| Website (optional) | https://giannisdaras.github.io |

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Contributor Details

| Field | Entry |
|------------------------------
 | ------------------- |
| Name | Julia Makogon |
| Company name (if applicable) | Semantrum |
| Title or role (if applicable) | |
| Date | 07.02.2019 |
| GitHub username | juliamakogon |
| Website (optional) | |
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Contributor Details

Field	Entry
Name	Joshua Olson
Company name (if applicable)	
Title or role (if applicable)	
Date	2020-07-22
GitHub username	solarmist
Website (optional)	http://blog.solarmist.net
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Contributor Details

Field	Entry
Name	Jonathan B.
Company name (if applicable)	besomi.ai
Title or role (if applicable)	-
Date	07.07.2020
GitHub username	jbesomi
Website (optional)	besomi.ai

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Contributor Details

Field	Entry
Name	Mohammed Daudali
Company name (if applicable)	
Title or role (if applicable)	
Date	30 July 2019
GitHub username	mdaudali
Website (optional)	

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| Field | Entry |
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 | -------------------- |
| Name | Roshni Biswas |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 02-17-2019 |
| GitHub username | roshni-b |
| Website (optional) | |
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Field	Entry
Name	Helio Machado
Company name (if applicable)	
Title or role (if applicable)	
Date	2021-02-03
GitHub username	0x2b3bfa0
Website (optional)	
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Field	Entry
Name	Mihai Gliga
Company name (if applicable)	
Title or role (if applicable)	
Date	September 9, 2019
GitHub username	mihaigliga21
Website (optional)	

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| Field | Entry |
|------------------------------
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| Name | Aristo Rinjuang |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | May 22, 2018 |
| GitHub username | aristorinjuang |
| Website (optional) | https://aristorinjuang.com |
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Field	Entry
Name	Richard Liaw
Company name (if applicable)	
Title or role (if applicable)	
Date	06/22/2020
GitHub username	richardliaw
Website (optional)	
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| ----------------------- |
Name	Muhammad Fahmi Rasyid
Company name (if applicable)	
Title or role (if applicable)	
Date	2020-09-23
GitHub username	rasyidf
Website (optional)	http://rasyidf.github.io

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Field	Entry
Name	Luca Dorigo
Company name (if applicable)	/
Title or role (if applicable)	/
Date	08.05.2019
GitHub username	ldorigo
Website (optional)	/

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| -------------------- |
| Name | thomas opsomer |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 28-01-2018 |
| GitHub username | thomasopsomer |
| Website (optional) | |
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| Name | Stanisaw Giziski |
| Company name (if applicable) | |

Title or role (if applicable)		
Date	21.11.2018	
GitHub username	Gizzio	
Website (optional)		

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| Name | Katarzyna Korsak |
| Company name (if applicable) | Nav |
| Title or role (if applicable) | |
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| GitHub username | katarkor |
| Website (optional) | |

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Name	Robin Linderborg
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Title or role (if applicable)	
Date	2018-04-23
GitHub username	miroli
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Field	Entry
Name	Orion Montoya
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Date	04-10-2017
GitHub username	mdcclv

| Website (optional) | http://www.mdcclv.com/ |
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| Name | Sbastien Harinck |
| Company name (if applicable) | Odaxiom |
| Title or role (if applicable) | ML Engineer |
| Date | 2020-04-15 |
| GitHub username | sebastienharinck |
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Title or role (if applicable)	
Date	06 April 2020
GitHub username	lfiedler
Website (optional)	
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  * you agree that we may register a copyright in your contribution and
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  * you agree that neither of us has any duty to consult with, obtain the
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Field	Entry
Name	Joachim Ganseman
Company name (if applicable)	
Title or role (if applicable)	
Date	26/01/2021
GitHub username	jganseman
Website (optional)	www.ganseman.be
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Contributor Details

Field	Entry
Name	Peter Baumgartner
Company name (if applicable)	
Title or role (if applicable)	
Date	July 14, 2019
GitHub username	pmbaumgartner
Website (optional)	pmbaumgartner.github.io
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Contributor Details

Field	Entry
Name	Giovanni Battista Parodi
Company name (if applicable)	
Title or role (if applicable)	

Date	2020-03-19	
GitHub username	Baciccin	
Website (optional)		

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Contributor Details

Field	Entry
Name	Martin Andrews
Company name (if applicable)	-
Title or role (if applicable)	-
Date	2017-12-18
GitHub username	mdda
Website (optional)	-
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Field	Entry
Name	Yanai Elazar
Company name (if applicable)	
Title or role (if applicable)	
Date	14/8/2019
GitHub username	yanaiela
Website (optional)	https://yanaiela.github.io
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Contributor Details

Field	Entry
Name	Sami Moustachir
Company name (if applicable)	
Title or role (if applicable)	Data Scientist
Date	2018-08-02
GitHub username	sammous
Website (optional)	https://samimoustachir.com

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Field	Entry
Name	Florijan Stamenkovic
Company name (if applicable)	
Title or role (if applicable)	
Date	2020-10-05
GitHub username	florijanstamenkovic
Website (optional)	

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Field	Entry
Name	Rahul Soni
Company name (if applicable)	
Title or role (if applicable)	
Date	30th September, 2019
GitHub username	er-raoniz
Website (optional)	
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| Field | Entry |
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 | -------------------- |
| Name | Miguel Revuelta |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 2020-11-17 |
| GitHub username | revuel |
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Field	Entry
Name	Bui Trung Chi
Company name (if applicable)	
Title or role (if applicable)	
Date	2018-06-30
GitHub username	btrungchi
Website (optional)	

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Field	Entry
Name	Anastassia Kornilova
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Title or role (if applicable)	/
Date	01.08.2019
GitHub username	akornilo
Website (optional)	akornilo.com

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Field	Entry
Name	Kristian Boda
Company name (if applicable)	
Title or role (if applicable)	
Date	18.05.2021
GitHub username	bodak
Website (optional)	

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actual authority to contractually bind that entity.

Contributor Details

Field	Entry

| |
Name	Pluie	
Company name (if applicable)		
Title or role (if applicable)		
Date	2020-06-18	
GitHub username	PluieElectrique	
Website (optional)		

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Contributor Details

Field	Entry
Name	Nick Sorros
Company name (if applicable)	
Title or role (if applicable)	
Date	2/8/2021
GitHub username	nsorros
Website (optional)	

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Contributor Details

| Field | Entry |
|------------------------------
 | -------------------- |
| Name | Douglas Knox |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 2018-04-27 |
| GitHub username | knoxdw |
| Website (optional) | |
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| Field | Entry |
|------------------------------
 | -------------------- |
| Name | Daniel Ruf |
| Company name (if applicable) | |

Title or role (if applicable)	
Date	07.06.2018
GitHub username	danielruf
Website (optional)	https://daniel-ruf.de

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Contributor Details

Field	Entry
Name	David Graus
Company name (if applicable)	
Title or role (if applicable)	
Date	28.03.2019
GitHub username	graus
Website (optional)	graus.nu

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Contributor Details

| Field | Entry |
|------------------------------
 | -------------------- |
| Name | Matthew Honnibal |
| Company name (if applicable) | Explosion AI |
| Title or role (if applicable) | Founder |
| Date | 2017-10-18 |
| GitHub username | honnibal |
| Website (optional) | https://explosion.ai |
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Field	Entry
Name	Sevdimali
Company name (if applicable)	
Title or role (if applicable)	
Date	10/4/2021
GitHub username	sevdimali

| Website (optional) | https://sevdimali.me |

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| Field | Entry |
|------------------------------
  | ------------------- |
| Name | Nathaniel J. Smith |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 2018-08-26 |
| GitHub username | njsmith |
| Website (optional) | https://vorpus.org |
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Field	Entry
Name	Icarus Xu
Company name (if applicable)	
Title or role (if applicable)	
Date	05/06/2019
GitHub username	F0rge1cE
Website (optional)	
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Contributor Details

Field	Entry
Name	Roman Domrachev
Company name (if applicable)	
Title or role (if applicable)	
Date	11 November 2017
GitHub username	ligser
Website (optional)	

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Field	Entry
Name	Chris Clauss
Company name (if applicable)	
Title or role (if applicable)	
Date	20 November 2017
GitHub username	cclauss
Website (optional)	

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Contributor Details

Field	Entry
Name	vikas yadav
Company name (if applicable)	
Title or role (if applicable)	Data Scientist
Date	1 August 2018
GitHub username	vikaskyadav
Website (optional)	www.vikaskyadav.tk

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Field	Entry
Name	Yash Patadia
Company name (if applicable)	
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Date	11/07/2019
GitHub username	yash1994
Website (optional)	

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Field	Entry
Name	Henriette Behr
Company name (if applicable)	
Title or role (if applicable)	
Date	23.09.2021
GitHub username	Jette16
Website (optional)	

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Contributor Details

Field	Entry
Name	Philip Vollet
Company name (if applicable)	
Title or role (if applicable)	
Date	22.09.2021
GitHub username	philipvollet
Website (optional)	

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Field	Entry
Name	Jan Krepl
Company name (if applicable)	
Title or role (if applicable)	
Date	2021-03-09
GitHub username	jankrepl
Website (optional)	
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Field	Entry

|
Name	Boian Tzonev
Company name (if applicable)	
Title or role (if applicable)	
Date	18.02.2021
GitHub username	dardoria
Website (optional)	

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Field	Entry
Name	Paolo Arduin
Company name (if applicable)	
Title or role (if applicable)	
Date	9 April 2020
GitHub username	paoloq
Website (optional)	

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| Field | Entry |
|------------------------------
 | ------------------- |
| Name | Aaron Marquez |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 2/15/2018 |
| GitHub username | enerrio |
| Website (optional) | |
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Field	Entry
Name	Ujwal Narayan
Company name (if applicable)	

Title or role (if applicable)		
Date	17/05/2019	
GitHub username	ujwal-narayan	
Website (optional)		

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Contributor Details

| Field | Entry |
|------------------------------
 | -------------------- |
| Name | Shawn Cicoria |
| Company name (if applicable) | Microsoft |
| Title or role (if applicable) | Principal Software Engineer |
| Date | November 20, 2018 |
| GitHub username | cicorias |
| Website (optional) | www.cicoria.com |

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Contributor Details

Field	Entry
Name	Xavier Fontaine
Company name (if applicable)	
Title or role (if applicable)	
Date	2022-04-13
GitHub username	fonfonx
Website (optional)	
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Contributor Details

Field	Entry
Name	Gavriel Loria
Company name (if applicable)	
Title or role (if applicable)	
Date	Nov 29, 2018
GitHub username	gavrieltal

| Website (optional) | | |
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| Field | Entry |
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 | -------------------- |
| Name | Avadh Patel |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 17.01.2018 |
| GitHub username | avadhpatel |
| Website (optional) | |
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| Field | Entry |
|------------------------------
 | ------------------- |
| Name | Justin DuJardin |
| Company name (if applicable) | DuJardin Consulting, LLC |
| Title or role (if applicable) | |
| Date | 2018-03-23 |
| GitHub username | justindujardin |
| Website (optional) | https://justindujardin.com |
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Field	Entry
Name	Aaron Kub
Company name (if applicable)	
Title or role (if applicable)	
Date	2019-05-09
GitHub username	aaronkub
Website (optional)	
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Field	Entry
Name	Ilkyu Ju
Company name (if applicable`	
Title or role (if applicable)	
Date	2020-05-17
GitHub username	osori
Website (optional)	

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Field	Entry
Name	Gatan PRUVOST
Company name (if applicable)	
Title or role (if applicable)	
Date	13/04/2018
GitHub username	mn3mos
Website (optional)	

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Contributor Details

Field	Entry
Name	Adrian Zuber
Company name (if applicable)	
Title or role (if applicable)	
Date	20-06-2021
GitHub username	xadrianzetx
Website (optional)	
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Field	Entry
Name	Giovanni Toffoli
Company name (if applicable)	
Title or role (if applicable)	
Date	2021-05-12
GitHub username	gtoffoli
Website (optional)	

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 | ----------------------- |
| Name | Kabir Khan |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 2019-04-08 |
| GitHub username | kabirkhan |
| Website (optional) | |
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Contributor Details

Field	Entry
Name	Beate Sildnes
Company name (if applicable)	NAV
Title or role (if applicable)	Data Scientist
Date	04.12.2018
GitHub username	beatesi
Website (optional)	

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Name	Shantam Raj
Company name (if applicable)	
Title or role (if applicable)	
Date	10/4/2021
GitHub username	armsp
Website (optional)	https://shantamraj.com

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Field	Entry
Name	Son Pham
Company name (if applicable)	
Title or role (if applicable)	
Date	09/10/2021
GitHub username	Avi197
Website (optional)	

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Field	Entry
Name	Yusuke Mori
Company name (if applicable)	
Title or role (if applicable)	Ph.D. student
Date	2020/11/22
GitHub username	forest1988
Website (optional)	https://forest1988.github.io
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Contributor Details

| Field | Entry |
|------------------------------
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| Name | Kim, Baeg-il |
| Company name (if applicable) | |

Title or role (if applicable)	
Date	2019-07-03
GitHub username	cedar101
Website (optional)	

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Contributor Details

| Field | Entry |
|------------------------------
 | -------------------- |
| Name | Felix Sonntag |
| Company name (if applicable) | - |
| Title or role (if applicable) | Student |
| Date | 2017-11-19 |
| GitHub username | fsonntag |
| Website (optional) | http://github.com/fsonntag/ |
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Contributor Details

Field	Entry
Name	Johannes Dollinger
Company name (if applicable)	
Title or role (if applicable)	
Date	2018-02-13
GitHub username	emulbreh
Website (optional)	
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Contributor Details

Field	Entry
Name	Isaac Sijaranamual
Company name (if applicable)	-
Title or role (if applicable)	-
Date	2017-12-10
GitHub username	IsaacHaze

| Website (optional) | - |

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Field	Entry
Name	Ryan Ford
Company name (if applicable)	
Title or role (if applicable)	
Date	Mar 13 2019
GitHub username	Poluglottos
Website (optional)	

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| Field | Entry |
|------------------------------
| -------------------- |
| Name | Mathieu Morey |
| Company name (if applicable) | Datactivist |
| Title or role (if applicable) | Researcher |
| Date | 2019-01-07 |
| GitHub username | moreymat |
| Website (optional) | |
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Field	Entry
Name	Vishnu Priya VR
Company name (if applicable)	Uniphore
Title or role (if applicable)	NLP/AI Engineer
Date	2020-05-03
GitHub username	vishnupriyavr
Website (optional)	

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Field	Entry
Name	Juan Gutirrez
Company name (if applicable)	Ojtli
Title or role (if applicable)	
Date	2020-08-28
GitHub username	jgutix
Website (optional)	ojtli.app
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Field	Entry
Name	Dongjun Park
Company name (if applicable)	
Title or role (if applicable)	
Date	2021-03-06
GitHub username	broaddeep
Website (optional)	
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Field	Entry
Name	Yohei Tamura
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Title or role (if applicable)	
Date	2019/9/12
GitHub username	tamuhey
Website (optional)	
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Field	Entry
Name	David Pollack
Company name (if applicable)	
Title or role (if applicable)	
Date	Mar 5. 2020
GitHub username	dhpollack
Website (optional)	

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Field	Entry
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Company name (if applicable)	N/A
Title or role (if applicable)	N/A
Date	April 16th, 2020
GitHub username	elben10
Website (optional)	N/A
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| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | Feb 21, 2018 |
| GitHub username | alldefector |
| Website (optional) | |
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Title or role (if applicable)	
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Website (optional)	https://baltazar.bieniek.org.pl/

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| Title or role (if applicable) | |
| Date | 5/10/2018 |
| GitHub username | janimo |
| Website (optional) | |
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Field	Entry
Name	Renat Shigapov
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Title or role (if applicable)	
Date	2021-09-09
GitHub username	shigapov
Website (optional)	

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Name	jeanneC
Company name (if applicable)	

Title or role (if applicable)	
Date	4th April 2019
GitHub username	jeannefukumaru
Website (optional)	

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Title or role (if applicable)	
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GitHub username	yuukos
Website (optional)	

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}

The licence of Serbian lemmas was adopted from Serbian lexicon:
- sr.lexicon (https://github.com/clarinsi/reldi-tagger/blob/master/sr.lexicon)

Changelog:
- Lexicon is translated into cyrilic
- Word order is sorted
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|------------------------------
 | --------------------- |
| Name | Bohdan Moskalevskyi |
| Company name (if applicable) | Institute for Ukrainian, NGO |
| Title or role (if applicable) | |
| Date | 2018-06-08 |
| GitHub username | msklvsk |
| Website (optional) | https://mova.institute |
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Contributor Details

Field	Entry
Name	Julien Salinas
Company name (if applicable)	NLP Cloud
Title or role (if applicable)	Founder and CTO
Date	Mayb 14th 2021
GitHub username	juliensalinas
Website (optional)	https://nlpcloud.io
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Name	Gustav Engstrm
Company name (if applicable)	Davcon
Title or role (if applicable)	Data scientis
Date	2019-10-10
GitHub username	gustavengstrom
Website (optional)	

The list of Croatian lemmas was extracted from the reldi-tagger repository (https://github.com/clarinsi/reldi-tagger). Reldi-tagger is licensed under the Apache 2.0 licence.

@InProceedings{ljubesic16-new,
 author = {Nikola Ljubei and Filip Klubika and eljko Agi and Ivo-Pavao Jazbec},
 title = {New Inflectional Lexicons and Training Corpora for Improved Morphosyntactic Annotation of Croatian and Serbian},
 booktitle = {Proceedings of the Tenth International Conference on Language Resources and Evaluation (LREC 2016)},
 year = {2016},
 date = {23-28},
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 editor = {Nicoletta Calzolari (Conference Chair) and Khalid Choukri and Thierry Declerck and Sara Goggi and Marko Grobelnik and Bente Maegaard and Joseph Mariani and Helene Mazo and Asuncion Moreno and Jan Odijk and Stelios Piperidis},
 publisher = {European Language Resources Association (ELRA)},
 address = {Paris, France},
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Field	Entry
Name	Vladimir Holubec
Company name (if applicable)	
Title or role (if applicable)	
Date	30.07.2020
GitHub username	holubvl3
Website (optional)	
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Commit: 8a2d22222dec5cf910df5a378cbcd9ea2ab53ec4. It was therefore moved over manually. -->

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Field	Entry
Name	Kunal Sharma
Company name (if applicable)	
Title or role (if applicable)	
Date	10/19/2020
GitHub username	KKsharma99
Website (optional)	

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Field	Entry
Name	Em Zhan
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Title or role (if applicable)	
Date	2019-09-25
GitHub username	zqianem
Website (optional)	

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Field	Entry
Name	Rajat
Company name (if applicable)	
Title or role (if applicable)	
Date	24 May 2020
GitHub username	R1j1t
Website (optional)	
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Field	Entry
Name	Daniel Hoadley
Company name (if applicable)	ICLR&D
Title or role (if applicable)	Head of Research
Date	9 Aug 2019
GitHub username	ICLRandD
Website (optional)	https://research.iclr.co.uk

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 | -------------------- |
| Name | Ramanan Balakrishnan |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 2017-10-19 |
| GitHub username | ramananbalakrishnan |
| Website (optional) | |
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| Field | Entry |
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 | -------------------- |
| Name | Henrik Tiljander |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 24/3/2020 |
| GitHub username | Tiljander |
| Website (optional) | |
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| Field | Entry |
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| -------------------- |
Name	Ja'far Khakpour
Company name (if applicable)	
Title or role (if applicable)	
Date	2018-09-24
GitHub username	JKhakpour
Website (optional)	

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Field	Entry
Name	Tom Milligan
Company name (if applicable)	
Title or role (if applicable)	
Date	2020-03-24
GitHub username	tommilligan
Website (optional)	
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 actual authority to contractually bind that entity.

Contributor Details

Field	Entry
Name	Vito De Tullio
Company name (if applicable)	
Title or role (if applicable)	
Date	2021-06-01
GitHub username	ZeeD
Website (optional)	
Syllogism contributor agreement

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Contributor Details

Field	Entry
Name	Vsevolod Solovyov
Company's name (if applicable)	
Title or Role (if applicable)	
Date	2015-08-24
GitHub username	vsolovyov
Website (optional)	
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Contributor Details

Field	Entry
Name	Filip Bednrik
Company name (if applicable)	Ardevop, s. r. o.
Title or role (if applicable)	IT Consultant
Date	2020-01-26
GitHub username	drndos
Website (optional)	https://ardevop.sk

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| Field | Entry |
|------------------------------
 | -------------------- |
| Name | Will Price |
| Company name (if applicable) | N/A |
| Title or role (if applicable) | N/A |
| Date | 26/12/2018 |
| GitHub username | willprice |
| Website (optional) | https://willprice.org |
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Contributor Details

| Field | Entry |
|-------------------------------
 | -------------------- |
| Name | Ole Henrik Skogstrm |
| Company name (if applicable) | Amplify AS |
| Title or role (if applicable) | CEO / Developer |
| Date | 25.01.2018 |
| GitHub username | ohenrik |
| Website (optional) | amplify.no |
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Contributor Details

Field	Entry

|

Name	Thomas	
Company name (if applicable)		
Title or role (if applicable)		
Date	2020-08-11	
GitHub username	graue70	
Website (optional)		

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Contributor Details

Field	Entry
Name	Narayan Acharya
Company name (if applicable)	
Title or role (if applicable)	
Date	29 APR 2021
GitHub username	narayanacharya6
Website (optional)	narayanacharya.com

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Contributor Details

Field	Entry
Name	Thomas Bird
Company name (if applicable)	Leap Beyond Group
Title or role (if applicable)	Data Scientist
Date	15/12/2020
GitHub username	thomasbird
Website (optional)	https://leapbeyond.ai
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| Field | Entry |
|------------------------------
 | ------------------- |
| Name | Alexey Kim |
| Company name (if applicable) | |

Title or role (if applicable)		
Date	2019-07-09	
GitHub username	ameyuuno	
Website (optional)	https://ameyuuno.io	

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| Field | Entry |
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 | -------------------- |
| Name | Paul McCann |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 2017-10-14 |
| GitHub username | polm |
| Website (optional) | http://dampfkraft.com|

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Contributor Details

Field	Entry
Name	Mike Lawrence
Company name (if applicable)	NA
Title or role (if applicable)	NA
Date	April 17, 2020
GitHub username	Mlawrence95
Website (optional)	
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Field	Entry
Name	Ivan Echevarria
Company name (if applicable)	
Title or role (if applicable)	
Date	2019-12-24
GitHub username	iechevarria

| Website (optional) | https://echevarria.io |

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| Field | Entry |
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 | ------------------ |
| Name |Matthew Upson |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date |2018-04-24 |
| GitHub username |ivyleavedtoadflax |
| Website (optional) |www.machinegurning.com|
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 contributions.

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 actual authority to contractually bind that entity.

Contributor Details

Field	Entry
Name	Travis Hoppe
Company name (if applicable)	
Title or role (if applicable)	Data Scientist
Date	07 May 2020
GitHub username	thoppe
Website (optional)	http://thoppe.github.io/
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Contributor Details

Field	Entry
Name	Michael Leichtfried
Company name (if applicable)	
Title or role (if applicable)	
Date	30.03.2020
GitHub username	leicmi
Website (optional)	

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Contributor Details

Field	Entry
Name	Tero Kemppi
Company name (if applicable)	
Title or role (if applicable)	
Date	14-07-2018
GitHub username	tjkemp
Website (optional)	

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Contributor Details

| Field | Entry |
|------------------------------
 | ----------------------- |
| Name | Umar Butler |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 2020-04-09 |
| GitHub username | umarbutler |
| Website (optional) | https://umarbutler.com |

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Contributor Details

| Field | Entry |
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 | ----------------------------- |
| Name | Adrien Ball |
| Company name (if applicable) | |
| Title or role (if applicable) | Machine Learning Engineer |
| Date | 2019-03-07 |
| GitHub username | adrienball |
| Website (optional) | https://medium.com/@adrien_ball |
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Field	Entry
Name	Louis Guitton
Company name (if applicable)	
Title or role (if applicable)	
Date	2020-04-25
GitHub username	louisguitton
Website (optional)	https://guitton.co/

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Field	Entry
Name	Michael Kufl
Company name (if applicable)	
Title or role (if applicable)	
Date	2020-04-23
GitHub username	michael-k
Website (optional)	
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Contributor Details

Field	Entry
Name	Matthias Hertel
Company name (if applicable)	
Title or role (if applicable)	
Date	June 29, 2020
GitHub username	hertelm
Website (optional)	
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Contributor Details

Field	Entry

Name	arnas Navickas
Company name (if applicable)	TokenMill
Title or role (if applicable)	Data Engineer
Date	2020-09-24
GitHub username	zaibacu
Website (optional)	

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| Field | Entry |
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 | -------------------- |
| Name | John Stewart |
| Company name (if applicable) | Amplify |
| Title or role (if applicable) | SVP Research |
| Date | 14/09/2018 |
| GitHub username | free-variation |
| Website (optional) | |
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| Field | Entry |
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 | ------------------- |
| Name | Jim O'Regan |
| Company name (if applicable) | |
| Title or role (if applicable) | |
| Date | 2017-06-24 |
| GitHub username | jimregan |
| Website (optional) | |
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| Name | B Cavello |
| Company name (if applicable) | |

Title or role (if applicable)	
Date	2018-05-06
GitHub username	bellabie
Website (optional)	bcavello.com

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Field	Entry
Name	Ans Foufa
Company name (if applicable)	
Title or role (if applicable)	NLP developer
Date	21/01/2019
GitHub username	foufaster
Website (optional)	

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

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-- $Id: COPYING,v 1.11 2022/01/01 11:47:50 tom Exp $
Upstream source https://invisible-island.net/ncurses/ncurses.html
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1.93 idna 3.10

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1.100 jaraco.collections 5.1.0

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

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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
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 5. A program that contains no derivative of any portion of the
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 However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
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the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

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

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

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

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

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

  a) Accompany the
 work with the complete corresponding
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   changes were used in the work (which must be distributed under
   Sections 1 and 2 above); and, if the work is an executable linked
   with the Library, with the complete machine-readable "work that
   uses the Library", as object code and/or source code, so that the
   user can modify the Library and then relink to produce a modified
   executable containing the modified Library. (It is understood

that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
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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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which the executable runs, unless that component itself accompanies
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That's all there is to it!
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products. If such problems arise substantially in other domains, we
stand
 ready to extend this provision to those domains in future versions
of the GPL, as needed to protect the freedom of users.

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

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

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

 To "propagate" a work means to do anything with it that, without
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parties to make or receive copies. Mere interaction with a user through

a computer network, with no transfer of a copy, is
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the interface presents a list of user commands or options, such as a
menu, a prominent item in the list meets this criterion.

 1. Source Code.

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

 A "Standard Interface" means an interface that either is an official
standard defined by a recognized standards body, or, in the case of
interfaces specified for a particular programming language, one that
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 The
 "System Libraries" of an executable work include anything, other
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implementation is available to the public in source code form. A
"Major Component", in this context, means a major essential component
(kernel, window system, and so on) of the specific operating system
(if any) on which the executable work runs, or a compiler used to
produce the work, or an object code interpreter used to run it.

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

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  (including a physical distribution medium), accompanied by the
  Corresponding Source fixed on a durable physical medium
  customarily used for software interchange.

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

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

  d) Convey the object code by offering access from a designated
  place (gratis or for a charge), and offer equivalent access to the
  Corresponding Source in
the same way through the same place at no
  further charge. You need not require recipients to copy the
  Corresponding Source along with the object code. If the place to
  copy the object code is a network server, the Corresponding Source
  may be on a different server (operated by you or a third party)
  that supports equivalent copying facilities, provided you maintain

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Corresponding Source. Regardless of what server hosts the
Corresponding Source, you remain obligated to ensure that it is
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you inform other peers where the object code and Corresponding
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charge under subsection 6d.

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from the Corresponding Source
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keys, or other information required to install
and execute modified versions of a covered work in that User Product from
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suffice to ensure that the continued functioning of the modified object
code is in no case prevented or interfered with solely because
modification has been made.

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specifically for use in, a User Product, and the conveying occurs as
part of a transaction in which the right of possession and use of the
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fixed term (regardless of how the transaction is characterized), the
Corresponding Source conveyed under this section must be accompanied
by the Installation Information. But this requirement does not apply
if neither you nor any third party retains the ability to install
modified object code on the User Product (for example, the work has
been installed in

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 The requirement to provide Installation Information does not include a
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network may be denied when the modification itself materially and
adversely affects the operation of the network or violates the rules and
protocols for communication across the network.

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

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Thanks to the many outside volunteers who have worked under Guido's
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  * MS Visual Studio error format option.
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    all fields (only present with certain compiler settings).
  * Added generation of field number constants.
Wink Saville <wink@google.com>
  * Fixed initialization ordering problem in logging code.
Will Pierce <willp@nuclei.com>
  * Small patch improving performance of in Python serialization.
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  * Emacs mode for Protocol Buffers (editors/protobuf-mode.el).
Scott Stafford <scott.stafford@gmail.com>
  * Added Swap(), SwapElements(), and RemoveLast() to Reflection interface.
Alexander Melnikov <alm@sibmail.ru>
  * HPUX support.
Oliver Jowett <oliver.jowett@gmail.com>
   * Detect whether zlib is new enough in configure script.
  * Fixes for Solaris 10 32/64-bit confusion.
Evan Jones <evanj@mit.edu>
  * Optimize Java serialization code when writing a small message to a stream.
  * Optimize Java serialization of strings so that UTF-8 encoding happens only
    once per string per serialization call.
  * Clean up some Java warnings.
  * Fix bug with permanent callbacks that delete themselves when run.
Michael Kucharski <m.kucharski@gmail.com>
  * Added CodedInputStream.getTotalBytesRead().
Kacper Kowalik <xarthisius.kk@gmail.com>
  * Fixed m4/acx_pthread.m4 problem for some Linux distributions.
William Orr <will@worrbase.com>
  * Fixed detection of sched_yield on Solaris.
  * Added atomicops for Solaris
Andrew Paprocki <andrew@ishiboo.com>
  * Fixed minor IBM xlC compiler build issues
  * Added atomicops for AIX (POWER)
Nipunn Koorapati <nipunn1313@gmail.com>
  * Provide a type alias field ValueType
on EnumTypeWrapper
  * Match service argument names to abstract interface

1.107 python-pip 24.3.1

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A. HISTORY OF THE SOFTWARE

=========================

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

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

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope
Corporation, see http://www.zope.com). In 2001, the Python Software
Foundation (PSF, see http://www.python.org/psf/) was formed, a
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All Python releases are Open Source (see http://www.opensource.org for
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2.0	1.6	2000	BeOpen.com	no
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2.1	2.0+1.6.1	2001	PSF	no
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2.3	2.2.2	2002-2003	PSF	yes

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2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
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2.5	2.4	2006	PSF	yes
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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
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1.6.1	1.6	2001	CNRI	yes (2)
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2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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1.114 pydantic_core 2.23.4

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This package is used for testing builds of ncurses.

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1.117 python-setuptools 75.5.0
1.117.1 Available under license :

The code contained in this directory was automatically generated using the
following command:

   python -m validate_pyproject.pre_compile --output-dir=setuptools/config/_validate_pyproject --enable-plugins
setuptools distutils --very-verbose -t distutils=setuptools/config/distutils.schema.json -t
setuptools=setuptools/config/setuptools.schema.json

Please avoid changing it manually.

You can report issues or suggest changes directly to `validate-pyproject`
(or to the relevant plugin repository)

- https://github.com/abravalheri/validate-pyproject/issues

***

The following files include code from opensource projects
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- `fastjsonschema_exceptions.py`:
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- `extra_validations.py` and `format.py`, `error_reporting.py`:
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    (https://github.com/abravalheri/validate-pyproject)

Additionally
 the following files are automatically generated by tools provided
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- `__init__.py`
- `fastjsonschema_validations.py`

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***

`fastjsonschema`
================

***

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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 https://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 https://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

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

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

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

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

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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
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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
2.7	2.6	2010	PSF	yes

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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
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All Python releases are Open Source (see http://www.opensource.org for
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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
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2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes

2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1	2010	PSF	yes
3.2	3.1	2010	PSF	yes

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