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1.6 threadloop 1.0.2

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1.7 libyaml 0.2.5

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1.8 toml 0.9.2

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1.9 async-timeout 3.0.1

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1.10 future 0.18.2

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```

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

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

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

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

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

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes

2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4.1	2005	PSF	yes

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""""

1.11 pika 0.13.1

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1.12 dns-python 1.16.0

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1.13 jsonschema 3.0.1

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1.15 visual-studio-runtime 14.00.24210.0

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%% winjs version 4.4.0 (<https://github.com/winjs/winjs>)

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WinJS

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1. Seti UI - A subtle dark colored UI theme for Atom. (<https://github.com/jesseweed/seti-ui>)

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1.17 ubuntu-keyring 2020.02.11.4

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This package was originally put together by Michael Vogt

<michael.vogt@canonical.com>

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1.18 telemetry-agent 1.5.0

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Metadata-Version: 2.1
Name: telemetry-agent
Version: 1.5.0
Summary: Maglev Telemetry Agent (1.5.0)
Home-page: UNKNOWN
License: UNKNOWN
Platform: manylinux1_x86_64
Requires-Dist: setuptools-rust
Requires-Dist: maglev-common (~=1.7.0)
Requires-Dist: maglev-api (~=1.7.0)
Requires-Dist: maglev-internal-api (~=1.7.0)
Requires-Dist: maglev-appserver (~=1.8.0)
Requires-Dist: cert-validator (~=1.5.0)
Requires-Dist: urllib3 (>=1.25.9)

Installation

+ Requires : Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

```
# Testing
TEST_MODE=true START MOCK=True SERVER_NAME=telemetry_agent python -m telemetry_agent
SERVER_NAME=telemetry_agent pytest -s tests/
```

Found in path(s):

```
* /opt/cola/permits/1155096251_1626370123.6/0/telemetry-agent-1-5-0-dist-info-
zip/telemetry_agent_extracted/telemetry_agent-1.5.0-py3-none-any.whl_extracted/telemetry_agent-1.5.0.dist-
info/METADATA
```

1.19 python-json-logger 0.1.11

1.19.1 Available under license :

Format: <https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Upstream-Name: python-json-logger

Source: <https://github.com/madzak/python-json-logger>

Files: *

Copyright: 2011-2018 Zakaria Zajac <madzak42@gmail.com>

License: BSD-2-Clause

Files: debian/*

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1.20 pymongo 3.11.4

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ISO C9x compliant stdint.h for Microsoft Visual Studio

Based on ISO/IEC 9899:TC2 Committee draft (May 6, 2005) WG14/N1124

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1.21 importlib-metadata 4.5.0

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1.22 uvloop 0.14.0

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1.23 contextlib2 21.6.0

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A. HISTORY OF THE SOFTWARE

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contextlib2 is a derivative of the contextlib module distributed by the PSF as part of the Python standard library. According, it is itself redistributed under the PSF license (reproduced in full below). As the contextlib module was added only in Python 2.5, the licenses for earlier Python versions are not applicable and have not been included.

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 that included the contextlib module.

Release	Derived from	Year	Owner	GPL-compatible? (1)
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1.1	2010	PSF	yes
3.1.3	3.1.2	2010	PSF	yes
3.1.4	3.1.3	2011		
PSF	yes			
3.2	3.1	2011	PSF	yes
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1.24 libaudit 1:2.8.5-2ubuntu6

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1.25 libzstd1 1.4.4+dfsg-3ubuntu0.1

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1.26 Isb-base 11.1.0ubuntu2

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1.27 sysvinit-utils 2.96-2.1ubuntu1

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1.28 libdebconfclient0 0.251ubuntu1

1.28.1 Available under license :

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1.29 pinentry-curses 1.1.0-3build1

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Alan Beale <biljir@pobox.com> also deserves special credit as he has, in addition to providing the 12Dicts package and being a major contributor to the ENABLE word list, given me an incredible amount of feedback and created a number of special lists (those found in the Supplement) in order to help improve the overall quality of SCOWL.

The 10 level includes the 1000 most common English words (according to the Moby (TM) Words II [MWords] package), a subset of the 1000 most common words on the Internet (again, according to Moby Words II), and frequently class 16 from Brian Kelk's "UK English Wordlist with Frequency Classification".

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+0100
From: Brian Kelk <Brian.Kelk@cl.cam.ac.uk>

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Date: Tue, 11 Jul 2000 19:31:34 +0100

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```
phonetic_english.h - phonetic transformation rules for use with phonetic.c
# Copyright (C) 2000 Björn Jacke
#
# This rule set is based on Lawrence Phillips original metaphone
# algorithm with modifications made by Michael Kuhn in his
# C implantation, more modifications by Björn Jacke when
# converting the algorithm to a rule set and minor
# touch ups by Kevin Atkinson
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#
# Björn Jacke may be reached by email at bjoern.jacke@gmx.de
#
# Changelog:
#
# 2000-01-05 Björn Jacke <bjoern.jacke@gmx.de>
#     - first version with translation rules derived from
#       metaphone.cc distributed with aspell 0.28.3
#     - "TH" is now represented as "@" because "0" is a
#       meta character
#     - removed TH(!vowel) --> T; always use TH --> # instead
#     - dropped "^AE" -> "E" (redundant)
#     - "ing" is transformed to "N", not "NK"
#     - "SCH(EO)" transforms to "SK" now
#     - added R --> SILENT if (after a vowel) and no (vowel or
#       "y" follows) like in "Marcy" or "abort"
#     - H is SILENT in RH at beginning of words
#     - H is SILENT if vowel leads and "Y" follows
#     - some ".OUGH.." --> ...F exceptions added
#     - "^V" transforms
#       to "W"
# 2000-01-07 Kevin Atkinson <kevinatk@home.com>
#     Converted from header to data file.
#

```

1.34 libpwquality-common 1.4.2-1build1

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```

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1.38 tdb 1.45.5

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1.39 jinja2 3.0.3

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* /opt/cola/permits/1226387220_1636997006.25/0/jinja2-3-0-3-tar-gz/Jinja2-3.0.3/LICENSE.rst

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Metadata-Version: 2.1

Name: Jinja2

Version: 3.0.3

Summary: A very fast and expressive template engine.

Home-page: <https://palletsprojects.com/p/jinja/>

Author: Armin Ronacher

Author-email: armin.ronacher@active-4.com

Maintainer: Pallets

Maintainer-email: contact@palletsprojects.com

License: BSD-3-Clause

Project-URL: Donate, <https://palletsprojects.com/donate>

Project-URL: Documentation, <https://jinja.palletsprojects.com/>

Project-URL: Changes, <https://jinja.palletsprojects.com/changes/>

Project-URL: Source Code, <https://github.com/pallets/jinja/>

Project-URL: Issue Tracker, <https://github.com/pallets/jinja/issues/>

Project-URL: Twitter, <https://twitter.com/PalletsTeam>

Project-URL: Chat, <https://discord.gg/pallets>

Platform: UNKNOWN

Classifier: Development Status :: 5 - Production/Stable

Classifier: Environment :: Web Environment

Classifier: Intended Audience :: Developers

Classifier: License :: OSI Approved :: BSD License

Classifier:

Operating System :: OS Independent

Classifier: Programming Language :: Python

Classifier: Topic :: Internet :: WWW/HTTP :: Dynamic Content

Classifier: Topic :: Text Processing :: Markup :: HTML

Requires-Python: >=3.6

Description-Content-Type: text/x-rst

Provides-Extra: i18n

License-File: LICENSE.rst

Jinja

=====

Jinja is a fast, expressive, extensible templating engine. Special placeholders in the template allow writing code similar to Python syntax. Then the template is passed data to render the final document.

It includes:

- Template inheritance and inclusion.
- Define and import macros within templates.
- HTML templates can use autoescaping to prevent XSS from untrusted user input.
- A sandboxed environment can safely render untrusted templates.

- AsyncIO support for generating templates and calling async functions.
- I18N support with Babel.
- Templates are compiled to optimized Python code just-in-time and cached, or can be compiled ahead-of-time.
-
- Exceptions point to the correct line in templates to make debugging easier.
- Extensible filters, tests, functions, and even syntax.

Jinja's philosophy is that while application logic belongs in Python if possible, it shouldn't make the template designer's job difficult by restricting functionality too much.

Installing

Install and update using `pip`_:

.. code-block:: text

```
$ pip install -U Jinja2
```

.. _pip: <https://pip.pypa.io/en/stable/getting-started/>

In A Nutshell

.. code-block:: jinja

```
{% extends "base.html" %}
{% block title %}Members{% endblock %}
{% block content %}
<ul>
{% for user in users %}
<li><a href="{{ user.url }}">{{ user.username }}</a></li>
{% endfor %}
</ul>
{% endblock %}
```

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allow the maintainers to devote more time
to the projects, `please`
donate today`_.

.. `please donate today: <https://palletsprojects.com/donate>

Links

- Documentation: <https://jinja.palletsprojects.com/>
- Changes: <https://jinja.palletsprojects.com/changes/>
- PyPI Releases: <https://pypi.org/project/Jinja2/>
- Source Code: <https://github.com/pallets/jinja/>
- Issue Tracker: <https://github.com/pallets/jinja/issues/>
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* /opt/cola/permits/1226387220_1636997006.25/0/jinja2-3-0-3-tar-gz/Jinja2-3.0.3/src/Jinja2.egg-info/PKG-INFO

* /opt/cola/permits/1226387220_1636997006.25/0/jinja2-3-0-3-tar-gz/Jinja2-3.0.3/PKG-INFO

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

[metadata]

name = Jinja2

version = attr: jinja2.__version__

url = <https://palletsprojects.com/p/jinja/>

project_urls =

Donate = <https://palletsprojects.com/donate>

Documentation = <https://jinja.palletsprojects.com/>

Changes = <https://jinja.palletsprojects.com/changes/>

Source Code = <https://github.com/pallets/jinja/>

Issue Tracker = <https://github.com/pallets/jinja/issues/>

Twitter = <https://twitter.com/PalletsTeam>

Chat = <https://discord.gg/pallets>

license = BSD-3-Clause

license_files = LICENSE.rst

author = Armin Ronacher

author_email = armin.ronacher@active-4.com

maintainer = Pallets

maintainer_email = contact@palletsprojects.com

description = A very fast and expressive template engine.

long_description = file: README.rst

long_description_content_type = text/x-rst

classifiers =

Development Status :: 5 - Production/Stable

Environment :: Web Environment

Intended Audience :: Developers
License :: OSI Approved ::
BSD License
Operating System :: OS Independent
Programming Language :: Python
Topic :: Internet :: WWW/HTTP :: Dynamic Content
Topic :: Text Processing :: Markup :: HTML

[options]

packages = find:
package_dir == src
include_package_data = true
python_requires = >= 3.6

[options.packages.find]

where = src

[options.entry_points]

babel.extractors =
jinja2 = jinja2.ext:babel_extract[!18n]

[tool:pytest]

testpaths = tests
filterwarnings =
error
ignore:The loop argument:DeprecationWarning:asyncio[.]base_events:542

[coverage:run]

branch = True
source =
jinja2
tests

[coverage:paths]

source =
src
*/site-packages

[flake8]

select = B, E, F, W, B9, ISC
ignore =
E203
E501
E722
W503
max-line-length = 80
per-file-ignores =
src/jinja2/__init__.py: F401

```
[mypy]
files = src/jinja2
python_version = 3.6
disallow_subclassing_any = True
disallow_untyped_calls = True
disallow_untyped_defs = True
disallow_incomplete_defs = True
no_implicit_optional = True
local_partial_types = True
no_implicit_reexport
= True
strict_equality = True
warn_redundant_casts = True
warn_unused_configs = True
warn_unused_ignores = True
warn_return_any = True
warn_unreachable = True
```

```
[mypy-jinja2.defaults]
no_implicit_reexport = False
```

```
[mypy-markupsafe]
no_implicit_reexport = False
```

```
[egg_info]
tag_build =
tag_date = 0
```

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* /opt/cola/permits/1226387220_1636997006.25/0/jinja2-3-0-3-tar-gz/Jinja2-3.0.3/setup.cfg

1.40 chardet 3.0.4

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Version 2.1, February 1999

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

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

Section 6 states terms for distribution of such executables.

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

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

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

Any executables

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

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

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

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

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

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

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

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

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

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

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1.41 libsaslmodules 2.1.27+dfsg-2ubuntu0.1

1.41.1 Available under license :

Format: <http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Upstream-Name: Cyrus SASL

Source: <ftp://ftp.cyrusimap.org/cyrus-sasl/>

Files-Excluded: dlcompat-20010505

doc/rfc*

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Files: *

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Version 3, 29 June 2007

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The

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Upstream-Name: Cyrus SASL

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* Tim Martin

* Rob Earhart

* Rob Siemborski

*/

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// inspired by go, go-Commander, gh and subcommand
```

1.45 oscrypto 1.3.0

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1.46 markupsafe 2.1.1

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Metadata-Version: 2.1

Name: MarkupSafe

Version: 2.1.1

Summary: Safely add untrusted strings to HTML/XML markup.

Home-page: <https://palletsprojects.com/p/markupsafe/>
Author: Armin Ronacher
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Maintainer: Pallets
Maintainer-email: contact@palletsprojects.com
License: BSD-3-Clause
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Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python
Classifier: Topic :: Internet :: WWW/HTTP :: Dynamic Content
Classifier: Topic :: Text Processing :: Markup :: HTML
Requires-Python: >=3.7
Description-Content-Type: text/x-rst
License-File: LICENSE.rst

MarkupSafe

=====

MarkupSafe implements a text object that escapes characters so it is safe to use in HTML and XML. Characters that have special meanings are replaced so that they display as the actual characters. This mitigates injection attacks, meaning untrusted user input can safely be displayed on a page.

Installing

Install and update using `pip`_:

```
.. code-block:: text
```

```
    pip install -U MarkupSafe
```

```
.. _pip: https://pip.pypa.io/en/stable/getting-started/
```

Examples

.. code-block:: pycon

```
>>> from markupsafe import Markup, escape

>>> # escape replaces special characters and wraps in Markup
>>> escape("<script>alert(document.cookie);</script>")
Markup('&lt;script&gt;alert(document.cookie);&lt;/script&gt;')

>>> # wrap in Markup to mark text "safe" and prevent escaping
>>> Markup("<strong>Hello</strong>")
Markup('<strong>hello</strong>')

>>> escape(Markup("<strong>Hello</strong>"))
Markup('<strong>hello</strong>')

>>> # Markup is a str subclass
>>> # methods and operators escape their arguments
>>> template = Markup("Hello <em>{ name }</em>")
>>> template.format(name="World")
Markup('Hello <em>&#34;World&#34;</em>')
```

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Links

- Documentation: <https://markupsafe.palletsprojects.com/>
- Changes: <https://markupsafe.palletsprojects.com/changes/>
-
- PyPI Releases: <https://pypi.org/project/MarkupSafe/>
- Source Code: <https://github.com/pallets/markupsafe/>
- Issue Tracker: <https://github.com/pallets/markupsafe/issues/>
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Found in path(s):

* /opt/cola/permits/1306998841_1649871237.78/0/markupsafe-2-1-1-tar-gz/MarkupSafe-2.1.1/PKG-INFO

* /opt/cola/permits/1306998841_1649871237.78/0/markupsafe-2-1-1-tar-gz/MarkupSafe-2.1.1/src/MarkupSafe.egg-info/PKG-INFO

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[metadata]

name = MarkupSafe

version = attr: markupsafe.__version__

url = <https://palletsprojects.com/p/markupsafe/>

project_urls =

Donate = <https://palletsprojects.com/donate>

Documentation = <https://markupsafe.palletsprojects.com/>

Changes = <https://markupsafe.palletsprojects.com/changes/>

Source Code = <https://github.com/pallets/markupsafe/>

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license = BSD-3-Clause

license_files = LICENSE.rst

author = Armin Ronacher

author_email = armin.ronacher@active-4.com

maintainer = Pallets

maintainer_email = contact@palletsprojects.com

description = Safely add untrusted strings to HTML/XML markup.

long_description = file: README.rst

long_description_content_type = text/x-rst

classifiers =

Development Status :: 5 - Production/Stable

Environment :: Web Environment

Intended Audience ::

Developers

License :: OSI Approved :: BSD License

Operating System :: OS Independent

Programming Language :: Python

Topic :: Internet :: WWW/HTTP :: Dynamic Content

Topic :: Text Processing :: Markup :: HTML

[options]

packages = find:

package_dir = = src

include_package_data = True

python_requires = >= 3.7

[options.packages.find]

where = src

```
[tool:pytest]
testpaths = tests
filterwarnings =
error
```

```
[coverage:run]
branch = True
source =
markupsafe
tests
```

```
[coverage:paths]
source =
src
*/site-packages
```

```
[flake8]
select = B, E, F, W, B9, ISC
ignore =
E203
E501
E722
W503
max-line-length = 80
```

```
[mypy]
files = src/markupsafe
python_version = 3.7
show_error_codes = True
disallow_subclassing_any = True
disallow_untyped_calls = True
disallow_untyped_defs = True
disallow_incomplete_defs = True
no_implicit_optional = True
local_partial_types = True
no_implicit_reexport = True
strict_equality = True
warn_redundant_casts = True
warn_unused_configs = True
warn_unused_ignores = True
warn_return_any
= True
warn_unreachable = True
```

```
[egg_info]
tag_build =
tag_date = 0
```

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```

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1.48 wrapt 1.14.1

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1.49 python3-asn1crypto 1.5.1

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1.51 pyformance 0.4

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1.52 jaeger-client 4.2.0

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We gratefully welcome improvements to documentation as well as to code.

Developing

This repository uses [virtualenv](https://pypi.python.org/pypi/virtualenv) and `pip` to manage dependencies. To install all dependencies, run:

1. `virtualenv env`
2. `source env/bin/activate`
3. `make bootstrap`
4. `make test`

Thrift

Thrift files are generated via `make thrift`. The IDL files are pulled from `jaeger-idl` repo which is defined as a submodule.

pycurl

On MacOS you may get an error:

...

```
ImportError: pycurl: libcurl link-time ssl backend (openssl) is different from compile-time  
ssl backend (none/other)
```

...

It can be fixed with:

...

```
pip uninstall pycurl  
export LDFLAGS="-L/usr/local/opt/openssl/lib"  
export CPPFLAGS="-I/usr/local/opt/openssl/include"  
export PYCURL_SSL_LIBRARY=openssl  
pip install --no-cache-dir --compile --ignore-installed --install-option="--with-openssl" --install-option="--openssl-  
dir=/usr/local/opt/openssl" pycurl
```

...

Making A Change

Before making any significant changes, please [open an issue](https://github.com/jaegertracing/jaeger-client-python/issues).

Discussing your proposed changes ahead of time will make the contribution process smooth for everyone.

Once we've discussed your changes and you've got your code ready, make sure that tests are passing (`make test`) and open your pull request.

Your pull request is most likely to be accepted if it:

- * Includes tests for new functionality.
- * Has a [good commit message](https://chris.beams.io/posts/git-commit/):

- * Separate subject from body with a blank line
- * Limit the subject line to 50 characters
- * Capitalize the subject line
- * Do not end the subject line with a period
- * Use the imperative mood in the subject line
- * Wrap the body at 72 characters
- * Use the body to explain `_what_` and `_why_` instead of `_how_`
- * Each commit is signed by the author ([see below](#sign-your-work)).

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...

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The sign-off is a simple line at the end of the explanation for the patch, which certifies that you wrote it or otherwise have the right to pass it on as an open-source patch. The rules are pretty simple: if you can certify the below (from developercertificate.org):

...

Developer Certificate of Origin
Version 1.1

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By making a contribution to this project, I certify that:

(a) The contribution was created in whole or in part by me and I have the right to submit it under the open source license indicated in the file; or

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(d) I understand and agree that this project and the contribution are public and that a record of the contribution (including all personal information

I submit with it, including my sign-off) is

maintained indefinitely and may be redistributed consistent with this project or the open source license(s) involved.

^^^

then you just add a line to every git commit message:

Signed-off-by: Joe Smith <joe@gmail.com>

using your real name (sorry, no pseudonyms or anonymous contributions.)

You can add the sign off when creating the git commit via ``git commit -s``.

If you want this to be automatic you can set up some aliases:

...

```
git config --add alias.amend "commit -s --amend"
```

```
git config --add alias.c "commit -s"
```

...

Found in path(s):

```
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/CONTRIBUTING.md
```

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

update-license:

Found in path(s):

```
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/Makefile
```

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

```
license='Apache License 2.0',
```

Found in path(s):

```
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/setup.py
```

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```
# Licensed under the Apache License, Version 2.0 (the "License");
```

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

```
# You may obtain a copy of the License at
```

```
# http://www.apache.org/licenses/LICENSE-2.0
```

```
# distributed under the License is distributed on an "AS IS" BASIS,
```

Found in path(s):

```
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/span_context.py
```

```
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/metrics/metrics.py
```

```
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_tracer.py
```

```
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/conftest.py
```

```
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_local_agent_net.py
```

```
*
```

```
/opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_metrics.py
```

```
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_tracer_benchmark.py
```

```
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/__init__.py
```

```
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/codecs.py
```



```

* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/crossdock/server/server.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_codecs.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/tracer.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_config.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/config.py
*
/opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_api.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/ioloop_util.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/reporter.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/crossdock/server/thriftrw_serializer.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/sampler.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/crossdock/server/constants.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/__init__.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_sampler.py
*
/opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_span.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_span_context.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_throttler.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_rate_limiter.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_reporter.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/span.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/TUDPTTransport.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/local_agent_net.py
*
/opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_crossdock.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-

```

4.2.0/tests/test_thrift.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/crossdock/server/serializer.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/crossdock/server/__init__.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/thrift.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/constants.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_TUDPTransport.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_prometheus.py
*
/opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_noop_tracer.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_utils.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/metrics/prometheus.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/rate_limiter.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/tests/test_traceback_log.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/crossdock/server/endtoend.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/utils.py
*
/opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/metrics/__init__.py
* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client/throttler.py

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

Metadata-Version: 2.1

Name: jaeger-client

Version: 4.2.0

Summary: Jaeger Python OpenTracing Tracer implementation

Home-page: <https://github.com/jaegertracing/jaeger-client-python>

Author: Yuri Shkuro

Author-email: ys@uber.com

License: Apache License 2.0

Description: UNKNOWN

Keywords: jaeger, tracing, opentracing

Platform: UNKNOWN

Classifier: Development Status :: 5 - Production/Stable

Classifier: Intended Audience :: Developers

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

Classifier: Natural Language :: English

Classifier: Programming Language :: Python :: 2.7

Classifier: Programming Language :: Python :: 3.5

Classifier: Programming Language :: Python :: 3.6

Provides-Extra: tests

Found in path(s):

* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/PKG-INFO

* /opt/cola/permits/1330069848_1652923718.2967277/0/jaeger-client-4-2-0-tar-gz/jaeger-client-4.2.0/jaeger_client.egg-info/PKG-INFO

1.53 opentracing-instrumentation 3.3.1

1.53.1 Available under license :

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1.54 pcre 2:8.39-12ubuntu0.1

1.54.1 Available under license :

This is Debian GNU/Linux's prepackaged version of the PCRE regular expression library and associated `grep` utility.

This package was put together by me, Mark Baker <mbaker@iee.org> from the original sources obtained from ftp.csx.cam.ac.uk/pub/software/programming/pcre.

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The basic library functions are written in C and are freestanding. Also included in the distribution is a set of C++ wrapper functions.

THE BASIC LIBRARY FUNCTIONS

Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

University of Cambridge Computing Service,
Cambridge, England.

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THE C++ WRAPPER FUNCTIONS

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End

1.55 semantic-version 2.10.0

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1.56 libcom-err 1.45.5-2ubuntu1.1

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Gadi Oxman, August 1995

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

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```

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```
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```

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

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

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

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Theodore Ts'o
23-June-2007

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```

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

<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

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

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

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

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This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

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

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

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1.57 logsave 1.45.5-2ubuntu1.1

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```
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```

```
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1.58 libss 1.45.5-2ubuntu1.1

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```

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```

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```
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```

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

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consider

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

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1.60 motor 2.4.0

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*

/opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/ext/bytes.h
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/ext/bytes.c
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/ext/thrift_native.c
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/ext/strncpy.c
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/ext/struct.c
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*
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/ext/struct.h
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/ext/constants.h
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/ext/compact_protocol.h
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/ext/strncpy.h
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- * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/multiplexed_processor.rb
- * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/protocol/multiplexed_protocol.rb
- * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/server/thread_pool_server.rb
- * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/flat_spec.rb
- * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/transport/framed_transport.rb
- * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/struct_nested_containers_spec.rb
- *
- /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/serializer/deserializer.rb
- * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/server_socket_spec.rb

- * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/socket_spec_shared.rb
- * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/types.rb
- * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/transport/unix_socket.rb
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- * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/thin_http_server_spec.rb
- * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/transport/memory_buffer_transport.rb
- * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/transport/server_socket.rb
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- * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/binary_protocol_accelerated_spec.rb
- * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/transport/unix_server_socket.rb
- * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/compact_protocol_spec.rb
- * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/protocol/json_protocol.rb
- * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/protocol/binary_protocol_accelerated.rb
- *
- /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/transport/buffered_transport.rb
- * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/server_spec.rb
- * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/thrift_native.rb
- * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/BaseService.thrift
- * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/exceptions.rb
- * /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/ssl_socket_spec.rb

```

* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/lib/thrift/server/nonblocking_server.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/lib/thrift/transport/ssl_socket.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/ExtendedService.thrift
*
/opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/lib/thrift/server/thin_http_server.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/processor.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/namespaced_spec.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/lib/thrift/protocol/compact_protocol.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/lib/thrift/server/mongrel_http_server.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/lib/thrift/protocol/base_protocol.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/union.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/lib/thrift/transport/io_stream_transport.rb
*
/opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/lib/thrift/transport/base_transport.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/lib/thrift/serializer/serializer.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/ext/extconf.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/struct_union.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/unix_socket_spec.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/exception_spec.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/benchmark/benchmark.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/lib/thrift/server/simple_server.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/lib/thrift/bytes.rb
*
/opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/lib/thrift/server/threaded_server.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/types_spec.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/struct_spec.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/benchmark/client.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/lib/thrift/transport/ssl_server_socket.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/serializer_spec.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/bytes_spec.rb
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/benchmark/Benchmark.thrift
* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/spec/client_spec.rb
*
/opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-
gz/spec/binary_protocol_spec_shared.rb

```


* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/benchmark/thin_server.rb
No license file was found, but licenses were detected in source scan.

Thrift Ruby Software Library
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== DESCRIPTION:

Thrift is a strongly-typed language-agnostic RPC system. This library is the ruby implementation for both clients and servers.

== INSTALL:

```
$ gem install thrift
```

== CAVEATS:

This library provides the client and server implementations of thrift. It does *not* provide the compiler for the .thrift files. To compile .thrift files into language-specific implementations, please download the full thrift software package.

== USAGE:

This section should get written by someone with the time and inclination. In the meantime, look at existing code, such as the benchmark or the tutorial in the full thrift distribution.

Found in path(s):

* /opt/cola/permits/1343792944_1655154206.7248805/0/thrift-0-16-0-gem/data-tar-gz/README.md

1.62 python-requests 2.28.1

1.62.1 Available under license :

Requests

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1.63 gpgv 2.2.19-3ubuntu2.2

1.63.1 Available under license :

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Version 3, 29 June 2007

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1.67 pymongo[srv] 3.11.4

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ISO C9x compliantstdint.h for Microsoft Visual Studio

Based on ISO/IEC 9899:TC2 Committee draft (May 6, 2005) WG14/N1124

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1.68 maglev-fips 1.0.0

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* /opt/cola/permits/1230758053_1657923836.2243383/0/maglev-fips-1-0-0-tar-gz/maglev-fips-1.0.0/setup.py

1.69 attrs 22.1.0

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1.70 yarl 1.8.1

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1.71 charset-normalizer 2.1.1

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1.72 urllib3 1.26.12

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1.74 six 1.16.0

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1.75 tomli 2.0.1

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1.76 pycparser 2.21

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1.77 pyrsistent 0.18.1

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1.78 pyjwt 2.4.0

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1.79 multidict 6.0.2

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1.80 aiohttp-swagger 1.0.16

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1.81 pyyaml 6.0

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1.82 idna 3.4

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1.83 idna 15.0.0

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1.84 python-certifi 2022.9.24

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ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt>

It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php_curl, or with an Apache+mod_ssl webserver for SSL client authentication. Just configure this file as the SSLCACertificateFile.#

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

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

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2.0	1.6	2000	BeOpen.com	no
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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1.86 zipp 3.9.0

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1.87 zlib1g 1:1.2.11.dfsg-2ubuntu1.5

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

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

The data format used by the zlib library is described by RFCs (Request for

Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

*/

1.88 platformdirs 2.6.2

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```

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```
@macro copynext{ }
@vskip 20pt plus 1fil
@end macro
```

@macro copyrightstart{ }

@end macro

@macro copyrightend{ }

@end macro

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@comment node-name, next, previous, up

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GSS-API mechg glue layer.

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@item GSS-API CFX, SPNEGO, naming extensions, API extensions.

@item KCM credential cache.

@item HDB LDAP backend.

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
@author Paulo Barreto <paulo.barreto@terra.com.br>

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DES core in libhcrypto

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libblkid/src/*

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libblkid/src/partitions/*

libblkid/src/superblocks/*

libblkid/src/topology/*

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Theodore Ts'o.

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lib/randutils.c

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

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

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```
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```

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

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The

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1.105 fdisk 2.34-0.1ubuntu9.4

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1.107 githubcompelletiergotoml v1.9.4

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localtime.go, localtime_test.go:

Originals:

<https://raw.githubusercontent.com/googleapis/google-cloud-go/ed46f5086358513cf8c25f8e3f022cb838a49d66/civil/civil.go>

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Changes:

- * Renamed files from civil* to localtime*.
- * Package changed from civil to toml.
- * 'Local' prefix added to all structs.

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1.108 spf13-pflag v1.0.5

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1.109 cffi 1.16.0

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1.110 gmp 2:6.2.0+dfsg-4ubuntu0.1

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```
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under certain conditions; type `show c' for details.
```

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1.111 go-toml 1.9.4

1.111.1 Available under license :

The bulk of github.com/pelletier/go-toml is distributed under the MIT license (see below), with the exception of [localtime.go](https://github.com/pelletier/localtime.go) and [localtime.test.go](https://github.com/pelletier/localtime.test.go).

Those two files have been copied over from Google's civil library at revision [ed46f5086358513cf8c25f8e3f022cb838a49d66](https://github.com/pelletier/civil-library/commit/ed46f5086358513cf8c25f8e3f022cb838a49d66), and are distributed under the Apache 2.0 license (see below).

github.com/pelletier/go-toml:

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localtime.go, localtime_test.go:

Originals:

<https://raw.githubusercontent.com/googleapis/google-cloud-go/ed46f5086358513cf8c25f8e3f022cb838a49d66/civil/civil.go>

https://raw.githubusercontent.com/googleapis/google-cloud-go/ed46f5086358513cf8c25f8e3f022cb838a49d66/civil/civil_test.go

Changes:

- * Renamed files from civil* to localtime*.
- * Package changed from civil to toml.
- * 'Local' prefix added to all structs.

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Version 2.0, January 2004

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1.112 pflag 1.0.5

1.112.1 Available under license :

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1.113 libapt-pkg 2.0.10

1.113.1 Available under license :

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Desired=Unknown/Install/Remove/Purge/Hold

| Status=Not/Inst/Conf-files/Unpacked/halF-conf/Half-inst/trig-aWait/Trig-pend

/ Err?=(none)/Reinst-required (Status,Err: uppercase=bad)

// Name	Version	Architecture	Description
ii a11y-profile-manager-indicator	0.1.10-0ubuntu3	amd64	Accessibility Profile Manager - Unity desktop indicator
ii account-plugin-facebook	0.12+16.04.20160126-0ubuntu1	all	GNOME Control Center account plugin for single signon - facebook
ii account-plugin-flickr	0.12+16.04.20160126-0ubuntu1	all	GNOME Control Center account plugin for single signon - flickr
ii account-plugin-google	0.12+16.04.20160126-0ubuntu1	all	GNOME Control Center account plugin for single signon
ii accountsservice	0.6.40-2ubuntu11.3	amd64	query and manipulate user account information
ii acl	2.2.52-3	amd64	Access control list utilities
ii acpi-support	0.142	amd64	scripts for handling many ACPI events
ii acpid	1:2.0.26-1ubuntu2	amd64	Advanced Configuration and Power Interface event daemon
ii activity-log-manager	0.9.7-0ubuntu23	amd64	blacklist configuration user interface for Zeitgeist
ii adduser	3.113+nmu3ubuntu4	all	add and remove users and groups
ii adium-theme-ubuntu	0.3.4-0ubuntu1.1	all	Adium message style for Ubuntu
ii adwaita-icon-theme	3.18.0-2ubuntu3.1	all	default icon theme of GNOME (small subset)
ii aisleriot	1:3.18.2-1ubuntu1	amd64	GNOME solitaire card game collection
ii alsa-base	1.0.25+dfsg-0ubuntu5	all	ALSA driver configuration files
ii alsa-utils	1.1.0-0ubuntu5	amd64	Utilities for configuring and using ALSA
ii anacron	2.3-23	amd64	cron-like program that doesn't go by time
ii ant	1.9.6-1ubuntu1	all	Java based build tool like make
ii ant-optional	1.9.6-1ubuntu1	all	Java based build tool like make - optional libraries
ii apg	2.2.3.dfsg.1-2ubuntu1	amd64	Automated Password Generator - Standalone version
ii app-install-data	15.10	all	Ubuntu applications (data files)
ii app-install-data-partner	16.04	all	Application Installer (data files for partner applications/repositories)
ii apparmor	2.10.95-0ubuntu2.5	amd64	user-space parser

utility for AppArmor				
ii appmenu-qt:amd64 menu for Qt	0.2.7+14.04.20140305-0ubuntu2	amd64	application	
ii appmenu-qt5 menu for Qt5	0.3.0+16.04.20151130-0ubuntu1	amd64	application	
ii apport reports for debugging	2.20.1-0ubuntu2.5	all	automatically generate crash	
ii apport-gtk apport crash report system	2.20.1-0ubuntu2.5	all	GTK+ frontend for the	
ii apport-symptoms all symptom scripts for apport	0.20			
ii appstream index	0.9.4-1ubuntu2	amd64	Software component	
ii apt	1.2.18	amd64	commandline package manager	
ii apt-transport-https for APT	1.2.18	amd64	https download transport	
ii apt-utils utility programs	1.2.18	amd64	package management related	
ii aptdaemon package management service	1.1.1+bzr982-0ubuntu14	all	transaction based	
ii aptdaemon-data files for clients	1.1.1+bzr982-0ubuntu14	all	data	
ii apturl apt protocol - GTK+ frontend	0.5.2ubuntu11.1	amd64	install packages using the	
ii apturl-common the apt protocol - common data	0.5.2ubuntu11.1	amd64	install packages using	
ii aspell checker	0.60.7~20110707-3build1	amd64	GNU Aspell spell-	
ii aspell-en Aspell	7.1-0-1.1	all	English dictionary for GNU	
ii asymptote language inspired by MetaPost	2.37-1	amd64	script-based vector graphics	
ii asymptote-doc and examples for asymptote	2.37-1	all	documentation	
ii at-spi2-core Service Provider Interface (dbus core)	2.18.3-4ubuntu1	amd64	Assistive Technology	
ii atom 21st Century.	1.8.0	amd64	A hackable text editor for the	
ii autotools-dev config.{guess,sub} files	20150820.1	all	Update infrastructure for	
ii avahi-autoipd network address configuration daemon	0.6.32~rc+dfsg-1ubuntu2	amd64	Avahi IPv4LL	
ii avahi-daemon mDNS/DNS-SD daemon	0.6.32~rc+dfsg-1ubuntu2	amd64	Avahi	
ii avahi-utils browsing, publishing and discovery utilities	0.6.32~rc+dfsg-1ubuntu2	amd64	Avahi	
ii bamfdaemon matching library - daemon	0.5.3~bzr0+16.04.20160824-0ubuntu1	amd64	Window	

ii baobab analyzer	3.18.1-1ubuntu1	amd64	GNOME disk usage
ii base-files miscellaneous files	9.4ubuntu4.3	amd64	Debian base system
ii base-passwd password and group files	3.5.39	amd64	Debian base system master
ii bash	4.3-14ubuntu1.1	amd64	GNU Bourne Again SHell
ii bash-completion completion for the bash shell	1:2.1-4.2ubuntu1.1	all	programmable
ii bc calculator language	1.06.95-9build1	amd64	GNU bc arbitrary precision
ii bind9-host bundled with BIND 9.X	1:9.10.3.dfsg.P4-8ubuntu1.4	amd64	Version of 'host'
ii binfmt-support formats	2.1.6-1	amd64	Support for extra binary
ii binutils linker and binary utilities	2.26.1-1ubuntu1~16.04.3	amd64	GNU assembler,
ii bison generator	2:3.0.4.dfsg-1	amd64	YACC-compatible parser
ii blt Tcl/Tk - run-time	2.5.3+dfsg-3	amd64	graphics extension library for
ii bluez	5.37-0ubuntu5	amd64	Bluetooth tools and daemons
ii bluez-cups for CUPS	5.37-0ubuntu5	amd64	Bluetooth printer driver
ii bluez-obexd	5.37-0ubuntu5	amd64	bluez obex daemon
ii brackets	1.8.0libgcrypto11-17108+1~webupd8~0	amd64	Brackets
ii branding-ubuntu Ubuntu branding	0.8	all	Replacement artwork with
ii brltty person using a braille display	5.3.1-2ubuntu2.1	amd64	Access software for a blind
ii bsdmainutils	9.0.6ubuntu3	amd64	collection of more utilities from FreeBSD
ii bsdtutils 4.4BSD-Lite	1:2.27.1-6ubuntu3.2	amd64	basic utilities from
ii build-essential build-essential packages	12.1ubuntu2	amd64	Informational list of
ii busybox-initramfs setup for initramfs	1:1.22.0-15ubuntu1	amd64	Standalone shell
ii busybox-static shell with tons of builtin utilities	1:1.22.0-15ubuntu1	amd64	Standalone rescue
ii byacc LALR Yacc parser generator	20140715-1	amd64	public domain Berkeley
ii bzip2	1.0.6-8	amd64	high-quality block-sorting file compressor - utilities
ii ca-certificates	20160104ubuntu1	all	Common CA certificates
ii ca-certificates-mono	4.2.1.102+dfsg2-7ubuntu4	all	Common CA

certificates (Mono keystore)				
ii ccache	3.2.4-1	amd64		Compiler cache for fast
recompilation of C/C++ code				
ii checkbox-converged	1.2.4-0ubuntu1		all	testing tool for all
Ubuntu devices				
ii checkbox-gui	1.2.4-0ubuntu1		all	QML based interface for
checkbox (transitional package)				
ii checkinstall	1.6.2-4ubuntu1			
amd64 installation tracker				
ii cheese	3.18.1-2ubuntu3	amd64		tool to take pictures and
videos from your webcam				
ii cheese-common	3.18.1-2ubuntu3		all	Common files for the
Cheese tool to take pictures and videos				
ii chromium-codecs-ffmpeg-extra	55.0.2883.87-0ubuntu0.16.04.1263		amd64	Extra
ffmpeg codecs for the Chromium Browser				
ii clang	1:3.8-33ubuntu3.1	amd64		C, C++ and Objective-C
compiler (LLVM based)				
ii clang-3.8	1:3.8-2ubuntu4	amd64		C, C++ and Objective-C
compiler (LLVM based)				
ii cli-common	0.9+nmu1			
all common files between all CLI packages				
ii cli-common-dev	0.9+nmu1		all	common files for building
CLI packages				
ii cmake	3.5.1-1ubuntu3	amd64		cross-platform, open-
source make system				
ii cmake-curses-gui	3.5.1-1ubuntu3		amd64	curses based user
interface for CMake (ccmake)				
ii cmake-data	3.5.1-1ubuntu3		all	CMake data files
(modules, templates and documentation)				
ii colord	1.2.12-1ubuntu1		amd64	system service to manage
device colour profiles -- system daemon				
ii colord-data	1.2.12-1ubuntu1		all	system service to manage device colour profiles -- data files
of packages in interactive bash sessions				
ii command-not-found	0.3ubuntu16.04.2		all	Suggest installation
of packages in interactive bash sessions				
ii command-not-found-data	0.3ubuntu16.04.2		amd64	Set of data files
for command-not-found.				
ii compiz	1:0.9.12.2+16.04.20160823-0ubuntu1		all	OpenGL window
and compositing manager				
ii compiz-core	1:0.9.12.2+16.04.20160823-0ubuntu1		amd64	OpenGL
window and compositing manager				
ii compiz-gnome	1:0.9.12.2+16.04.20160823-0ubuntu1		amd64	OpenGL
window and compositing manager - GNOME window decorator				
ii compiz-plugins-default:amd64	1:0.9.12.2+16.04.20160823-0ubuntu1		amd64	OpenGL window and compositing
manager - default plugins				
ii compizconfig-settings-manager	1:0.9.12.2+16.04.20160823-0ubuntu1		all	Compiz
configuration settings manager				

ii console-setup setup program	1.108ubuntu15.2	all	console font and keymap
ii console-setup-linux console-setup	1.108ubuntu15.2	all	Linux specific part of
ii coreutils	8.25-2ubuntu2	amd64	GNU core utilities
ii cpio to manage archives of files	2.11+dfsg-5ubuntu1	amd64	GNU cpio -- a program
ii cpp 4:5.3.1-1ubuntu1	amd64	amd64	GNU C preprocessor (cpp)
ii cpp-4.9	4.9.3-13ubuntu2	amd64	GNU C preprocessor
ii cpp-5	5.4.0-6ubuntu1~16.04.4	amd64	GNU C preprocessor
ii cracklib-runtime password checker library cracklib2	2.9.2-1build2	amd64	runtime support for
ii crda Domain Agent	3.13-1	amd64	wireless Central Regulatory
ii cron daemon	3.0pl1-128ubuntu2	amd64	process scheduling
ii cryptsetup disk encryption support - startup scripts	2:1.6.6-5ubuntu2	amd64	
ii cryptsetup-bin support - command line tools	2:1.6.6-5ubuntu2	amd64	disk encryption
ii cups System(tm) - PPD/driver support, web interface	2.1.3-4	amd64	Common UNIX Printing
ii cups-backend-bjnp Canon BJNP protocol	2.0-0ubuntu2	amd64	printer backend for
ii cups-browsed Filters - cups-browsed	1.8.3-2ubuntu3.1	amd64	OpenPrinting CUPS
ii cups-bsd System(tm) - BSD commands	2.1.3-4	amd64	Common UNIX Printing
ii cups-client amd64 Common UNIX Printing System(tm) - client programs (SysV)	2.1.3-4		
ii cups-common System(tm) - common files	2.1.3-4	all	Common UNIX Printing
ii cups-core-drivers System(tm) - PPD-less printing	2.1.3-4	amd64	Common UNIX Printing
ii cups-daemon System(tm) - daemon	2.1.3-4	amd64	Common UNIX Printing
ii cups-filters Filters - Main Package	1.8.3-2ubuntu3.1	amd64	OpenPrinting CUPS
ii cups-filters-core-drivers Filters - PPD-less printing	1.8.3-2ubuntu3.1	amd64	OpenPrinting CUPS
ii cups-pk-helper amd64 PolicyKit helper to configure cups with fine-grained privileges	0.2.5-2ubuntu2		
ii cups-ppdc System(tm) - PPD manipulation utilities	2.1.3-4	amd64	Common UNIX Printing
ii cups-server-common System(tm) - server common files	2.1.3-4	all	Common UNIX Printing
ii curl	7.47.0-1ubuntu2.2	amd64	command line tool for

transferring data with URL syntax			
ii dash	0.5.8-2.1ubuntu2	amd64	POSIX-compliant shell
ii dbus	1.10.6-1ubuntu3.3	amd64	simple interprocess
messaging system (daemon and utilities)			
ii dbus-x11	1.10.6-1ubuntu3.3	amd64	simple interprocess messaging system
(X11 deps)			
ii dc	1.06.95-9build1	amd64	GNU dc arbitrary precision
reverse-polish calculator			
ii dconf-cli	0.24.0-2	amd64	simple configuration storage
system - utilities			
ii dconf-gsettings-backend:amd64	0.24.0-2	amd64	simple
configuration storage system - GSettings back-end			
ii dconf-gsettings-backend:i386	0.24.0-2	i386	simple configuration
storage system - GSettings back-end			
ii dconf-service	0.24.0-2	amd64	simple configuration
storage system - D-Bus service			
ii debconf	1.5.58ubuntu1	all	Debian configuration
management system			
ii debconf-i18n	1.5.58ubuntu1	all	full internationalization
support for debconf			
ii debhelper	9.20160115ubuntu3	all	helper programs for
debian/rules			
ii debianutils	4.7	amd64	Miscellaneous utilities
specific to Debian			
ii deja-dup	34.2-0ubuntu1.1	amd64	Back up your files
ii deja-dup-backend-gvfs	34.2-0ubuntu1.1	all	Remote server
support for Déjà Dup			
ii desktop-file-utils	0.22-1ubuntu5	amd64	Utilities for .desktop files
ii dh-python	2.20151103ubuntu1.1	all	Debian helper tools for
packaging Python libraries and applications			
ii dh-strip-nondeterminism	0.015-1	all	debhelper add-on to strip
non-determinism from files			
ii dictionaries-common	1.26.3	all	spelling dictionaries -
common utilities			
ii diffstat	1.61-1	amd64	produces graph of changes
introduced by a diff file			
ii diffutils	1:3.3-3	amd64	File comparison utilities
ii dirmngr	2.1.11-6ubuntu2	amd64	server for managing certificate
revocation lists			
ii distro-info-data	0.28ubuntu0.2	all	information about the
distributions' releases (data files)			
ii dmidecode	3.0-2ubuntu0.1	amd64	SMBIOS/DMI table
decoder			
ii dmsetup	2:1.02.110-1ubuntu10	amd64	Linux Kernel Device
Mapper userspace library			

ii dmz-cursor-theme cursor theme	0.4.4ubuntu1		all	Style neutral, scalable
ii dns-root-data root zone and DNSSEC key	2015052300+h+1		all	DNS root data including
ii dnsmasq-base DHCP/TFTP server	2.75-1ubuntu0.16.04.1	amd64		Small caching DNS proxy and
ii dnsutils BIND	1:9.10.3.dfsg.P4-8ubuntu1.4		amd64	Clients provided with
ii doc-base documentation	0.10.7		all	utilities to manage online
ii docutils-common for reStructuredText - common data	0.12+dfsg-1		all	text processing system
ii docutils-doc reStructuredText - documentation	0.12+dfsg-1		all	text processing system for
ii dosfstools checking MS-DOS FAT filesystems	3.0.28-2ubuntu0.1		amd64	utilities for making and
ii dpkg management system	1.18.4ubuntu1.1		amd64	Debian package
ii dpkg-dev development tools	1.18.4ubuntu1.1		all	Debian package
ii dropbox engine - CLI and Nautilus extension	2015.10.28		amd64	cloud synchronization
ii duplicity efficient backup	0.7.06-2ubuntu2		amd64	encrypted bandwidth-
ii e2fslibs:amd64 system libraries	1.42.13-1ubuntu1		amd64	ext2/ext3/ext4 file
ii e2fsprogs system utilities	1.42.13-1ubuntu1		amd64	ext2/ext3/ext4 file
ii ecryptfs-utils (utilities)	1:1.1-0ubuntu1.1	amd64		ecryptfs cryptographic filesystem
ii ed	1.10-2		amd64	classic UNIX line editor
ii efibootmgr Manager	0.12-4		amd64	Interact with the EFI Boot
ii eject operates CD-Changers under Linux	2.1.5+deb1+cvs20081104-13.1		amd64	ejects CDs and
ii emacsen-common emacsen	2.0.8		all	Common facilities for all
ii enchant:i386 checker engines (binary programs)	1.6.0-10.1build2		i386	Wrapper for various spell
ii eog program	3.18.2-1ubuntu2.1	amd64		Eye of GNOME graphics viewer
ii espeak-data:amd64 software speech synthesizer: speech data files	1.48.04+dfsg-2		amd64	Multi-lingual
ii ethtool	1:4.5-1		amd64	display or change Ethernet

device settings				
ii evince PDF) viewer	3.18.2-1ubuntu4		amd64	Document (PostScript,
ii evince-common PDF) viewer - common files	3.18.2-1ubuntu4		all	Document (PostScript,
ii evolution-data-server backend server	3.18.5-1ubuntu1		amd64	evolution database
ii evolution-data-server-common Server	3.18.5-1ubuntu1	all		architecture independent files for Evolution Data
ii evolution-data-server-online-accounts data server integration with Ubuntu Online Accounts	3.18.5-1ubuntu1		amd64	evolution
ii example-content	49		all	Ubuntu example content
ii exuberant-ctags indexes of source code definitions	1:5.9~svn20110310-11		amd64	build tag file
ii fakeroot superuser privileges	1.20.2-1ubuntu1		amd64	tool for simulating
ii file "magic" numbers	1:5.25-2ubuntu1		amd64	Determines file type using
ii file-roller	3.16.5-0ubuntu1.2		amd64	archive manager for GNOME
ii findutils files--find, xargs	4.6.0+git+20160126-2		amd64	utilities for finding
ii firefox browser from Mozilla	51.0.1+build2-0ubuntu0.16.04.2		amd64	Safe and easy web
ii firefox-locale-en language pack for Firefox	51.0.1+build2-0ubuntu0.16.04.2		amd64	English
ii firefox-locale-it pack for Firefox	51.0.1+build2-0ubuntu0.16.04.2		amd64	Italian language
ii flashplugin-installer Player plugin installer	24.0.0.194ubuntu0.16.04.1		amd64	Adobe Flash
ii flex 2.6.0-11		amd64		fast lexical analyzer generator
ii fontconfig configuration library - support binaries	2.11.94-0ubuntu1.1		amd64	generic font
ii fontconfig-config configuration library - configuration	2.11.94-0ubuntu1.1		all	generic font
ii fonts-dejavu-core with additional characters	2.35-1		all	Vera font family derivate
ii fonts-font-awesome use with Twitter Bootstrap	4.5.0~dfsg-1		all	iconic font designed for
ii fonts-freefont-ttf Mono Truetype fonts	20120503-4		all	Freefont Serif, Sans and
ii fonts-guru 2:1.2		all		Meta package to install all Punjabi fonts
ii fonts-guru-extra language	2.0-3		all	Free fonts for Punjabi
ii fonts-kacst	2.01+mry-12		all	KACST free TrueType

Arabic fonts				
ii fonts-kacst-one for Arabic language	5.0+svn11846-7		all	TrueType font designed
ii fonts-khmeros-core for the Khmer language of Cambodia	5.0-7ubuntu1		all	KhmerOS Unicode fonts
ii fonts-lao language	0.0.20060226-9		all	TrueType font for Lao
ii fonts-lato 2.0-1		all		sans-serif typeface family font
ii fonts-liberation as Times, Arial and Courier	1.07.4-1		all	Fonts with the same metrics
ii fonts-lklug-sinhala Lanka Linux User Group	0.6-3		all	Unicode Sinhala font by
ii fonts-lmodern Computer Modern	2.004.5-1		all	OpenType fonts based on
ii fonts-lohit-guru Punjabi Language	2.5.3-2		all	Lohit TrueType font for
ii fonts-lyx fonts used by LyX	2.1.4-2		all	TrueType versions of some TeX
ii fonts-nanum 20140930-1		all		Nanum Korean fonts
ii fonts-noto-cjk families with large Unicode coverage (CJK)	1:1.004+repack2-1~ubuntu1		all	"No Tofu" font
ii fonts-opensymbol TrueType font	2:102.7+LibO5.1.4-0ubuntu1		all	OpenSymbol
ii fonts-sil-abyssinica Ethiopian and Erythrean scripts (Amharic et al.)	1.500-1		all	smart Unicode font for
ii fonts-sil-padauk languages in Myanmar	2.80-2		all	smart Unicode font for
ii fonts-stix Information eXchange fonts	1.1.1-4		all	Scientific and Technical
ii fonts-symbola 2.59-1		all		symbolic font providing emoji characters from Unicode 7.0
ii fonts-takao-pgothic font set, Takao P Gothic Fonts	003.02.01-9ubuntu3		all	Japanese TrueType
ii fonts-texgyre URW Fonts	20150923-1		all	OpenType fonts based on
ii fonts-thai-tlwg TLWG (metapackage)	1:0.6.2-2.1		all	Thai fonts maintained by
ii fonts-tibetan-machine Dzongkha and Ladakhi (OpenType Unicode)	1.901b-5		all	font for Tibetan,
ii fonts-tlwg-garuda (dependency package)	1:0.6.2-2.1		all	Thai Garuda font
ii fonts-tlwg-garuda-ttf 1:0.6.2-2.1		all		Thai Garuda TrueType font
ii fonts-tlwg-kinnari (dependency package)	1:0.6.2-2.1		all	Thai Kinnari font
ii fonts-tlwg-kinnari-ttf	1:0.6.2-2.1		all	Thai Kinnari TrueType

font				
ii fonts-tlwg-laksaman (dependency package)	1:0.6.2-2.1		all	Thai Laksaman font
ii fonts-tlwg-laksaman-ttf font	1:0.6.2-2.1		all	Thai Laksaman TrueType font
ii fonts-tlwg-loma (dependency package)	1:0.6.2-2.1		all	Thai Loma font
ii fonts-tlwg-loma-ttf all Thai Loma TrueType font	1:0.6.2-2.1			
ii fonts-tlwg-mono (dependency package)	1:0.6.2-2.1		all	Thai TlwgMono font
ii fonts-tlwg-mono-ttf font	1:0.6.2-2.1		all	Thai TlwgMono TrueType font
ii fonts-tlwg-norasi (dependency package)	1:0.6.2-2.1		all	Thai Norasi font
ii fonts-tlwg-norasi-ttf	1:0.6.2-2.1		all	Thai Norasi TrueType font
ii fonts-tlwg-purisa (dependency package)	1:0.6.2-2.1		all	Thai Purisa font
ii fonts-tlwg-purisa-ttf	1:0.6.2-2.1		all	Thai Purisa TrueType font
ii fonts-tlwg-sawasdee 1:0.6.2-2.1		all		Thai Sawasdee font (dependency package)
ii fonts-tlwg-sawasdee-ttf font	1:0.6.2-2.1		all	Thai Sawasdee TrueType font
ii fonts-tlwg-typewriter (dependency package)	1:0.6.2-2.1		all	Thai TlwgTypewriter font
ii fonts-tlwg-typewriter-ttf TrueType font	1:0.6.2-2.1		all	Thai TlwgTypewriter TrueType font
ii fonts-tlwg-typist (dependency package)	1:0.6.2-2.1		all	Thai TlwgTypist font
ii fonts-tlwg-typist-ttf font	1:0.6.2-2.1		all	Thai TlwgTypist TrueType font
ii fonts-tlwg-typo 1:0.6.2-2.1		all		Thai TlwgTypo font (dependency package)
ii fonts-tlwg-typo-ttf font	1:0.6.2-2.1		all	Thai TlwgTypo TrueType font
ii fonts-tlwg-umpush (dependency package)	1:0.6.2-2.1		all	Thai Umpush font
ii fonts-tlwg-umpush-ttf font	1:0.6.2-2.1		all	Thai Umpush TrueType font
ii fonts-tlwg-waree (dependency package)	1:0.6.2-2.1		all	Thai Waree font
ii fonts-tlwg-waree-ttf	1:0.6.2-2.1		all	Thai Waree TrueType font
ii fomatic-db-compressed-ppds printer support - Compressed PPDs derived from the database	20160212-0ubuntu1		all	OpenPrinting
ii fortune-mod on demand	1:1.99.1-7		amd64	provides fortune cookies
ii fortunes-min fortune cookies	1:1.99.1-7		all	Data files containing selected

ii freeglut3:amd64	2.8.1-2	amd64	OpenGL Utility Toolkit
ii freepats synthesis	20060219-1	all	Free patch set for MIDI audio
ii friendly-recovery friendly	0.2.31	all	Make recovery more user-
ii ftp client	0.17-33	amd64	classical file transfer
ii fuse	2.9.4-1ubuntu3.1	amd64	Filesystem in Userspace
ii fwupd	0.7.0-0ubuntu4.3	amd64	Firmware update daemon
ii fwupdate firmware updates	0.5-2ubuntu4	amd64	Tools to manage UEFI
ii fwupdate-signed Updater EFI signed binary	1.11+0.5-2ubuntu4	amd64	Linux Firmware
ii g++	4:5.3.1-1ubuntu1	amd64	GNU C++ compiler
ii g++-4.9	4.9.3-13ubuntu2	amd64	GNU C++ compiler
ii g++-5 amd64 GNU C++ compiler	5.4.0-6ubuntu1~16.04.4		
ii gcc	4:5.3.1-1ubuntu1	amd64	GNU C compiler
ii gcc-4.9	4.9.3-13ubuntu2	amd64	GNU C compiler
ii gcc-4.9-base:amd64 Compiler Collection (base package)	4.9.3-13ubuntu2	amd64	GCC, the GNU
ii gcc-5	5.4.0-6ubuntu1~16.04.4	amd64	GNU C compiler
ii gcc-5-base:amd64 Compiler Collection (base package)	5.4.0-6ubuntu1~16.04.4	amd64	GCC, the GNU
ii gcc-5-base:i386 Compiler Collection (base package)	5.4.0-6ubuntu1~16.04.4	i386	GCC, the GNU
ii gcc-6-base:amd64 (base package)	6.0.1-0ubuntu1	amd64	GCC, the GNU Compiler Collection
ii gcc-6-base:i386 Compiler Collection (base package)	6.0.1-0ubuntu1	i386	GCC, the GNU
ii gconf-service database system (D-Bus service)	3.2.6-3ubuntu6	amd64	GNOME configuration
ii gconf-service-backend configuration database system (D-Bus service)	3.2.6-3ubuntu6	amd64	GNOME
ii gconf2 database system (support tools)	3.2.6-3ubuntu6	amd64	GNOME configuration
ii gconf2-common database system (common files)	3.2.6-3ubuntu6	all	GNOME configuration
ii gcr (daemon and tools)	3.18.0-1ubuntu1	amd64	GNOME crypto services
ii gdb	7.11.1-0ubuntu1~16.04	amd64	GNU Debugger
ii gdbserver (remote server)	7.11.1-0ubuntu1~16.04	amd64	GNU Debugger
ii gdisk partitioning tool	1.0.1-1build1	amd64	GPT fdisk text-mode
ii gedit	3.18.3-0ubuntu4	amd64	official text editor of the

GNOME desktop environment			
ii gedit-common	3.18.3-0ubuntu4	all	official text editor of the GNOME desktop environment (support files)
ii			
genisoimage	9:1.1.11-3ubuntu1	amd64	Creates ISO-9660 CD-ROM filesystem images
ii geoclue	0.12.99-4ubuntu1	amd64	Geographic information framework
ii geoclue-ubuntu-geoip	1.0.2+14.04.20131125-0ubuntu2	amd64	Provide positioning for GeoClue via Ubuntu GeoIP services
ii geogebra	4.0.34.0+dfsg1-3	all	Dynamic mathematics software for education
ii geoip-database	20160408-1	all	IP lookup command line tools that use the GeoIP library (country database)
ii gettext	0.19.7-2ubuntu3	amd64	GNU Internationalization utilities
ii gettext-base	0.19.7-2ubuntu3	amd64	GNU Internationalization utilities for the base system
ii gfortran	4:5.3.1-1ubuntu1	amd64	GNU Fortran 95 compiler
ii gfortran-5	5.4.0-6ubuntu1~16.04.4	amd64	GNU Fortran compiler
ii ghostscript	9.18~dfsg~0-0ubuntu2.3	amd64	interpreter for the PostScript language and for PDF
ii ghostscript-x	9.18~dfsg~0-0ubuntu2.3	amd64	interpreter for the PostScript language and for PDF - X11 support
ii gir1.2-accounts-1.0:amd64	1.21+16.04.20160222-0ubuntu1	amd64	typelib file for libaccounts-glib0
ii gir1.2-appindicator3-0.1	12.10.1+15.04.20141110-0ubuntu1	amd64	Typelib files for libappindicator3-1.
ii gir1.2-atk-1.0	2.18.0-1	amd64	ATK accessibility toolkit (GObject introspection)
ii gir1.2-atspi-2.0	2.18.3-4ubuntu1	amd64	Assistive Technology Service Provider (GObject introspection)
ii gir1.2-dbusmenu-glib-0.4:amd64	16.04.1+16.04.20160927-0ubuntu1	amd64	typelib file for libdbusmenu-glib4
ii gir1.2-dee-1.0	1.2.7+15.04.20150304-0ubuntu2	amd64	GObject introspection data for the Dee library
ii gir1.2-freedesktop:amd64	1.46.0-3ubuntu1	amd64	Introspection data for some FreeDesktop components
ii gir1.2-gdata-0.0:amd64	0.17.4-1	amd64	GObject introspection data for the GData webservice library
ii gir1.2-gdkpixbuf-2.0:amd64	2.32.2-1ubuntu1.2	amd64	GDK Pixbuf library - GObject-Introspection
ii gir1.2-glib-2.0:amd64	1.46.0-3ubuntu1	amd64	Introspection data for GLib, GObject, Gio and GModule
ii gir1.2-gnomekeyring-1.0	3.12.0-1build1	amd64	GNOME keyring

services library - introspection data				
ii gir1.2-goa-1.0:amd64	3.18.3-1ubuntu2	amd64	Introspection data	
for GNOME Online Accounts				
ii gir1.2-gst-plugins-base-1.0	1.8.2-1ubuntu0.2			
amd64 GObject introspection data for the GStreamer Plugins Base library				
ii gir1.2-gstreamer-1.0	1.8.2-1~ubuntu1	amd64	GObject	
introspection data for the GStreamer library				
ii gir1.2-gtk-2.0	2.24.30-1ubuntu1	amd64	GTK+ graphical user	
interface library -- gir bindings				
ii gir1.2-gtk-3.0:amd64	3.18.9-1ubuntu3.1	amd64	GTK+ graphical	
user interface library -- gir bindings				
ii gir1.2-gtksource-3.0:amd64	3.18.2-1	amd64	gir files for the	
GTK+ syntax highlighting widget				
ii gir1.2-gudev-1.0:amd64	1:230-2	amd64	libgudev-1.0	
introspection data				
ii gir1.2-ibus-1.0:amd64	1.5.11-1ubuntu2	amd64	Intelligent Input Bus - introspection data	
ii gir1.2-javascriptcoregtk-4.0:amd64	2.14.3-0ubuntu0.16.04.1	amd64	JavaScript	
engine library from WebKitGTK+ - GObject introspection data				
ii gir1.2-json-1.0:amd64	1.1.2-0ubuntu1	amd64	GLib JSON	
manipulation library (introspection data)				
ii gir1.2-notify-0.7	0.7.6-2svn1	amd64	sends desktop	
notifications to a notification daemon (Introspection files)				
ii gir1.2-packagekitglib-1.0	0.8.17-4ubuntu6~gcc5.4ubuntu1.1	amd64	GObject	
introspection data for the PackageKit GLib library				
ii gir1.2-pango-1.0:amd64	1.38.1-1	amd64	Layout	
and rendering of internationalized text - gir bindings				
ii gir1.2-peas-1.0:amd64	1.16.0-1ubuntu2	amd64	Application plugin	
library (introspection files)				
ii gir1.2-rb-3.0:amd64	3.3-1ubuntu7	amd64	GObject	
introspection data for the rhythmbox music player				
ii gir1.2-secret-1:amd64	0.18.4-1ubuntu2	amd64	Secret store	
(GObject-Introspection)				
ii gir1.2-signon-1.0	1.13+16.04.20151209.1-0ubuntu1	amd64	GObject	
introspection data for the Signon library				
ii gir1.2-soup-2.4	2.52.2-1ubuntu0.1	amd64	GObject introspection	
data for the libsoup HTTP library				
ii gir1.2-totem-1.0:amd64	3.18.1-1ubuntu4			
amd64 GObject introspection data for Totem media player				
ii gir1.2-totem-plparser-1.0:amd64	3.10.6-1ubuntu1	amd64	GObject	
introspection data for the Totem Playlist Parser library				
ii gir1.2-udisks-2.0:amd64	2.1.7-1ubuntu1	amd64	GObject based	
library to access udisks2 - introspection data				
ii gir1.2-unity-5.0:amd64	7.1.4+16.04.20160701-0ubuntu1	amd64	GObject	
introspection data for the Unity library				
ii gir1.2-vte-2.91:amd64	0.42.5-1ubuntu1	amd64	GObject	
introspection data for the VTE library				
ii gir1.2-webkit2-4.0:amd64	2.14.3-0ubuntu0.16.04.1	amd64	Web content	

engine library for GTK+ - GObject introspection data			
ii			
gir1.2-wnck-3.0:amd64	3.14.1-2	amd64	GObject introspection data for the WNCK library
ii git	1:2.7.4-0ubuntu1	amd64	fast, scalable, distributed revision control system
ii git-man	1:2.7.4-0ubuntu1	all	fast, scalable, distributed revision control system (manual pages)
ii gkbd-capplet	3.6.0-1ubuntu2	amd64	GNOME control center tools for libgnomekbd
ii glib-networking:amd64	2.48.2-1~ubuntu16.04.1	amd64	network-related giomodules for GLib
ii glib-networking:i386	2.48.2-1~ubuntu16.04.1	i386	network-related giomodules for GLib
ii glib-networking-common	2.48.2-1~ubuntu16.04.1	all	network-related giomodules for GLib - data files
ii glib-networking-services	2.48.2-1~ubuntu16.04.1	amd64	network-related giomodules for GLib - D-Bus services
ii gnome-accessibility-themes	3.18.0-2ubuntu1	all	Accessibility themes for the GNOME desktop
ii gnome-bluetooth	3.18.2-1ubuntu2	amd64	GNOME Bluetooth tools
ii gnome-calculator	1:3.18.3-0ubuntu1.16.04.1	amd64	GNOME desktop calculator
ii gnome-calendar	3.20.4-0ubuntu0.1	amd64	Calendar application for GNOME
ii gnome-desktop3-data	3.18.2-1ubuntu1	all	Common files for GNOME desktop apps
ii gnome-disk-utility	3.18.3.1-1ubuntu1	amd64	manage and configure disk drives and media
ii gnome-font-viewer	3.16.2-1ubuntu1	amd64	font viewer for GNOME
ii gnome-keyring	3.18.3-0ubuntu2	amd64	GNOME keyring services (daemon and tools)
ii gnome-mahjongg	1:3.18.0-1	amd64	classic Eastern tile game for GNOME
ii gnome-menus	3.13.3-6ubuntu3.1	amd64	GNOME implementation of the freedesktop menu specification
ii gnome-mines	1:3.18.2-2	amd64	popular minesweeper puzzle game for GNOME
ii gnome-orca	3.18.2-1ubuntu3	all	Scriptable screen reader
ii gnome-power-manager	3.18.0-1ubuntu1	amd64	power management tool for the GNOME desktop
ii gnome-screensaver	3.6.1-7ubuntu4	amd64	GNOME screen saver and locker
ii gnome-screenshot	3.18.0-1ubuntu2	amd64	screenshot application for GNOME

ii	gnome-session-bin	3.18.1.2-1ubuntu1.16.04.2	amd64	GNOME
	Session Manager - Minimal runtime			
ii	gnome-session-canberra	0.30-2.1ubuntu1		
	amd64			GNOME session log in and log out sound events
ii	gnome-session-common	3.18.1.2-1ubuntu1.16.04.2	all	GNOME
	Session Manager - common files			
ii	gnome-settings-daemon-schemas	3.18.2-0ubuntu3.1	all	gnome-settings-daemon schemas
ii	gnome-software	3.20.1+git20161013.0.d77d6cf-0ubuntu2~xenial1	amd64	
	Software Center for GNOME			
ii	gnome-software-common	3.20.1+git20161013.0.d77d6cf-0ubuntu2~xenial1	all	
	Software Center for GNOME (common files)			
ii	gnome-sudoku	1:3.18.4-0ubuntu2	amd64	Sudoku puzzle game for GNOME
ii	gnome-system-log	3.9.90-4	amd64	system log viewer for GNOME
ii	gnome-system-monitor	3.18.2-1ubuntu1	amd64	Process viewer and system resource monitor for GNOME
ii	gnome-terminal	3.18.3-1ubuntu1	amd64	GNOME terminal emulator application
ii	gnome-terminal-data	3.18.3-1ubuntu1	all	Data files for the GNOME terminal emulator
ii	gnome-user-guide	3.18.1-1	all	GNOME user's guide
ii	gnome-user-share	3.14.2-2ubuntu4	amd64	User level public file sharing via WebDAV or ObexFTP
ii	gnome-video-effects	0.4.1-3ubuntu1	all	Collection of GStreamer effects
ii	gnupg	1.4.20-1ubuntu3.1	amd64	GNU privacy guard - a free PGP replacement
ii	gnupg-agent	2.1.11-6ubuntu2	amd64	GNU privacy guard - cryptographic agent
ii	gnupg2	2.1.11-6ubuntu2	amd64	GNU privacy guard - a free PGP replacement (new v2.x)
ii	google-chrome-stable	56.0.2924.76-1	amd64	The web browser from Google
ii	google-talkplugin	5.41.3.0-1	amd64	Google Talk Plugin
ii	gpgv	1.4.20-1ubuntu3.1	amd64	GNU privacy guard - signature verification tool
ii	graphviz	2.38.0-12ubuntu2.1	amd64	rich set of graph drawing tools
ii	grep	2.25-1~16.04.1	amd64	GNU grep, egrep and fgrep
ii	grilo-plugins-0.2-base:amd64	0.2.17-0ubuntu2	amd64	Framework for discovering and browsing media - Base Plugins
ii	groff-base	1.22.3-7	amd64	GNU troff text-formatting system (base system components)
ii	grub-common	2.02~beta2-36ubuntu3.7	amd64	GRand Unified

Bootloader (common files)				
ii	grub-efi-amd64	2.02~beta2-36ubuntu3.7	amd64	GRand Unified
Bootloader, version 2 (EFI-AMD64 version)				
ii	grub-efi-amd64-bin	2.02~beta2-36ubuntu3.7	amd64	GRand Unified Bootloader, version 2 (EFI-AMD64 binaries)
ii	grub-efi-amd64-signed	1.66.7+2.02~beta2-36ubuntu3.7	amd64	GRand Unified Bootloader, version 2 (EFI-AMD64 version, signed)
ii	grub2-common	2.02~beta2-36ubuntu3.7	amd64	GRand Unified Bootloader (common files for version 2)
ii	gsettings-desktop-schemas	3.18.1-1ubuntu1	all	GSettings desktop-wide schemas
ii	gsettings-ubuntu-schemas	0.0.5+16.04.20160307-0ubuntu1	all	GSettings desktop-wide schemas for Ubuntu
ii	gsfonts	1:8.11+urwcyr1.0.7~pre44-4.2ubuntu1	all	Fonts for the Ghostscript interpreter(s)
ii	gsfonts-x11	0.24	all	Make Ghostscript fonts available to X11
ii	gststreamer1.0-alsa:amd64	1.8.2-1ubuntu0.2	amd64	GStreamer plugin for ALSA
ii	gststreamer1.0-clutter-3.0	3.0.18-1	amd64	Clutter PPlugin for GStreamer 1.0
ii	gststreamer1.0-fluendo-mp3:amd64	0.10.32.debian-1	amd64	Fluendo mp3 decoder GStreamer 1.0 plugin
ii	gststreamer1.0-libav:amd64	1.8.2-1~ubuntu1	amd64	libav plugin for GStreamer
ii	gststreamer1.0-plugins-bad:amd64	1.8.2-1ubuntu0.2	amd64	GStreamer plugins from the "bad" set
ii	gststreamer1.0-plugins-bad-faad:amd64	1.8.2-1ubuntu0.2	amd64	GStreamer faad plugin from the "bad" set
ii	gststreamer1.0-plugins-bad-videmparsers:amd64	1.8.2-1ubuntu0.2	amd64	GStreamer videoparsers plugin from the "bad" set
ii	gststreamer1.0-plugins-base:amd64	1.8.2-1ubuntu0.2	amd64	GStreamer plugins from the "base" set
ii	gststreamer1.0-plugins-base:i386	1.8.2-1ubuntu0.2	i386	GStreamer plugins from the "base" set
ii	gststreamer1.0-plugins-base-apps	1.8.2-1ubuntu0.2	amd64	GStreamer helper programs from the "base" set
ii	gststreamer1.0-plugins-good:amd64	1.8.2-1ubuntu0.3	amd64	GStreamer plugins from the "good" set
ii	gststreamer1.0-plugins-good:i386	1.8.2-1ubuntu0.3	i386	GStreamer plugins from the "good" set
ii	gststreamer1.0-plugins-ugly:amd64	1.8.2-1ubuntu0.1	amd64	GStreamer plugins from the "ugly" set
ii	gststreamer1.0-plugins-ugly-amr:amd64	1.8.2-1ubuntu0.1	amd64	GStreamer plugins from the "ugly" set
ii	gststreamer1.0-pulseaudio:amd64	1.8.2-1ubuntu0.3	amd64	GStreamer plugin for PulseAudio

ii gstreamer1.0-tools GStreamer	1.8.2-1~ubuntu1	amd64	Tools for use with
ii gstreamer1.0-x:amd64 for X11 and Pango	1.8.2-1ubuntu0.2	amd64	GStreamer plugins
ii gstreamer1.0-x:i386 for X11 and Pango	1.8.2-1ubuntu0.2	i386	GStreamer plugins
ii gtk2-engines-murrine:amd64 gtk+-2.0 theme engine	0.98.2-0ubuntu2.2	amd64	cairo-based
ii gucharmap picker and font browser	1:3.18.2-1ubuntu1	amd64	Unicode character
ii guile-2.0-lib:amd64	2.0.11+1-10	amd64	Core Guile libraries
ii gvfs:amd64 filesystem - GIO module	1.28.2-1ubuntu1~16.04.1	amd64	userspace virtual
ii gvfs-backends filesystem - backends	1.28.2-1ubuntu1~16.04.1	amd64	userspace virtual
ii gvfs-bin filesystem - binaries	1.28.2-1ubuntu1~16.04.1	amd64	userspace virtual
ii gvfs-common data files	1.28.2-1ubuntu1~16.04.1	all	userspace virtual filesystem - common
ii gvfs-daemons filesystem - servers	1.28.2-1ubuntu1~16.04.1	amd64	userspace virtual
ii gvfs-fuse filesystem - fuse server	1.28.2-1ubuntu1~16.04.1	amd64	userspace virtual
ii gvfs-lib:amd64 filesystem - private libraries	1.28.2-1ubuntu1~16.04.1	amd64	userspace virtual
ii gyp build script generator	0.1+20150913git1f374df9-1ubuntu1	all	Cross-platform
ii gzip	1.6-4ubuntu1	amd64	GNU compression utilities
ii hardening- hardening	2.7ubuntu2	all	Makefile for enabling compiler flags for security
ii hdparm for high performance	9.48+ds-1	amd64	tune hard disk parameters
ii heroku apps on Heroku.	3.43.16	all	Client library and CLI to deploy
ii heroku-toolbelt with the Heroku platform.	3.43.16	all	A metapackage for working
ii hicolor-icon-theme for FreeDesktop.org icon themes	0.15-0ubuntu1	all	default fallback theme
ii hostname host name or domain name	3.16ubuntu2	amd64	utility to set/show the
ii hplip Imaging System (HPLIP)	3.16.3+repack0-1	amd64	HP Linux Printing and
ii hplip-data Imaging - data files	3.16.3+repack0-1	all	HP Linux Printing and
ii hud	14.10+16.04.20160415-0ubuntu1	amd64	Backend for the

Unity HUD			
ii	humanity-icon-theme	0.6.10	all Humanity Icon theme
ii	hunspell-en-au dictionary for hunspell	1:5.1.0-1ubuntu2.2	all English (Australia)
ii	hunspell-en-ca dictionary for hunspell	1:5.1.0-1ubuntu2.2	all English (Canada)
ii	hunspell-en-gb 1:5.1.0-1ubuntu2.2	all	English (GB) dictionary for hunspell
ii	hunspell-en-us dictionary for hunspell	20070829-6ubuntu3	all English_american
ii	hunspell-en-za dictionary for hunspell	1:5.1.0-1ubuntu2.2	all English (South Africa)
ii	hunspell-it hunspell	1:5.1.0-1ubuntu2.2	all Italian dictionary for
ii	hwdata configuration data	0.267-1	all hardware identification /
ii	hyphen-en-gb hyphenation patterns	1:5.1.0-1ubuntu2.2	all English (GB)
ii	hyphen-en-us 2.8.8-2ubuntu1	all	US English hyphenation patterns for LibreOffice/OpenOffice.org
ii	hyphen-it patterns	1:5.1.0-1ubuntu2.2	all Italian hyphenation
ii	i965-va-driver:amd64 G45 & HD Graphics family	1.7.0-1	amd64 VAAPI driver for Intel
ii	ibus	1.5.11-1ubuntu2	amd64 Intelligent Input Bus - core
ii	ibus-gtk:amd64 GTK+2 support	1.5.11-1ubuntu2	amd64 Intelligent Input Bus -
ii	ibus-gtk3:amd64 - GTK+3 support	1.5.11-1ubuntu2	amd64 Intelligent Input Bus
ii	ibus-table all table engine for IBus	1.9.1-3ubuntu2	
ii	icedtea-netx-common implementation of the Java Network Launching Protocol (JNLP)	1.6.2-3ubuntu1	all NetX -
ii	icu-devtools International Components for Unicode	55.1-7	amd64 Development utilities for
ii	ifupdown configure network interfaces	0.8.10ubuntu1.2	amd64 high level tools to
ii	im-config configuration framework	0.29-1ubuntu12.3	all Input method
ii	imagemagick programs -- binaries	8:6.8.9.9-7ubuntu5.3	amd64 image manipulation
ii	imagemagick-6.q16 8:6.8.9.9-7ubuntu5.3	amd64	image manipulation programs -- quantum depth Q16
ii	imagemagick-common manipulation programs -- infrastructure	8:6.8.9.9-7ubuntu5.3	all image
ii	indicator-application Indicators	12.10.1+15.04.20150128-0ubuntu1	amd64 Application
ii	indicator-appmenu	15.02.0+16.04.20151104-0ubuntu1	amd64 Indicator

for application menus.				
ii indicator-bluetooth bluetooth indicator.	0.0.6+16.04.20160526-0ubuntu1	amd64	System	
ii indicator-datetime	15.10+16.04.20160406-0ubuntu1	amd64	Simple clock	
ii indicator-keyboard indicator	0.0.0+16.04.20151125-0ubuntu1	amd64	Keyboard	
ii indicator-messages that collects messages that need a response	13.10.1+15.10.20150505-0ubuntu1	amd64	indicator	
ii indicator-power showing power state.	12.10.6+16.04.20160105-0ubuntu1	amd64	Indicator	
ii indicator-printers showing active print jobs	0.1.7+15.04.20150220-0ubuntu2	amd64	indicator	
ii indicator-session showing session management, status and user switching	12.10.5+16.04.20160412-0ubuntu1	amd64	indicator	
ii indicator-sound sound indicator.	12.10.2+16.04.20160406-0ubuntu1	amd64	System	
ii info documentation browser	6.1.0.dfsg.1-5	amd64	Standalone GNU Info	
ii init metapackage	1.29ubuntu3	amd64	System-V-like init utilities -	
ii init-system-helpers systems	1.29ubuntu3	all	helper tools for all init	
ii initramfs-tools generator (automation)	0.122ubuntu8.8	all	generic modular initramfs	
ii initramfs-tools-bin initramfs-tools	0.122ubuntu8.8	amd64	binaries used by	
ii initramfs-tools-core initramfs generator (core tools)	0.122ubuntu8.8	all	generic modular	
ii initscripts and shutting down the system	2.88dsf-59.3ubuntu2	amd64	scripts for initializing	
ii inputattach attached peripherals to the input subsystem	1:1.4.9-1	amd64	utility to connect serial-	
ii inserv using LSB init.d script dependency information	1.14.0-5ubuntu3	amd64	boot sequence organizer	
ii install-info documentation in info format	6.1.0.dfsg.1-5	amd64	Manage installed	
ii intel-gpu-tools Intel graphics driver	1.14-1	amd64	tools for debugging the	
ii intel-microcode firmware for Intel CPUs	3.20151106.1	amd64	Processor microcode	
ii intltool-debian all Help i18n of RFC822 compliant config files	0.35.0+20060710.4			
ii ippusbxd support	1.23-1	amd64	Daemon for IPP USB printer	
ii iproute2 control tools	4.3.0-1ubuntu3	amd64	networking and traffic	

ii	iptables packet filtering and NAT	1.6.0-2ubuntu3	amd64	administration tools for
ii	iputils-arping echo requests to an ARP address	3:20121221-5ubuntu2	amd64	Tool to send ICMP
ii	iputils-ping reachability of network hosts	3:20121221-5ubuntu2	amd64	Tools to test the
ii	iputils-tracepath amd64 Tools to trace the network path to a remote host	3:20121221-5ubuntu2		
ii	irqbalance interrupts for SMP systems	1.1.0-2ubuntu1	amd64	Daemon to balance
ii	isc-dhcp-client automatically obtaining an IP address	4.3.3-5ubuntu12.6	amd64	DHCP client for
ii	isc-dhcp-common by all of the isc-dhcp packages	4.3.3-5ubuntu12.6	amd64	common files used
ii	iso-codes currency, script codes and their translations	3.65-1	all	ISO language, territory,
ii	iucode-tool microcode tool	1.5.1-1ubuntu0.1	amd64	Intel processor
ii	iw amd64 tool for configuring Linux wireless devices	3.17-1		
ii	java-common runtimes	0.56ubuntu2	all	Base package for Java
ii	java-help2	2.0.05.ds1-8	all	Java based help system
ii	javascript-common library packages	11	all	Base support for JavaScript
ii	jayatana ayatana project	2.7-0ubuntu5	amd64	Java Native Library for
ii	jblas Java	1.2.3-6	amd64	fast linear algebra library for
ii	junit all Automated testing framework for Java	3.8.2-8build1		
ii	junit4 framework for Java	4.12-4ubuntu1	all	JUnit regression test
ii	kbd keytable utilities	1.15.5-1ubuntu5	amd64	Linux console font and
ii	kerneloops-daemon tracker	0.12+git20140509-2ubuntu1	amd64	kernel oops
ii	keyboard-configuration keyboard preferences	1.108ubuntu15.2	all	system-wide
ii	keyutils Utilities	1.5.9-8ubuntu1	amd64	Linux Key Management
ii	klibc-utils with klibc for early boot	2.0.4-8ubuntu1.16.04.2	amd64	small utilities built
ii	kmod kernel modules	22-1ubuntu4	amd64	tools for managing Linux
ii	krb5-locales support for MIT Kerberos	1.13.2+dfsg-5ubuntu1	all	Internationalization

ii libaccounts-qt5-1:amd64	1.14+16.04.20151106.1-0ubuntu1	amd64	QT
library for single sign on			
ii libaccountsservice0:amd64	0.6.40-2ubuntu11.3	amd64	query and
manipulate user account information - shared libraries			
ii libacl1:amd64	2.2.52-3	amd64	Access control list shared
library			
ii libalgorithm-diff-perl	1.19.03-1	all	module to find differences
between files			
ii libalgorithm-diff-xs-perl	0.04-4build1		
amd64 module to find differences between files (XS accelerated)			
ii libalgorithm-merge-perl	0.08-3	all	Perl module for three-way
merge of textual data			
ii libandroid-properties1	0.1.0+git20151016+6d424c9-0ubuntu7	amd64	Library
to provide access to get, set and list Android properties			
ii libao-common	1.1.0-3ubuntu1	all	Cross Platform Audio
Output Library (Common files)			
ii libao4:amd64	1.1.0-3ubuntu1	amd64	Cross Platform Audio
Output Library			
ii libaopalliance-java	20070526-5	all	library for interoperability
for Java AOP implementations			
ii libapache-pom-java	10-2build1	all	Maven metadata for all Apache Software projects
ii libapparmor-perl	2.10.95-0ubuntu2.5	amd64	AppArmor library
Perl bindings			
ii libapparmor1:amd64	2.10.95-0ubuntu2.5	amd64	changehat
AppArmor library			
ii libappindicator1	12.10.1+15.04.20141110-0ubuntu1	amd64	Application
Indicators			
ii libappindicator3-1	12.10.1+15.04.20141110-0ubuntu1	amd64	Application
Indicators			
ii libappstream-glib8:amd64	0.5.13-1ubuntu4	amd64	GNOME library
to access AppStream services			
ii libappstream3:amd64	0.9.4-1ubuntu2	amd64	
Library to access AppStream services			
ii libapt-inst2.0:amd64	1.2.18	amd64	deb package format
runtime library			
ii libapt-pkg-perl	0.1.29build7	amd64	Perl interface to libapt-
pkg			
ii libapt-pkg5.0:amd64	1.2.18	amd64	package management
runtime library			
ii libarchive-zip-perl	1.56-2	all	Perl module for manipulation
of ZIP archives			
ii libarchive13:amd64	3.1.2-11ubuntu0.16.04.2	amd64	Multi-format
archive and compression library (shared library)			
ii libart-2.0-2:amd64	2.3.21-2	amd64	Library of functions
for 2D graphics - runtime files			
ii libasan1:amd64	4.9.3-13ubuntu2	amd64	AddressSanitizer -- a
fast memory error detector			

ii libasan2:amd64 - a fast memory error detector	5.4.0-6ubuntu1~16.04.4	amd64	AddressSanitizer -
ii libasm4-java framework	5.0.4-1	all	Java bytecode manipulation
ii libasn1-8-heimdal:amd64 Kerberos - ASN.1 library	1.7~git20150920+dfsg-4ubuntu1	amd64	Heimdal
ii libasound2:amd64 ALSA applications	1.1.0-0ubuntu1	amd64	shared library for
ii libasound2:i386 ALSA applications	1.1.0-0ubuntu1	i386	shared library for
ii libasound2-data profiles for ALSA drivers	1.1.0-0ubuntu1	all	Configuration files and
ii libasound2-plugins:amd64 additional plugins	1.1.0-0ubuntu1	amd64	ALSA library
ii libasound2-plugins:i386 additional plugins	1.1.0-0ubuntu1	i386	ALSA library
ii libaspell15:amd64 spell-checker runtime library	0.60.7~20110707-3build1	amd64	GNU Aspell
ii libaspell15:i386 checker runtime library	0.60.7~20110707-3build1	i386	GNU Aspell spell-
ii libasprintf-dev:amd64 Internationalization library development files	0.19.7-2ubuntu3	amd64	GNU
ii libasprintf0v5:amd64 fprintf and friends in C++	0.19.7-2ubuntu3	amd64	GNU library to use
ii libass5:amd64 subtitles rendering	0.13.1-1	amd64	library for SSA/ASS
ii libassuan0:amd64 GnuPG components	2.4.2-2	amd64	IPC library for the
ii libasyns0:amd64 service query library	0.8-5build1	amd64	Asynchronous name
ii libasyns0:i386 service query library	0.8-5build1	i386	Asynchronous name
ii libatasmart4:amd64 reading and parsing library	0.19-3	amd64	ATA S.M.A.R.T.
ii libatinject-jsr330-api-java 1.0+ds1-2	all		Java API for JSR-330 Dependency Injection
ii libatk-adaptor:amd64 bridge	2.18.1-2ubuntu1	amd64	AT-SPI 2 toolkit
ii libatk-bridge2.0-0:amd64 bridge - shared library	2.18.1-2ubuntu1	amd64	AT-SPI 2 toolkit
ii libatk1.0-0:amd64 toolkit	2.18.0-1	amd64	ATK accessibility
ii libatk1.0-0:i386	2.18.0-1	i386	ATK accessibility toolkit
ii libatk1.0-data accessibility toolkit	2.18.0-1	all	Common files for the ATK
ii libatk1.0-dev	2.18.0-1		

	amd64	Development files for the ATK accessibility toolkit		
ii	libatkmm-1.6-1v5:amd64	2.24.2-1	amd64	C++ wrappers for ATK accessibility toolkit (shared libraries)
ii	libatlas-base-dev	3.10.2-9	amd64	Automatically Tuned Linear Algebra Software, generic static
ii	libatlas-dev	3.10.2-9	amd64	Automatically Tuned Linear Algebra Software, C header files
ii	libatlas3-base	3.10.2-9	amd64	Automatically Tuned Linear Algebra Software, generic shared
ii	libatm1:amd64	1:2.5.1-1.5	amd64	shared library for ATM (Asynchronous Transfer Mode)
ii	libatomic1:amd64	5.4.0-6ubuntu1~16.04.4	amd64	support library providing __atomic built-in functions
ii	libatspi2.0-0:amd64	2.18.3-4ubuntu1	amd64	Assistive Technology Service Provider Interface - shared library
ii	libattr1:amd64	1:2.4.47-2	amd64	Extended attribute shared library
ii	libaudio2:amd64	1.9.4-4	amd64	Network Audio System - shared libraries
ii	libaudio2:i386	1.9.4-4	i386	Network Audio System - shared libraries
ii	libaudit-common	1:2.4.5-1ubuntu2	all	Dynamic library for security auditing - common files
ii	libaudit1:amd64	1:2.4.5-1ubuntu2	amd64	Dynamic library for security auditing
ii	libauthen-sasl-perl	2.1600-1	all	Authen::SASL - SASL Authentication framework
ii	libavahi-client3:amd64	0.6.32~rc+dfsg-1ubuntu2	amd64	Avahi client library
ii	libavahi-client3:i386	0.6.32~rc+dfsg-1ubuntu2	i386	Avahi client library
ii	libavahi-common-data:amd64	0.6.32~rc+dfsg-1ubuntu2	amd64	Avahi common data files
ii	libavahi-common-data:i386	0.6.32~rc+dfsg-1ubuntu2	i386	Avahi common data files
ii	libavahi-common3:amd64	0.6.32~rc+dfsg-1ubuntu2	amd64	Avahi common library
ii	libavahi-common3:i386	0.6.32~rc+dfsg-1ubuntu2	i386	Avahi common library
ii	libavahi-core7:amd64	0.6.32~rc+dfsg-1ubuntu2	amd64	Avahi's embeddable mDNS/DNS-SD library
ii	libavahi-glib1:amd64	0.6.32~rc+dfsg-1ubuntu2	amd64	Avahi GLib integration library
ii	libavahi-ui-gtk3-0:amd64	0.6.32~rc+dfsg-1ubuntu2	amd64	Avahi GTK+ User interface library for GTK3
ii	libavc1394-0:amd64	0.5.4-4	amd64	control IEEE 1394 audio/video devices

ii libavc1394-0:i386	0.5.4-4	i386	
control IEEE 1394 audio/video devices			
ii libavcodec-dev:amd64	7:2.8.10-0ubuntu0.16.04.1	amd64	FFmpeg
library with de/encoders for audio/video codecs - development files			
ii libavcodec-ffmpeg56:amd64	7:2.8.10-0ubuntu0.16.04.1	amd64	FFmpeg
library with de/encoders for audio/video codecs - runtime files			
ii libavfilter-ffmpeg5:amd64	7:2.8.10-0ubuntu0.16.04.1	amd64	FFmpeg
library containing media filters - runtime files			
ii libavformat-dev:amd64	7:2.8.10-0ubuntu0.16.04.1	amd64	FFmpeg
library with (de)muxers for multimedia containers - development files			
ii libavformat-ffmpeg56:amd64	7:2.8.10-0ubuntu0.16.04.1	amd64	FFmpeg
library with (de)muxers for multimedia containers - runtime files			
ii libavresample-ffmpeg2:amd64	7:2.8.10-0ubuntu0.16.04.1	amd64	FFmpeg
compatibility library for resampling - runtime files			
ii libavutil-dev:amd64	7:2.8.10-0ubuntu0.16.04.1	amd64	FFmpeg library
with functions for simplifying programming - development files			
ii libavutil-ffmpeg54:amd64	7:2.8.10-0ubuntu0.16.04.1	amd64	FFmpeg
library with functions for simplifying programming - runtime files			
ii libbabeltrace-ctf1:amd64	1.3.2-1	amd64	Common Trace
Format (CTF) library			
ii libbabeltrace1:amd64	1.3.2-1	amd64	Babeltrace conversion
libraries			
ii libbambf3-2:amd64	0.5.3~bzz0+16.04.20160824-0ubuntu1		
amd64 Window matching library - shared library			
ii libbdplus0:amd64	0.1.2-1	amd64	implementation of BD+
for reading Blu-ray Discs			
ii libbind9-140:amd64	1:9.10.3.dfsg.P4-8ubuntu1.4	amd64	BIND9 Shared
Library used by BIND			
ii libbison-dev:amd64	2:3.0.4.dfsg-1	amd64	YACC-compatible
parser generator - development library			
ii libblas-common	3.6.0-2ubuntu2	amd64	Dependency package
for all BLAS implementations			
ii libblas-dev	3.6.0-2ubuntu2	amd64	Basic Linear Algebra
Subroutines 3, static library			
ii libblas3	3.6.0-2ubuntu2		
amd64 Basic Linear Algebra Reference implementations, shared library			
ii libblkid1:amd64	2.27.1-6ubuntu3.2	amd64	block device ID
library			
ii libbluetooth3:amd64	5.37-0ubuntu5	amd64	Library to use the
BlueZ Linux Bluetooth stack			
ii libbluray1:amd64	1:0.9.2-2	amd64	Blu-ray disc playback
support library (shared library)			
ii libboost-date-time1.58.0:amd64	1.58.0+dfsg-5ubuntu3.1	amd64	set of date-
time libraries based on generic programming concepts			
ii libboost-filesystem1.58.0:amd64	1.58.0+dfsg-5ubuntu3.1	amd64	filesystem
operations (portable paths, iteration over directories, etc) in C++			
ii libboost-iostreams1.58.0:amd64			

	1.58.0+dfsg-5ubuntu3.1	amd64	Boost.Iostreams Library	
ii libboost-system1.58.0:amd64	1.58.0+dfsg-5ubuntu3.1	amd64	Operating	
system (e.g. diagnostics support) library				
ii libbrlapi0.6:amd64	5.3.1-2ubuntu2.1	amd64	braille display access	
via BRLTTY - shared library				
ii libbs2b0:amd64	3.1.0+dfsg-2.2	amd64	Bauer stereophonic-to-	
binaural DSP library				
ii libbsd0:amd64	0.8.2-1	amd64	utility functions from	
BSD systems - shared library				
ii libbsd0:i386	0.8.2-1	i386	utility functions from BSD	
systems - shared library				
ii				
libbsh-java	2.0b4-17ubuntu1	all	Java scripting environment	
(BeanShell) Version 2 (library)				
ii libbz2-1.0:amd64	1.0.6-8	amd64	high-quality block-	
sorting file compressor library - runtime				
ii libbz2-1.0:i386	1.0.6-8	i386	high-quality block-sorting	
file compressor library - runtime				
ii libc-bin	2.23-0ubuntu5	amd64	GNU C Library: Binaries	
ii libc-dev-bin	2.23-0ubuntu5	amd64	GNU C Library:	
Development binaries				
ii libc6:amd64	2.23-0ubuntu5	amd64	GNU C Library: Shared	
libraries				
ii libc6:i386	2.23-0ubuntu5	i386	GNU C Library: Shared	
libraries				
ii libc6-dbg:amd64	2.23-0ubuntu5	amd64	GNU C Library:	
detached debugging symbols				
ii libc6-dev:amd64	2.23-0ubuntu5	amd64	GNU C Library:	
Development Libraries and Header Files				
ii libc6-i386	2.23-0ubuntu5	amd64	GNU C Library: 32-bit	
shared libraries for AMD64				
ii libcac0:amd64	0.99.beta19-2build2~gcc5.2	amd64	colour ASCII art	
library				
ii libcac0:i386	0.99.beta19-2build2~gcc5.2	i386	colour ASCII art	
library				
ii libcairo-gobject2:amd64	1.14.6-1	amd64	Cairo 2D vector graphics library (GObject	
library)				
ii libcairo-gobject2:i386	1.14.6-1	i386	Cairo 2D vector graphics	
library (GObject library)				
ii libcairo-script-interpreter2:amd64	1.14.6-1	amd64	Cairo 2D vector	
graphics library (script interpreter)				
ii libcairo2:amd64	1.14.6-1	amd64	Cairo 2D vector graphics	
library				
ii libcairo2:i386	1.14.6-1	i386	Cairo 2D vector graphics	
library				
ii libcairo2-dev	1.14.6-1	amd64	Development files for the	
Cairo 2D graphics library				

ii libcairomm-1.0-1v5:amd64	1.12.0-1	amd64	C++ wrappers for Cairo (shared libraries)
ii libcamel-1.2-54:amd64	3.18.5-1ubuntu1	amd64	Evolution MIME message handling library
ii libcanberra-gtk-module:amd64	0.30-2.1ubuntu1	amd64	translates GTK+ widgets signals to event sounds
ii libcanberra-gtk0:amd64	0.30-2.1ubuntu1	amd64	GTK+ helper for playing widget event sounds with libcanberra
ii libcanberra-gtk3-0:amd64	0.30-2.1ubuntu1	amd64	GTK+ 3.0 helper for playing widget event sounds with libcanberra
ii libcanberra-gtk3-module:amd64	0.30-2.1ubuntu1	amd64	translates GTK3 widgets signals to event sounds
ii libcanberra-pulse:amd64	0.30-2.1ubuntu1	amd64	PulseAudio backend for libcanberra
ii libcanberra0:amd64	0.30-2.1ubuntu1	amd64	simple abstract interface for playing event sounds
ii libcap-ng0:amd64	0.7.7-1	amd64	An alternate POSIX capabilities library
ii libcap2:amd64	1:2.24-12	amd64	POSIX 1003.1e capabilities (library)
ii libcap2:i386	1:2.24-12	i386	POSIX 1003.1e capabilities (library)
ii libcap2-bin	1:2.24-12	amd64	POSIX 1003.1e capabilities (utilities)
ii libcc1-0:amd64	5.4.0-6ubuntu1~16.04.4	amd64	GCC cc1 plugin for GDB
ii libcdi-api-java	1.0-2	all	Contexts and Dependency Injection for Java EE
ii libcdio-cdda1:amd64	0.83-4.2ubuntu1	amd64	library to read and control digital audio CDs
ii libcdio-paranoia1:amd64	0.83-4.2ubuntu1	amd64	library to read digital audio CDs with error correction
ii libcdio13:amd64	0.83-4.2ubuntu1	amd64	library to read and control CD-ROM
ii libcdparanoia0:amd64	3.10.2+debian-11	amd64	audio extraction tool for sampling CDs (library)
ii libcdparanoia0:i386	3.10.2+debian-11	i386	audio extraction tool for sampling CDs (library)
ii libcdr-0.1-1:amd64	0.1.2-2ubuntu2	amd64	library for reading and converting Corel DRAW files
ii libcdt5	2.38.0-12ubuntu2.1	amd64	rich set of graph drawing tools - cdt library
ii libcgi-fast-perl	1:2.10-1	all	CGI subclass for work with FCGI
ii libcgi-pm-perl	4.26-1	all	module for Common Gateway

Interface applications				
ii libcglib3-java	3.1+dfsg-1		all	code generation library for
Java				
ii				
libcgmanager0:amd64	0.39-2ubuntu5		amd64	Central cgroup
manager daemon (client library)				
ii libcgraph6	2.38.0-12ubuntu2.1		amd64	rich set of graph
drawing tools - cgraph library				
ii libcheese-gtk25:amd64	3.18.1-2ubuntu3		amd64	tool to take
pictures and videos from your webcam - widgets				
ii libcheese8:amd64	3.18.1-2ubuntu3		amd64	tool to take pictures
and videos from your webcam - base library				
ii libchromaprint0:amd64	1.3-1		amd64	audio fingerprint
library				
ii libcilkrts5:amd64	5.4.0-6ubuntu1~16.04.4		amd64	Intel Cilk Plus
language extensions (runtime)				
ii libclang-common-3.8-dev	1:3.8-2ubuntu4		amd64	clang library -
Common development package				
ii libclang1-3.8:amd64	1:3.8-2ubuntu4		amd64	C interface to the
clang library				
ii libclass-accessor-perl	0.34-1		all	Perl module that
automatically generates accessors				
ii libclassworlds-java	1.1-final-5		all	framework for container
developers requiring manipulation of ClassLoaders				
ii libclone-perl	0.38-1build1		amd64	module for recursively
copying Perl datatypes				
ii libclucene-contribs1v5:amd64	2.3.3.4-4.1			
amd64 language specific text analyzers (runtime)				
ii libclucene-core1v5:amd64	2.3.3.4-4.1		amd64	core library for full-
featured text search engine (runtime)				
ii libclutter-1.0-0:amd64	1.24.2-1		amd64	Open GL based
interactive canvas library				
ii libclutter-1.0-common	1.24.2-1		all	Open GL based
interactive canvas library (common files)				
ii libclutter-gst-3.0-0:amd64	3.0.18-1		amd64	Open GL based
interactive canvas library GStreamer elements				
ii libclutter-gtk-1.0-0:amd64	1.6.6-1		amd64	Open GL based
interactive canvas library GTK+ widget				
ii libcmis-0.5-5v5:amd64				
0.5.1-2ubuntu2	amd64			CMIS protocol client library
ii libcogl-common	1.22.0-2		all	Object oriented GL/GLES
Abstraction/Utility Layer (common files)				
ii libcogl-pango20:amd64	1.22.0-2		amd64	Object oriented
GL/GLES Abstraction/Utility Layer				
ii libcogl-path20:amd64	1.22.0-2		amd64	Object oriented
GL/GLES Abstraction/Utility Layer				
ii libcogl20:amd64	1.22.0-2		amd64	Object oriented
GL/GLES Abstraction/Utility Layer				

ii libcolamd2.9.1:amd64	1:4.4.6-1	amd64	column approximate minimum degree ordering library for sparse matrices
ii libcolord2:amd64	1.2.12-1ubuntu1	amd64	system service to manage device colour profiles -- runtime
ii libcolorhug2:amd64	1.2.12-1ubuntu1	amd64	library to access the ColorHug colourimeter -- runtime
ii libcolumbus1-common	1.1.0+15.10.20150806-0ubuntu4	all	error tolerant matching engine - common files
ii libcolumbus1v5:amd64	1.1.0+15.10.20150806-0ubuntu4	amd64	error tolerant matching engine - shared library
ii libcomerr2:amd64	1.42.13-1ubuntu1	amd64	common error description library
ii libcomerr2:i386	1.42.13-1ubuntu1	i386	common error description library
ii libcommons-cli-java	1.3.1-3ubuntu1	all	Command line arguments and options parsing library
ii libcommons-codec-java	1.10-1	all	encoder and decoders such as Base64 and hexadecimal codec
ii libcommons-collections3-java	3.2.2-1	all	Apache Commons Collections - Extended Collections API for Java
ii libcommons-httpclient-java	3.1-12	all	Commons HTTPClient - Java library for creating HTTP clients
ii libcommons-io-java	2.4-2	all	Common useful IO related classes
ii libcommons-lang-java	2.6-6ubuntu2	all	Commons Lang - an extension of the java.lang package
ii libcommons-lang3-java	3.4-1	all	Extension of the java.lang package (for Java 5+)
ii libcommons-logging-java	1.2-1+build1	all	common wrapper interface for several logging APIs
ii libcommons-math-java	2.2-5	all	Java lightweight mathematics and statistics components
ii libcommons-net-java	3.4-2ubuntu2	all	Apache Commons Net - Java client API for basic Internet protocols
ii libcommons-net2-java	2.2-2	all	internet protocol suite Java library
ii libcommons-parent-java	39-3	all	Maven metadata for Apache Commons project
ii libcompizconfig0:amd64	1:0.9.12.2+16.04.20160823-0ubuntu1	amd64	Settings library for plugins - OpenCompositing Project
ii libcrack2:amd64	2.9.2-1build2	amd64	pro-active password checker library
ii libcroco3:amd64	0.6.11-1	amd64	Cascading Style Sheet (CSS) parsing and manipulation toolkit
ii libcryptsetup4:amd64	2:1.6.6-5ubuntu2	amd64	disk encryption support - shared library

ii libcrystalhd3:amd64	1:0.0~git20110715.fdd2f19-11build1	amd64	Crystal HD
Video Decoder (shared library)			
ii libcups2:amd64	2.1.3-4	amd64	Common UNIX Printing System(tm) - Core library
ii libcups2:i386	2.1.3-4	i386	Common UNIX Printing System(tm) - Core library
ii libcups2-dev:amd64	2.1.3-4	amd64	Common UNIX Printing System(tm) - Development files CUPS library
ii libcupscgi1:amd64	2.1.3-4	amd64	Common UNIX Printing System(tm) - CGI library
ii libcupsfilters1:amd64	1.8.3-2ubuntu3.1	amd64	OpenPrinting CUPS Filters - Shared library
ii libcupsimage2:amd64	2.1.3-4	amd64	Common UNIX Printing System(tm) - Raster image library
ii libcupsmime1:amd64	2.1.3-4	amd64	Common UNIX Printing System(tm) - MIME library
ii libcupspdc1:amd64	2.1.3-4	amd64	Common UNIX Printing System(tm) - PPD manipulation library
ii libcurl3:amd64	7.47.0-1ubuntu2.2	amd64	easy-to-use client-side URL transfer library (OpenSSL flavour)
ii libcurl3-gnutls:amd64	7.47.0-1ubuntu2.2	amd64	easy-to-use client-side URL transfer library (GnuTLS flavour)
ii libcv-dev:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	Translation package for libcv-dev
ii libcvaux-dev:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	Translation package for libcvaux-dev
ii libdaemon0:amd64	0.14-6	amd64	lightweight C library for daemons - runtime library
ii libdata-alias-perl	1.20-1build1	amd64	module to create aliases instead of copies
ii libdatrie1:amd64	0.2.10-2	amd64	Double-array trie library
ii libdatrie1:i386	0.2.10-2	i386	Double-array trie library
ii libdb5.3:amd64	5.3.28-11	amd64	Berkeley v5.3 Database Libraries [runtime]
ii libdbus-1-3:amd64	1.10.6-1ubuntu3.3	amd64	simple interprocess messaging system (library)
ii libdbus-1-3:i386	1.10.6-1ubuntu3.3	i386	simple interprocess messaging system (library)
ii libdbus-glib-1-2:amd64	0.106-1	amd64	simple interprocess messaging system (GLib-based shared library)
ii libdbus-glib-1-2:i386	0.106-1	i386	simple interprocess messaging system (GLib-based shared library)
ii libdbusmenu-glib4:amd64	16.04.1+16.04.20160927-0ubuntu1	amd64	library for passing menus over Dbus
ii libdbusmenu-gtk3-4:amd64	16.04.1+16.04.20160927-0ubuntu1	amd64	library for passing menus over Dbus - GTK+ version

ii libdbusmenu-gtk4:amd64	16.04.1+16.04.20160927-0ubuntu1	amd64	
library for passing menus over DBus - GTK+ version			
ii libdbusmenu-qt2:amd64	0.9.3+16.04.20160218-0ubuntu1	amd64	Qt
implementation of the DBusMenu protocol			
ii libdbusmenu-qt2:i386	0.9.3+16.04.20160218-0ubuntu1	i386	Qt
implementation of the DBusMenu protocol			
ii libdbusmenu-qt5:amd64	0.9.3+16.04.20160218-0ubuntu1	amd64	Qt5
implementation of the DBusMenu protocol			
ii libdc1394-22:amd64	2.2.4-1	amd64	high level
programming interface for IEEE 1394 digital cameras			
ii libdc1394-22-dev:amd64	2.2.4-1	amd64	high level
programming interface for IEEE 1394 digital cameras - development			
ii libdca0:amd64			
0.0.5-7build1	amd64		decoding library for DTS Coherent Acoustics streams
ii libdconf1:amd64	0.24.0-2	amd64	simple configuration
storage system - runtime library			
ii libdconf1:i386	0.24.0-2	i386	simple configuration storage
system - runtime library			
ii libde265-0:amd64	1.0.2-2	amd64	Open H.265 video codec
implementation			
ii libdebconfclient0:amd64	0.198ubuntu1	amd64	Debian
Configuration Management System (C-implementation library)			
ii libdecoration0:amd64	1:0.9.12.2+16.04.20160823-0ubuntu1	amd64	Compiz
window decoration library			
ii libdee-1.0-4:amd64			
1.2.7+15.04.20150304-0ubuntu2	amd64		model to synchronize multiple
instances over DBus - shared lib			
ii libdevmapper1.02.1:amd64	2:1.02.110-1ubuntu10	amd64	Linux Kernel
Device Mapper userspace library			
ii libdfu1:amd64	0.7.0-0ubuntu4.3	amd64	Firmware update
daemon library for DFU support			
ii libdigest-hmac-perl	1.03+dfsg-1	all	module for creating
standard message integrity checks			
ii libdjvulibre-text	3.5.27.1-5	all	Linguistic support files for
libdjvulibre			
ii libdjvulibre21:amd64	3.5.27.1-5	amd64	Runtime support for
the DjVu			
image format			
ii libdmapsharing-3.0-2:amd64	2.9.34-1	amd64	DMAP client and
server library - runtime			
ii libdns-export162	1:9.10.3.dfsg.P4-8ubuntu1.4	amd64	Exported DNS
Shared Library			
ii libdns162:amd64	1:9.10.3.dfsg.P4-8ubuntu1.4	amd64	DNS Shared
Library used by BIND			
ii libdom4j-java	1.6.1+dfsg.3-2ubuntu1	all	flexible XML
framework for Java			
ii libdotconf0:amd64	1.3-0.2	amd64	Configuration file parser
library - runtime files			

ii libdouble-conversion1v5:amd64	2.0.1-3ubuntu2	amd64	routines to convert IEEE floats to and from strings
ii libdoxia-core-java	1.1.4-3ubuntu1	all	Doxia content generation framework (core)
ii libdpkg-perl	1.18.4ubuntu1.1	amd64	Dpkg perl modules
ii libdrm-amdgpu1:amd64	2.4.67-1ubuntu0.16.04.2	amd64	Userspace interface to amdgpu-specific kernel DRM services -- runtime
ii libdrm-amdgpu1:i386	2.4.67-1ubuntu0.16.04.2	i386	Userspace interface to amdgpu-specific kernel DRM services -- runtime
ii libdrm-dev:amd64	2.4.67-1ubuntu0.16.04.2	amd64	Userspace interface to kernel DRM services -- development files
ii libdrm-intel1:amd64	2.4.67-1ubuntu0.16.04.2	amd64	Userspace interface to intel-specific kernel DRM services -- runtime
ii libdrm-intel1:i386	2.4.67-1ubuntu0.16.04.2	i386	Userspace interface to intel-specific kernel DRM services -- runtime
ii libdrm-nouveau2:amd64	2.4.67-1ubuntu0.16.04.2	amd64	Userspace interface to nouveau-specific kernel DRM services -- runtime
ii libdrm-nouveau2:i386	2.4.67-1ubuntu0.16.04.2	i386	Userspace interface to nouveau-specific kernel DRM services -- runtime
ii libdrm-radeon1:amd64	2.4.67-1ubuntu0.16.04.2	amd64	Userspace interface to radeon-specific kernel DRM services -- runtime
ii libdrm-radeon1:i386	2.4.67-1ubuntu0.16.04.2	i386	Userspace interface to radeon-specific kernel DRM services -- runtime
ii libdrm2:amd64	2.4.67-1ubuntu0.16.04.2	amd64	Userspace interface to kernel DRM services -- runtime
ii libdrm2:i386	2.4.67-1ubuntu0.16.04.2	i386	Userspace interface to kernel DRM services -- runtime
ii libdv4:amd64	1.0.0-7	amd64	software library for DV format digital video (runtime lib)
ii libdv4:i386	1.0.0-7	i386	software library for DV format digital video (runtime lib)
ii libdvnav4:amd64	5.0.3-1	amd64	DVD navigation library
ii libdvread4:amd64	5.0.3-1	amd64	library for reading DVDs
ii libdw1:amd64	0.165-3ubuntu1	amd64	library that provides access to the DWARF debug information
ii libe-book-0.1-1:amd64	0.1.2-2ubuntu1	amd64	library for reading and converting various e-book formats
ii libeasymock-java	3.3.1+ds-3	all	Java library to generate Mock Objects for given interfaces
ii libebook-1.2-10:amd64	3.18.5-1ubuntu1	amd64	Utility library for evolution data servers
ii libebook-1.2-16:amd64	3.18.5-1ubuntu1	amd64	Client library for evolution address books
ii libebook-contacts-1.2-2:amd64	3.18.5-1ubuntu1		

	amd64	Client library for evolution contacts books		
ii	libecal-1.2-19:amd64	3.18.5-1ubuntu1	amd64	Client library for evolution calendars
ii	libecclipse-aether-java-artifact-repositories	1.0.2-1	all	Library to handle Java artifact repositories
ii	libecryptfs1	1:1.1-0ubuntu1.1	amd64	ecryptfs cryptographic filesystem (library)
ii	libedata-book-1.2-25:amd64	3.18.5-1ubuntu1	amd64	Backend library for evolution address books
ii	libedata-cal-1.2-28:amd64	3.18.5-1ubuntu1	amd64	Backend library for evolution calendars
ii	libedataserver-1.2-21:amd64	3.18.5-1ubuntu1		
	amd64	Utility library for evolution data servers		
ii	libedataserverui-1.2-1:amd64	3.18.5-1ubuntu1	amd64	Utility library for evolution data servers
ii	libedit2:amd64	3.1-20150325-1ubuntu2	amd64	BSD editline and history libraries
ii	libedit2:i386	3.1-20150325-1ubuntu2	i386	BSD editline and history libraries
ii	libefivar0:amd64	0.23-2	amd64	Library to manage UEFI variables
ii	libegl1-mesa:amd64	11.2.0-1ubuntu2.2	amd64	free implementation of the EGL API -- runtime
ii	libegl1-mesa:i386	11.2.0-1ubuntu2.2	i386	free implementation of the EGL API -- runtime
ii	libelf1:amd64	0.165-3ubuntu1	amd64	library to read and write ELF files
ii	libelf1:i386	0.165-3ubuntu1	i386	library to read and write ELF files
ii	libemail-valid-perl	1.198-1	all	Perl module for checking the validity of Internet email addresses
ii	libenchant1c2a:amd64	1.6.0-10.1build2	amd64	Wrapper library for various spell checker engines (runtime libs)
ii	libenchant1c2a:i386	1.6.0-10.1build2	i386	Wrapper library for various spell checker engines (runtime libs)
ii	libencode-locale-perl	1.05-1		
	all	utility to determine the locale encoding		
ii	libeot0:amd64	0.01-3ubuntu1	amd64	Library for parsing/convertng Embedded OpenType files
ii	libepoxy0:amd64	1.3.1-1	amd64	OpenGL function pointer management library
ii	liberror-perl	0.17-1.2	all	Perl module for error/exception handling in an OO-ish way
ii	libespeak1:amd64	1.48.04+dfsg-2	amd64	Multi-lingual software speech synthesizer: shared library
ii	libestr0	0.1.10-1	amd64	Helper functions for handling strings (lib)
ii	libetonyek-0.1-1:amd64			

	0.1.6-1ubuntu1	amd64	library for reading and converting Apple
Keynote presentations			
ii libevdev2:amd64	1.4.6+dfsg-1	amd64	wrapper library for evdev devices
ii libevdocument3-4:amd64	3.18.2-1ubuntu4	amd64	Document (PostScript, PDF) rendering library
ii libevent-2.0-5:amd64	2.0.21-stable-2	amd64	Asynchronous event notification library
ii libevview3-3:amd64	3.18.2-1ubuntu4	amd64	Document (PostScript, PDF) rendering library - Gtk+ widgets
ii libexempi3:amd64	2.2.2-2	amd64	library to parse XMP metadata (Library)
ii libexif12:amd64	0.6.21-2	amd64	library to parse EXIF files
ii libexiv2-14:amd64	0.25-2.1	amd64	EXIF/IPTC metadata manipulation library
ii libexpat1:amd64	2.1.0-7ubuntu0.16.04.2	amd64	XML parsing C library - runtime library
ii libexpat1:i386	2.1.0-7ubuntu0.16.04.2	i386	XML parsing C library - runtime library
ii libexpat1-dev:amd64	2.1.0-7ubuntu0.16.04.2	amd64	XML parsing C library - development kit
ii libexporter-lite-perl	0.08-1	all	lightweight subset of Exporter
ii libexporter-tiny-perl	0.042-1	all	tiny exporter similar to Sub::Exporter
ii libexttextcat-2.0-0:amd64	3.4.4-1ubuntu3	amd64	Language detection library
ii libexttextcat-data	3.4.4-1ubuntu3	all	Language detection library - data files
ii libfaad2:amd64	2.8.0~cvs20150510-1	amd64	freeware Advanced Audio Decoder - runtime files
ii libfakeroot:amd64	1.20.2-1ubuntu1	amd64	tool for simulating superuser privileges - shared libraries
ii libfcgi-perl	0.77-1build1	amd64	helper module for FastCGI
ii libfcitx-config4:amd64	1:4.2.9.1-1ubuntu1.16.04.2	amd64	Flexible Input Method Framework - configuration support library
ii libfcitx-gclient0:amd64	1:4.2.9.1-1ubuntu1.16.04.2	amd64	Flexible Input Method Framework - D-Bus client library for Glib
ii libfcitx-utils0:amd64	1:4.2.9.1-1ubuntu1.16.04.2	amd64	Flexible Input Method Framework - utility support library
ii libfdisk1:amd64	2.27.1-6ubuntu3.2	amd64	fdisk partitioning library
ii libffi-dev:amd64	3.2.1-4	amd64	Foreign Function Interface library (development files)
ii libffi6:amd64	3.2.1-4	amd64	Foreign Function Interface library runtime
ii libffi6:i386			

	3.2.1-4	i386	Foreign Function Interface library runtime
ii libfftw3-double3:amd64	3.3.4-2ubuntu1	amd64	Library for computing Fast Fourier Transforms - Double precision
ii libfftw3-single3:amd64	3.3.4-2ubuntu1	amd64	Library for computing Fast Fourier Transforms - Single precision
ii libfile-basedir-perl	0.07-1	all	Perl module to use the freedesktop basedir specification
ii libfile-copy-recursive-perl	0.38-1	all	Perl extension for recursively copying files and directories
ii libfile-desktopentry-perl	0.22-1	all	Perl module to handle freedesktop .desktop files
ii libfile-fcntllock-perl	0.22-3	amd64	Perl module for file locking with fcntl(2)
ii libfile-homedir-perl	1.00-1	all	Perl module for finding user directories across platforms
ii libfile-listing-perl	6.04-1	all	module to parse directory listings
ii libfile-mimeinfo-perl	0.27-1	all	Perl module to determine file types
ii libfile-stripnondeterminism-perl	0.015-1	all	Perl module for stripping non-determinism from files
ii libfile-which-perl	1.19-1	all	Perl module for searching paths for executable programs
ii libfl-dev:amd64	2.6.0-11	amd64	static library for flex (a fast lexical analyzer generator)
ii libflac8:amd64	1.3.1-4	amd64	Free Lossless Audio Codec - runtime C library
ii libflac8:i386	1.3.1-4	i386	Free Lossless Audio Codec - runtime C library
ii libflite1:amd64	2.0.0-release-1	amd64	Small run-time speech synthesis engine - shared libraries
ii libfluidsynth1:amd64	1.1.6-3	amd64	Real-time MIDI software synthesizer (runtime library)
ii libfont-afm-perl	1.20-1	all	Font::AFM - Interface to Adobe Font Metrics files
ii libfontconfig1:amd64	2.11.94-0ubuntu1.1	amd64	generic font configuration library - runtime
ii libfontconfig1:i386	2.11.94-0ubuntu1.1	i386	generic font configuration library - runtime
ii libfontconfig1-dev:amd64	2.11.94-0ubuntu1.1	amd64	generic font configuration library - development
ii libfontembed1:amd64	1.8.3-2ubuntu3.1	amd64	OpenPrinting CUPS Filters - Font Embed Shared library
ii libfontenc1:amd64	1:1.1.3-1	amd64	X11 font encoding library
ii libframe6:amd64	2.5.0daily13.06.05+16.04.20160809-0ubuntu1	amd64	Touch Frame Library
ii libfreehand-0.1-1:amd64	0.1.1-1ubuntu1	amd64	Library for parsing

the FreeHand file format structure				
ii libfreehep-export-java As Library	2.1.1-2	all	FreeHEP Export and Save	
ii libfreehep-graphics2d-java Library	2.1.1-4	all	FreeHEP 2D Graphics	
ii libfreehep-graphicsio-emf-java Enhanced Metafile Format Driver	2.1.1-emfplus+dfsg1-2	all	FreeHEP	
ii libfreehep-graphicsio-java Base Library	2.1.1-3	all	FreeHEP GraphicsIO	
ii libfreehep-graphicsio-pdf-java all FreeHEP Portable Document Format Driver	2.1.1+dfsg-1			
ii libfreehep-graphicsio-svg-java Vector Graphics Driver	2.1.1-3	all	FreeHEP Scalable	
ii libfreehep-graphicsio-tests-java Test Library	2.1.1+dfsg1-3	all	FreeHEP GraphicsIO	
ii libfreehep-io-java	2.0.2-4	all	FreeHEP I/O library	
ii libfreehep-swing-java	2.0.3-3	all	FreeHEP swing extensions	
ii libfreehep-util-java	2.0.2-5	all	FreeHEP utility library	
ii libfreehep-xml-java	2.1.2+dfsg1-3	all	FreeHEP XML Library	
ii libfreerdp-cache1.1:amd64 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64			Free Remote Desktop Protocol	
library (cache library)				
ii libfreerdp-client1.1:amd64 Remote Desktop Protocol library (client library)	1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64		Free	
ii libfreerdp-codec1.1:amd64 Free Remote Desktop Protocol library (codec library)	1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64			
ii libfreerdp-common1.1.0:amd64 Free Remote Desktop Protocol library (common library)	1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64			
ii libfreerdp-core1.1:amd64 Remote Desktop Protocol library (core library)	1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64		Free	
ii libfreerdp-crypto1.1:amd64 Free Remote Desktop Protocol library (freerdp-crypto library)	1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64			
ii libfreerdp-gdi1.1:amd64 Remote Desktop Protocol library (GDI library)	1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64		Free	
ii libfreerdp-locale1.1:amd64 Free Remote Desktop Protocol library (locale library)	1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64			
ii libfreerdp-plugins-standard:amd64 RDP client for Windows Terminal Services (plugins)	1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64			
ii libfreerdp-primitives1.1:amd64 Free Remote Desktop Protocol library (primitives library)	1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64			
ii libfreerdp-utils1.1:amd64 Remote Desktop Protocol library (freerdp-utils library)	1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64		Free	
ii libfreetype6:amd64 amd64 FreeType 2 font engine, shared library files	2.6.1-0.1ubuntu2			
ii libfreetype6:i386 shared library files	2.6.1-0.1ubuntu2	i386	FreeType 2 font engine,	
ii libfreetype6-dev:amd64	2.6.1-0.1ubuntu2	amd64	FreeType 2 font	

engine, development files				
ii libfribidi0:amd64	0.19.7-1	amd64	Free Implementation of	
the Unicode BiDi algorithm				
ii libfuse2:amd64	2.9.4-1ubuntu3.1	amd64	Filesystem in	
Userspace (library)				
ii libfwupd0:amd64	0.5-2ubuntu4	amd64	Library to manage	
UEFI firmware updates				
ii libfwupd1:amd64	0.7.0-0ubuntu4.3			
amd64 Firmware update daemon library				
ii libgail-3-0:amd64	3.18.9-1ubuntu3.1	amd64	GNOME	
Accessibility Implementation Library -- shared libraries				
ii libgail-common:amd64	2.24.30-1ubuntu1	amd64	GNOME	
Accessibility Implementation Library -- common modules				
ii libgail18:amd64	2.24.30-1ubuntu1	amd64	GNOME	
Accessibility Implementation Library -- shared libraries				
ii libgbm1:amd64	11.2.0-1ubuntu2.2	amd64	generic buffer	
management API -- runtime				
ii libgbm1:i386	11.2.0-1ubuntu2.2	i386	generic buffer	
management API -- runtime				
ii libgc1c2:amd64	1:7.4.2-7.3	amd64	conservative garbage collector for C and C++	
ii libgcab-1.0-0:amd64	0.7-1	amd64	Microsoft Cabinet file	
manipulation library				
ii libgcc-4.9-dev:amd64	4.9.3-13ubuntu2	amd64	GCC support	
library (development files)				
ii libgcc-5-dev:amd64	5.4.0-6ubuntu1~16.04.4	amd64	GCC support	
library (development files)				
ii libgcc1:amd64	1:6.0.1-0ubuntu1	amd64	GCC support library	
ii libgcc1:i386	1:6.0.1-0ubuntu1	i386	GCC support library	
ii libgck-1-0:amd64	3.18.0-1ubuntu1			
amd64 Glib wrapper library for PKCS#11 - runtime				
ii libgconf-2-4:amd64	3.2.6-3ubuntu6	amd64	GNOME	
configuration database system (shared libraries)				
ii libgcr-3-common	3.18.0-1ubuntu1	all	Library for Crypto UI	
related tasks - common files				
ii libgcr-base-3-1:amd64	3.18.0-1ubuntu1	amd64	Library for Crypto	
related tasks				
ii libgcr-ui-3-1:amd64	3.18.0-1ubuntu1	amd64	Library for Crypto	
UI related tasks				
ii libgcrui11-dev	1.5.4-3+really1.6.5-2ubuntu0.2	all	transitional	
libgcrui11-dev package				
ii libgcrui20:amd64	1.6.5-2ubuntu0.2			
amd64 LGPL Crypto library - runtime library				
ii libgcrui20:i386	1.6.5-2ubuntu0.2	i386	LGPL Crypto library -	
runtime library				
ii libgcrui20-dev	1.6.5-2ubuntu0.2	amd64	LGPL Crypto library	
- development files				
ii libgd3:amd64	2.1.1-4ubuntu0.16.04.5	amd64	GD Graphics	

Library				
ii libgdata-common	0.17.4-1		all	Library for accessing
GData webservices - common data files				
ii libgdata22:amd64	0.17.4-1		amd64	Library for accessing
GData webservices - shared libraries				
ii libgdbm3:amd64	1.8.3-13.1		amd64	
GNU dbm database routines (runtime version)				
ii libgdiplus	4.2-1ubuntu1		amd64	interface library for
System.Drawing of Mono				
ii libgdk-pixbuf2.0-0:amd64	2.32.2-1ubuntu1.2		amd64	GDK Pixbuf
library				
ii libgdk-pixbuf2.0-0:i386	2.32.2-1ubuntu1.2		i386	GDK Pixbuf library
ii libgdk-pixbuf2.0-common	2.32.2-1ubuntu1.2		all	GDK Pixbuf
library - data files				
ii libgdk-pixbuf2.0-dev	2.32.2-1ubuntu1.2		amd64	GDK Pixbuf
library (development files)				
ii libgee-0.8-2:amd64	0.18.0-1		amd64	GObject based
collection and utility library				
ii libgeis1:amd64	2.2.17+16.04.20160126-0ubuntu1		amd64	Gesture engine interface
support				
ii libgeoclue0:amd64	0.12.99-4ubuntu1		amd64	C API for GeoClue
ii libgeoclue0:i386	0.12.99-4ubuntu1		i386	C API for GeoClue
ii libgeocode-glib0:amd64	3.18.2-1		amd64	geocoding and
reverse geocoding GLib library using Nominatim				
ii libgeoip1:amd64	1.6.9-1		amd64	non-DNS IP-to-country
resolver library				
ii libgeonames0:amd64	0.2+16.04.20160321-0ubuntu1		amd64	Parse and
query the geonames database dump				
ii libgeronimo-interceptor-3.0-spec-java	1.0.1-3fakesync1	all		Geronimo API implementation of the Interceptor 3.0 spec
ii libgetopt-tabular-perl	0.3-2		all	table-driven argument
parsing for Perl 5				
ii libgettextpo-dev:amd64	0.19.7-2ubuntu3		amd64	GNU
Internationalization library development files				
ii libgettextpo0:amd64	0.19.7-2ubuntu3		amd64	GNU
Internationalization library				
ii libgexiv2-2:amd64	0.10.3-2		amd64	GObject-based wrapper
around the Exiv2 library				
ii libgfortran-5-dev:amd64	5.4.0-6ubuntu1~16.04.4		amd64	Runtime
library for GNU Fortran applications (development files)				
ii libgfortran3:amd64	5.4.0-6ubuntu1~16.04.4		amd64	Runtime library for GNU Fortran
applications				
ii libgif7:amd64	5.1.4-0.3~16.04		amd64	library for GIF images
(library)				
ii libgirepository-1.0-1:amd64	1.46.0-3ubuntu1		amd64	Library for
handling GObject introspection data (runtime library)				

ii libgl1-mesa-dev:amd64	11.2.0-1ubuntu2.2	amd64	free
implementation of the OpenGL API -- GLX development files			
ii libgl1-mesa-dri:amd64	11.2.0-1ubuntu2.2	amd64	free
implementation of the OpenGL API -- DRI modules			
ii libgl1-mesa-dri:i386	11.2.0-1ubuntu2.2	i386	free implementation
of the OpenGL API -- DRI modules			
ii libgl1-mesa-glx:amd64	11.2.0-1ubuntu2.2	amd64	free
implementation of the OpenGL API -- GLX runtime			
ii libgl1-mesa-glx:i386	11.2.0-1ubuntu2.2	i386	free implementation
of the OpenGL API -- GLX runtime			
ii libglapi-mesa:amd64	11.2.0-1ubuntu2.2	amd64	free
implementation of the GL API -- shared library			
ii libglapi-mesa:i386	11.2.0-1ubuntu2.2	i386	free implementation
of the GL API -- shared library			
ii libglew1.13:amd64	1.13.0-2	amd64	OpenGL Extension
Wrangler - runtime environment			
ii libglewmx1.13:amd64	1.13.0-2		
amd64 OpenGL Extension Wrangler (Multiple Rendering Contexts)			
ii libgl2.0-0:amd64	2.48.2-0ubuntu1	amd64	GLib library of C
routines			
ii libgl2.0-0:i386	2.48.2-0ubuntu1	i386	GLib library of C
routines			
ii libgl2.0-bin	2.48.2-0ubuntu1	amd64	Programs for the GLib
library			
ii libgl2.0-data	2.48.2-0ubuntu1	all	Common files for GLib
library			
ii libgl2.0-dev	2.48.2-0ubuntu1	amd64	Development files for
the GLib library			
ii libglbmm-2.4-1v5:amd64	2.46.3-1	amd64	C++ wrapper for the
GLib toolkit			
(shared libraries)			
ii libglu1-mesa:amd64	9.0.0-2.1	amd64	Mesa OpenGL utility
library (GLU)			
ii libgme0:amd64	0.6.0-3ubuntu0.16.04.1	amd64	Playback library
for video game music files - shared library			
ii libgmime-2.6-0:amd64	2.6.20-1	amd64	MIME message
parser and creator library - runtime			
ii libgmp-dev:amd64	2:6.1.0+dfsg-2	amd64	Multiprecision
arithmetic library developers tools			
ii libgmp10:amd64	2:6.1.0+dfsg-2	amd64	Multiprecision
arithmetic library			
ii libgmp10:i386	2:6.1.0+dfsg-2	i386	Multiprecision
arithmetic library			
ii libgmpxx4ldbl:amd64	2:6.1.0+dfsg-2	amd64	Multiprecision
arithmetic library (C++ bindings)			
ii libgnome-bluetooth13:amd64	3.18.2-1ubuntu2	amd64	GNOME
Bluetooth tools - support library			

ii libgnome-desktop-3-12:amd64 for loading .desktop files - runtime files	3.18.2-1ubuntu1	amd64	Utility library
ii libgnome-keyring-common services library - data files	3.12.0-1build1	all	GNOME keyring
ii libgnome-keyring0:amd64 services library	3.12.0-1build1	amd64	GNOME keyring
ii libgnome-menu-3-0:amd64 implementation of the freedesktop menu specification	3.13.3-6ubuntu3.1	amd64	GNOME
ii libgnomekbd-common manage keyboard configuration - common files	3.6.0-1ubuntu2	all	GNOME library to
ii libgnomekbd8:amd64 manage keyboard configuration - shared library	3.6.0-1ubuntu2	amd64	GNOME library to
ii libgnutls-openssl27:amd64 library - OpenSSL wrapper	3.4.10-4ubuntu1.2	amd64	GNU TLS
ii libgnutls30:amd64 main runtime library	3.4.10-4ubuntu1.2	amd64	GNU TLS library -
ii libgnutls30:i386 main runtime library	3.4.10-4ubuntu1.2	i386	GNU TLS library -
ii libgoa-1.0-0b:amd64 amd64 library for GNOME Online Accounts	3.18.3-1ubuntu2		
ii libgoa-1.0-common Online Accounts - common files	3.18.3-1ubuntu2	all	library for GNOME
ii libgom-1.0-0:amd64 GObjects to SQLite	0.3.1-1	amd64	Object mapper from
ii libgom-1.0-common independent files	0.3.1-1	all	libgom architecture-
ii libgomp1:amd64 (GOMP) support library	5.4.0-6ubuntu1~16.04.4	amd64	GCC OpenMP
ii libgpg-error-dev error values and messages in GnuPG components (development)	1.21-2ubuntu1	amd64	library for common
ii libgpg-error0:amd64 amd64 library for common error values and messages in GnuPG components	1.21-2ubuntu1		
ii libgpg-error0:i386 error values and messages in GnuPG components	1.21-2ubuntu1	i386	library for common
ii libgpgme11:amd64 Made Easy (library)	1.6.0-1	amd64	GPGME - GnuPG
ii libgphoto2-6:amd64 library	2.5.9-3	amd64	gphoto2 digital camera
ii libgphoto2-110n library - localized messages	2.5.9-3	all	gphoto2 digital camera
ii libgphoto2-port12:amd64 camera port library	2.5.9-3	amd64	gphoto2 digital
ii libgpm2:amd64 amd64 General Purpose Mouse - shared library	1.20.4-6.1		
ii libgpm2:i386 shared library	1.20.4-6.1	i386	General Purpose Mouse -
ii libgpod-common	0.8.3-6ubuntu2	amd64	common files for

libgpod				
ii libgpod4:amd64	0.8.3-6ubuntu2	amd64	library to read and write songs and artwork to an iPod	
ii libgrail6	3.1.0+16.04.20160125-0ubuntu1	amd64	Gesture Recognition And Instantiation Library	
ii libgraphite2-3:amd64	1.3.6-1ubuntu1	amd64	Font rendering engine for Complex Scripts -- library	
ii libgraphite2-3:i386	1.3.6-1ubuntu1		Font rendering engine for Complex Scripts -- library	
ii libgrilo-0.2-1:amd64	0.2.15-1	amd64	Framework for discovering and browsing media - Shared libraries	
ii libgs9:amd64	9.18~dfsg~0-0ubuntu2.3	amd64	interpreter for the PostScript language and for PDF - Library	
ii libgs9-common	9.18~dfsg~0-0ubuntu2.3	all	interpreter for the PostScript language and for PDF - common files	
ii libgsettings-qt1:amd64	0.1+16.04.20160329-0ubuntu1	amd64	Library to access GSettings from Qt	
ii libgsl2:amd64	2.1+dfsg-2	amd64	GNU Scientific Library (GSL) -- library package	
ii libgsm1:amd64	1.0.13-4	amd64	Shared libraries for GSM speech compressor	
ii libgssapi-krb5-2:amd64	1.13.2+dfsg-5ubuntu1	amd64	MIT Kerberos runtime libraries - krb5 GSS-API Mechanism	
ii libgssapi-krb5-2:i386	1.13.2+dfsg-5ubuntu1	i386	MIT Kerberos runtime libraries - krb5 GSS-API Mechanism	
ii libgssapi3-heimdal:amd64	1.7~git20150920+dfsg-4ubuntu1	amd64	Heimdal Kerberos - GSSAPI support library	
ii libgstreamer-plugins-bad1.0-0:amd64	1.8.2-1ubuntu0.2	amd64	GStreamer development files for libraries from the "bad" set	
ii libgstreamer-plugins-base1.0-0:amd64	1.8.2-1ubuntu0.2	amd64	GStreamer libraries from the "base" set	
ii libgstreamer-plugins-base1.0-0:i386	1.8.2-1ubuntu0.2	i386	GStreamer libraries from the "base" set	
ii libgstreamer-plugins-good1.0-0:amd64	1.8.2-1ubuntu0.3	amd64	GStreamer development files for libraries from the "good" set	
ii libgstreamer-plugins-good1.0-0:i386	1.8.2-1ubuntu0.3	i386	GStreamer development files for libraries from the "good" set	
ii libgstreamer1.0-0:amd64	1.8.2-1~ubuntu1	amd64	Core GStreamer libraries and elements	
ii libgstreamer1.0-0:i386	1.8.2-1~ubuntu1	i386	Core GStreamer libraries and elements	
ii libgtk-3-0:amd64	3.18.9-1ubuntu3.1	amd64	GTK+ graphical user interface library	
ii libgtk-3-bin	3.18.9-1ubuntu3.1	amd64	programs for the GTK+ graphical user interface library	
ii libgtk-3-common	3.18.9-1ubuntu3.1	all	common files for the	

GTK+ graphical user interface library				
ii libgtk2.0-0:amd64	2.24.30-1ubuntu1	amd64	GTK+ graphical	
user interface library				
ii libgtk2.0-0:i386	2.24.30-1ubuntu1	i386	GTK+ graphical user	
interface library				
ii libgtk2.0-bin	2.24.30-1ubuntu1	amd64	programs for the	
GTK+ graphical user interface library				
ii libgtk2.0-common	2.24.30-1ubuntu1			
all	common files for the GTK+ graphical user interface library			
ii libgtk2.0-dev	2.24.30-1ubuntu1	amd64	development files for	
the GTK+ library				
ii libgtkglex1:amd64	1.2.0-3.2fakesync1ubuntu1	amd64	OpenGL	
Extension to GTK+ (shared libraries)				
ii libgtkmm-3.0-1v5:amd64	3.18.0-1	amd64	C++ wrappers for	
GTK+ (shared libraries)				
ii libgtksourcview-3.0-1:amd64	3.18.2-1	amd64	shared libraries for	
the GTK+ syntax highlighting widget				
ii libgtksourcview-3.0-common	3.18.2-1	all	common files for the	
GTK+ syntax highlighting widget				
ii libgtkspell3-3-0:amd64	3.0.7-2			
amd64	spell-checking addon for GTK+'s TextView widget			
ii libgtop-2.0-10:amd64	2.32.0-1	amd64	gtop system	
monitoring library (shared)				
ii libgtop2-common	2.32.0-1	all	gtop system monitoring	
library (common)				
ii libguava-java	19.0-1	all	Suite of Google common	
libraries for Java				
ii libgucharmap-2-90-7:amd64	1:3.18.2-1ubuntu1	amd64	Unicode	
browser widget library (shared library)				
ii libgudev-1.0-0:amd64	1:230-2	amd64	GObject-based	
wrapper library for libudev				
ii libgudev-1.0-0:i386	1:230-2			
i386	GObject-based wrapper library for libudev			
ii libguice-java	4.0-2	all	lightweight dependency	
injection framework for Java 5 and above				
ii libgusb2:amd64	0.2.9-0ubuntu1	amd64	GLib wrapper around	
libusb1				
ii libgutenprint2	5.2.11-1	amd64	runtime for the Gutenprint	
printer driver library				
ii libgvc6	2.38.0-12ubuntu2.1	amd64	rich set of graph	
drawing tools - gvc library				
ii libgvpr2	2.38.0-12ubuntu2.1	amd64	rich set of graph	
drawing tools - gvpr library				
ii libgweather-3-6:amd64				
3.18.2-0ubuntu0.1	amd64	GWeather shared library		
ii libgweather-common	3.18.2-0ubuntu0.1	all	GWeather common	
files				
ii libgxps2:amd64	0.2.3.2-1	amd64	handling and rendering	

XPS documents (library)				
ii libhamcrest-java	1.3-5ubuntu1		all	library of matchers for building test expressions
ii libhardware2	0.1.0+git20151016+6d424c9-0ubuntu7		amd64	Library to provide access to the Android libhardware HAL
ii libharfbuzz-dev	1.0.1-1ubuntu0.1		amd64	Development files for OpenType text shaping engine
ii libharfbuzz-gobject0:amd64	1.0.1-1ubuntu0.1		amd64	OpenType text shaping engine ICU backend (GObject library)
ii libharfbuzz-icu0:amd64	1.0.1-1ubuntu0.1		amd64	OpenType text shaping engine ICU backend
ii libharfbuzz-icu0:i386	1.0.1-1ubuntu0.1		i386	OpenType text shaping engine ICU backend
ii libharfbuzz0b:amd64	1.0.1-1ubuntu0.1		amd64	OpenType text shaping engine (shared library)
ii libharfbuzz0b:i386	1.0.1-1ubuntu0.1		i386	OpenType text shaping engine (shared library)
ii libcrypto4-heimdal:amd64	1.7~git20150920+dfsg-4ubuntu1		amd64	Heimdal Kerberos - crypto library
ii libheimbase1-heimdal:amd64	1.7~git20150920+dfsg-4ubuntu1	amd64		Heimdal Kerberos - Base library
ii libheimntlm0-heimdal:amd64	1.7~git20150920+dfsg-4ubuntu1		amd64	Heimdal Kerberos - NTLM support library
ii libhighgui-dev:amd64	2.4.9.1+dfsg-1.5ubuntu1		amd64	Translation package for libhighgui-dev
ii libhogweed4:amd64	3.2-1ubuntu0.16.04.1		amd64	low level cryptographic library (public-key cryptos)
ii libhogweed4:i386	3.2-1ubuntu0.16.04.1		i386	low level cryptographic library (public-key cryptos)
ii libhpmud0:amd64	3.16.3+repack0-1		amd64	HP Multi-Point Transport Driver (hpmud) run-time libraries
ii libhtml-form-perl	6.03-1	all		module that represents an HTML form element
ii libhtml-format-perl	2.11-2		all	module for transforming HTML into various formats
ii libhtml-parser-perl	3.72-1		amd64	collection of modules that parse HTML text documents
ii libhtml-tagset-perl	3.20-2		all	Data tables pertaining to HTML
ii libhtml-tree-perl	5.03-2		all	Perl module to represent and create HTML syntax trees
ii libhttp-cookies-perl	6.01-1		all	HTTP cookie jars
ii libhttp-daemon-perl	6.01-1	all		simple http server class
ii libhttp-date-perl	6.02-1		all	module of date conversion routines
ii libhttp-message-perl	6.11-1		all	perl interface to HTTP style messages

ii libhttp-negotiate-perl negotiation	6.00-2	all	implementation of content
ii libhttpclient-java agent implementation	4.5.1-1	all	HTTP/1.1 compliant HTTP
ii libhttpcore-java transport components for Java	4.4.4-1	all	set of low level HTTP
ii libhud2:amd64 amd64 library for exporting items to the Unity HUD	14.10+16.04.20160415-0ubuntu1		
ii libhunspell-1.3-0:amd64 morphological analyzer (shared library)	1.3.3-4ubuntu1	amd64	spell checker and
ii libhunspell-1.3-0:i386 morphological analyzer (shared library)	1.3.3-4ubuntu1	i386	spell checker and
ii libhx509-5-heimdal:amd64 Kerberos - X509 support library	1.7~git20150920+dfsg-4ubuntu1	amd64	Heimdal
ii libhybris bionic-based HW adaptations in glibc systems - libs	0.1.0+git20151016+6d424c9-0ubuntu7	amd64	Allows to run
ii libhybris-common1 Common library that contains the Android linker and custom hooks	0.1.0+git20151016+6d424c9-0ubuntu7	amd64	
ii libhyphen0:amd64 library	2.8.8-2ubuntu1	amd64	ALTLinux hyphenation library - shared
ii libibus-1.0-5:amd64 Bus - shared library	1.5.11-1ubuntu2	amd64	Intelligent Input
ii libical1a:amd64 implementation in C (runtime)	1.0.1-0ubuntu2	amd64	iCalendar library
ii libice-dev:amd64 Exchange library (development headers)	2:1.0.9-1	amd64	X11 Inter-Client
ii libice6:amd64 Exchange library	2:1.0.9-1	amd64	X11 Inter-Client
ii libice6:i386 library	2:1.0.9-1	i386	X11 Inter-Client Exchange
ii libicu-dev:amd64 Components for Unicode	55.1-7	amd64	Development files for International
ii libicu55:amd64 for Unicode	55.1-7	amd64	International Components
ii libicu55:i386 Unicode	55.1-7	i386	International Components for
ii libidn11:amd64 implementation of IETF IDN specifications	1.32-3ubuntu1.1	amd64	GNU Libidn library,
ii libidn11:i386 implementation of IETF IDN specifications	1.32-3ubuntu1.1	i386	GNU Libidn library,
ii libido3-0.1-0:amd64 library providing extra gtk menu items for display in	13.10.0+16.04.20161028-0ubuntu1	amd64	Shared
ii libiec61883-0:amd64 implementation of IEC 61883	1.2.0-0.2	amd64	an partial
ii libiec61883-0:i386	1.2.0-0.2	i386	an partial implementation

of IEC 61883				
ii libieee1284-3:amd64	0.2.11-12	amd64	cross-platform library	
for parallel port access				
ii libijs-0.35:amd64	0.35-12	amd64	IJS raster image transport	
protocol: shared library				
ii libilmbase-dev	2.2.0-11ubuntu2	amd64	development files for	
IlmBase				
ii libilmbase12:amd64	2.2.0-11ubuntu2	amd64	several utility	
libraries				
from ILM used by OpenEXR				
ii libimobiledevice6:amd64	1.2.0+dfsg-3~ubuntu0.2	amd64	Library for	
communicating with the iPhone and iPod Touch				
ii libindicator3-7	12.10.2+16.04.20151208-0ubuntu1	amd64	panel	
indicator applet - shared library				
ii libindicator7	12.10.2+16.04.20151208-0ubuntu1	amd64	panel indicator	
applet - shared library				
ii libinput10:amd64	1.2.3-1ubuntu1	amd64	input device	
management and event handling library - shared library				
ii libio-html-perl	1.001-1	all	open an HTML file with	
automatic charset detection				
ii libio-pty-perl	1:1.08-1.1build1			
amd64 Perl module for pseudo tty IO				
ii libio-socket-inet6-perl	2.72-2	all	object interface for	
AF_INET6 domain sockets				
ii libio-socket-ssl-perl	2.024-1	all	Perl module implementing	
object oriented interface to SSL sockets				
ii libio-string-perl	1.08-3	all	Emulate IO::File interface for	
in-core strings				
ii libipc-run-perl	0.94-1	all	Perl module for running	
processes				
ii libipc-system-simple-perl	1.25-3	all	Perl module to run	
commands simply, with detailed diagnostics				
ii libisc-export160	1:9.10.3.dfsg.P4-8ubuntu1.4			
amd64 Exported ISC Shared Library				
ii libisc160:amd64	1:9.10.3.dfsg.P4-8ubuntu1.4	amd64	ISC Shared	
Library used by BIND				
ii libisccc140:amd64	1:9.10.3.dfsg.P4-8ubuntu1.4	amd64	Command	
Channel Library used by BIND				
ii libisccfg140:amd64	1:9.10.3.dfsg.P4-8ubuntu1.4	amd64	Config File	
Handling Library used by BIND				
ii libisl15:amd64	0.16.1-1	amd64	manipulating sets and	
relations of integer points bounded by linear constraints				
ii libitm1:amd64	5.4.0-6ubuntu1~16.04.4	amd64	GNU	
Transactional Memory Library				
ii libiw30:amd64	30~pre9-8ubuntu1			
amd64 Wireless tools - library				
ii libjack-jackd2-0:amd64	1.9.10+20150825git1ed50c92~dfsg-1ubuntu1	amd64		
JACK Audio Connection Kit (libraries)				

ii libjack-jackd2-0:i386 Audio Connection Kit (libraries)	1.9.10+20150825git1ed50c92~dfsg-1ubuntu1	i386	JACK
ii libjas-java Algebra System	2.5.4408-1	all	Java object-oriented type-safe
ii libjas-plotter-java library	2.2.6+dfsg1-2	all	JAS(2) Plotter graphic
ii libjasper-dev for the JasPer JPEG-2000 library	1.900.1-debian1-2.4ubuntu1	amd64	Development files
ii libjasper1:amd64 JasPer JPEG-2000 runtime library	1.900.1-debian1-2.4ubuntu1	amd64	
ii libjavascriptcoregtk-1.0-0:i386 library from WebKitGTK+	2.4.11-0ubuntu0.1	i386	JavaScript engine
ii libjavascriptcoregtk-4.0-18:amd64 engine library from WebKitGTK+	2.14.3-0ubuntu0.16.04.1	amd64	JavaScript
ii libjavascriptcoregtk-4.0-18:i386 engine library from WebKitGTK+	2.14.3-0ubuntu0.16.04.1	i386	JavaScript
ii libjaxen-java	1.1.6-1ubuntu1	all	Java XPath engine
ii libjaxp1.3-java transformer APIs (DOM, SAX, JAXP, TrAX)	1.3.05-2ubuntu3	all	Java XML parser and
ii libjbig-dev:amd64 files	2.1-3.1	amd64	JBIGkit development
ii libjbig0:amd64	2.1-3.1	amd64	JBIGkit libraries
ii libjbig0:i386	2.1-3.1	i386	JBIGkit libraries
ii libjbig2dec0 - shared libraries	0.12+20150918-1	amd64	JBIG2 decoder library
ii libjcommon-java Java	1.0.16-5	all	General Purpose library for
ii libjdom1-java using XML	1.1.3-1	all	lightweight and fast library
ii libjetty-java webserver -- core libraries	6.1.26-5	all	Java servlet engine and
ii libjfreechart-java 1.0.13-8	all		Chart library for Java
ii libjfugue-java programming	4.0.3-3	all	Java API for music
ii libjlatexmath-java math mode wrote in Java	1.0.3-1	all	Implementation of LaTeX
ii libjpeg-dev:amd64 Group's JPEG runtime library (dependency package)	8c-2ubuntu8	amd64	Independent JPEG
ii libjpeg-turbo8:amd64 compliant runtime library.	1.4.2-0ubuntu3	amd64	IJG JPEG
ii libjpeg-turbo8:i386 runtime library.	1.4.2-0ubuntu3	i386	IJG JPEG compliant
ii libjpeg-turbo8-dev:amd64 amd64	1.4.2-0ubuntu3		Development files for the IJG JPEG library
ii libjpeg62:i386 JPEG runtime library (version 6.2)	1:6b2-2	i386	Independent JPEG Group's

ii libjpeg8:amd64 Group's JPEG runtime library (dependency package)	8c-2ubuntu8	amd64	Independent JPEG
ii libjpeg8:i386 Group's JPEG runtime library (dependency package)	8c-2ubuntu8	i386	Independent JPEG
ii libjpeg8-dev:amd64 Group's JPEG runtime library (dependency package)	8c-2ubuntu8	amd64	Independent JPEG
ii libjs-inherits environment	2.0.1-3	all	Exposes inherits function from Node.js
ii libjs-jquery dynamic web applications	1.11.3+dfsg-4	all	JavaScript library for
ii libjs-modernizr detect HTML5 and CSS3 features in the user's browser	2.6.2+ds1-1ubuntu1	all	JavaScript library to
ii libjs-node-uuid RFC4122 UUIDs - JavaScript library	1.4.0-1	all	simple, fast generation of
ii libjs-sphinxdoc Sphinx documentation	1.3.6-2ubuntu1	all	JavaScript support for
ii libjs-underscore programming helper library	1.7.0~dfsg-1ubuntu1	all	JavaScript's functional
ii libjsch-java all	0.1.53-1ubuntu1		Java implementation of the SSH2 protocol
ii libjson-c2:amd64 library - shared library	0.11-4ubuntu2	amd64	JSON manipulation
ii libjson-c2:i386 library - shared library	0.11-4ubuntu2	i386	JSON manipulation
ii libjson-glib-1.0-0:amd64 manipulation library	1.1.2-0ubuntu1	amd64	GLib JSON
ii libjson-glib-1.0-common manipulation library (common files)	1.1.2-0ubuntu1	all	GLib JSON
ii libjsoncpp1:amd64 writing JSON for C++	1.7.2-1	amd64	library for reading and
ii libjsoup-java all	1.8.3-1		Java HTML parser that makes sense of real-world HTML soup
ii libjsr305-java annotations for software defect detection	0.1~+svn49-9	all	Java library that provides
ii libk5crypto3:amd64 runtime libraries - Crypto Library	1.13.2+dfsg-5ubuntu1	amd64	MIT Kerberos
ii libk5crypto3:i386 runtime libraries - Crypto Library	1.13.2+dfsg-5ubuntu1	i386	MIT Kerberos
ii libkate1:amd64 text encapsulation	0.4.1-7	amd64	Codec for karaoke and
ii libkeyutils1:amd64 Management Utilities (library)	1.5.9-8ubuntu1	amd64	Linux Key
ii libkeyutils1:i386 1.5.9-8ubuntu1	i386		Linux Key Management Utilities (library)
ii libklibc use with initramfs	2.0.4-8ubuntu1.16.04.2	amd64	minimal libc subset for
ii libkmod2:amd64	22-1ubuntu4	amd64	libkmod shared

library				
ii libkpathsea6:amd64	2015.20160222.37495-1	amd64	TeX Live: path	
search library for TeX (runtime part)				
ii libkrb5-26-heimdal:amd64	1.7~git20150920+dfsg-4ubuntu1	amd64	Heimdal	
Kerberos - libraries				
ii libkrb5-3:amd64	1.13.2+dfsg-5ubuntu1	amd64	MIT Kerberos	
runtime libraries				
ii libkrb5-3:i386	1.13.2+dfsg-5ubuntu1			
i386 MIT Kerberos runtime libraries				
ii libkrb5support0:amd64	1.13.2+dfsg-5ubuntu1	amd64	MIT Kerberos	
runtime libraries - Support library				
ii libkrb5support0:i386	1.13.2+dfsg-5ubuntu1	i386	MIT Kerberos	
runtime libraries - Support library				
ii libksba8:amd64	1.3.3-1ubuntu0.16.04.1	amd64	X.509 and CMS	
support library				
ii liblangtag-common	0.5.7-2ubuntu1	all	library to access tags	
for identifying languages -- data				
ii liblangtag1:amd64	0.5.7-2ubuntu1	amd64	library to access tags	
for identifying languages				
ii liblapack-dev	3.6.0-2ubuntu2			
amd64 Library of linear algebra routines 3 - static version				
ii liblapack3	3.6.0-2ubuntu2	amd64	Library of linear algebra	
routines 3 - shared version				
ii liblcms2-2:amd64	2.6-3ubuntu2	amd64	Little CMS 2 color	
management library				
ii liblcms2-2:i386	2.6-3ubuntu2	i386	Little CMS 2 color	
management library				
ii liblcms2-utils	2.6-3ubuntu2	amd64	Little CMS 2 color	
management library (utilities)				
ii libldap-2.4-2:amd64	2.4.42+dfsg-2ubuntu3.1	amd64	OpenLDAP	
libraries				
ii libldb1:amd64	2:1.1.24-1ubuntu3			
amd64 LDAP-like embedded database - shared library				
ii liblightdm-gobject-1-0:amd64	1.18.3-0ubuntu1	amd64	LightDM	
GObject client library				
ii liblircclient0:amd64	0.9.0-0ubuntu6	amd64	infra-red remote	
control support - client library				
ii liblist-moreutils-perl	0.413-1build1	amd64	Perl module with	
additional list functions not found in List::Util				
ii liblldb-3.8	1:3.8-2ubuntu4	amd64	Next generation, high-	
performance debugger, library				
ii libllvm3.8:amd64	1:3.8-2ubuntu4	amd64	Modular compiler	
and toolchain technologies, runtime library				
ii libllvm3.8:i386	1:3.8-2ubuntu4			
i386 Modular compiler and toolchain technologies, runtime library				
ii liblocale-gettext-perl	1.07-1build1	amd64	module using libc	
functions for internationalization in Perl				
ii liblog4j1.2-java	1.2.17-7ubuntu1	all	Logging library for java	

ii liblouis-data	2.6.4-2	all	Braille translation library - data
ii liblouis9:amd64	2.6.4-2	amd64	Braille translation library
- shared libs			
ii liblouisutdml-bin	2.5.0-3	amd64	Braille UTDML
translation utilities			
ii liblouisutdml-data	2.5.0-3		
all	Braille UTDML translation library - data		
ii liblouisutdml6:amd64	2.5.0-3	amd64	Braille UTDML
translation library - shared libs			
ii liblqr-1-0:amd64	0.4.2-2	amd64	converts plain array
images into multi-size representation			
ii liblsan0:amd64	5.4.0-6ubuntu1~16.04.4	amd64	LeakSanitizer -- a
memory leak detector (runtime)			
ii libltdl7:amd64	2.4.6-0.1	amd64	System independent
dlopen wrapper for GNU libtool			
ii liblua5.1-0:amd64	5.1.5-8ubuntu1	amd64	Shared library for the
Lua interpreter version 5.1			
ii liblua5.2-0:amd64	5.2.4-1ubuntu1	amd64	Shared library for the Lua interpreter version
5.2			
ii libluajit-5.1-2:amd64	2.0.4+dfsg-1	amd64	Just in time compiler
for Lua - library version			
ii libluajit-5.1-common	2.0.4+dfsg-1	all	Just in time compiler for
Lua - common files			
ii liblwp-mediatypes-perl	6.02-1	all	module to guess media
type for a file or a URL			
ii liblwp-protocol-https-perl	6.06-2	all	HTTPS driver for
LWP::UserAgent			
ii liblwres141:amd64	1:9.10.3.dfsg.P4-8ubuntu1.4	amd64	Lightweight
Resolver Library used by BIND			
ii liblz4-1:amd64	0.0~r131-2ubuntu2	amd64	Fast LZ compression algorithm library -
runtime			
ii liblzma-dev:amd64	5.1.1alpha+20120614-2ubuntu2	amd64	XZ-format
compression library - development files			
ii liblzma5:amd64	5.1.1alpha+20120614-2ubuntu2	amd64	XZ-format
compression library			
ii liblzma5:i386	5.1.1alpha+20120614-2ubuntu2	i386	XZ-format
compression library			
ii liblzo2-2:amd64	2.08-1.2	amd64	data compression library
ii libmad0:amd64	0.15.1b-8ubuntu1	amd64	MPEG audio
decoder library			
ii libmagic1:amd64	1:5.25-2ubuntu1	amd64	File type determination library using "magic" numbers
ii libmagiccore-6.q16-2:amd64	8:6.8.9.9-7ubuntu5.3	amd64	low-level
image manipulation library -- quantum depth Q16			
ii libmagiccore-6.q16-2-extra:amd64	8:6.8.9.9-7ubuntu5.3	amd64	low-level
image manipulation library - extra codecs (Q16)			

ii libmagickwand-6.q16-2:amd64 manipulation library	8:6.8.9.9-7ubuntu5.3	amd64	image
ii libmail-sendmail-perl script	0.79.16-1	all	Send email from a perl
ii libmailtools-perl programs	2.13-1	all	Manipulate email in perl
ii libmaven-parent-java all	21-2		Maven metadata for Apache Maven itself
ii libmaven2-core-java	2.2.1-24	all	Core libraries for Maven2
ii libmaven3-core-java	3.3.9-3	all	Core libraries for Maven 3
ii libmbim-glib4:amd64 use the MBIM protocol	1.12.2-2ubuntu1	amd64	Support library to
ii libmbim-proxy communicate with MBIM ports	1.12.2-2ubuntu1	amd64	Proxy to
ii libmedia1 provide access to the Android Media HAL	0.1.0+git20151016+6d424c9-0ubuntu7	amd64	Library to
ii libmediaart-2.0-0:amd64 media art extraction and cache management library	1.9.0-2	amd64	
ii libmessaging-menu0:amd64 Messaging Menu - shared library	13.10.1+15.10.20150505-0ubuntu1	amd64	
ii libmetacity-private3a:amd64 Metacity window manager	1:3.18.7-0ubuntu0.2	amd64	library for the
ii libmhash2:amd64 cryptographic hashing and message authentication	0.9.9.9-7	amd64	Library for
ii libmimic0:amd64 Mimic V2.x content	1.0.4-2.3	amd64	A video codec for
ii libminiupnpc10:amd64 client lightweight library	1.9.20140610-2ubuntu2	amd64	UPnP IGD
ii libmirclient9:amd64 server for Ubuntu - client library	0.21.0+16.04.20160330-0ubuntu1	amd64	Display
ii libmircommon5:amd64 server for Ubuntu - shared library	0.21.0+16.04.20160330-0ubuntu1	amd64	Display
ii libmirprotobuf3:amd64 server for Ubuntu - RPC definitions	0.21.0+16.04.20160330-0ubuntu1	amd64	Display
ii libmjpegutils-2.1-0 capture/editing/replay and MPEG encoding toolset (library)	1:2.1.0+debian-4	amd64	MJPEG
ii libmm-glib0:amd64 managing modems - shared libraries	1.4.12-1ubuntu1	amd64	D-Bus service for
ii libmms0:amd64 library - shared library	0.6.4-1	amd64	MMS stream protocol
ii libmng2:amd64 amd64	2.0.2-0ubuntu3		Multiple-image Network Graphics library
ii libmng2:i386 Graphics library	2.0.2-0ubuntu3	i386	Multiple-image Network
ii libmnl0:amd64 communication library	1.0.3-5	amd64	minimalistic Netlink
ii libmodplug1:amd64 mod music based on ModPlug	1:0.8.8.5-2	amd64	shared libraries for

ii libmono-2.0-dev - Development files (Default version)	4.2.1.102+dfsg2-7ubuntu4	amd64	Mono JIT library
ii libmono-accessibility4.0-cil Accessibility library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-c5-1.1-cil all Mono C5 library	4.2.1.102+dfsg2-7ubuntu4		
ii libmono-cairo4.0-cil (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono Cairo library
ii libmono-cecil-private-cil library	4.2.1.102+dfsg2-7ubuntu4	all	Mono.Cecil
ii libmono-cil-dev Libraries (BCL) - Development files	4.2.1.102+dfsg2-7ubuntu4	all	Mono Base Class
ii libmono-codecontracts4.0-cil Mono.CodeContracts library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	
ii libmono-compilerservices-symbolwriter4.0-cil Mono.CompilerServices.SymbolWriter library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4		all
ii libmono-corlib4.5-cil (for CLI 4.5)	4.2.1.102+dfsg2-7ubuntu4	all	Mono core library
ii libmono-cscmpmgd0.0-cil cscmpmgd library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-csharp4.0c-cil library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono.CSharp
ii libmono-custommarshallers4.0-cil CustomMarshalers library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-data-tds4.0-cil Library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono Data
ii libmono-db2-1.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono DB2 library
ii libmono-debugger-soft4.0a-cil Debugger library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono Soft
ii libmono-http4.0-cil 4.2.1.102+dfsg2-7ubuntu4	all		Mono.Http library (for CLI 4.0)
ii libmono-i18n-cjk4.0-cil library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono I18N.CJK
ii libmono-i18n-mideast4.0-cil I18N.MidEast library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-i18n-other4.0-cil I18N.Other library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-i18n-rare4.0-cil library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono I18N.Rare
ii libmono-i18n-west4.0-cil I18N.West library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-i18n4.0-all all Mono I18N libraries metapackage (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4		
ii libmono-i18n4.0-cil library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono I18N base
ii libmono-ldap4.0-cil library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono LDAP
ii libmono-management4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono

Management library (for CLI 4.0)				
ii	libmono-messaging-rabbitmq4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono
Messaging RabbitMQ library (for CLI 4.0)				
ii	libmono-messaging4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono
Messaging library (for CLI 4.0)				
ii	libmono-microsoft-build-engine4.0-cil	4.2.1.102+dfsg2-7ubuntu4		
all	Mono Microsoft.Build.Engine library (for CLI 4.0)			
ii	libmono-microsoft-build-framework4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono
Microsoft.Build.Framework library (for CLI 4.0)				
ii	libmono-microsoft-build-tasks-v4.0-4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono
Microsoft.Build.Tasks.v4.0 library (for CLI 4.0)				
ii	libmono-microsoft-build-utilities-v4.0-4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono
Microsoft.Build.Utilities.v4.0 library (for CLI 4.0)				
ii	libmono-microsoft-build4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono
Microsoft.Build library (for CLI 4.0)				
ii	libmono-microsoft-csharp4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono
Microsoft.CSharp library (for CLI 4.0)				
ii	libmono-microsoft-visualc10.0-cil	4.2.1.102+dfsg2-7ubuntu4		
all	Mono Microsoft.VisualBasic library (for CLI 4.0)			
ii	libmono-microsoft-web-infrastructure1.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono
Microsoft.Web.Infrastructure library (for CLI 4.0)				
ii	libmono-oracle4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono Oracle
library (for CLI 4.0)				
ii	libmono-parallel4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono.Parallel
library (for CLI 4.0)				
ii	libmono-peapi4.0a-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono PEAPI
library (for CLI 4.0)				
ii	libmono-posix4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono.Posix
library (for CLI 4.0)				
ii	libmono-rabbitmq4.0-cil	4.2.1.102+dfsg2-7ubuntu4		
all	Mono RabbitMQ.Client library (for CLI 4.0)			
ii	libmono-relaxng4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono Relaxng
library (for CLI 4.0)				
ii	libmono-security4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono Security
library (for CLI 4.0)				
ii	libmono-sharpzip4.84-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono
SharpZipLib library (for CLI 4.0)				
ii	libmono-simd4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono SIMD (for CLI 4.0)
ii	libmono-smiagnostics0.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono
SMDiagnostics Library (for CLI 4.0)				
ii	libmono-sqlite4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono Sqlite
library (for CLI 4.0)				
ii	libmono-system-componentmodel-composition4.0-cil	4.2.1.102+dfsg2-7ubuntu4		all
Mono System.ComponentModel.Composition library (for CLI 4.0)				
ii	libmono-system-componentmodel-dataannotations4.0-cil	4.2.1.102+dfsg2-7ubuntu4		all
Mono System.ComponentModel.DataAnnotations library (for CLI 4.0)				
ii	libmono-system-configuration-install4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono

System.Configuration.Install library (for CLI 4.0)				
ii	libmono-system-configuration4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono
System.Configuration library (for CLI 4.0)				
ii	libmono-system-core4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono
System.Core library (for CLI 4.0)				
ii	libmono-system-data-datasetextensions4.0-cil	4.2.1.102+dfsg2-7ubuntu4		
	all			Mono System.Data.DataSetExtensions library (for CLI 4.0)
ii	libmono-system-data-entity4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono
System.Data.Entity library (for CLI 4.0)				
ii	libmono-system-data-linq4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono
System.Data.Linq Library (for CLI 4.0)				
ii	libmono-system-data-services-client4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono
System.Data.Services.Client library (for CLI 4.0)				
ii	libmono-system-data-services4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono
System.Data.Services library (for CLI 4.0)				
ii	libmono-system-data4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono
System.Data library (for CLI 4.0)				
ii	libmono-system-design4.0-cil	4.2.1.102+dfsg2-7ubuntu4		
	all			Mono System.Design Library (for CLI 4.0)
ii	libmono-system-drawing-design4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono
System.Drawing.Design (for CLI 4.0)				
ii	libmono-system-drawing4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono
System.Drawing library (for CLI 4.0)				
ii	libmono-system-dynamic4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono
System.Dynamic library (for CLI 4.0)				
ii	libmono-system-enterpriseservices4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono
System.EnterpriseServices library (for CLI 4.0)				
ii	libmono-system-identitymodel-selectors4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono
System.IdentityModel.Selectors Library (for CLI 4.0)				
ii	libmono-system-identitymodel4.0-cil			
	4.2.1.102+dfsg2-7ubuntu4	all		Mono System.IdentityModel Library (for CLI 4.0)
ii	libmono-system-io-compression-filesystem4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono
System.IO.Compression.FileSystem library (for CLI 4.0)				
ii	libmono-system-io-compression4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono
System.IO.Compression library (for CLI 4.0)				
ii	libmono-system-json-microsoft4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono
System.Json.Microsoft library (for CLI 4.0)				
ii	libmono-system-json4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono
System.Json library (for CLI 4.0)				
ii	libmono-system-ldap-protocols4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono
System.DirectoryServices.Protocols library (for CLI 4.0)				
ii	libmono-system-ldap4.0-cil			
	4.2.1.102+dfsg2-7ubuntu4	all		Mono System.DirectoryServices library (for CLI 4.0)
ii	libmono-system-management4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono
System.Management library (for CLI 4.0)				
ii	libmono-system-messaging4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono
System.Messaging library (for CLI 4.0)				

ii libmono-system-net-http-formatting4.0-cil System.Net.Http.Formatting library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-net-http-webrequest4.0-cil System.Net.Http.WebRequest library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-net-http4.0-cil System.Net.Http library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-net4.0-cil System.Net library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-numeric4.0-cil System.Numerics library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-reactive-core2.2-cil System.Reactive.Core Library (for CLI 4.5)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-reactive-debugger2.2-cil System.Reactive.Debugger Library (for CLI 4.5)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-reactive-experimental2.2-cil System.Reactive.Experimental Library (for CLI 4.5)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-reactive-interfaces2.2-cil System.Reactive.Interfaces Library (for CLI 4.5)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-reactive-linq2.2-cil System.Reactive.Linq Library (for CLI 4.5)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-reactive-observable-aliases0.0-cil System.Reactive.Linq Library (for CLI 4.5)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-reactive-platformservices2.2-cil System.Reactive.PlatformServices Library (for CLI 4.5)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-reactive-providers2.2-cil System.Reactive.Providers Library (for CLI 4.5)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-reactive-runtime-remoting2.2-cil System.Reactive.Runtime.Remoting Library (for CLI 4.5)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-reactive-windows-forms2.2-cil 4.2.1.102+dfsg2-7ubuntu4	all	Mono	System.Reactive.Windows.Forms Library (for CLI 4.5)
ii libmono-system-reactive-windows-threading2.2-cil System.Reactive.Windows.Threading Library (for CLI 4.5)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-runtime-caching4.0-cil System.Runtime.Caching Library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-runtime-durableinstancing4.0-cil System.Runtime.DurableInstancing Library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-runtime-serialization-formatters-soap4.0-cil Mono System.Runtime.Serialization.Formatters.Soap Library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	
ii libmono-system-runtime-serialization4.0-cil System.Runtime.Serialization Library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-runtime4.0-cil System.Runtime library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-security4.0-cil System.Security library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-servicemodel-activation4.0-cil System.ServiceModel.Activation Library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono

ii libmono-system-servicemodel-discovery4.0-cil System.ServiceModel.Discovery Library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-servicemodel-internals0.0-cil System.ServiceModel.Internals Library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-servicemodel-routing4.0-cil all Mono System.ServiceModel.Routing Library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4		
ii libmono-system-servicemodel-web4.0-cil System.ServiceModel.Web Library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-servicemodel4.0a-cil System.ServiceModel Library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-serviceprocess4.0-cil System.ServiceProcess library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-threading-tasks-dataflow4.0-cil System.Threading.Tasks.Dataflow library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-transactions4.0-cil System.Transactions library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-web-abstractions4.0-cil 4.2.1.102+dfsg2-7ubuntu4 all Mono System.Web.Abstractions library (for CLI 4.0)			
ii libmono-system-web-applicationservices4.0-cil System.Web.ApplicationServices library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-web-dynamicdata4.0-cil System.Web.DynamicData library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-web-extensions-design4.0-cil System.Web.Extensions.Design library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-web-extensions4.0-cil System.Web.Extensions library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-web-http-selfhost4.0-cil System.Web.Http.SelfHost library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-web-http-webhost4.0-cil System.Web.Http.WebHost library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-web-http4.0-cil System.Web.Http library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-web-mvc3.0-cil ASP.NET MVC 3.0 Library (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-web-razor2.0-cil System.Web.Razor (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-web-routing4.0-cil System.Web.Routing (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-web-services4.0-cil System.Web.Services (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-web-webpages-deployment2.0-cil 4.2.1.102+dfsg2-7ubuntu4 all Mono System.Web.WebPages.Deployment (for CLI 4.0)			
ii libmono-system-web-webpages-razor2.0-cil System.Web.WebPages.Razor (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-web-webpages2.0-cil System.Web.WebPages (for CLI 4.0)	4.2.1.102+dfsg2-7ubuntu4	all	Mono
ii libmono-system-web4.0-cil	4.2.1.102+dfsg2-7ubuntu4	all	Mono

System.Web library (for CLI 4.0)				
ii	libmono-system-windows-forms-datavisualization4.0a-cil	4.2.1.102+dfsg2-7ubuntu4		all
Mono System.Windows.Forms.DataVisualization Library (for CLI 4.0)				
ii	libmono-system-windows-forms4.0-cil	4.2.1.102+dfsg2-7ubuntu4		all Mono
System.Windows.Forms Library (for CLI 4.0)				
ii	libmono-system-windows4.0-cil	4.2.1.102+dfsg2-7ubuntu4		all Mono
System.Windows library (for CLI 4.0)				
ii	libmono-system-xaml4.0-cil	4.2.1.102+dfsg2-7ubuntu4		all Mono
System.Xaml Library (for CLI 4.0)				
ii	libmono-system-xml-linq4.0-cil	4.2.1.102+dfsg2-7ubuntu4		all Mono
System.Xml.Linq library (for CLI 4.0)				
ii	libmono-system-xml-serialization4.0-cil	4.2.1.102+dfsg2-7ubuntu4		all Mono
System.Xml.Serialization library (for CLI 4.0)				
ii	libmono-system-xml4.0-cil	4.2.1.102+dfsg2-7ubuntu4		all Mono
System.Xml library (for CLI 4.0)				
ii	libmono-system4.0-cil	4.2.1.102+dfsg2-7ubuntu4		all Mono System
libraries (for CLI 4.0)				
ii	libmono-tasklets4.0-cil	4.2.1.102+dfsg2-7ubuntu4		all Mono Tasklets
library (for CLI 4.0)				
ii	libmono-webbrowser4.0-cil	4.2.1.102+dfsg2-7ubuntu4		all Mono Web
Browser library (for CLI 4.0)				
ii	libmono-webmatrix-data4.0-cil	4.2.1.102+dfsg2-7ubuntu4		all Mono
WebMatrix.Data Library (for CLI 4.0)				
ii	libmono-windowsbase4.0-cil	4.2.1.102+dfsg2-7ubuntu4		all Mono
WindowsBase library (for CLI 4.0)				
ii	libmono-xbuild-tasks4.0-cil	4.2.1.102+dfsg2-7ubuntu4		all Mono
Mono.XBuild.Tasks library (for CLI 4.0)				
ii	libmonoboehm-2.0-1	4.2.1.102+dfsg2-7ubuntu4	amd64	Mono JIT
library (Boehm GC)				
ii	libmonoboehm-2.0-dev	4.2.1.102+dfsg2-7ubuntu4	amd64	Mono JIT library - Development files
(Boehm GC)				
ii	libmount1:amd64	2.27.1-6ubuntu3.2	amd64	device mounting
library				
ii	libmp3lame0:amd64	3.99.5+repack1-9build1	amd64	MP3 encoding
library				
ii	libmpc3:amd64	1.0.3-1	amd64	multiple precision
complex floating-point library				
ii	libmpdec2:amd64	2.4.2-1	amd64	library for decimal
floating point arithmetic (runtime library)				
ii	libmpeg2-4:amd64	0.5.1-7	amd64	MPEG1 and MPEG2
video decoder library				
ii	libmpeg2encpp-2.1-0	1:2.1.0+debian-4	amd64	MJPEG capture/editing/replay and MPEG encoding
toolset (library)				
ii	libmpfr4:amd64	3.1.4-1	amd64	multiple precision

floating-point computation				
ii libmpg123-0:amd64	1.22.4-1	amd64	MPEG layer 1/2/3	
audio decoder (shared library)				
ii libmplex2-2.1-0	1:2.1.0+debian-4	amd64	MJPEG	
capture/editing/replay and MPEG encoding toolset (library)				
ii libmpx0:amd64	5.4.0-6ubuntu1~16.04.4	amd64	Intel memory	
protection extensions (runtime)				
ii libmspub-0.1-1:amd64	0.1.2-2ubuntu1	amd64	library for parsing	
the mspub file structure				
ii				
libmtdev1:amd64	1.1.5-1ubuntu2	amd64	Multitouch Protocol	
Translation Library - shared library				
ii libmtp-common	1.1.10-2ubuntu1	all	Media Transfer	
Protocol (MTP) common files				
ii libmtp-runtime	1.1.10-2ubuntu1	amd64	Media Transfer	
Protocol (MTP) runtime tools				
ii libmtp9:amd64	1.1.10-2ubuntu1	amd64	Media Transfer	
Protocol (MTP) library				
ii libmwaw-0.3-3:amd64	0.3.7-1ubuntu2	amd64	import library for	
some old Mac text documents				
ii libmysqlclient20:i386	5.7.17-0ubuntu0.16.04.1	i386	MySQL database	
client library				
ii				
libmythes-1.2-0:amd64	2:1.2.4-1ubuntu3	amd64	simple thesaurus	
library				
ii libnatpmp1:amd64	20110808-4	amd64	portable and fully	
compliant implementation of NAT-PMP				
ii libnautilus-extension1a:amd64	1:3.18.4.is.3.14.3-0ubuntu5	amd64	libraries for	
nautilus components - runtime version				
ii libnb-org-openide-util-java	8.1+dfsg1-2	all	Utility classes from the	
NetBeans Platform				
ii libnb-org-openide-util-lookup-java	8.1+dfsg1-2	all	Utility lookup	
classes from the NetBeans Platform				
ii libncurses5:amd64	6.0+20160213-1ubuntu1	amd64	shared libraries	
for terminal handling				
ii				
libncurses5:i386	6.0+20160213-1ubuntu1	i386	shared libraries for	
terminal handling				
ii libncurses5-dev:amd64	6.0+20160213-1ubuntu1	amd64	developer's	
libraries for ncurses				
ii libncursesw5:amd64	6.0+20160213-1ubuntu1	amd64	shared	
libraries for terminal handling (wide character support)				
ii libncursesw5:i386	6.0+20160213-1ubuntu1	i386	shared libraries	
for terminal handling (wide character support)				
ii libndp0:amd64	1.4-2ubuntu0.16.04.1	amd64	Library for	
Neighbor Discovery Protocol				
ii libneon27-gnutls:amd64	0.30.1-3build1	amd64	HTTP and	
WebDAV client				

library (GnuTLS enabled)			
ii libnet-dbus-perl	1.1.0-3build1	amd64	Perl extension for the DBus bindings
ii libnet-dns-perl	0.81-2build1	amd64	Perform DNS queries from a Perl script
ii libnet-domain-tld-perl	1.73-1	all	list of currently available Top-level Domains (TLDs)
ii libnet-http-perl	6.09-1	all	module providing low-level HTTP connection client
ii libnet-ip-perl	1.26-1	all	Perl extension for manipulating IPv4/IPv6 addresses
ii libnet-libidn-perl	0.12.ds-2build2	amd64	Perl bindings for GNU Libidn
ii libnet-smtp-ssl-perl	1.03-1	all	Perl module providing SSL support to Net::SMTP
ii libnet-ssleay-perl	1.72-1build1	amd64	Perl module for Secure Sockets Layer (SSL)
ii libnetfilter-conntrack3:amd64	1.0.5-1	amd64	Netfilter netlink-conntrack library
ii libnetpbm10	2:10.0-15.3	amd64	Graphics conversion tools shared libraries
ii libnettle6:amd64	3.2-1ubuntu0.16.04.1	amd64	low level cryptographic library (symmetric and one-way cryptos)
ii libnettle6:i386	3.2-1ubuntu0.16.04.1	i386	low level cryptographic library (symmetric and one-way cryptos)
ii libnewt0.52:amd64	0.52.18-1ubuntu2	amd64	Not Erik's Windowing Toolkit - text mode windowing with slang
ii libnfnetlink0:amd64	1.0.1-3	amd64	Netfilter netlink library
ii libnih-dbus1:amd64	1.0.3-4.3ubuntu1	amd64	NIH D-Bus Bindings Library
ii libnih1:amd64	1.0.3-4.3ubuntu1	amd64	NIH Utility Library
ii libnl-3-200:amd64	3.2.27-1	amd64	library for dealing with netlink sockets
ii libnl-genl-3-200:amd64	3.2.27-1	amd64	library for dealing with netlink sockets - generic netlink
ii libnm-glib-vpn1:amd64	1.2.2-0ubuntu0.16.04.3	amd64	network management framework (GLib VPN shared library)
ii libnm-glib4:amd64	1.2.2-0ubuntu0.16.04.3	amd64	network management framework (GLib shared library)
ii libnm-gtk-common	1.2.0-0ubuntu0.16.04.4	all	library for wireless and mobile dialogs - common files
ii libnm-gtk0:amd64	1.2.0-0ubuntu0.16.04.4	amd64	library for wireless and mobile dialogs (libnm-glib version)
ii libnm-util2:amd64	1.2.2-0ubuntu0.16.04.3	amd64	network management framework (shared library)
ii libnm0:amd64	1.2.2-0ubuntu0.16.04.3		

	amd64	GObject-based client library for NetworkManager		
ii	libnma-common	1.2.0-0ubuntu0.16.04.4	all	library for wireless and mobile dialogs - common files
ii	libnma0:amd64	1.2.0-0ubuntu0.16.04.4	amd64	library for wireless and mobile dialogs (libnm version)
ii	libnotify-bin	0.7.6-2svn1	amd64	sends desktop notifications to a notification daemon (Utilities)
ii	libnotify4:amd64	0.7.6-2svn1	amd64	sends desktop notifications to a notification daemon
ii	libnpth0:amd64	1.2-3	amd64	replacement for GNU Pth using system threads
ii	libnspr4:amd64	2:4.12-0ubuntu0.16.04.1	amd64	NetScape Portable Runtime Library
ii	libnss-mdns:amd64	0.10-7	amd64	NSS module for Multicast DNS name resolution
ii	libnss3:amd64	2:3.26.2-0ubuntu0.16.04.2	amd64	Network Security Service libraries
ii	libnss3-1d:amd64	2:3.26.2-0ubuntu0.16.04.2	amd64	Network Security Service libraries - transitional package
ii	libnss3-nssdb	2:3.26.2-0ubuntu0.16.04.2	all	Network Security Service libraries - shared databases
ii	libnuma1:amd64	2.0.11-1ubuntu1	amd64	Libraries for controlling NUMA policy
ii	libnunit-cil-dev	2.6.4+dfsg-1	all	Unit test framework for CLI - Development files
ii	libnunit-console-runner	2.6.3-cil	all	Unit test framework for CLI - Assemblies
ii	libnunit-core-interfaces	2.6.3-cil	all	Unit test framework for CLI - Assemblies
ii	libnunit-core	2.6.3-cil	all	Unit test framework for CLI - Assemblies
ii	libnunit-framework	2.6.3-cil	all	Unit test framework for CLI - Assemblies
ii	libnunit-mocks	2.6.3-cil	all	Unit test framework for CLI - Assemblies
ii	libnunit-util	2.6.3-cil	all	Unit test framework for CLI - Assemblies
ii	libnux-4.0-0	4.0.8+16.04.20160705-0ubuntu1	amd64	Visual rendering toolkit for real-time applications - shared lib
ii	libnux-4.0-common	4.0.8+16.04.20160705-0ubuntu1	all	Visual rendering toolkit for real-time applications - common files
ii	liboauth0:amd64	1.0.3-0ubuntu2	amd64	C library for implementing OAuth 1.0
ii	libobjc-5-dev:amd64	5.4.0-6ubuntu1~16.04.4	amd64	Runtime library for GNU Objective-C applications (development files)
ii	libobjc4:amd64	5.4.0-6ubuntu1~16.04.4	amd64	Runtime library

for GNU Objective-C applications				
ii libobjenesis-java	2.2-1	all	Java library to instantiate a	
new object of a particular class				
ii libodfgen-0.1-1	0.1.6-1ubuntu2	amd64	library to generate	
ODF documents				
ii libofa0:amd64	0.9.3-10ubuntu1	amd64	library for acoustic	
fingerprinting				
ii libogg0:amd64	1.3.2-1	amd64	Ogg bitstream library	
ii libogg0:i386	1.3.2-1	i386	Ogg bitstream library	
ii libopenal-data	1:1.16.0-3	all	Software implementation of	
the OpenAL audio API				
(data files)				
ii libopenal1:amd64	1:1.16.0-3	amd64	Software	
implementation of the OpenAL audio API (shared library)				
ii libopencore-amrnb0:amd64	0.1.3-2.1	amd64	Adaptive Multi	
Rate speech codec - shared library				
ii libopencore-amrwb0:amd64	0.1.3-2.1	amd64	Adaptive Multi-	
Rate - Wideband speech codec - shared library				
ii libopencv-calib3d-dev:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64		
development files for libopencv-calib3d				
ii libopencv-calib3d2.4v5:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	computer	
vision Camera Calibration library				
ii libopencv-contrib-dev:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64		
development files for libopencv-contrib				
ii libopencv-contrib2.4v5:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	computer	
vision contrib library				
ii libopencv-core-dev:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	development	
files for libopencv-core				
ii libopencv-core2.4v5:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	computer	
vision core library				
ii libopencv-dev	2.4.9.1+dfsg-1.5ubuntu1	amd64	development files	
for opencv				
ii libopencv-features2d-dev:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64		
development files for libopencv-features2d				
ii libopencv-features2d2.4v5:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	computer	
vision Feature Detection and Descriptor				
Extraction library				
ii libopencv-flann-dev:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	development	
files for libopencv-flann				
ii libopencv-flann2.4v5:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	computer	
vision Clustering and Search in Multi-Dimensional spaces library				
ii libopencv-gpu-dev:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	development	
files for libopencv-gpu2.4v5				
ii libopencv-gpu2.4v5:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	computer	
vision GPU library				
ii libopencv-highgui-dev:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64		
development files for libopencv-highgui				
ii libopencv-highgui2.4v5:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	computer	

vision				
High-level GUI and Media I/O library				
ii libopencv-imgproc-dev:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64		
development files for libopencv-imgproc				
ii libopencv-imgproc2.4v5:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	computer	
vision Image Processing library				
ii libopencv-legacy-dev:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	development	
files for libopencv-legacy				
ii libopencv-legacy2.4v5:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	computer	
vision legacy library				
ii libopencv-ml-dev:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	development	
files for libopencv-ml				
ii libopencv-ml2.4v5:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	computer	
vision Machine Learning library				
ii				
libopencv-objdetect-dev:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	development	
files for libopencv-objdetect				
ii libopencv-objdetect2.4v5:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	computer	
vision Object Detection library				
ii libopencv-ocl-dev:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	development	
files for libopencv-ocl2.4v5				
ii libopencv-ocl2.4v5:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	computer	
vision OpenCL support library				
ii libopencv-photo-dev:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	development	
files for libopencv-photo2.4v5				
ii libopencv-photo2.4v5:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	computer	
vision computational photography library				
ii				
libopencv-stitching-dev:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	development	
files for libopencv-stitching2.4v5				
ii libopencv-stitching2.4v5:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	computer	
vision image stitching library				
ii libopencv-superres-dev:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64		
development files for libopencv-superres2.4v5				
ii libopencv-superres2.4v5:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	computer	
vision Super Resolution library				
ii libopencv-ts-dev:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	development	
files for libopencv-ts2.4v5				
ii libopencv-ts2.4v5:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	computer	
vision ts library				
ii libopencv-video-dev:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	development	files for libopencv-video
ii libopencv-video2.4v5:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	computer	
vision Video analysis library				
ii libopencv-videostab-dev:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64		
development files for libopencv-videostab2.4v5				
ii libopencv-videostab2.4v5:amd64	2.4.9.1+dfsg-1.5ubuntu1	amd64	computer	
vision video stabilization library				

ii libopencv2.4-java computer vision library	2.4.9.1+dfsg-1.5ubuntu1	all	Java bindings for the
ii libopencv2.4-jni the computer vision library	2.4.9.1+dfsg-1.5ubuntu1	amd64	Java jni library for
ii libopenxr-dev image library	2.2.0-10ubuntu2	amd64	development files for the OpenEXR
ii libopenxr22:amd64 the OpenEXR image library	2.2.0-10ubuntu2	amd64	runtime files for
ii libopenjpeg5:amd64 compression/decompression library - runtime	1:1.5.2-3.1	amd64	JPEG 2000 image
ii libopus0:amd64 library	1.1.2-1ubuntu1	amd64	Opus codec runtime
ii libopus0:i386 library	1.1.2-1ubuntu1	i386	Opus codec runtime
ii liborc-0.4-0:amd64 Inner Loops Runtime Compiler	1:0.4.25-1	amd64	Library of Optimized
ii liborc-0.4-0:i386 Compiler	1:0.4.25-1	i386	Library of Optimized Inner Loops Runtime
ii liborcus-0.10-0v5:amd64 processing spreadsheet documents	0.9.2-4ubuntu2	amd64	library for
ii libosmesa6:amd64 rendering extension	11.2.0-1ubuntu2.2	amd64	Mesa Off-screen
ii liboxideqt-qmlplugin:amd64 engine for Qt (QML plugin)	1.20.4-0ubuntu0.16.04.1	amd64	Web browser
ii liboxideqtcore0:amd64 engine for Qt (core library and components)	1.20.4-0ubuntu0.16.04.1	amd64	Web browser
ii liboxideqtquick0:amd64 engine for Qt (QtQuick library)	1.20.4-0ubuntu0.16.04.1	amd64	Web browser
ii libp11-kit-gnome-keyring:amd64 module loading library	3.18.3-0ubuntu2	amd64	GNOME keyring module for the PKCS#11
ii libp11-kit0:amd64 loading and coordinating access to PKCS#11 modules - runtime	0.23.2-5~ubuntu16.04.1	amd64	library for
ii libp11-kit0:i386 and coordinating access to PKCS#11 modules - runtime	0.23.2-5~ubuntu16.04.1	i386	library for loading
ii libpackagekit-glib2-16:amd64 for accessing PackageKit using GLib	0.8.17-4ubuntu6~gcc5.4ubuntu1.1	amd64	Library
ii libpagemaker-0.0-0:amd64 importing and converting PageMaker Documents	0.0.3-1ubuntu1	amd64	Library for
ii libpam-gnome-keyring:amd64 amd64 PAM module to unlock the GNOME keyring upon login	3.18.3-0ubuntu2	amd64	Pluggable
ii libpam-modules:amd64 Authentication Modules for PAM	1.1.8-3.2ubuntu2	amd64	Pluggable
ii libpam-modules-bin Authentication Modules for PAM - helper binaries	1.1.8-3.2ubuntu2	amd64	Pluggable
ii libpam-runtime Runtime support for the	1.1.8-3.2ubuntu2	all	Runtime support for the

PAM library			
ii libpam-systemd:amd64	229-4ubuntu16	amd64	system and service manager - PAM module
ii libpam0g:amd64	1.1.8-3.2ubuntu2	amd64	Pluggable Authentication Modules library
Authentication Modules library			
ii libpango-1.0-0:amd64	1.38.1-1		
amd64			Layout and rendering of internationalized text
ii libpango-1.0-0:i386	1.38.1-1	i386	Layout and rendering of internationalized text
ii libpango1.0-0:amd64	1.38.1-1	amd64	Layout and rendering of internationalized text (transitional package)
ii libpango1.0-dev	1.38.1-1	amd64	Development files for the Pango
ii libpangocairo-1.0-0:amd64	1.38.1-1	amd64	Layout and rendering of internationalized text
ii libpangocairo-1.0-0:i386	1.38.1-1	i386	Layout and rendering of internationalized text
ii libpangoft2-1.0-0:amd64	1.38.1-1	amd64	Layout and rendering of internationalized text
1.38.1-1			
ii libpangoft2-1.0-0:i386	1.38.1-1	i386	Layout and rendering of internationalized text
ii libpangomm-1.4-1v5:amd64	2.38.1-1	amd64	C++ Wrapper for pango (shared libraries)
ii libpangox-1.0-0:amd64	0.0.2-5	amd64	pango library X backend
ii libpangoxft-1.0-0:amd64	1.38.1-1	amd64	Layout and rendering of internationalized text
ii libpaper-utils	1.1.24+nmu4ubuntu1	amd64	library for handling paper characteristics (utilities)
ii libpaper1:amd64	1.1.24+nmu4ubuntu1		
amd64			library for handling paper characteristics
ii libparse-debianchangelog-perl	1.2.0-8	all	parse Debian changelogs and output them in other formats
ii libparted2:amd64	3.2-15	amd64	disk partition manipulator - shared library
ii libpathplan4	2.38.0-12ubuntu2.1	amd64	rich set of graph drawing tools - pathplan library
ii libpcap0.8:amd64	1.7.4-2	amd64	system interface for user-level packet capture
ii libpci3:amd64	1:3.3.1-1.1ubuntu1	amd64	Linux PCI Utilities (shared library)
ii libpciaccess0:amd64	0.13.4-1	amd64	Generic PCI access library for X
ii libpciaccess0:i386	0.13.4-1	i386	Generic PCI access library for X
ii libpcr16-3:amd64	2:8.38-3.1	amd64	Perl 5 Compatible Regular Expression Library - 16 bit runtime files
ii libpcr3:amd64	2:8.38-3.1	amd64	Perl 5 Compatible Regular Expression Library - 32 bit runtime files

Regular Expression Library - runtime files				
ii libpcre3:i386	2:8.38-3.1	i386	Perl 5 Compatible Regular	
Expression Library - runtime files				
ii libpcre3-dev:amd64	2:8.38-3.1	amd64	Perl 5 Compatible	
Regular Expression Library - development files				
ii libpcre32-3:amd64	2:8.38-3.1	amd64	Perl 5 Compatible	
Regular Expression Library - 32 bit runtime files				
ii libpcrecpp0v5:amd64	2:8.38-3.1	amd64	Perl 5 Compatible	
Regular Expression Library - C++ runtime files				
ii libpcsc-lite1:amd64	1.8.14-1ubuntu1.16.04.1	amd64	Middleware to	
access a smart card using PC/SC (library)				
ii libpeas-1.0-0:amd64	1.16.0-1ubuntu2	amd64	Application plugin	
library				
ii libpeas-1.0-0-python3loader	1.16.0-1ubuntu2	amd64	Application	
plugin library				
ii libpeas-common	1.16.0-1ubuntu2	all	Application	
plugin library (common files)				
ii libperl5.22:amd64	5.22.1-9	amd64	shared Perl library	
ii libperlio-gzip-perl	0.19-1build1	amd64	module providing a	
PerlIO layer to gzip/gunzip				
ii libpipeline1:amd64	1.4.1-2	amd64	pipeline manipulation	
library				
ii libpixman-1-0:amd64	0.33.6-1	amd64	pixel-manipulation	
library for X and cairo				
ii libpixman-1-0:i386	0.33.6-1	i386	pixel-manipulation library	
for X and cairo				
ii libpixman-1-dev	0.33.6-1	amd64	pixel-manipulation	
library for X and cairo (development files)				
ii libplexus-ant-factory-java	1.0~alpha2.1-3	all	Plexus Ant Factory	
ii libplexus-archiver-java	2.2-1	all	Archiver plugin for the	
Plexus compiler system				
ii libplexus-bsh-factory-java	1.0~alpha7-3.1	all	Plexus Beanshell	
Factory				
ii libplexus-cipher-java	1.7-1	all	Plexus Cipher Component	
used by Maven				
ii libplexus-classworlds-java	1.5.0-5	all	Class loading utilities for	
the Plexus framework				
ii libplexus-classworlds2-java	2.5.2-1	all	Class loading utilities for	
the Plexus framework				
ii libplexus-cli-java	1.2-5	all	Easily create CLIs with Plexus components	
ii libplexus-component-annotations-java	1.6-2	all	Plexus Component	
Annotations				
ii libplexus-component-metadata-java	1.6-2	all	Component Metadata	
Maven plugin for Plexus				
ii libplexus-container-default-java	1.0-alpha-9-stable-1-7	all	utilities for the	

Plexus framework				
ii libplexus-container-default1.5-java control Container	1.6-2		all	Plexus Inversion-of-
ii libplexus-containers-java framework	1.0~beta3.0.7-8		all	utilities for the Plexus
ii libplexus-containers1.5-java 1.6-2		all		Plexus IoC Container core with companion tools
ii libplexus-interactivity-api-java the Plexus framework	1.0-alpha-6-7		all	interactivity API for
ii libplexus-interpolation-java	1.21-1		all	Plexus Interpolation API
ii libplexus-io-java	1.0~alpha5-2		all	Plexus IO Components
ii libplexus-sec-dispatcher-java Dispatcher Component used by Maven	1.3.1-6		all	Plexus Security
ii libplexus-utils-java framework	1:1.5.15-4		all	utilities for the Plexus
ii libplexus-utils2-java all utilities for the Plexus framework	3.0.22-1			
ii libplist3:amd64 Apple binary and XML property lists	1.12-3.1		amd64	Library for handling
ii libplymouth4:amd64 animation and logger - shared libraries	0.9.2-3ubuntu13.1		amd64	graphical boot
ii libpng12-0:amd64 runtime	1.2.54-1ubuntu1		amd64	PNG library -
ii libpng12-0:i386	1.2.54-1ubuntu1		i386	PNG library - runtime
ii libpng12-dev:amd64 development	1.2.54-1ubuntu1		amd64	PNG library -
ii libpolkit-agent-1-0:amd64 Authentication Agent API	0.105-14.1		amd64	PolicyKit
ii libpolkit-backend-1-0:amd64 API	0.105-14.1		amd64	PolicyKit backend
ii libpolkit-gobject-1-0:amd64 Authorization API	0.105-14.1		amd64	PolicyKit
ii libpoppler-glib8:amd64 library (GLib-based shared library)	0.41.0-0ubuntu1.1		amd64	PDF rendering
ii libpoppler-qt5-1:amd64 library (Qt 5 based shared library)	0.41.0-0ubuntu1.1		amd64	PDF rendering
ii libpoppler58:amd64 library	0.41.0-0ubuntu1.1		amd64	PDF rendering
ii libpopt0:amd64 parameters	1.16-10		amd64	lib for parsing cmdline
ii libportaudio2:amd64 19+svn20140130-1build1		amd64		Portable audio I/O - shared library
ii libpostproc-ffmpeg53:amd64 library for post processing - runtime files	7:2.8.10-0ubuntu0.16.04.1		amd64	FFmpeg
ii libpotrace0	1.13-2		amd64	library for tracing bitmaps
ii libpq5:amd64 library	9.6.1-2.pgdg16.04+1		amd64	PostgreSQL C client

ii libprocps4:amd64	2:3.3.10-4ubuntu2.3	amd64	library for
accessing process information from /proc			
ii libprotobuf-lite9v5:amd64	2.6.1-1.3	amd64	protocol buffers C++
library (lite version)			
ii libprotobuf9v5:amd64	2.6.1-1.3	amd64	protocol buffers C++ library
ii libproxy1-plugin-gsettings:amd64	0.4.11-5ubuntu1	amd64	automatic
proxy configuration management library (GSettings plugin)			
ii libproxy1-plugin-gsettings:i386	0.4.11-5ubuntu1	i386	automatic proxy
configuration management library (GSettings plugin)			
ii libproxy1-plugin-networkmanager:amd64	0.4.11-5ubuntu1	amd64	automatic
proxy configuration management library (Network Manager plugin)			
ii libproxy1-plugin-webkit:i386	0.4.11-5ubuntu1	i386	automatic proxy
configuration management library (Webkit plugin)			
ii libproxy1v5:amd64	0.4.11-5ubuntu1	amd64	automatic proxy
configuration			
management library (shared)			
ii libproxy1v5:i386	0.4.11-5ubuntu1	i386	automatic proxy
configuration management library (shared)			
ii libptexenc1:amd64	2015.20160222.37495-1	amd64	TeX Live:
pTeX encoding library			
ii libpthread-stubs0-dev:amd64	0.3-4	amd64	pthread stubs not
provided by native libc, development files			
ii libpulse-mainloop-glib0:amd64	1:8.0-0ubuntu3.2	amd64	PulseAudio
client libraries (glib support)			
ii libpulse0:amd64	1:8.0-0ubuntu3.2	amd64	PulseAudio client
libraries			
ii libpulse0:i386	1:8.0-0ubuntu3.2	i386	PulseAudio
client libraries			
ii libpulsedsp:amd64	1:8.0-0ubuntu3.2	amd64	PulseAudio OSS
pre-load library			
ii libpwquality-common	1.3.0-0ubuntu1	all	library for password
quality checking and generation (data files)			
ii libpwquality1:amd64	1.3.0-0ubuntu1	amd64	library for
password quality checking and generation			
ii libpython-all-dev:amd64	2.7.11-1	amd64	package depending on
all supported Python development packages			
ii libpython-dev:amd64	2.7.11-1	amd64	header files and a
static library for Python (default)			
ii libpython-stdlib:amd64	2.7.11-1		
amd64 interactive high-level object-oriented language (default python version)			
ii libpython2.7:amd64	2.7.12-1ubuntu0~16.04.1	amd64	Shared Python
runtime library (version 2.7)			
ii libpython2.7-dev:amd64	2.7.12-1ubuntu0~16.04.1	amd64	Header files
and a static library for Python (v2.7)			
ii libpython2.7-minimal:amd64	2.7.12-1ubuntu0~16.04.1	amd64	Minimal
subset of the Python language (version 2.7)			
ii libpython2.7-stdlib:amd64	2.7.12-1ubuntu0~16.04.1	amd64	Interactive

high-level object-oriented language (standard library, version 2.7)				
ii libpython3-stdlib:amd64	3.5.1-3		amd64	interactive high-level
object-oriented language (default python3 version)				
ii libpython3.5:amd64	3.5.2-2ubuntu0~16.04.1		amd64	Shared Python
runtime library (version 3.5)				
ii libpython3.5-minimal:amd64	3.5.2-2ubuntu0~16.04.1		amd64	Minimal
subset of the Python language (version 3.5)				
ii libpython3.5-stdlib:amd64	3.5.2-2ubuntu0~16.04.1		amd64	Interactive
high-level object-oriented language (standard library, version 3.5)				
ii libqdox2-java	2.0~M3-2		all	quickly parses declarations
and Javadoc from Java source				
ii libqmi-glib1:amd64	1.12.6-1		amd64	Support library to use
the Qualcomm MSM Interface (QMI) protocol				
ii libqmi-proxy	1.12.6-1	amd64		Proxy to communicate with QMI ports
ii libqpdf17:amd64	6.0.0-2		amd64	runtime library for PDF
transformation/inspection software				
ii libqqwing2v5:amd64	1.3.4-1		amd64	tool for generating and
solving Sudoku puzzles (library)				
ii libqt4-dbus:amd64	4:4.8.7+dfsg-5ubuntu2		amd64	Qt 4 D-Bus
module				
ii libqt4-dbus:i386	4:4.8.7+dfsg-5ubuntu2		i386	Qt 4 D-Bus module
ii libqt4-declarative:amd64	4:4.8.7+dfsg-5ubuntu2		amd64	Qt 4
Declarative module				
ii libqt4-declarative:i386	4:4.8.7+dfsg-5ubuntu2		i386	
Qt 4 Declarative module				
ii libqt4-network:amd64	4:4.8.7+dfsg-5ubuntu2		amd64	Qt 4 network
module				
ii libqt4-network:i386	4:4.8.7+dfsg-5ubuntu2		i386	Qt 4 network
module				
ii libqt4-opengl:i386	4:4.8.7+dfsg-5ubuntu2		i386	Qt 4 OpenGL
module				
ii libqt4-script:amd64	4:4.8.7+dfsg-5ubuntu2		amd64	Qt 4 script
module				
ii libqt4-script:i386	4:4.8.7+dfsg-5ubuntu2		i386	Qt 4 script module
ii libqt4-sql:amd64	4:4.8.7+dfsg-5ubuntu2		amd64	Qt 4 SQL module
ii libqt4-sql:i386	4:4.8.7+dfsg-5ubuntu2		i386	
Qt 4 SQL module				
ii libqt4-sql-mysql:i386	4:4.8.7+dfsg-5ubuntu2		i386	Qt 4 MySQL
database driver				
ii libqt4-sql-sqlite:amd64	4:4.8.7+dfsg-5ubuntu2		amd64	Qt 4 SQLite 3
database driver				
ii libqt4-xml:amd64	4:4.8.7+dfsg-5ubuntu2		amd64	Qt 4 XML
module				
ii libqt4-xml:i386	4:4.8.7+dfsg-5ubuntu2		i386	Qt 4 XML module
ii libqt4-xmlpatterns:amd64	4:4.8.7+dfsg-5ubuntu2		amd64	Qt 4 XML
patterns module				

ii libqt4-xmlpatterns:i386 patterns module	4:4.8.7+dfsg-5ubuntu2	i386	Qt 4 XML
ii libqt5core5a:amd64 amd64 Qt 5 core module	5.5.1+dfsg-16ubuntu7.2		
ii libqt5dbus5:amd64 module	5.5.1+dfsg-16ubuntu7.2	amd64	Qt 5 D-Bus
ii libqt5feedback5:amd64 module	5.0~git20130529-0ubuntu13	amd64	Qt Feedback
ii libqt5gui5:amd64	5.5.1+dfsg-16ubuntu7.2	amd64	Qt 5 GUI module
ii libqt5multimedia5:amd64 module	5.5.1-4ubuntu2	amd64	Qt 5 Multimedia
ii libqt5network5:amd64 module	5.5.1+dfsg-16ubuntu7.2	amd64	Qt 5 network
ii libqt5opengl5:amd64 module	5.5.1+dfsg-16ubuntu7.2	amd64	Qt 5 OpenGL
ii libqt5organizer5:amd64 amd64 Qt PIM module, Organizer library	5.0~git20140515~29475884-0ubuntu20		
ii libqt5positioning5:amd64 module	5.5.1-3ubuntu1	amd64	Qt Positioning
ii libqt5printsupport5:amd64 support module	5.5.1+dfsg-16ubuntu7.2	amd64	Qt 5 print
ii libqt5qml5:amd64	5.5.1-2ubuntu6	amd64	Qt 5 QML module
ii libqt5quick5:amd64	5.5.1-2ubuntu6	amd64	Qt 5 Quick library
ii libqt5quicktest5:amd64 library	5.5.1-2ubuntu6	amd64	Qt 5 Quick Test
ii libqt5script5:amd64	5.5.1+dfsg-2build1	amd64	Qt 5 script module
ii libqt5sql5:amd64 amd64 Qt 5 SQL module	5.5.1+dfsg-16ubuntu7.2		
ii libqt5sql5-sqlite:amd64 database driver	5.5.1+dfsg-16ubuntu7.2	amd64	Qt 5 SQLite 3
ii libqt5svg5:amd64	5.5.1-2build1	amd64	Qt 5 SVG module
ii libqt5test5:amd64	5.5.1+dfsg-16ubuntu7.2	amd64	Qt 5 test module
ii libqt5webkit5:amd64 engine library for Qt	5.5.1+dfsg-2ubuntu1	amd64	Web content
ii libqt5widgets5:amd64 module	5.5.1+dfsg-16ubuntu7.2	amd64	Qt 5 widgets
ii libqt5x11extras5:amd64	5.5.1-3build1	amd64	Qt 5 X11 extras
ii libqt5xml5:amd64 amd64 Qt 5 XML module	5.5.1+dfsg-16ubuntu7.2		
ii libqtcore4:amd64	4:4.8.7+dfsg-5ubuntu2	amd64	Qt 4 core module
ii libqtcore4:i386	4:4.8.7+dfsg-5ubuntu2	i386	Qt 4 core module
ii libqtdbus4:amd64 module library	4:4.8.7+dfsg-5ubuntu2	amd64	Qt 4 D-Bus
ii libqtdbus4:i386 library	4:4.8.7+dfsg-5ubuntu2	i386	Qt 4 D-Bus module
ii libqtgui4:amd64	4:4.8.7+dfsg-5ubuntu2	amd64	Qt 4 GUI module
ii libqtgui4:i386	4:4.8.7+dfsg-5ubuntu2	i386	Qt 4 GUI module
ii libqtwebkit4:i386	2.3.2-0ubuntu11		

	i386	Web content engine library for Qt		
ii libquadmath0:amd64		5.4.0-6ubuntu1~16.04.4	amd64	GCC Quad-Precision Math Library
ii libquvi-scripts		0.4.21-2	all	library for parsing video download links (Lua scripts)
ii libquvi7:amd64		0.4.1-3	amd64	library for parsing video download links (runtime libraries)
ii libraptor2-0:amd64		2.0.14-1	amd64	Raptor 2 RDF syntax library
ii librasqal3:amd64		0.9.32-1	amd64	Rasqal RDF query library
ii libraw1394-11:amd64		2.1.1-2		amd64 library for direct access to IEEE 1394 bus (aka FireWire)
ii libraw1394-11:i386		2.1.1-2	i386	library for direct access to IEEE 1394 bus (aka FireWire)
ii libraw1394-dev:amd64		2.1.1-2	amd64	library for direct access to IEEE 1394 bus - development files
ii libraw1394-tools		2.1.1-2	amd64	library for direct access to IEEE 1394 bus (aka FireWire)
ii libraw15:amd64		0.17.1-1	amd64	raw image decoder library
ii librdf0:amd64		1.0.17-1build1	amd64	Redland Resource Description Framework (RDF) library
ii libreadline6:amd64		6.3-8ubuntu2	amd64	GNU readline and history libraries, run-time libraries
ii librecode0:amd64		3.6-22	amd64	Shared library on which recode is based
ii libregexp-common-perl		2016020301-1	all	module with common regular expressions
ii libreoffice-avmedia-backend-gstreamer		1:5.1.4-0ubuntu1	amd64	GStreamer backend for LibreOffice
ii libreoffice-base-core		1:5.1.4-0ubuntu1	amd64	office productivity suite -- shared library
ii libreoffice-calc		1:5.1.4-0ubuntu1	amd64	office productivity suite -- spreadsheet
ii libreoffice-common		1:5.1.4-0ubuntu1	all	office productivity suite -- arch-independent files
ii libreoffice-core		1:5.1.4-0ubuntu1	amd64	office productivity suite -- arch-dependent files
ii libreoffice-draw		1:5.1.4-0ubuntu1	amd64	office productivity suite -- drawing
ii libreoffice-gnome		1:5.1.4-0ubuntu1	amd64	office productivity suite -- GNOME integration
ii libreoffice-gtk		1:5.1.4-0ubuntu1	amd64	office productivity suite -- GTK+ integration
ii libreoffice-help-en-gb		1:5.1.4-0ubuntu1	all	office productivity suite -- English_british help
ii libreoffice-help-en-us				

1:5.1.4-0ubuntu1	all	office productivity suite -- English_american help
ii libreoffice-help-it - Italian help	1:5.1.4-0ubuntu1	all office productivity suite -
ii libreoffice-impress suite -- presentation	1:5.1.4-0ubuntu1	amd64 office productivity
ii libreoffice-l10n-en-gb suite -- English_british language package	1:5.1.4-0ubuntu1	all office productivity
ii libreoffice-l10n-en-za suite -- English_southafrican language package	1:5.1.4-0ubuntu1	all office productivity
ii libreoffice-l10n-it - Italian language package	1:5.1.4-0ubuntu1	all office productivity suite -
ii libreoffice-math suite -- equation editor	1:5.1.4-0ubuntu1	amd64 office productivity
ii libreoffice-ogltrans extension for slide transitions using OpenGL	1:5.1.4-0ubuntu1	amd64 LibreOffice Impress
ii libreoffice-pdfimport component for LibreOffice	1:5.1.4-0ubuntu1	amd64 PDF Import
ii libreoffice-style-breeze suite -- Breeze symbol style	1:5.1.4-0ubuntu1	all office productivity
ii libreoffice-style-galaxy suite -- Galaxy (Default) symbol style	1:5.1.4-0ubuntu1	all office productivity
ii libreoffice-writer office productivity suite -- word processor	1:5.1.4-0ubuntu1	amd64
ii librest-0.7-0:amd64 library	0.7.93-1	amd64 REST service access
ii libvenge-0.0-0:amd64 writing document interface filters	0.0.4-4ubuntu1	amd64 Base Library for
ii librhino-java Engine	1.7R4-3	all Libraries for rhino Java Script
ii librhythmbox-core9:amd64 for the rhythmbox music player	3.3-1ubuntu7	amd64 support library
ii libroken18-heimdal:amd64 Kerberos - roken support library	1.7~git20150920+dfsg-4ubuntu1	amd64 Heimdal
ii libsvg2-2:amd64 renderer library for SVG files (runtime)	2.40.13-3	amd64 SAX-based
ii libsvg2-common:amd64 renderer library for SVG files (extra runtime)	2.40.13-3	amd64 SAX-based
ii libsync1:amd64 algorithm library	0.9.7-10	amd64 rsync remote-delta
ii librtmp1:amd64 RTMP streams (shared library)	2.4+20151223.gitfa8646d-1build1	amd64 toolkit for
ii libruby2.3:amd64 run Ruby 2.3	2.3.1-2~16.04	amd64 Libraries necessary to
ii libsamplerate0:amd64 conversion library	0.1.8-8	amd64 Audio sample rate
ii libsamplerate0:i386	0.1.8-8	i386 Audio sample

rate conversion library				
ii libsane:amd64	1.0.26-git20160712-xenial0	amd64	API library for	
scanners				
ii libsane-common	1.0.26-git20160712-xenial0	amd64	API library for	
scanners -- documentation and support files				
ii libsane-hpaio:amd64	3.16.3+repack0-1	amd64	HP SANE backend	
for multi-function peripherals				
ii libsasl2-2:amd64	2.1.26.dfsg1-14build1	amd64	Cyrus SASL -	
authentication abstraction library				
ii libsasl2-modules:amd64	2.1.26.dfsg1-14build1	amd64	Cyrus SASL -	
pluggable authentication modules				
ii libsasl2-modules-db:amd64	2.1.26.dfsg1-14build1	amd64	Cyrus	
SASL - pluggable authentication modules (DB)				
ii libsbcl:amd64	1.3-1	amd64	Sub Band CODEC library	
- runtime				
ii libschroedinger-1.0-0:amd64	1.0.11-2.1build1	amd64	library for	
encoding/decoding of Dirac video streams				
ii libsd11.2debian:amd64	1.2.15+dfsg1-3	amd64	Simple	
DirectMedia Layer				
ii libseccomp2:amd64	2.2.3-3ubuntu3	amd64	high level interface	
to Linux seccomp filter				
ii libsecret-1-0:amd64	0.18.4-1ubuntu2	amd64	Secret store	
ii libsecret-1-0:i386	0.18.4-1ubuntu2	i386	Secret store	
ii libsecret-common	0.18.4-1ubuntu2	all	Secret store (common files)	
ii libselinux1:amd64	2.4-3build2	amd64	SELinux runtime	
shared libraries				
ii libselinux1:i386	2.4-3build2	i386	SELinux runtime shared	
libraries				
ii libsemanage-common	2.3-1build3	all	Common files for	
SELinux policy management libraries				
ii libsemanage1:amd64	2.3-1build3	amd64	SELinux policy	
management library				
ii libsensors4:amd64	1:3.4.0-2	amd64	library to read	
temperature/voltage/fan sensors				
ii libsepol1:amd64	2.4-2	amd64	SELinux library for manipulating binary security policies	
ii libservlet2.5-java	6.0.45+dfsg-1	all	Servlet 2.5 and JSP 2.1	
Java API classes				
ii libservlet3.1-java	8.0.32-1ubuntu1.3	all	Servlet 3.1, JSP 2.3, EL	
3.0 and WebSocket 1.0 Java API classes				
ii libsgutils2-2	1.40-0ubuntu1	amd64	utilities for devices using	
the SCSI command set (shared libraries)				
ii libshine3:amd64	3.1.0-4	amd64	Fixed-point MP3	
encoding library - runtime files				
ii libshout3:amd64	2.3.1-3	amd64	MP3/Ogg Vorbis	
broadcast streaming library				
ii libshout3:i386				

	2.3.1-3	i386	MP3/Ogg Vorbis broadcast streaming library
ii libsidplay1v5 emulation library	1.36.59-8	amd64	SID (MOS 6581)
ii libsigc++-2.0-0v5:amd64 Framework for C++ - runtime	2.6.2-1	amd64	type-safe Signal
ii libsignon-extension1:amd64 Sign On framework	8.58+16.04.20151106-0ubuntu1	amd64	Single
ii libsignon-glib1:amd64 signond	1.13+16.04.20151209.1-0ubuntu1	amd64	library for
ii libsignon-plugins-common1:amd64 Single Sign On framework	8.58+16.04.20151106-0ubuntu1	amd64	
ii libsignon-qt5-1:amd64 amd64 Single Sign On framework	8.58+16.04.20151106-0ubuntu1		
ii libsigsegv2:amd64 page faults in a portable way	2.10-4	amd64	Library for handling
ii libsisu-inject-java container for Java	0.3.2-1	all	Dependency Injection
ii libsisu-plexus-java dependency injection container	0.3.2-1	all	Plexus adapter for the Sisu
ii libslang2:amd64 library - runtime version	2.3.0-2ubuntu1	amd64	S-Lang programming
ii libslang2:i386 library - runtime version	2.3.0-2ubuntu1	i386	S-Lang programming
ii libslf4j-java all Simple Logging Facade for Java	1.7.14-3		
ii libsm-dev:amd64 Management library (development headers)	2:1.2.2-1	amd64	X11 Session
ii libsm6:amd64 Management library	2:1.2.2-1	amd64	X11 Session
ii libsm6:i386 library	2:1.2.2-1	i386	X11 Session Management
ii libsmartcols1:amd64 output alignment library	2.27.1-6ubuntu3.2	amd64	smart column
ii libsmblclient:amd64 for communication with SMB/CIFS servers	2:4.3.11+dfsg-0ubuntu0.16.04.3	amd64	shared library
ii libsnapd-glib1:amd64 amd64 GLib snapd library	1.2-0ubuntu1.1~xenial		
ii libsnappy1v5:amd64 compression/decompression library	1.1.3-2	amd64	fast
ii libsndfile1:amd64 reading/writing audio files	1.0.25-10	amd64	Library for
ii libsndfile1:i386 audio files	1.0.25-10	i386	Library for reading/writing
ii libsnmp-base script, MIBs and documentation	5.7.3+dfsg-1ubuntu4	all	SNMP configuration
ii libsnmp30:amd64 Network Management Protocol) library	5.7.3+dfsg-1ubuntu4	amd64	SNMP (Simple
ii libsocket6-perl	0.25-1build2	amd64	

Perl extensions for IPv6			
ii	libsodium18:amd64	1.0.8-5	amd64 Network
communication, cryptography and signaturing library			
ii	libsonic0:amd64	0.2.0-3	amd64 Simple library to speed
up or slow down speech			
ii	libsoundtouch1:amd64	1.9.2-2	amd64 Sound stretching
library			
ii	libsoup-gnome2.4-1:amd64	2.52.2-1ubuntu0.1	amd64 HTTP library
implementation in C -- GNOME support library			
ii	libsoup2.4-1:amd64	2.52.2-1ubuntu0.1	amd64 HTTP library
implementation in C -- Shared library			
ii	libsoup2.4-1:i386	2.52.2-1ubuntu0.1	i386
HTTP library implementation in C -- Shared library			
ii	libsoxr0:amd64	0.1.2-1	amd64 High quality 1D sample-
rate conversion library			
ii	libspandsp2:amd64	0.0.6-2.1	amd64 Telephony signal
processing library			
ii	libspectre1:amd64	0.2.7-3ubuntu2	amd64 Library for rendering
PostScript documents			
ii	libspeechd2:amd64	0.8.3-1ubuntu3	amd64 Speech Dispatcher:
Shared libraries			
ii	libspeex1:amd64	1.2~rc1.2-1ubuntu1	amd64 The Speex codec
runtime library			
ii	libspeex1:i386	1.2~rc1.2-1ubuntu1	i386 The Speex codec
runtime library			
ii	libspeexdsp1:amd64	1.2~rc1.2-1ubuntu1	amd64 The Speex
extended runtime library			
ii	libspeexdsp1:i386	1.2~rc1.2-1ubuntu1	i386 The Speex extended
runtime library			
ii	libsqlite3-0:amd64	3.11.0-1ubuntu1	amd64 SQLite 3 shared
library			
ii	libsqlite3-0:i386	3.11.0-1ubuntu1	i386 SQLite 3 shared library
ii	libsrtp0	1.4.5~20130609~dfsg-1.1ubuntu1	amd64 Secure RTP
(SRTP) and UST Reference Implementations - shared library			
ii	libss2:amd64	1.42.13-1ubuntu1	amd64 command-line
interface parsing library			
ii	libssh-4:amd64		
	0.6.3-4.3	amd64	tiny C SSH library (OpenSSL flavor)
ii	libssh-gcrypt-4:amd64	0.6.3-4.3	amd64 tiny C SSH library
(gcrypt flavor)			
ii	libssl-dev:amd64	1.0.2g-1ubuntu4.6	amd64 Secure Sockets
Layer toolkit - development files			
ii	libssl-doc	1.0.2g-1ubuntu4.6	all Secure Sockets Layer
toolkit - development documentation			
ii	libssl1.0.0:amd64	1.0.2g-1ubuntu4.6	amd64 Secure Sockets
Layer toolkit - shared libraries			
ii	libssl1.0.0:i386	1.0.2g-1ubuntu4.6	i386 Secure Sockets Layer
toolkit - shared libraries			

ii libstartup-notification0:amd64	0.12-4build1	amd64	library for program launch feedback (shared library)
ii libstdc++-4.9-dev:amd64	4.9.3-13ubuntu2	amd64	GNU Standard C++ Library v3 (development files)
ii libstdc++-5-dev:amd64	5.4.0-6ubuntu1~16.04.4	amd64	GNU Standard C++ Library v3 (development files)
ii libstdc++6:amd64	5.4.0-6ubuntu1~16.04.4	amd64	GNU Standard C++ Library v3
ii libstdc++6:i386	5.4.0-6ubuntu1~16.04.4	i386	GNU Standard C++ Library v3
ii libsub-name-perl	0.14-1build1	amd64	module for assigning a new name to referenced sub
ii libsuitesparseconfig4.4.6:amd64	1:4.4.6-1	amd64	configuration routines for all SuiteSparse modules
ii libswresample-dev:amd64	7:2.8.10-0ubuntu0.16.04.1	amd64	FFmpeg library for audio resampling, rematrixing etc. - development files
ii libswresample-ffmpeg1:amd64	7:2.8.10-0ubuntu0.16.04.1	amd64	FFmpeg library for audio resampling, rematrixing etc. - runtime files
ii libswscale-dev:amd64	7:2.8.10-0ubuntu0.16.04.1	amd64	FFmpeg library for image scaling and various conversions - development files
ii libswscale-ffmpeg3:amd64	7:2.8.10-0ubuntu0.16.04.1	amd64	FFmpeg library for image scaling and various conversions - runtime files
ii libsynctex1:amd64	2015.20160222.37495-1	amd64	TeX Live: SyncTeX parser library
ii libsys-hostname-long-perl	1.5-1	all	Figure out the long (fully-qualified) hostname
ii libsystemd0:amd64	229-4ubuntu16	amd64	systemd utility library
ii libsystemd0:i386	229-4ubuntu16	i386	systemd utility library
ii libtablelayout-java	20090826-2	all	Java layout manager for creating user interfaces fast and easy
ii libtag1v5:amd64	1.9.1-2.4ubuntu1	amd64	audio meta-data library
ii libtag1v5:i386	1.9.1-2.4ubuntu1	i386	audio meta-data library
ii libtag1v5-vanilla:amd64	1.9.1-2.4ubuntu1	amd64	audio meta-data library - vanilla flavour
ii libtag1v5-vanilla:i386	1.9.1-2.4ubuntu1	i386	audio meta-data library - vanilla flavour
ii libtalloc2:amd64	2.1.5-2	amd64	hierarchical pool based memory allocator
ii libtasn1-6:amd64	4.7-3ubuntu0.16.04.1	amd64	Manage ASN.1 structures (runtime)
ii libtasn1-6:i386	4.7-3ubuntu0.16.04.1	i386	Manage ASN.1 structures (runtime)
ii libtbb2:amd64	4.4~20151115-0ubuntu3	amd64	parallelism library for

C++ - runtime files			
ii libtcl8.6:amd64	8.6.5+dfsg-2	amd64	Tcl (the Tool Command Language) v8.6 - run-time library files
ii libtdb1:amd64	1.3.8-2	amd64	Trivial Database - shared library
ii libtelepathy-glib0:amd64	0.24.1-1.1	amd64	Telepathy framework - GLib library
ii libevent0:amd64	0.9.28-0ubuntu0.16.04.1	amd64	talloc-based event loop library - shared library
ii libtexlua52:amd64	2015.20160222.37495-1	amd64	TeX Live: Lua 5.2, modified for use with LuaTeX
ii libtexluajit2:amd64	2015.20160222.37495-1	amd64	TeX Live: LuaJIT, modified for use with LuaJITTeX
ii libtext-charwidth-perl	0.04-7build5	amd64	get display widths of characters on the terminal
ii libtext-iconv-perl	1.7-5build4	amd64	converts between character sets in Perl
ii libtext-levenshtein-perl	0.13-1	all	implementation of the Levenshtein edit distance
ii libtext-wrapi18n-perl	0.06-7.1	all	internationalized substitute of Text::Wrap
ii libthai-data	0.1.24-2	all	Data files for Thai language support library
ii libthai0:amd64	0.1.24-2	amd64	Thai language support library
ii libthai0:i386	0.1.24-2	i386	Thai language support library
ii libtheora0:amd64	1.1.1+dfsg.1-8	amd64	Theora Video Compression Codec
ii libtheora0:i386	1.1.1+dfsg.1-8	i386	Theora Video Compression Codec
ii libtie-ixhash-perl	1.23-2	all	Perl module to order associative arrays
ii libtiff5:amd64	4.0.6-1	amd64	Tag Image File Format (TIFF) library
ii libtiff5:i386	4.0.6-1	i386	Tag Image File Format (TIFF) library
ii libtiff5-dev:amd64	4.0.6-1	amd64	Tag Image File Format library (TIFF), development files
ii libtiffxx5:amd64	4.0.6-1	amd64	Tag Image File Format (TIFF) library -- C++ interface
ii libtimedate-perl	2.3000-2	all	collection of modules to manipulate date/time information
ii libtimezonemap-data	0.4.5	all	GTK+3 timezone map widget - data files
ii libtimezonemap1:amd64	0.4.5	amd64	GTK+3 timezone map widget

ii libtinfo-dev:amd64 library for the low-level terminfo library	6.0+20160213-1ubuntu1	amd64	developer's
ii libtinfo5:amd64 terminfo library for terminal handling	6.0+20160213-1ubuntu1	amd64	shared low-level
ii libtinfo5:i386 terminfo library for terminal handling	6.0+20160213-1ubuntu1	i386	shared low-level
ii libtk8.6:amd64 v8.6 - run-time files	8.6.5-1	amd64	Tk toolkit for Tcl and X11
ii libtotem-plparser-common Parser library - common files	3.10.6-1ubuntu1	all	Totem Playlist
ii libtotem-plparser18:amd64 Parser library - runtime files	3.10.6-1ubuntu1	amd64	Totem Playlist
ii libtotem0:amd64 for the Totem media player	3.18.1-1ubuntu4	amd64	Main library
ii libtracker-sparql-1.0-0:amd64 database, indexer and search tool - library	1.6.2-0ubuntu1.1	amd64	metadata
ii libtsan0:amd64 a Valgrind-based detector of data races (runtime)	5.4.0-6ubuntu1~16.04.4	amd64	ThreadSanitizer --
ii libtwolame0:amd64 encoding library	0.3.13-1.2	amd64	MPEG Audio Layer 2
ii libtxc-dxtn-s2tc0:amd64 compression library for Mesa	0~git20131104-1.1	amd64	Texture
ii libtxc-dxtn-s2tc0:i386 compression library for Mesa	0~git20131104-1.1	i386	Texture
ii libubsan0:amd64 UBSan -- undefined behaviour sanitizer (runtime)	5.4.0-6ubuntu1~16.04.4	amd64	
ii libubuntugestures5:amd64 gestures library for Ubuntu UI Toolkit	1.3.1918+16.04.20160404-0ubuntu1	amd64	Ubuntu
ii libubuntutoolkit5:amd64 toolkit common library for Ubuntu UI Toolkit	1.3.1918+16.04.20160404-0ubuntu1	amd64	Ubuntu
ii libudev1:amd64 library	229-4ubuntu16	amd64	libudev shared
ii libudev1:i386	229-4ubuntu16	i386	libudev shared library
ii libudisks2-0:amd64 library to access udisks2	2.1.7-1ubuntu1	amd64	GObject based
ii libunistring0:amd64 library for C	0.9.3-5.2ubuntu1	amd64	Unicode string
ii libunity-action-qt1:amd64 Action Qt API	1.1.0+14.04.20140304-0ubuntu2~gcc5.1	amd64	Unity
ii libunity-control-center1 configure the GNOME desktop	15.04.0+16.04.20160705-0ubuntu1	amd64	utilities to
ii libunity-core-6.0-9:amd64 library for the Unity interface	7.4.0+16.04.20160906-0ubuntu1	amd64	core
ii libunity-gtk2-parser0:amd64 GtkMenuShell to GMenuModel parser	0.0.0+15.04.20150118-0ubuntu2	amd64	
ii libunity-gtk3-parser0:amd64	0.0.0+15.04.20150118-0ubuntu2	amd64	

GtkMenuShell to GMenuModel parser				
ii libunity-misc4	4.0.5+14.04.20140115-0ubuntu1	amd64	Miscellaneous	
functions for Unity - shared library				
ii libunity-protocol-private0:amd64	7.1.4+16.04.20160701-0ubuntu1	amd64	binding to get places into the launcher - private	
library				
ii libunity-scopes-json-def-desktop	7.1.4+16.04.20160701-0ubuntu1	all	binding to	
get places into the launcher - desktop def file				
ii libunity-settings-daemon1:amd64	15.04.1+16.04.20160701-0ubuntu1	amd64		
Helper library for accessing settings				
ii libunity-webapps0:amd64	2.5.0~+16.04.20160201-0ubuntu1	amd64	Web	
Apps integration with the Unity desktop				
ii libunity9:amd64	7.1.4+16.04.20160701-0ubuntu1	amd64	binding to get	
places into the launcher - shared library				
ii libunwind8	1.1-4.1	amd64	library to determine the	
call-chain of a program				
- runtime				
ii libupower-glib3:amd64	0.99.4-2ubuntu0.3	amd64	abstraction for	
power management - shared library				
ii liburi-perl	1.71-1	all	module to manipulate and access	
URI strings				
ii liburl-dispatcher1:amd64	0.1+16.04.20151110-0ubuntu2	amd64	library for	
sending requests to the url dispatcher				
ii libusb-0.1-4:amd64	2:0.1.12-28	amd64	userspace USB	
programming library				
ii libusb-1.0-0:amd64	2:1.0.20-1	amd64	userspace USB	
programming library				
ii libusbmuxd4:amd64	1.0.10-2ubuntu0.1	amd64	USB multiplexor	
daemon for iPhone and iPod				
Touch devices - library				
ii libustr-1.0-1:amd64	1.0.4-5	amd64	Micro string library:	
shared library				
ii libutempter0:amd64	1.1.6-3	amd64	privileged helper for	
utmp/wtmp updates (runtime)				
ii libuuid-perl	0.24-1build1	amd64	Perl extension for using	
UUID interfaces as defined in e2fsprogs				
ii libuuid1:amd64	2.27.1-6ubuntu3.2	amd64	Universally Unique	
ID library				
ii libuuid1:i386	2.27.1-6ubuntu3.2	i386	Universally Unique ID	
library				
ii libuv1:amd64	1.8.0-1	amd64	asynchronous event	
notification				
library - runtime library				
ii libuv1-dev:amd64	1.8.0-1	amd64	asynchronous event	
notification library - development files				
ii libv4l-0:amd64	1.10.0-1	amd64	Collection of video4linux	
support libraries				
ii libv4l-0:i386	1.10.0-1	i386	Collection of video4linux	

support libraries				
ii libv4lconvert0:amd64	1.10.0-1	amd64	Video4linux frame	
format conversion library				
ii libv4lconvert0:i386	1.10.0-1	i386	Video4linux frame format	
conversion library				
ii libva1:amd64	1.7.0-1	amd64		
Video Acceleration (VA) API for Linux -- runtime				
ii libvdpau1:amd64	1.1.1-3ubuntu1	amd64	Video Decode and	
Presentation API for Unix (libraries)				
ii libvisio-0.1-1:amd64	0.1.5-1ubuntu1	amd64	library for parsing	
the visio file structure				
ii libvisual-0.4-0:amd64	0.4.0-8	amd64	audio visualization	
framework				
ii libvisual-0.4-0:i386	0.4.0-8	i386	audio visualization	
framework				
ii libvncclient1:amd64	0.9.10+dfsg-3ubuntu0.16.04.1	amd64	API to write	
one's own VNC server - client library				
ii libvo-aacenc0:amd64	0.1.3-1	amd64		
VisualOn AAC encoder library				
ii libvo-amrwbenc0:amd64	0.1.3-1	amd64	VisualOn AMR-WB	
encoder library				
ii libvorbis0a:amd64	1.3.5-3	amd64	decoder library for	
Vorbis General Audio Compression Codec				
ii libvorbis0a:i386	1.3.5-3	i386	decoder library for Vorbis	
General Audio Compression Codec				
ii libvorbisenc2:amd64	1.3.5-3	amd64	encoder library for	
Vorbis General Audio Compression Codec				
ii libvorbisenc2:i386	1.3.5-3	i386	encoder library for Vorbis	
General Audio Compression Codec				
ii libvorbisfile3:amd64	1.3.5-3			
amd64 high-level API for Vorbis General Audio Compression Codec				
ii libvpx3:amd64	1.5.0-2ubuntu1	amd64	VP8 and VP9 video	
codec (shared library)				
ii libvpx3:i386	1.5.0-2ubuntu1	i386	VP8 and VP9 video	
codec (shared library)				
ii libvte-2.91-0:amd64	0.42.5-1ubuntu1	amd64	Terminal emulator	
widget for GTK+ 3.0 - runtime files				
ii libvte-2.91-common	0.42.5-1ubuntu1	all	Terminal emulator	
widget for GTK+ 3.0 - common files				
ii libwacom-bin	0.18-1	amd64	Wacom model feature	
query library -- binaries				
ii libwacom-common	0.18-1	all	Wacom model feature query library (common files)	
0.18-1				
ii libwacom2:amd64	0.18-1	amd64	Wacom model feature	
query library				
ii libwagon-java	1.0.0-7	all	tools to manage Maven	
artifacts and deployment				
ii libwagon2-java	2.10-3	all	resources' transport	

abstraction that is used in Maven				
ii libwaypack1:amd64 lossless) - library	4.75.2-2	amd64	amd64	audio codec (lossy and
ii libwaypack1:i386 lossless) - library	4.75.2-2	i386	i386	audio codec (lossy and
ii libwayland-client0:amd64 1.9.0-1	amd64	amd64	amd64	wayland compositor infrastructure - client library
ii libwayland-client0:i386 infrastructure - client library	1.9.0-1	i386	i386	wayland compositor
ii libwayland-cursor0:amd64 infrastructure - cursor library	1.9.0-1	amd64	amd64	wayland compositor
ii libwayland-egl1-mesa:amd64 implementation of the Wayland EGL platform -- runtime	11.2.0-1ubuntu2.2	amd64	amd64	
ii libwayland-server0:amd64 infrastructure - server library	1.9.0-1	amd64	amd64	wayland compositor
ii libwayland-server0:i386 infrastructure - server library	1.9.0-1	i386	i386	wayland compositor
ii libwbclient0:amd64 winbind client library	2:4.3.11+dfsg-0ubuntu0.16.04.3	amd64	amd64	Samba
ii libwebkit2gtk-4.0-37:amd64 engine library for GTK+	2.14.3-0ubuntu0.16.04.1	amd64	amd64	Web content
ii libwebkit2gtk-4.0-37-gtk2:amd64 content engine library for GTK+ - GTK+2 plugin process	2.14.3-0ubuntu0.16.04.1	amd64	amd64	Web
ii libwebkitgtk-1.0-0:i386 library for GTK+	2.4.11-0ubuntu0.1	i386	i386	Web content engine
ii libwebkitgtk-1.0-common engine library for GTK+ - data files	2.4.11-0ubuntu0.1	all	all	Web content
ii libwebp5:amd64 digital photographic images.	0.4.4-1	amd64	amd64	Lossy compression of
ii libwebp5:i386 photographic images.	0.4.4-1	i386	i386	Lossy compression of digital
ii libwebpmux1:amd64 digital photographic images.	0.4.4-1	amd64	amd64	Lossy compression of
ii libwebrtc-audio-processing-0:amd64 AudioProcessing module from the WebRTC project.	0.1-3ubuntu1~gcc5.1	amd64	amd64	
ii libwhoopsie-preferences0 submission settings - shared library	0.18	amd64	amd64	Ubuntu error tracker
ii libwhoopsie0:amd64 submission - shared library	0.2.52.2	amd64	amd64	Ubuntu error tracker
ii libwildmidi-config MIDI player configuration	0.3.8-2	all	all	software
ii libwildmidi1:amd64 library	0.3.8-2	amd64	amd64	software MIDI player
ii libwind0-heimdal:amd64 Kerberos - stringprep implementation	1.7~git20150920+dfsg-4ubuntu1	amd64	amd64	Heimdal
ii libwinpr-crt0.1:amd64	1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1	amd64	amd64	

Windows Portable Runtime library (crt library)

ii libwinpr-dsparse0.1:amd64 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64

Windows Portable Runtime library (dsparse library)

ii libwinpr-environment0.1:amd64 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64

Windows Portable Runtime library (environment library)

ii libwinpr-file0.1:amd64 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64

Windows

Portable Runtime library (file library)

ii libwinpr-handle0.1:amd64 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64

Windows Portable Runtime library (handle library)

ii libwinpr-heap0.1:amd64 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64

Windows Portable Runtime library (heap library)

ii libwinpr-input0.1:amd64 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64

Windows Portable Runtime library (input library)

ii libwinpr-interlocked0.1:amd64 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64

Windows Portable Runtime library (interlocked library)

ii libwinpr-library0.1:amd64 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64

Windows Portable Runtime library (library)

ii libwinpr-path0.1:amd64 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1
amd64 Windows Portable Runtime library (path library)

ii libwinpr-pool0.1:amd64 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64

Windows Portable Runtime library (pool library)

ii libwinpr-registry0.1:amd64 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64

Windows Portable Runtime library (registry library)

ii libwinpr-rpc0.1:amd64 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64

Windows Portable Runtime library (RPC library)

ii libwinpr-sspi0.1:amd64 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64

Windows Portable Runtime library (sspi library)

ii libwinpr-synch0.1:amd64 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64

Windows Portable Runtime library (synch library)

ii libwinpr-sysinfo0.1:amd64 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1
amd64 Windows Portable Runtime library (sysinfo library)

ii libwinpr-thread0.1:amd64 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64

Windows Portable Runtime library (thread library)

ii libwinpr-utils0.1:amd64 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64

Windows Portable Runtime library (utils library)

ii libwmf0.2-7:amd64 0.2.8.4-10.5ubuntu1 amd64 Windows metafile
conversion library

ii libwmf0.2-7-gtk 0.2.8.4-10.5ubuntu1 amd64 Windows metafile
conversion library

ii libwnck-3-0:amd64 3.14.1-2 amd64 Window Navigator

Construction Kit - runtime files

ii libwnck-3-common 3.14.1-2 all Window Navigator Construction Kit - common files

ii libwpd-0.10-10:amd64 0.10.1-1ubuntu1 amd64 Library for
handling WordPerfect documents (shared library)

ii libwpg-0.3-3:amd64 0.3.1-1ubuntu1 amd64 WordPerfect
graphics import/convert library (shared library)

ii libwps-0.4-4:amd64 format import filter library (shared library)	0.4.3-1ubuntu1	amd64	Works text file
ii libwrap0:amd64 wrappers library	7.6.q-25	amd64	Wietse Venema's TCP
ii libwrap0:i386 wrappers library	7.6.q-25	i386	Wietse Venema's TCP
ii libwww-perl wide web	6.15-1	all	simple and consistent interface to the world-
ii libwww-robotrules-perl derived permissions	6.01-1	all	database of robots.txt-
ii libx11-6:amd64 library	2:1.6.3-1ubuntu2	amd64	X11 client-side
ii libx11-6:i386	2:1.6.3-1ubuntu2	i386	X11 client-side library
ii libx11-data	2:1.6.3-1ubuntu2	all	X11 client-side library
ii libx11-dev:amd64 library (development headers)	2:1.6.3-1ubuntu2	amd64	X11 client-side
ii libx11-doc 2:1.6.3-1ubuntu2	all		X11 client-side library (development documentation)
ii libx11-protocol-perl Window System Protocol, version 11	0.56-7	all	Perl module for the X
ii libx11-xcb-dev:amd64 interface library (development headers)	2:1.6.3-1ubuntu2	amd64	Xlib/XCB
ii libx11-xcb1:amd64 library	2:1.6.3-1ubuntu2	amd64	Xlib/XCB interface
ii libx11-xcb1:i386 library	2:1.6.3-1ubuntu2	i386	Xlib/XCB interface
ii libx264-148:amd64 coding library	2:0.148.2643+git5c65704-1	amd64	x264 video
ii libx265-79:amd64 amd64	1.9-3		H.265/HEVC video stream encoder (shared library)
ii libx86-1:amd64	1.1+ds1-10	amd64	x86 real-mode library
ii libxalan2-java processor in Java	2.7.1-9	all	XSL Transformations (XSLT)
ii libxapian22v5:amd64	1.2.22-2	amd64	Search engine library
ii libxatracker2:amd64 library -- runtime	11.2.0-1ubuntu2.2	amd64	X acceleration
ii libxau-dev:amd64 library (development headers)	1:1.0.8-1	amd64	X11 authorisation
ii libxau6:amd64 authorisation library	1:1.0.8-1	amd64	X11
ii libxau6:i386	1:1.0.8-1	i386	X11 authorisation library
ii libxaw7:amd64 library	2:1.0.13-1	amd64	X11 Athena Widget
ii libxbean-java server	4.5-1	all	plugin based Java application
ii libxcb-dri2-0:amd64 extension	1.11.1-1ubuntu1	amd64	X C Binding, dri2

ii libxcb-dri2-0:i386 extension	1.11.1-1ubuntu1	i386	X C Binding, dri2
ii libxcb-dri2-0-dev:amd64 extension, development files	1.11.1-1ubuntu1	amd64	X C Binding, dri2
ii libxcb-dri3-0:amd64 1.11.1-1ubuntu1	amd64	X C Binding, dri3 extension	
ii libxcb-dri3-0:i386 extension	1.11.1-1ubuntu1	i386	X C Binding, dri3
ii libxcb-dri3-dev:amd64 extension, development files	1.11.1-1ubuntu1	amd64	X C Binding, dri3
ii libxcb-glx0:amd64 extension	1.11.1-1ubuntu1	amd64	X C Binding, glx
ii libxcb-glx0:i386 extension	1.11.1-1ubuntu1	i386	X C Binding, glx
ii libxcb-glx0-dev:amd64 extension, development files	1.11.1-1ubuntu1	amd64	X C Binding, glx
ii libxcb-icc4:amd64 amd64 utility libraries for X C Binding -- icc4	0.4.1-1ubuntu1		
ii libxcb-image0:amd64 C Binding -- image	0.4.0-1build1	amd64	utility libraries for X
ii libxcb-keysyms1:amd64 C Binding -- keysyms	0.4.0-1	amd64	utility libraries for X
ii libxcb-present-dev:amd64 present extension, development files	1.11.1-1ubuntu1	amd64	X C Binding,
ii libxcb-present0:amd64 present extension	1.11.1-1ubuntu1	amd64	X C Binding,
ii libxcb-present0:i386 extension	1.11.1-1ubuntu1	i386	X C Binding, present
ii libxcb-randr0:amd64 X C Binding, randr extension	1.11.1-1ubuntu1	amd64	
ii libxcb-randr0-dev:amd64 randr extension, development files	1.11.1-1ubuntu1	amd64	X C Binding,
ii libxcb-render-util0:amd64 C Binding -- render-util	0.3.9-1	amd64	utility libraries for X
ii libxcb-render0:amd64 render extension	1.11.1-1ubuntu1	amd64	X C Binding,
ii libxcb-render0:i386 extension	1.11.1-1ubuntu1	i386	X C Binding, render
ii libxcb-render0-dev:amd64 render extension, development files	1.11.1-1ubuntu1	amd64	X C Binding,
ii libxcb-shape0:amd64 shape extension	1.11.1-1ubuntu1	amd64	X C Binding,
ii libxcb-shape0-dev:amd64 shape extension, development files	1.11.1-1ubuntu1	amd64	X C Binding,
ii libxcb-shm0:amd64 extension	1.11.1-1ubuntu1	amd64	X C Binding, shm
ii libxcb-shm0:i386	1.11.1-1ubuntu1	i386	X C Binding, shm

extension				
ii libxcb-shm0-dev:amd64 shm extension, development files	1.11.1-1ubuntu1	amd64	X C Binding,	
ii libxcb-sync-dev:amd64 extension, development files	1.11.1-1ubuntu1	amd64	X C Binding, sync	
ii libxcb-sync1:amd64 extension	1.11.1-1ubuntu1	amd64	X C Binding, sync	
ii libxcb-sync1:i386 1.11.1-1ubuntu1	i386		X C Binding, sync extension	
ii libxcb-util1:amd64 C Binding -- atom, aux and event	0.4.0-0ubuntu3	amd64	utility libraries for X	
ii libxcb-xfixes0:amd64 xfixes extension	1.11.1-1ubuntu1	amd64	X C Binding,	
ii libxcb-xfixes0:i386 extension	1.11.1-1ubuntu1	i386	X C Binding, xfixes	
ii libxcb-xfixes0-dev:amd64 xfixes extension, development files	1.11.1-1ubuntu1	amd64	X C Binding,	
ii libxcb-xkb1:amd64 XKEYBOARD extension	1.11.1-1ubuntu1	amd64	X C Binding,	
ii libxcb1:amd64 amd64	1.11.1-1ubuntu1		X C Binding	
ii libxcb1:i386	1.11.1-1ubuntu1	i386	X C Binding	
ii libxcb1-dev:amd64 development files	1.11.1-1ubuntu1	amd64	X C Binding,	
ii libxcomposite-dev extension library (development headers)	1:0.4.4-1	amd64	X11 Composite	
ii libxcomposite1:amd64 extension library	1:0.4.4-1	amd64	X11 Composite	
ii libxcomposite1:i386 extension library	1:0.4.4-1	i386	X11 Composite	
ii libxcursor-dev:amd64 library (development files)	1:1.1.14-1	amd64	X cursor management	
ii libxcursor1:amd64 library	1:1.1.14-1	amd64	X cursor management	
ii libxcursor1:i386 library	1:1.1.14-1	i386	X cursor management	
ii libxdamage-dev:amd64 extension library (development headers)	1:1.1.4-2	amd64	X11 damaged region	
ii libxdamage1:amd64 extension library	1:1.1.4-2	amd64	X11 damaged region	
ii libxdamage1:i386 extension library	1:1.1.4-2	i386	X11 damaged region	
ii libxdmcp-dev:amd64 library (development headers)	1:1.1.2-1.1	amd64	X11 authorisation	
ii libxdmcp6:amd64 library	1:1.1.2-1.1	amd64	X11 Display Manager Control Protocol	

ii libxdmcp6:i386 Control Protocol library	1:1.1.2-1.1	i386	X11 Display Manager
ii libxerces2-java Java with DOM level 3 support	2.11.0-7	all	Validating XML parser for
ii libxext-dev:amd64 extensions library (development headers)	2:1.3.3-1	amd64	X11 miscellaneous
ii libxext6:amd64 extension library	2:1.3.3-1	amd64	X11 miscellaneous
ii libxext6:i386 library	2:1.3.3-1	i386	X11 miscellaneous extension
ii libxfixes-dev:amd64 'fixes' extension library (development headers)	1:5.0.1-2	amd64	X11 miscellaneous
ii libxfixes3:amd64 'fixes' extension library	1:5.0.1-2	amd64	X11 miscellaneous
ii libxfixes3:i386 extension library	1:5.0.1-2	i386	X11 miscellaneous 'fixes'
ii libxfont1:amd64 library	1:1.5.1-1	amd64	X11 font rasterisation
ii libxft-dev library for X (development files)	2.3.2-1	amd64	FreeType-based font drawing
ii libxft2:amd64 font drawing library for X	2.3.2-1	amd64	FreeType-based
ii libxi-dev (development headers)	2:1.7.6-1	amd64	X11 Input extension library
ii libxi6:amd64 library	2:1.7.6-1	amd64	X11 Input extension
ii libxi6:i386	2:1.7.6-1	i386	X11 Input extension library
ii libxinerama-dev:amd64 extension library (development headers)	2:1.1.3-1	amd64	X11 Xinerama
ii libxinerama1:amd64 extension library	2:1.1.3-1	amd64	X11 Xinerama
ii libxinerama1:i386 library	2:1.1.3-1	i386	X11 Xinerama extension
ii libxkbcommon-x11-0:amd64 0.5.0-1ubuntu2 protocol	amd64	library to create keymaps with the XKB X11	
ii libxkbcommon0:amd64 to the XKB compiler - shared library	0.5.0-1ubuntu2	amd64	library interface
ii libxkbfile1:amd64 manipulation library	1:1.0.9-0ubuntu1	amd64	X11 keyboard file
ii libxklavier16:amd64 Extension high-level API	5.4-0ubuntu2	amd64	X Keyboard
ii libxml-commons-external-java external code - DOM, SAX, and JAXP, etc	1.4.01-2build1	all	XML Commons
ii libxml-commons-resolver1.1-java URI resolver library	1.2-7build1	all	XML entity and
ii libxml-dom-perl			

	1.44-2	all	Perl module for building DOM Level 1 compliant doc structures
ii libxml-parser-perl	2.44-1build1	amd64	Perl module for parsing XML files
ii libxml-perl	0.08-2	all	Perl modules for working with XML
ii libxml-regexp-perl	0.04-1	all	Perl module for regular expressions for XML tokens
ii libxml-twig-perl	1:3.48-1	all	Perl module for processing huge XML documents in tree mode
ii libxml-xpathengine-perl	0.13-1	all	re-usable XPath engine for DOM-like trees
ii libxml2:amd64	2.9.3+dfsg1-1ubuntu0.1	amd64	GNOME XML library
ii libxml2:i386	2.9.3+dfsg1-1ubuntu0.1	i386	GNOME XML library
ii libxml2-dev:amd64	2.9.3+dfsg1-1ubuntu0.1	amd64	Development files for the GNOME XML library
ii libxml2-utils	2.9.3+dfsg1-1ubuntu0.1	amd64	XML utilities
ii libxmu6:amd64	2:1.1.2-2	amd64	X11 miscellaneous utility library
ii libxmuu1:amd64	2:1.1.2-2	amd64	X11 miscellaneous micro-utility library
ii libxom-java	1.2.10-1		
	all		New XML object model for Java
ii libxpm4:amd64	1:3.5.11-1ubuntu0.16.04.1	amd64	X11 pixmap library
ii libxpp2-java	2.1.10-7build1	all	XML pull parser library for java V2
ii libxpp3-java	1.1.4c-2build1	all	XML pull parser library for java
ii libxrandr-dev:amd64	2:1.5.0-1	amd64	X11 RandR extension library (development headers)
ii libxrandr2:amd64	2:1.5.0-1	amd64	X11 RandR extension library
ii libxrandr2:i386	2:1.5.0-1	i386	X11 RandR extension library
ii libxrender-dev:amd64	1:0.9.9-0ubuntu1	amd64	X Rendering Extension client library (development files)
ii libxrender1:amd64	1:0.9.9-0ubuntu1	amd64	X Rendering Extension client library
ii libxrender1:i386	1:0.9.9-0ubuntu1	i386	X Rendering Extension client library
ii libxres1:amd64	2:1.0.7-1	amd64	X11 Resource extension library
ii libxshmfence-dev:amd64	1.2-1	amd64	X shared memory

fences - development files				
ii libxshmfence1:amd64	1.2-1		amd64	X shared memory
fences - shared library				
ii libxshmfence1:i386	1.2-1	i386		X shared memory fences - shared library
ii libxslt1.1:amd64	1.1.28-2.1		amd64	XSLT 1.0 processing library - runtime library
ii libxslt1.1:i386	1.1.28-2.1		i386	XSLT 1.0 processing library - runtime library
ii libxss1:amd64	1:1.2.2-1		amd64	X11 Screen Saver extension library
ii libxss1:i386	1:1.2.2-1		i386	X11 Screen Saver extension library
ii libxt6:amd64	1:1.1.5-0ubuntu1		amd64	X11 toolkit intrinsics library
ii libxt6:i386	1:1.1.5-0ubuntu1	i386		X11 toolkit intrinsics library
ii libxtables11:amd64	1.6.0-2ubuntu3		amd64	netfilter xtables library
ii libxtst6:amd64	2:1.2.2-1		amd64	X11 Testing -- Record extension library
ii libxtst6:i386	2:1.2.2-1		i386	X11 Testing -- Record extension library
ii libxv1:amd64	2:1.0.10-1		amd64	X11 Video extension library
ii libxv1:i386	2:1.0.10-1		i386	X11 Video extension library
ii libxvidcore4:amd64	2:1.3.4-1		amd64	Open source MPEG-4 video codec (library)
ii libxvmc1:amd64	2:1.0.9-1ubuntu1		amd64	X11 Video extension library
ii libxxf86dga1:amd64	2:1.1.4-1		amd64	X11 Direct Graphics Access extension library
ii libxxf86vm-dev:amd64	1:1.1.4-1		amd64	X11 XFree86 video mode extension library (development headers)
ii libxxf86vm1:amd64	1:1.1.4-1		amd64	X11 XFree86 video mode extension library
ii libxxf86vm1:i386	1:1.1.4-1		i386	X11 XFree86 video mode extension library
ii libyajl2:amd64	2.1.0-2		amd64	Yet Another JSON Library
ii libyaml-0-2:amd64	0.1.6-3		amd64	Fast YAML 1.1 parser and emitter library
ii libyaml-libyaml-perl	0.41-6build1		amd64	Perl interface to libyaml, a YAML implementation
ii libyaml-tiny-perl	1.69-1		all	Perl module for reading and writing YAML files
ii libyelp0:amd64	3.18.1-1ubuntu4		amd64	Library for the GNOME help browser

ii libzbar0:amd64 and decoder (library)	0.10+doc-10ubuntu1	amd64	bar code scanner
ii libzeitgeist-1.0-1:amd64 Zeitgeist - shared library	0.3.18-1ubuntu3	amd64	library to access
ii libzeitgeist-2.0-0:amd64 Zeitgeist - shared library	0.9.16-0ubuntu4	amd64	library to access
ii libzmq5:amd64 kernel (shared library)	4.1.4-7	amd64	lightweight messaging
ii libvbi-common decoder (VBI) - common files	0.2.35-10	all	Vertical Blanking Interval
ii libvbi0:amd64 Interval decoder (VBI) - runtime files	0.2.35-10	amd64	Vertical Blanking
ii libzip-0-13:amd64 access on ZIP-archives - library	0.13.62-3	amd64	library providing read
ii light-themes all Light Themes (Ambiance and Radiance)	14.04+16.04.20161024-0ubuntu1		
ii lightdm	1.18.3-0ubuntu1	amd64	Display Manager
ii lintian	2.5.43	all	Debian package checker
ii linux-base	4.0ubuntu1	all	Linux image base package
ii linux-firmware drivers	1.157.8	all	Firmware for Linux kernel
ii linux-generic kernel and headers	4.4.0.62.65	amd64	Complete Generic Linux
ii linux-headers-4.4.0-59 Linux kernel version 4.4.0	4.4.0-59.80	all	Header files related to
ii linux-headers-4.4.0-59-generic 4.4.0-59.80	amd64		Linux kernel headers for version 4.4.0 on 64 bit x86 SMP
ii linux-headers-4.4.0-62 Linux kernel version 4.4.0	4.4.0-62.83	all	Header files related to
ii linux-headers-4.4.0-62-generic headers for version 4.4.0 on 64 bit x86 SMP	4.4.0-62.83	amd64	Linux kernel
ii linux-headers-generic headers	4.4.0.62.65	amd64	Generic Linux kernel
rc linux-image-4.4.0-57-generic image for version 4.4.0 on 64 bit x86 SMP	4.4.0-57.78	amd64	Linux kernel
ii linux-image-4.4.0-59-generic for version 4.4.0 on 64 bit x86 SMP	4.4.0-59.80	amd64	Linux kernel image
ii linux-image-4.4.0-62-generic for version 4.4.0 on 64 bit x86 SMP	4.4.0-62.83	amd64	Linux kernel image
rc linux-image-extra-4.4.0-57-generic extra modules for version 4.4.0 on 64 bit x86 SMP	4.4.0-57.78	amd64	Linux kernel
ii linux-image-extra-4.4.0-59-generic extra modules for version 4.4.0 on 64 bit x86 SMP	4.4.0-59.80	amd64	Linux kernel
ii linux-image-extra-4.4.0-62-generic extra modules for version 4.4.0 on 64 bit x86 SMP	4.4.0-62.83	amd64	Linux kernel
ii linux-image-generic	4.4.0.62.65	amd64	Generic Linux kernel

image				
ii linux-libc-dev:amd64	4.4.0-62.83			
amd64 Linux Kernel Headers for development				
ii linux-signed-generic	4.4.0.62.65	amd64	Complete Signed	
Generic Linux kernel and headers				
rc linux-signed-image-4.4.0-57-generic	4.4.0-57.78	amd64	Signed kernel	
image generic				
ii linux-signed-image-4.4.0-59-generic	4.4.0-59.80	amd64	Signed kernel	
image generic				
ii linux-signed-image-4.4.0-62-generic	4.4.0-62.83	amd64	Signed kernel	
image generic				
ii linux-signed-image-generic	4.4.0.62.65	amd64	Signed Generic	
Linux kernel image				
ii linux-sound-base	1.0.25+dfsg-0ubuntu5	all	base package for	
ALSA and OSS sound systems				
ii linux-tools-4.4.0-59	4.4.0-59.80	amd64	Linux kernel version	
specific tools for version 4.4.0-59				
ii linux-tools-4.4.0-59-generic	4.4.0-59.80	amd64	Linux kernel version	
specific tools for version 4.4.0-59				
ii linux-tools-4.4.0-62	4.4.0-62.83	amd64	Linux kernel version	
specific tools for version 4.4.0-62				
ii linux-tools-4.4.0-62-generic	4.4.0-62.83	amd64	Linux kernel version	
specific tools for version 4.4.0-62				
ii linux-tools-common	4.4.0-62.83	all	Linux kernel version	
specific tools for version 4.4.0				
ii linux-tools-virtual	4.4.0.62.65			
amd64 This package will always depend on the latest minimal generic kernel tools.				
ii lldb	1:3.8-33ubuntu3.1	amd64	Next generation, high-	
performance debugger				
ii lldb-3.8	1:3.8-2ubuntu4	amd64	Next generation, high-	
performance debugger				
ii llvm-3.8	1:3.8-2ubuntu4	amd64	Modular compiler and	
toolchain technologies				
ii llvm-3.8-dev	1:3.8-2ubuntu4	amd64	Modular compiler and	
toolchain technologies, libraries and headers				
ii llvm-3.8-runtime	1:3.8-2ubuntu4	amd64	Modular compiler and	
toolchain technologies, IR interpreter				
ii lmodern	2.004.5-1	all	scalable PostScript and	
OpenType fonts based on Computer Modern				
ii locales	2.23-0ubuntu5	all	GNU C Library: National	
Language (locale) data [support]				
ii login	1:4.2-3.1ubuntu5	amd64	system login tools	
ii logrotate	3.8.7-2ubuntu2	amd64	Log rotation utility	
ii lp-solve	5.5.0.13-7build2	amd64	Solve (mixed integer)	
linear programming problems				
ii lsb-base	9.20160110ubuntu0.2	all	Linux Standard Base init	
script functionality				

ii	lsb-release	9.20160110ubuntu0.2	all	Linux Standard Base version reporting utility
ii	lshw	02.17-1.1ubuntu3.2	amd64	information about hardware configuration
ii	lsuf	4.89+dfsg-0.1	amd64	Utility to list open files
ii	ltrace	0.7.3-5.1ubuntu4	amd64	Tracks runtime library calls in dynamically linked programs
ii	m4	1.4.17-5	amd64	macro processing language
ii	make	4.1-6	amd64	utility for directing compilation
ii	makedev	2.3.1-93ubuntu1	all	creates device files in /dev
ii	man-db	2.7.5-1	amd64	on-line manual pager
ii	manpages	4.04-2	all	Manual pages about using a GNU/Linux system
ii	manpages-dev	4.04-2	all	Manual pages about using GNU/Linux for development
ii	mathpiper	0.81f+svn4469+dfsg3-3	all	Java Computer Algebra System
ii	maven	3.3.9-3	all	Java software project management and comprehension tool
ii	mawk	1.3.3-17ubuntu2	amd64	a pattern scanning and text processing language
ii	media-player-info	22-2	all	Media player identification files
ii	memtest86+	5.01-3ubuntu2	amd64	thorough real-mode memory tester
ii	mesa-common-dev:amd64	11.2.0-1ubuntu2.2	amd64	Developer documentation for Mesa
ii	mesa-udpau-drivers:amd64	11.2.0-1ubuntu2.2	amd64	Mesa VDPAAU video acceleration drivers
ii	metacity-common	1:3.18.7-0ubuntu0.2	all	shared files for the Metacity window manager
ii	mime-support	3.59ubuntu1	all	MIME files 'mime.types' & 'mailcap', and support programs
ii	mlocate	0.26-1ubuntu2	amd64	quickly find files on the filesystem based on their name
ii	mobile-broadband-provider-info	20140317-1	all	database of mobile broadband service providers
ii	modemmanager	1.4.12-1ubuntu1	amd64	D-Bus service for managing modems
ii	mokutil	0.3.0-0ubuntu3	amd64	tools for manipulating machine owner keys
ii	mongodb-org-server	3.0.14	amd64	MongoDB database server
ii	mongodb-org-shell	3.0.14		

	amd64	MongoDB shell client		
ii	mongodb-org-tools	3.0.14	amd64	MongoDB tools
ii	mono-4.0-gac	4.2.1.102+dfsg2-7ubuntu4	all	Mono GAC tool (for CLI 4.0)
ii	mono-csharp-shell	4.2.1.102+dfsg2-7ubuntu4	all	interactive C# shell
ii	mono-devel	4.2.1.102+dfsg2-7ubuntu4	all	Mono development tools
ii	mono-gac	4.2.1.102+dfsg2-7ubuntu4	all	Mono GAC tool
ii	mono-mcs	4.2.1.102+dfsg2-7ubuntu4	all	Mono C# 2.0 / 3.0 / 4.0 / 5.0 compiler for CLI 2.0 / 4.0 / 4.5
ii	mono-runtime	4.2.1.102+dfsg2-7ubuntu4	amd64	Mono runtime - default version
ii	mono-runtime-common	4.2.1.102+dfsg2-7ubuntu4	amd64	Mono runtime - common files
ii	mono-runtime-sgen	4.2.1.102+dfsg2-7ubuntu4	amd64	Mono runtime - SGen
ii	mono-utils	4.2.1.102+dfsg2-7ubuntu4	amd64	Mono utilities
ii	mono-xbuild	4.2.1.102+dfsg2-7ubuntu4	all	MSBuild-compatible build system for Mono
ii	mount	2.27.1-6ubuntu3.2	amd64	tools for mounting and manipulating filesystems
ii	mountall	2.54ubuntu1	amd64	filesystem mounting tool
ii	mousetweaks	3.12.0-1ubuntu2	amd64	mouse accessibility enhancements for the GNOME desktop
ii	mscompress	0.4-3	amd64	Microsoft "compress.exe/expand.exe" compatible (de)compressor
ii	mtools	4.0.18-2ubuntu0.16.04	amd64	Tools for manipulating MSDOS files
ii	mtr-tiny	0.86-1ubuntu0.1	amd64	Full screen ncurses traceroute tool
ii	multiarch-support	2.23-0ubuntu5	amd64	Transitional package to ensure multiarch compatibility
ii	mysql-common	5.7.17-0ubuntu0.16.04.1	all	MySQL database common files, e.g. /etc/mysql/my.cnf
ii	mythes-en-au	2.1-5.4	all	Australian English Thesaurus for OpenOffice.org
ii	mythes-en-us	1:5.1.0-1ubuntu2.2	all	English (USA) Thesaurus for LibreOffice
ii	mythes-it	2.0.7.gh.deb1-4.1	all	Italian Thesaurus for OpenOffice.org 2
ii	nano	2.5.3-2ubuntu1	amd64	small, friendly text editor inspired by Pico
ii	nautilus	1:3.18.4.is.3.14.3-0ubuntu5	amd64	file manager and graphical shell for GNOME
ii	nautilus-data	1:3.18.4.is.3.14.3-0ubuntu5	all	data files for nautilus
ii	nautilus-sendto	3.8.2-1ubuntu1	amd64	integrates Evolution

and Pidgin into the Nautilus file manager			
ii nautilus-share	0.7.3-2ubuntu1	amd64	Nautilus extension to
share folder using Samba			
ii ncurses-base	6.0+20160213-1ubuntu1	all	basic terminal type
definitions			
ii ncurses-bin	6.0+20160213-1ubuntu1	amd64	terminal-related
programs and man pages			
ii net-tools	1.60-26ubuntu1	amd64	NET-3 networking
toolkit			
ii netbase	5.3	all	Basic TCP/IP networking system
ii			
netcat-openbsd	1.105-7ubuntu1	amd64	TCP/IP swiss army
knife			
ii netpbm	2:10.0-15.3	amd64	Graphics conversion tools
between image formats			
ii network-manager	1.2.2-0ubuntu0.16.04.3	amd64	network
management framework (daemon and userspace tools)			
ii network-manager-gnome	1.2.0-0ubuntu0.16.04.4	amd64	network
management framework (GNOME frontend)			
ii network-manager-pptp	1.1.93-1ubuntu1	amd64	network
management framework (PPTP plugin core)			
ii network-manager-pptp-gnome	1.1.93-1ubuntu1	amd64	network
management framework (PPTP plugin GNOME GUI)			
ii node-abbrev	1.0.5-2	all	Get unique abbreviations for a
set of strings - Node.js module			
ii node-ansi	0.3.0-2	all	Advanced ANSI formatting tool
for Node.js			
ii node-ansi-color-table	1.0.0-1	all	Color and format tables for
ansi output - Node.js module			
ii node-archy	0.0.2-1	all	Pretty-print nested hierarchies
module for Node.js			
ii node-async	0.8.0-1	all	higher-order functions and
common patterns for asynchronous Javascript			
ii node-block-stream	0.0.7-1		
all	Stream of fixed-size blocks, with zero-padding when necessary		
ii node-combined-stream	0.0.5-1	all	Append streams one after
another - module for Node.js			
ii node-cookie-jar	0.3.1-1	all	Cookie handling for HTTP
clients - module for Node.js			
ii node-delayed-stream	0.0.5-1	all	Buffer stream events for
later handling - module for Node.js			
ii node-forever-agent	0.5.1-1	all	HTTP agent supporting
keep-alive requests - module for Node.js			
ii node-form-data	0.1.0-1	all	Create multipart/form-data
streams module for Node.js			
ii			

node-fstream	0.1.24-1	all	Advanced filesystem streaming
tools for Node.js			
ii node-fstream-ignore	0.0.6-2	all	Directory reader
configurable by .ignore module for Node.js			
ii node-github-url-from-git	1.1.1-1	all	Convert github git or gist
url to an http url - Node.js module			
ii node-glob	4.0.5-1	all	glob functionality for Node.js
ii node-graceful-fs	3.0.2-1	all	drop-in replacement
improving the Node.js fs module			
ii node-gyp	3.0.3-2ubuntu1	all	Native
addon build tool for Node.js			
ii node-inherits	2.0.1-3	all	Exposes inherits function from
Node.js environment			
ii node-ini	1.1.0-1	all	ini format parser and serializer
for Node.js			
ii node-json-stringify-safe	5.0.0-1	all	JSON.stringify with
circular references module for Node.js			
ii node-lockfile	0.4.1-1	all	Asynchronous file lock
module for Node.js			
ii node-lru-cache	2.3.1-1	all	least-recently-used cache
object for Node.js			
ii node-mime	1.3.4-1	all	
library for mime-type mapping for Node.js			
ii node-minimatch	1.0.0-1	all	Convert glob expressions
into RegExp objects for Node.js			
ii node-mkdirp	0.5.0-1	all	Recursively create directories
- Node.js module			
ii node-mute-stream	0.0.4-1	all	Pass-through stream that
can be muted module for Node.js			
ii node-node-uuid	1.4.0-1	all	simple, fast generation of
RFC4122 UUIDs - Node module			
ii node-nopt	3.0.1-1	all	Command-line option parser
for Node.js			
ii node-normalize-package-data	0.2.2-1	all	Normalizes package metadata - Node.js module
ii node-npmlog	0.0.4-1	all	Logger with custom levels
and colored output for Node.js			
ii node-once	1.1.1-1	all	Run a function only once with
this module for Node.js			
ii node-osenv	0.1.0-1	all	Environment settings lookup
module for Node.js			
ii node-qs	2.2.4-1	all	Parse, stringify query strings for
Node.js			
ii node-read	1.0.5-1	all	Read user input from stdin
module for Node.js			
ii node-read-package-json	1.2.4-1	all	Read package.json for npm module for Node.js
ii node-request	2.26.1-1	all	simplified HTTP request

client module for Node.js				
ii node-retry	0.6.0-1		all	Retry strategies for failed
operations module for Node.js				
ii node-rimraf	2.2.8-1		all	Deep deletion (like rm -rf)
module for Node.js				
ii node-semver	2.1.0-2		all	Semantic Versioning for
Node.js				
ii node-sha	1.2.3-1		all	Check and get file or stream
hashes - module for Node.js				
ii node-sigmund	1.0.0-1		all	Quick and dirty signatures for Objects module
for Node.js				
ii node-slide	1.1.4-1		all	Simple chain and asyncMap
flow control module for Node.js				
ii node-tar	1.0.3-2		all	read and write portable tar
archives module for Node.js				
ii node-tunnel-agent	0.3.1-1		all	HTTP proxy tunneling agent
module for Node.js				
ii node-underscore	1.7.0~dfsg-1ubuntu1		all	JavaScript's functional
programming helper library - NodeJS				
ii node-which	1.0.5-2		all	Cross-platform
'which' module for Node.js				
ii nodejs	4.2.6~dfsg-1ubuntu4.1		amd64	evented I/O for V8
javascript				
ii nodejs-dev	4.2.6~dfsg-1ubuntu4.1		amd64	evented I/O for V8
javascript (development files)				
ii nodejs-legacy	4.2.6~dfsg-1ubuntu4.1		all	evented I/O for V8
javascript (legacy symlink)				
ii notify-osd	0.9.35+16.04.20160415-0ubuntu1		amd64	daemon that
displays passive pop-up notifications				
ii notify-osd-icons	0.8+15.10.20151016.2-0ubuntu1		all	Notify-OSD
icons				
ii npm	3.5.2-0ubuntu4		all	package manager for Node.js
ii				
ntfs-3g	1:2015.3.14AR.1-1ubuntu0.1		amd64	read/write NTFS
driver for FUSE				
ii nux-tools	4.0.8+16.04.20160705-0ubuntu1		amd64	Visual rendering
toolkit for real-time applications - tools				
ii ocl-icd-libopencl1:amd64	2.2.8-1		amd64	Generic OpenCL ICD
Loader				
ii ocl-icd-opencl-dev:amd64	2.2.8-1		amd64	OpenCL development
files				
ii onboard	1.2.0-0ubuntu5		amd64	Simple On-screen
Keyboard				
ii onboard-data	1.2.0-0ubuntu5		all	Language model files for
the word suggestion feature of Onboard				
ii opencl-headers				

	2.0~svn32091-2	all	OpenCL (Open Computing Language) header files
ii	opencv-data	2.4.9.1+dfsg-1.5ubuntu1	all development data for opencv
ii	openoffice.org-hyphenation	0.9	all Hyphenation patterns for OpenOffice.org
ii	openprinting-ppds	20160212-0ubuntu1	all OpenPrinting printer support - PostScript PPD files
ii	openssh-client	1:7.2p2-4ubuntu2.1	amd64 secure shell (SSH) client, for secure access to remote machines
ii	openssl	1.0.2g-1ubuntu4.6	amd64 Secure Sockets Layer toolkit - cryptographic utility
ii	oracle-java8-installer	8u121-1~webupd8~0	all Oracle Java(TM) Development Kit (JDK) 8
ii	oracle-java8-set-default	8u121-1~webupd8~0	all Set Oracle JDK 8 as default Java
ii	os-prober	1.70ubuntu3	amd64 utility to detect other OSes on a set of drives
ii	overlay-scrollbar	0.2.17.1+16.04.20151117-0ubuntu1.16.04.1	all Scrollbar overlay - configuration
ii	overlay-scrollbar-gtk2:amd64	0.2.17.1+16.04.20151117-0ubuntu1.16.04.1	amd64 GTK 2 module for overlay scrollbars
ii	oxideqt-codecs-extra:amd64	1.20.4-0ubuntu0.16.04.1	amd64 Web browser engine for Qt (codecs)
ii	p11-kit	0.23.2-5~ubuntu16.04.1	amd64 p11-glue utilities
ii	p11-kit-modules:amd64	0.23.2-5~ubuntu16.04.1	amd64 p11-glue proxy and trust modules
ii	pandoc	1.16.0.2~dfsg-1	amd64 general markup converter
ii	pandoc-data	1.16.0.2~dfsg-1	all general markup converter - data files
ii	parted	3.2-15	amd64 disk partition manipulator
ii	passwd	1:4.2-3.1ubuntu5	amd64 change and administer password and group data
ii	patch	2.7.5-1	amd64 Apply a diff file to an original
ii	patchutils	0.3.4-1	amd64 Utilities to work with patches
ii	pciutils	1:3.3.1-1.1ubuntu1	amd64 Linux PCI Utilities
ii	pcmciautils	018-8	amd64 PCMCIA utilities for Linux
ii	perl	5.22.1-9	amd64 Larry Wall's Practical Extraction and Report Language
ii	perl-base	5.22.1-9	amd64 minimal Perl system
ii	perl-modules-5.22	5.22.1-9	all Core Perl modules
ii	pgdg-keyring	2014.1	all keyring for apt.postgresql.org
ii	pinentry-gnome3	0.9.7-3	amd64 GNOME 3 PIN or pass-phrase entry dialog for GnuPG

ii pkg-config link flags for libraries	0.29.1-0ubuntu1	amd64	manage compile and
ii plainbox-provider-checkbox for PlainBox	0.25-1	amd64	CheckBox provider
ii plainbox-provider-resource-generic resource jobs provider	0.23-1	amd64	CheckBox generic
ii plainbox-secure-policy use plainbox (secure version)	0.25-1	all	policykit policy required to
ii plymouth 0.9.2-3ubuntu13.1	amd64	boot animation, logger and I/O multiplexer	
ii plymouth-label logger and I/O multiplexer - label control	0.9.2-3ubuntu13.1	amd64	boot animation,
ii plymouth-theme-ubuntu-logo animation, logger and I/O multiplexer - ubuntu theme	0.9.2-3ubuntu13.1	amd64	boot
ii plymouth-theme-ubuntu-text logger and I/O multiplexer - ubuntu text theme	0.9.2-3ubuntu13.1	amd64	boot animation,
ii pm-utils management	1.4.1-16	all	utilities and scripts for power
ii po-debconf file translations with gettext	1.0.19	all	tool for managing templates
ii policykit-1	0.105-14.1	amd64	framework for managing
administrative policies and privileges			
ii policykit-1-gnome authentication agent for PolicyKit-1	0.105-2ubuntu2	amd64	GNOME
ii policykit-desktop-privileges actions without password	0.20	all	run common desktop
ii poppler-data PDF rendering library	0.4.7-7	all	encoding data for the poppler
ii poppler-utils Poppler)	0.41.0-0ubuntu1.1	amd64	PDF utilities (based on
ii popularity-contest packages automatically	1.64ubuntu2	all	Vote for your favourite
ii postgresql database (supported version)	9.6+178.pgdg16.04+1	all	object-relational SQL
ii postgresql-9.5 SQL database, version 9.5 server	9.5.5-1.pgdg16.04+1	amd64	object-relational
ii postgresql-9.6 SQL database, version 9.6 server	9.6.1-2.pgdg16.04+1	amd64	object-relational
ii postgresql-client-9.5 for PostgreSQL 9.5	9.5.5-1.pgdg16.04+1	amd64	front-end programs
ii postgresql-client-9.6 for PostgreSQL 9.6	9.6.1-2.pgdg16.04+1	amd64	front-end programs
ii postgresql-client-common multiple PostgreSQL client versions	178.pgdg16.04+1	all	manager for
ii postgresql-common database-cluster manager	178.pgdg16.04+1	all	PostgreSQL
ii postgresql-contrib	9.6+178.pgdg16.04+1	all	additional facilities

for PostgreSQL (supported version)			
ii postgresql-contrib-9.5 facilities for PostgreSQL	9.5.5-1.pgdg16.04+1	amd64	additional
ii postgresql-contrib-9.6 facilities for PostgreSQL	9.6.1-2.pgdg16.04+1	amd64	additional
ii powermgmt-base configs for power management	1.31+nmu1	all	Common utils and
ii ppp Protocol (PPP) - daemon	2.4.7-1+2ubuntu1	amd64	Point-to-Point
ii pppconfig configuring ppp	2.3.22	all	Text menu based utility for
ii pppoeconf connections	1.21ubuntu1	all	configures PPPoE/ADSL
ii pptp-linux Protocol (PPTP) Client	1.8.0-1	amd64	Point-to-Point Tunneling
ii preview-latex-style from LaTeX documents as graphics	11.88-1.1ubuntu1	all	extraction of elements
ii printer-driver-brlaser (some) Brother laser printers	3-5~ubuntu1	amd64	printer driver for
ii printer-driver-c2esp driver for Kodak ESP AiO color inkjet Series	27-2	amd64	printer
ii printer-driver-foo2zjs for ZjStream-based printers	20151024dfsg0-1ubuntu1	amd64	printer driver
ii printer-driver-foo2zjs-common for ZjStream-based printers - common files	20151024dfsg0-1ubuntu1	all	printer driver
ii printer-driver-gutenprint CUPS	5.2.11-1	amd64	printer drivers for
ii printer-driver-hpcups and Imaging - CUPS Raster driver (hpcups)	3.16.3+repack0-1	amd64	HP Linux Printing
ii printer-driver-min12xxw KonicaMinolta PagePro 1[234]xxW	0.0.9-9	amd64	printer driver for
ii printer-driver-pnm2ppa amd64 printer driver for HP-GDI printers	1.13+nondbs-0ubuntu5		
ii printer-driver-postscript-hp PostScript Descriptions	3.16.3+repack0-1	all	HP Printers
ii printer-driver-ptouch touch label printers	1.4-1	amd64	printer driver Brother P-
ii printer-driver-pxljr Color LaserJet 35xx/36xx	1.4+repack0-4	amd64	printer driver for HP
ii printer-driver-sag-gdi Aficio SP 1000s/SP 1100s	0.1-4ubuntu1	all	printer driver for Ricoh
ii printer-driver-splix Samsung and Xerox SPL2 and SPLc laser printers	2.0.0+svn315-4fakesync1	amd64	Driver for
ii procps amd64 /proc file system utilities	2:3.3.10-4ubuntu2.3		
ii prosper transparencies	1.00.4+cvs.2007.05.01-4	all	LaTeX class for writing
ii ps2eps	1.68+binaryfree-1	amd64	convert PostScript to

EPS (Encapsulated PostScript) files			
ii psmisc	22.21-2.1build1	amd64	utilities that use the proc file system
ii psutils	1.17.dfsg-2	amd64	PostScript document handling utilities
ii pulse	8.2	all	Pulse Secure Client for Linux
ii pulseaudio	1:8.0-0ubuntu3.2	amd64	PulseAudio sound server
ii pulseaudio-module-bluetooth	1:8.0-0ubuntu3.2	amd64	Bluetooth module for PulseAudio sound server
ii pulseaudio-module-x11	1:8.0-0ubuntu3.2	amd64	X11 module for PulseAudio sound server
ii pulseaudio-utils	1:8.0-0ubuntu3.2	amd64	Command line tools for the PulseAudio sound server
ii pyotherside	1.4.0-2	all	transitional dummy package
ii python	2.7.11-1	amd64	interactive high-level object-oriented language (default version)
ii python-alabaster	0.7.7-1	all	Configurable sidebar-enabled Sphinx theme (Python 2)
ii python-all	2.7.11-1	amd64	package depending on all supported Python runtime versions
ii python-all-dev	2.7.11-1	amd64	package depending on all supported Python development packages
ii python-appindicator	12.10.1+15.04.20141110-0ubuntu1	amd64	Python bindings for libappindicator
ii python-apt	1.1.0~beta1build1	amd64	Python interface to libapt-pkg
ii python-apt-common	1.1.0~beta1build1	all	Python interface to libapt-pkg (locales)
ii python-babel	1.3+dfsg.1-6	all	tools for internationalizing Python applications - Python 2.x
ii python-babel-localedata	1.3+dfsg.1-6	all	tools for internationalizing Python applications - locale data files
ii python-cairo	1.8.8-2	amd64	Python bindings for the Cairo vector graphics library
ii python-chardet	2.3.0-2	all	universal character encoding detector for Python2
ii python-compizconfig:amd64	1:0.9.12.2+16.04.20160823-0ubuntu1	amd64	Compizconfig bindings for Python
ii python-dev	2.7.11-1	amd64	header files and a static library for Python (default)
ii python-docutils	0.12+dfsg-1	all	text processing system for reStructuredText (implemented in Python 2)
ii python-gi	3.20.0-0ubuntu1	amd64	Python 2.x bindings for GObject-introspection libraries
ii python-gobject	3.20.0-0ubuntu1	all	Python 2.x bindings for GObject - transitional package

ii python-gobject-2	2.28.6-12ubuntu1	amd64	deprecated static
Python bindings for the GObject library			
ii python-gtk2	2.24.0-4ubuntu1	amd64	Python bindings for the
GTK+ widget set			
ii python-jinja2	2.8-1	all	small but fast and easy to
use stand-alone template engine			
ii python-lldb-3.8	1:3.8-2ubuntu4	amd64	Next generation, high-
performance debugger, python lib			
ii python-lockfile	1:0.12.2-1	all	file locking library for
Python — Python 2 library			
ii python-markupsafe	0.23-2build2	amd64	
HTML/XHTML/XML string library for Python			
ii python-minimal	2.7.11-1	amd64	minimal subset of the
Python language (default version)			
ii python-numpy	1:1.11.0-1ubuntu1	amd64	Numerical Python
adds a fast array facility to the Python language			
ii python-pil:amd64	3.1.2-0ubuntu1		
amd64			Python Imaging Library (Pillow fork)
ii python-pil.imagetk:amd64	3.1.2-0ubuntu1	amd64	Python Imaging
Library - ImageTk Module (Pillow fork)			
ii python-pip	8.1.1-2ubuntu0.4	all	alternative Python package
installer			
ii python-pip-whl	8.1.1-2ubuntu0.4	all	alternative Python
package installer			
ii python-pkg-resources	20.7.0-1	all	Package Discovery and
Resource Access using pkg_resources			
ii python-ply	3.7-1	all	Lex and Yacc implementation
for Python2			
ii python-pygments	2.1+dfsg-1		
all			syntax highlighting package written in Python
ii python-roman	2.0.0-2	all	module for
generating/analyzing Roman numerals for Python 2			
ii python-setuptools	20.7.0-1	all	Python Distutils
Enhancements			
ii python-six	1.10.0-3	all	Python 2 and 3 compatibility
library (Python 2 interface)			
ii python-sphinx	1.3.6-2ubuntu1	all	documentation generator
for Python projects (implemented in Python 2)			
ii python-sphinx-rtd-theme	0.1.9-1	all	sphinx theme from
readthedocs.org (Python 2)			
ii python-talloc	2.1.5-2	amd64	hierarchical pool based memory allocator - Python
bindings			
ii python-tk	2.7.11-2	amd64	Tkinter - Writing Tk
applications with Python			
ii python-tz	2014.10~dfsg1-0ubuntu2	all	Python version of the
Olson timezone database			
ii python-wheel	0.29.0-1	all	built-package format for

Python				
ii	python2.7	2.7.12-1ubuntu0~16.04.1	amd64	Interactive high-level object-oriented language (version 2.7)
ii	python2.7-dev	2.7.12-1ubuntu0~16.04.1	amd64	Header files and a static library for Python (v2.7)
ii	python2.7-minimal	2.7.12-1ubuntu0~16.04.1	amd64	Minimal subset of the Python language (version 2.7)
ii	python3	3.5.1-3	amd64	interactive high-level object-oriented language (default python3 version)
ii	python3-apport	2.20.1-0ubuntu2.5	all	Python 3 library for Apport crash report handling
ii	python3-apt	1.1.0~beta1build1	amd64	Python 3 interface to libapt-pkg
ii	python3-aptdaemon	1.1.1+bzr982-0ubuntu14	all	Python 3 module for the server and client of aptdaemon
ii	python3-aptdaemon.gtk3widgets	1.1.1+bzr982-0ubuntu14	all	Python 3 GTK+ 3 widgets to run an aptdaemon client
ii	python3-aptdaemon.pkcompat	1.1.1+bzr982-0ubuntu14	all	PackageKit compatibilty for AptDaemon
ii	python3-blinker	1.3.dfsg2-1build1	all	fast, simple object-to-object and broadcast signaling library
ii	python3-brlapi	5.3.1-2ubuntu2.1	amd64	Braille display access via BRLTTY - Python3 bindings
ii	python3-bs4	4.4.1-1	all	error-tolerant HTML parser for Python 3
ii	python3-cairo	1.10.0+dfsg-5build1	amd64	Python 3 bindings for the Cairo vector graphics library
ii	python3-cffi-backend	1.5.2-1ubuntu1	amd64	Foreign Function Interface for Python 3 calling C code - runtime
ii	python3-chardet	2.3.0-2	all	universal character encoding detector for Python3
ii	python3-checkbox-support	0.22-1	all	collection of Python modules used by PlainBox providers
ii	python3-commandnotfound	0.3ubuntu16.04.2	all	Python 3 bindings for command-not-found.
ii	python3-cryptography	1.2.3-1ubuntu0.1	amd64	Python library exposing cryptographic recipes and primitives (Python 3)
ii	python3-cups	1.9.73-0ubuntu2	amd64	Python3 bindings for CUPS
ii	python3-cupshelpers	1.5.7+20160212-0ubuntu2	all	Python modules for printer configuration with CUPS
ii	python3-dbus	1.2.0-3	amd64	simple interprocess messaging system (Python 3 interface)
ii	python3-debian	0.1.27ubuntu2	all	Python 3 modules to work with Debian-related data formats
ii	python3-defer	1.0.6-2build1	all	Small framework for

asynchronous programming (Python 3)				
ii python3-distupgrade	1:16.04.20		all	manage release upgrades
ii python3-feedparser	5.1.3-3build1		all	Universal Feed Parser for Python 3
ii python3-gdbm:amd64				
	3.5.1-1	amd64		GNU dbm database support for Python 3.x
ii python3-gi	3.20.0-0ubuntu1		amd64	Python 3 bindings for gobject-introspection libraries
ii python3-gi-cairo	3.20.0-0ubuntu1		amd64	Python 3 Cairo bindings for the GObject library
ii python3-guacamole	0.9.2-1		all	framework for creating command line applications (Python 3)
ii python3-html5lib	0.999-4		all	HTML parser/tokenizer based on the WHATWG HTML5 specification (Python 3)
ii python3-httplib2	0.9.1+dfsg-1		all	comprehensive HTTP client library written for Python3
ii python3-idna	2.0-3		all	Python IDNA2008 (RFC 5891) handling (Python 3)
ii python3-jinja2	2.8-1		all	small but fast and easy to use stand-alone template engine
ii python3-jwt	1.3.0-1		all	Python 3 implementation of JSON Web Token
ii python3-louis	2.6.4-2		all	Python bindings for liblouis
ii python3-lxml	3.5.0-1build1		amd64	pythonic binding for the lxml2 and libxslt libraries
ii python3-mako	1.0.3+ds1-1ubuntu1			
			all	fast and lightweight templating for the Python 3 platform
ii python3-markupsafe	0.23-2build2			
			amd64	
				HTML/XHTML/XML string library for Python 3
ii python3-minimal	3.5.1-3		amd64	minimal subset of the Python language (default python3 version)
ii python3-oauthlib	1.0.3-1		all	generic, spec-compliant implementation of OAuth for Python3
ii python3-padme	1.1.1-2		all	mostly transparent proxy class for Python 3
ii python3-pexpect	4.0.1-1		all	Python 3 module for automating interactive applications
ii python3-pil:amd64				
	3.1.2-0ubuntu1	amd64		Python Imaging Library (Python3)
ii python3-pkg-resources	20.7.0-1		all	Package Discovery and Resource Access using pkg_resources
ii python3-plainbox	0.25-1		all	toolkit for software and hardware testing (python3 module)
ii python3-problem-report	2.20.1-0ubuntu2.5		all	Python 3 library to handle problem reports
ii python3-ptyprocess	0.5-1		all	Run a subprocess in a pseudo terminal from Python 3
ii python3-pyasn1	0.1.9-1		all	ASN.1 library for Python

(Python 3 module)				
ii python3-pyatspi	2.18.0+dfsg-3	all	Assistive Technology Service Provider	
Interface - Python3 bindings				
ii python3-pycurl libcurl (Python 3)	7.43.0-1ubuntu1	amd64	Python bindings to	
ii python3-pyparsing module, Python3 package	2.0.3+dfsg1-1ubuntu0.1	all	Python parsing	
ii python3-renderpm:amd64 render interface	3.3.0-1	amd64	python low level	
ii python3-reportlab PDF documents using Python3	3.3.0-1	all	ReportLab library to create	
ii python3-reportlab-accel:amd64 accelerator for the ReportLab Toolkit	3.3.0-1	amd64	C coded extension	
ii python3-requests library for Python3, built for human beings	2.9.1-3	all	elegant and simple HTTP	
ii python3-six library (Python 3 interface)	1.10.0-3	all	Python 2 and 3 compatibility	
ii python3-software-properties that you install software from	0.96.20.5	all	manage the repositories	
ii python3-speechd Speech Dispatcher	0.8.3-1ubuntu3	all	Python interface to	
ii python3-systemd systemd	231-2build1	amd64	Python 3 bindings for	
ii python3-uno Python-UNO bridge	1:5.1.4-0ubuntu1	amd64		
ii python3-update-manager update-manager	1:16.04.5	all	python 3.x module for	
ii python3-urllib3 thread-safe connection pooling for Python3	1.13.1-2ubuntu0.16.04.1	all	HTTP library with	
ii python3-xdg freedesktop.org standards	0.25-4	all	Python 3 library to access	
ii python3-xkit of xorg.conf files (Python 3)	0.5.0ubuntu2	all	library for the manipulation	
ii python3-xlsxwriter creating Excel XLSX files	0.7.3-1	all	Python 3 module for	
ii python3.5 amd64 Interactive high-level object-oriented language (version 3.5)	3.5.2-2ubuntu0~16.04.1			
ii python3.5-minimal of the Python language (version 3.5)	3.5.2-2ubuntu0~16.04.1	amd64	Minimal subset	
ii qdbus	4:4.8.7+dfsg-5ubuntu2	amd64	Qt 4 D-Bus tool	
ii qml-module-io-thp-pyotherside:amd64 Python 3 Bindings for Qt 5 (QML plugin)	1.4.0-2	amd64	asynchronous	
ii qml-module-qt-labs-folderlistmodel:amd64 folderlistmodel QML module	5.5.1-2ubuntu6	amd64	Qt 5	
ii qml-module-qt-labs-settings:amd64 QML module	5.5.1-2ubuntu6	amd64	Qt 5 settings	

ii	qml-module-qtfeedback:amd64	5.0~git20130529-0ubuntu13	amd64	Qt 5
	Feedback			
	QML module			
ii	qml-module-qtgraphicaleffects:amd64	5.5.1-1ubuntu1	amd64	Qt 5
	Graphical Effects module			
ii	qml-module-qtquick-layouts:amd64	5.5.1-1ubuntu1	amd64	Qt 5 Quick
	Layouts QML module			
ii	qml-module-qtquick-window2:amd64	5.5.1-2ubuntu6	amd64	Qt 5
	window 2 QML module			
ii	qml-module-qtquick2:amd64	5.5.1-2ubuntu6	amd64	Qt 5 Qt Quick
	2 QML module			
ii	qml-module-qttest:amd64	5.5.1-2ubuntu6	amd64	Qt 5 test QML
	module			
ii	qml-module-ubuntu-components:amd64	1.3.1918+16.04.20160404-0ubuntu1	amd64	
	Qt Components for Ubuntu - Components QML plugin			
ii	qml-module-ubuntu-layouts:amd64	1.3.1918+16.04.20160404-0ubuntu1	amd64	Qt Components for Ubuntu - Layouts QML plugin
ii	qml-module-ubuntu-onlineaccounts:amd64	0.6+16.04.20151106-0ubuntu1	amd64	
	Expose the Online Accounts API to QML applications			
ii	qml-module-ubuntu-performancemetrics:amd64	1.3.1918+16.04.20160404-0ubuntu1	amd64	
	Qt Components for Ubuntu - PerformanceMetrics QML plugin			
ii	qml-module-ubuntu-test:amd64	1.3.1918+16.04.20160404-0ubuntu1	amd64	Qt
	Components for Ubuntu - Test QML plugin			
ii	qml-module-ubuntu-web:amd64	0.23+16.04.20161028-0ubuntu2	amd64	
	Ubuntu web QML module			
ii	qmlscene	5.5.1-2ubuntu6	amd64	Qt 5 QML scene viewer
ii	qpdf	6.0.0-2		
	amd64 tools for transforming and inspecting PDF files			
ii	qt-at-spi:amd64	0.4.0-3	amd64	at-spi accessibility plugin for Qt
ii	qt-at-spi:i386	0.4.0-3	i386	at-spi accessibility plugin for Qt
ii	qtchooser	52-gae5eeef-2build1~gcc5.2	amd64	Wrapper to select between Qt development binary versions
ii	qtcore4-110n	4:4.8.7+dfsg-5ubuntu2	all	Qt 4 core module translations
ii	qtdeclarative5-accounts-plugin:amd64	0.6+16.04.20151106-0ubuntu1	amd64	
	transitional dummy package for Online Accounts QML clients			
ii	qtdeclarative5-dev-tools	5.5.1-2ubuntu6		
	amd64 Qt 5 declarative development programs			
ii	qtdeclarative5-qtquick2-plugin:amd64	5.5.1-2ubuntu6	amd64	transitional
	dummy package Qt 5 Qt Quick 2 QML module			
ii	qtdeclarative5-test-plugin:amd64	5.5.1-2ubuntu6	amd64	transitional
	dummy package for Qt 5 test QML module			
ii	qtdeclarative5-ubuntu-ui-toolkit-plugin	1.3.1918+16.04.20160404-0ubuntu1	amd64	
	Transitional dummy package for Ubuntu UI Toolkit QML plugin			
ii	qtdeclarative5-unity-action-plugin:amd64	1.1.0+14.04.20140304-0ubuntu2~gcc5.1	amd64	
	Unity Action QML Components			

ii	qttranslations5-l10n	5.5.1-2build1	all	translations for Qt 5
ii	rake	10.5.0-2		
	all	ruby make-like utility		
ii	readline-common	6.3-8ubuntu2	all	GNU readline and history libraries, common files
ii	remmina	1.1.2-3ubuntu1	amd64	remote desktop client for GNOME desktop environment
ii	remmina-common	1.1.2-3ubuntu1	all	common files for remmina remote desktop client
ii	remmina-plugin-rdp	1.1.2-3ubuntu1	amd64	RDP plugin for remmina remote desktop client
ii	remmina-plugin-vnc	1.1.2-3ubuntu1	amd64	VNC plugin for remmina remote desktop client
ii	rename	0.20-4		
	all	Perl extension for renaming multiple files		
ii	resolvconf	1.78ubuntu2	all	name server information handler
ii	rkill	0.5-1ubuntu3	amd64	tool for enabling and disabling wireless devices
ii	rhythmbox	3.3-1ubuntu7	amd64	music player and organizer for GNOME
ii	rhythmbox-data	3.3-1ubuntu7	all	data files for rhythmbox
ii	rhythmbox-plugin-zeitgeist	3.3-1ubuntu7	all	zeitgeist plugin for rhythmbox music player
ii	rhythmbox-plugins	3.3-1ubuntu7	amd64	plugins for rhythmbox music player
ii	rsync	3.1.1-3ubuntu1	amd64	fast, versatile, remote (and local) file-copying tool
ii	rsyslog	8.16.0-1ubuntu3	amd64	reliable system and kernel logging daemon
ii	rtkit	0.11-4	amd64	Realtime Policy and Watchdog Daemon
ii	ruby	1:2.3.0+1	all	Interpreter of object-oriented scripting language Ruby (default version)
ii	ruby-did-you-mean	1.0.0-2	all	smart error messages for Ruby > 2.3
ii	ruby-minitest	5.8.4-2		
	all	Ruby test tools supporting TDD, BDD, mocking, and benchmarking		
ii	ruby-net-telnet	0.1.1-2	all	telnet client library
ii	ruby-power-assert	0.2.7-1	all	library showing values of variables and method calls in an expression
ii	ruby-test-unit	3.1.7-2	all	unit testing framework for Ruby
ii	ruby2.3	2.3.1-2~16.04	amd64	Interpreter of object-oriented scripting language Ruby
ii	rubygems-integration	1.10	all	integration of Debian Ruby packages with Rubygems
ii	s-nail	14.8.6-1		

	amd64	feature-rich BSD mail(1)		
ii samba-libs:amd64 libraries	2:4.3.11+dfsg-0ubuntu0.16.04.3	amd64	Samba core	
ii sane-utils scanners -- utilities	1.0.26-git20160712-xenial0	amd64	API library for	
ii sbsigntool verifying files for UEFI Secure Boot	0.6-0ubuntu10.1	amd64	utility for signing and	
ii seahorse GnuPG	3.18.0-2ubuntu1	amd64	GNOME front end for	
ii secureboot-db and DBX	1.1	amd64	Secure Boot updates for DB	
ii sed stream editor	4.2.2-7	amd64	The GNU sed	
ii sensible-utils selection	0.0.9	all	Utilities for sensible alternative	
ii session-migration session settings	0.2.3	amd64	Tool to migrate in user	
ii session-shortcuts logout, and reboot from dash	1.2	all	Allows you to shutdown,	
ii sessioninstaller using PackageKit's session Dbus API	0.20+bzr150-0ubuntu4.1	all	APT based installer	
ii sgml-base and SGML catalog file support	1.26+nmu4ubuntu1	all	SGML infrastructure	
ii shared-mime-info shared MIME database and spec	1.5-2ubuntu0.1	amd64	FreeDesktop.org	
ii shim signed boot loaders under Secure Boot	0.8-0ubuntu2	amd64	boot loader to chain-load	
ii shim-signed chain-loading bootloader (Microsoft-signed binary)	1.19~16.04.1+0.8-0ubuntu2	amd64	Secure Boot	
ii shotwell organizer	0.22.0+git20160108.r1.f2fb1f7-0ubuntu1	amd64	digital photo	
ii shotwell-common organizer - common files	0.22.0+git20160108.r1.f2fb1f7-0ubuntu1	all	digital photo	
ii signon-keyring-extension keyring extension for signond	0.6+14.10.20140513-0ubuntu2	amd64	GNOME	
ii signon-plugin-oauth2 Single Signon oauth2 plugin	0.23+16.04.20151209-0ubuntu1	amd64		
ii signon-plugin-password Password plugin for Single Sign On	8.58+16.04.20151106-0ubuntu1	amd64	Plain	
ii signon-ui package for signon-ui	0.17+16.04.20151125-0ubuntu1	all	Dummy transitional	
ii signon-ui-service file for signon-ui	0.17+16.04.20151125-0ubuntu1	all	D-Bus service	
ii signon-ui-x11 UI	0.17+16.04.20151125-0ubuntu1	amd64	Single Sign-on	
ii signond framework	8.58+16.04.20151106-0ubuntu1	amd64	Single Sign On	
ii simple-scan	3.20.0-0ubuntu1	amd64	Simple Scanning	

Utility			
ii skype:i386	4.3.0.37-1	i386	Wherever you are, wherever they are
ii slack-desktop		2.4.2	amd64 Slack Desktop
ii smartmontools		6.4+svn4214-1	amd64 control and monitor
storage systems using S.M.A.R.T.			
ii snap-confine		2.20.1ubuntu1	amd64 Support executable to
apply confinement for snappy apps			
ii snapd		2.20.1ubuntu1	amd64 Tool to interact with
Ubuntu Core Snappy.			
ii snapd-login-service		1.2-0ubuntu1.1~xenial	amd64 Daemon to allow
non-root access to snapd			
ii sni-qt:amd64			
	0.2.7+15.10.20150729-0ubuntu1	amd64	indicator support for Qt
ii sni-qt:i386		0.2.7+15.10.20150729-0ubuntu1	i386 indicator support
for Qt			
ii software-properties-common		0.96.20.5	all manage the
repositories that you install software from (common)			
ii software-properties-gtk		0.96.20.5	all manage the repositories
that you install software from (gtk)			
ii sound-theme-freedesktop		0.8-1	all freedesktop.org sound
theme			
ii speech-dispatcher		0.8.3-1ubuntu3	amd64 Common interface to
speech synthesizers			
ii speech-dispatcher-audio-plugins:amd64		0.8.3-1ubuntu3	
	amd64		Speech Dispatcher: Audio output plugins
ii sphinx-common		1.3.6-2ubuntu1	all documentation
generator for Python projects - common data			
ii sphinx-doc		1.3.6-2ubuntu1	all documentation generator
for Python projects - documentation			
ii sphinx-rtd-theme-common		0.1.9-1	all sphinx theme from
readthedocs.org (common files)			
ii squashfs-tools		1:4.3-3ubuntu2	amd64 Tool to create and
append to squashfs filesystems			
ii ssl-cert		1.0.37	all simple debconf wrapper for
OpenSSL			
ii steam-launcher			
	1.0.0.54	all	Launcher for the Steam software distribution service
ii strace		4.11-1ubuntu3	amd64 System call tracer
ii sudo		1.8.16-0ubuntu1.2	amd64 Provide limited super
user privileges to specific users			
ii suru-icon-theme		14.04+16.04.20161024-0ubuntu1	all Ubuntu Suru
Icon theme			
ii swig		3.0.8-0ubuntu3	amd64 Generate scripting
interfaces to C/C++ code			
ii swig3.0		3.0.8-0ubuntu3	amd64 Generate scripting
interfaces to C/C++ code			
ii syslinux		3:6.03+dfsg-11ubuntu1	

	amd64	collection of bootloaders (DOS FAT and NTFS bootloader)		
ii	syslinux-common	3:6.03+dfsg-1ubuntu1	all	collection of bootloaders (common)
ii	syslinux-legacy	2:3.63+dfsg-2ubuntu8	amd64	Bootloader for Linux/i386 using MS-DOS floppies
ii	sysstat	11.2.0-1ubuntu0.1	amd64	system performance tools for Linux
ii	system-config-printer-common	1.5.7+20160212-0ubuntu2	all	Printer configuration GUI
ii	system-config-printer-gnome	1.5.7+20160212-0ubuntu2	all	Printer configuration GUI
ii	system-config-printer-udev	1.5.7+20160212-0ubuntu2	amd64	Printer auto-configuration facility based on udev
ii	systemd	229-4ubuntu16	amd64	system and service manager
ii	systemd-sysv	229-4ubuntu16	amd64	system and service manager - SysV links
ii	sysv-rc	2.88dsf-59.3ubuntu2	all	System-V-like runlevel change mechanism
ii	sysvinit-utils	2.88dsf-59.3ubuntu2	amd64	System-V-like utilities
ii	t1utils	1.39-2	amd64	Collection of simple Type 1 font manipulation programs
ii	tar	1.28-2.1ubuntu0.1	amd64	GNU version of the tar archiving utility
ii	tcl	8.6.0+9	amd64	Tool Command Language (default version) - shell
ii	tcl8.6	8.6.5+dfsg-2	amd64	Tcl (the Tool Command Language) v8.6 - shell
ii	tcpd	7.6.q-25	amd64	Wietse Venema's TCP wrapper utilities
ii	tcpdump	4.7.4-1ubuntu1	amd64	command-line network traffic analyzer
ii	teamviewer:i386	11.0.57095	i386	TeamViewer (Remote Control Application)
ii	telnet	0.17-40	amd64	basic telnet client
ii	tex-common	6.04	all	common infrastructure for building and installing TeX
ii	tex-gyre	20150923-1	all	scalable PostScript and OpenType fonts based on URW Fonts
ii	texlive	2015.20160320-1	all	TeX Live: A decent selection of the TeX Live packages
ii	texlive-base	2015.20160320-1	all	TeX Live: Essential programs and files
ii	texlive-binaries	2015.20160222.37495-1	amd64	Binaries for TeX Live
ii	texlive-extra-utils	2015.20160320-1	all	TeX Live: TeX auxiliary programs

ii texlive-font-utils	2015.20160320-1	all	TeX Live: Graphics and font utilities
ii texlive-fonts-recommended	2015.20160320-1	all	TeX Live:
Recommended fonts			
ii texlive-fonts-recommended-doc	2015.20160320-1	all	TeX Live:
Documentation files for texlive-fonts-recommended			
ii texlive-generic-recommended	2015.20160320-1	all	TeX Live:
Generic recommended packages			
ii texlive-lang-english	2015.20160223-1	all	TeX Live: US and UK
English			
ii texlive-lang-italian	2015.20160223-1	all	TeX Live: Italian
ii texlive-latex-base	2015.20160320-1	all	TeX Live: LaTeX fundamental packages
ii texlive-latex-base-doc	2015.20160320-1	all	TeX Live:
Documentation files for texlive-latex-base			
ii texlive-latex-extra	2015.20160320-1	all	TeX Live: LaTeX
additional packages			
ii texlive-latex-extra-doc	2015.20160320-1	all	TeX Live:
Documentation files for texlive-latex-extra			
ii texlive-latex-recommended	2015.20160320-1	all	TeX Live: LaTeX
recommended packages			
ii texlive-latex-recommended-doc	2015.20160320-1	all	TeX Live:
Documentation files for texlive-latex-recommended			
ii texlive-pictures	2015.20160320-1	all	TeX Live: Graphics, pictures, diagrams
ii texlive-pictures-doc	2015.20160320-1	all	TeX Live:
Documentation files for texlive-pictures			
ii texlive-pstricks	2015.20160320-1	all	TeX Live: PSTricks
ii texlive-pstricks-doc	2015.20160320-1	all	TeX Live:
Documentation files for texlive-pstricks			
ii texlive-science	2015.20160320-1	all	TeX Live: Natural and
computer sciences			
ii texlive-science-doc	2015.20160320-1	all	TeX Live:
Documentation files for texlive-science			
ii texmaker	4.4.1-1.1	amd64	cross-platform LaTeX editor
ii texmaker-data	4.4.1-1.1	all	Texmaker LaTeX editor --
arch-independent files			
ii thermald	1.5-2ubuntu2	amd64	Thermal monitoring and
controlling daemon			
ii thunderbird	1:45.7.0+build1-0ubuntu0.16.04.1	amd64	Email, RSS and
newsgroup client with integrated spam filter			
ii thunderbird-gnome-support	1:45.7.0+build1-0ubuntu0.16.04.1	amd64	Email,
RSS and newsgroup client - GNOME support			
ii thunderbird-locale-en	1:45.7.0+build1-0ubuntu0.16.04.1	amd64	English
language pack for Thunderbird			
ii thunderbird-locale-en-gb			

	1:45.7.0+build1-0ubuntu0.16.04.1	all	Transitional English language pack for Thunderbird
ii thunderbird-locale-en-us English language pack for Thunderbird	1:45.7.0+build1-0ubuntu0.16.04.1	all	Transitional
ii thunderbird-locale-it language pack for Thunderbird	1:45.7.0+build1-0ubuntu0.16.04.1	amd64	Italian
ii time measuring CPU resource usage	1.7-25.1	amd64	GNU time program for
ii tipa symbols in LaTeX	2:1.3-20	all	system for processing phonetic
ii tk (default version) - windowing shell	8.6.0+9	amd64	Toolkit for Tcl and X11
ii tk8.6 windowing shell	8.6.5-1	amd64	Tk toolkit for Tcl and X11 v8.6 -
ii tk8.6-bl2.5 for Tcl/Tk - library	2.5.3+dfsg-3	amd64	graphics extension library
ii tlp	0.8-1	all	Save battery power on laptops
ii tlp-rdw	0.8-1	all	Radio device wizard
ii toshset laptop hardware interface	1.76-4	amd64	Access much of the Toshiba
ii totem the GNOME desktop based on GStreamer	3.18.1-1ubuntu4	amd64	Simple media player for
ii totem-common	3.18.1-1ubuntu4	all	Data files for the Totem media player
ii totem-plugins media player	3.18.1-1ubuntu4	amd64	Plugins for the Totem
ii traceroute packets over an IPv4/IPv6 network	1:2.0.21-1	amd64	Traces the route taken by
ii transmission-common BitTorrent client (common files)	2.84-3ubuntu3	all	lightweight
ii transmission-gtk client (GTK+ interface)	2.84-3ubuntu3	amd64	lightweight BitTorrent
ii tree tree, in color	1.7.0-3	amd64	displays an indented directory
ii ttf-ancient-fonts-symbola Unicode 7.0 (transitional package)	2.59-1	all	symbolic font providing emoji characters from
ii ttf-bitstream-vera free TrueType fonts	1.10-8	all	The Bitstream Vera family of
ii ttf-ubuntu-font-family sans-serif typeface hinted for clarity	1:0.83-0ubuntu2	all	Ubuntu Font Family,
ii tzdata saving time data	2016j-0ubuntu0.16.04	all	time zone and daylight-
ii ubuntu-artwork and artwork	1:14.04+16.04.20161024-0ubuntu1	all	Ubuntu themes
ii ubuntu-core-launcher ubuntu-core	2.20.1ubuntu1	amd64	Launcher for

(snappy) apps				
ii ubuntu-desktop system	1.361		amd64	The Ubuntu desktop
ii ubuntu-docs	16.04.4		all	Ubuntu Desktop Guide
ii ubuntu-drivers-common additional Ubuntu driver packages	1:0.4.17.2		amd64	Detect and install
ii ubuntu-keyring archive	2012.05.19		all	GnuPG keys of the Ubuntu archive
ii ubuntu-minimal	1.361		amd64	Minimal core of Ubuntu
ii ubuntu-mobile-icons Mobile Icon theme	14.04+16.04.20161024-0ubuntu1		all	Ubuntu
ii ubuntu-mono 14.04+16.04.20161024-0ubuntu1	all	Ubuntu Mono Icon theme		
ii ubuntu-release-upgrader-core upgrades	1:16.04.20		all	manage release
ii ubuntu-release-upgrader-gtk upgrades	1:16.04.20		all	manage release
ii ubuntu-restricted-addons restricted packages for Ubuntu	23		amd64	Commonly used
ii ubuntu-session	3.18.1.2-1ubuntu1.16.04.2		all	Ubuntu session
ii ubuntu-settings Ubuntu desktop	15.10.8		all	default settings for the
ii ubuntu-software for browsing, installing, and removing software	3.20.1+git20161013.0.d77d6cf-0ubuntu2~xenial1		amd64	Utility
ii ubuntu-sounds theme	0.13		all	Ubuntu's GNOME audio
ii ubuntu-standard system	1.361		amd64	The Ubuntu standard
ii ubuntu-system-service system-wide configurations	0.3		all	DBus service to set various
ii ubuntu-touch-sounds Touch image	15.08		all	sounds for the Ubuntu
ii ubuntu-ui-toolkit-theme Components for Ubuntu - Ubuntu Theme	1.3.1918+16.04.20160404-0ubuntu1		amd64	Qt
ii ubuntu-wallpapers	16.04.1-0ubuntu1		all	Ubuntu Wallpapers
ii ubuntu-wallpapers-xenial 16.04.1-0ubuntu1	all	Ubuntu 16.04 Wallpapers		
ii ucf preserve user changes to config files	3.0036		all	Update Configuration File(s):
ii udev management daemon	229-4ubuntu16		amd64	/dev/ and hotplug
ii udisks2 and manipulate storage devices	2.1.7-1ubuntu1		amd64	D-Bus service to access
ii ufw Netfilter firewall	0.35-0ubuntu2		all	program for managing a
ii unattended-upgrades of security upgrades	0.90ubuntu0.3		all	automatic installation

ii	unity	7.4.0+16.04.20160906-0ubuntu1	amd64	Interface designed for efficiency of space and interaction.
ii	unity-accessibility-profiles Manager - Unity profile data	0.1.10-0ubuntu3	all	Accessibility Profile
ii	unity-asset-pool Pool	0.8.24+15.04.20141217-0ubuntu2	all	Unity Assets
ii	unity-control-center configure the GNOME desktop	15.04.0+16.04.20160705-0ubuntu1	amd64	utilities to
ii	unity-control-center-faces configure the GNOME desktop - faces images	15.04.0+16.04.20160705-0ubuntu1	all	utilities to
ii	unity-control-center-signon Control Center extension for single signon	0.1.8+16.04.20160201-0ubuntu1	amd64	Unity
ii	unity-greeter	16.04.2-0ubuntu1	amd64	Unity Greeter
ii	unity-gtk-module-common files for GtkMenuShell D-Bus exporter	0.0.0+15.04.20150118-0ubuntu2	all	Common
ii	unity-gtk2-module:amd64 GtkMenuShell D-Bus exporter	0.0.0+15.04.20150118-0ubuntu2	amd64	
ii	unity-gtk3-module:amd64 GtkMenuShell D-Bus exporter	0.0.0+15.04.20150118-0ubuntu2	amd64	
ii	unity-lens-applications lens for unity	7.1.0+16.04.20160701-0ubuntu1	amd64	Application
ii	unity-lens-files unity	7.1.0+16.04.20151217-0ubuntu1	amd64	File lens for
ii	unity-lens-music Music lens for unity	6.9.1+16.04-0ubuntu1	amd64	
ii	unity-lens-photos Unity	1.0+14.04.20140318-0ubuntu1	all	Photos lens for
ii	unity-lens-video lens	0.3.15+16.04.20160212.1-0ubuntu1	amd64	Unity Video
ii	unity-schemas designed for efficiency of space and interaction.	7.4.0+16.04.20160906-0ubuntu1	all	Interface
ii	unity-scope-calculator scope for Unity	0.1+14.04.20140328-0ubuntu1	all	Calculator
ii	unity-scope-chromiumbookmarks Chromium bookmarks scope for Unity	0.1+13.10.20130723-0ubuntu1	all	
ii	unity-scope-colourlovers COLOURlovers scope for Unity	0.1+13.10.20130723-0ubuntu1	all	
ii	unity-scope-devhelp	0.1+14.04.20140328-0ubuntu1	all	devhelp scope for Unity
ii	unity-scope-firefoxbookmarks bookmarks scope for Unity	0.1+13.10.20130809.1-0ubuntu1	all	Firefox
ii	unity-scope-gdrive scope for Unity	0.9+16.04.20151125-0ubuntu1	all	Google Drive
ii	unity-scope-home that aggregates results from multiple scopes	6.8.2+16.04.20160212.1-0ubuntu1	amd64	Home scope
ii	unity-scope-manpages	3.0+14.04.20140324-0ubuntu1	all	Manual pages

scope for Unity				
ii unity-scope-openclipart	0.1+13.10.20130723-0ubuntu1		all	OpenClipArt
scope for Unity				
ii unity-scope-texdoc	0.1+14.04.20140328-0ubuntu1			
all Texdoc scope for Unity				
ii unity-scope-tomboy	0.1+13.10.20130723-0ubuntu1		all	Tomboy scope
for Unity				
ii unity-scope-video-remote	0.3.15+16.04.20160212.1-0ubuntu1		amd64	Remote
videos engine				
ii unity-scope-virtualbox	0.1+13.10.20130723-0ubuntu1		all	VirtualBox
scope for Unity				
ii unity-scope-yelp	0.1+13.10.20130723-0ubuntu1		all	Help scope for
Unity				
ii unity-scope-zotero	0.1+13.10.20130723-0ubuntu1		all	Zotero scope for
Unity				
ii unity-scopes-master-default	6.8.2+16.04.20160212.1-0ubuntu1		all	Home scope
that aggregates results from multiple scopes				
ii unity-scopes-runner	7.1.4+16.04.20160701-0ubuntu1	all		desktop runner for misceallenous scopes
7.1.4+16.04.20160701-0ubuntu1				
ii unity-services	7.4.0+16.04.20160906-0ubuntu1		amd64	Services for the
Unity interface				
ii unity-settings-daemon	15.04.1+16.04.20160701-0ubuntu1		amd64	daemon
handling the Unity session settings				
ii unity-webapps-common	2.4.17+15.10.20150616-0ubuntu2		all	Unity
WebApp integration scripts				
ii unity-webapps-qml	0.1+16.04.20160114-0ubuntu1		amd64	Unity
Webapps QML component				
ii unity-webapps-service	2.5.0~+16.04.20160201-0ubuntu1		amd64	Service for
Web Apps integration with the Unity desktop				
ii uno-libs3	5.1.4-0ubuntu1			
amd64 LibreOffice UNO runtime environment -- public shared libraries				
ii unzip	6.0-20ubuntu1		amd64	De-archiver for .zip files
ii update-inetd	4.43		all	inetd configuration file updater
ii update-manager	1:16.04.5		all	GNOME application that
manages apt updates				
ii update-manager-core	1:16.04.5		all	manage release upgrades
ii update-notifier	3.168.3		amd64	Daemon which notifies
about package updates				
ii update-notifier-common	3.168.3			
all Files shared between update-notifier and other packages				
ii upower	0.99.4-2ubuntu0.3		amd64	abstraction for power
management				
ii upstart	1.13.2-0ubuntu21.1		amd64	event-based init daemon
- essential binaries				
ii ure	5.1.4-0ubuntu1		amd64	LibreOffice UNO runtime
environment				
ii ureadahead	0.100.0-19		amd64	Read required files in
advance				

ii	usb-creator-common	0.3.2	amd64	create a startup disk using a CD or disc image (common files)
ii	usb-creator-gtk	0.3.2	amd64	create a startup disk using a CD or disc image (for GNOME)
ii	usb-modeswitch	2.2.5+repack0-1ubuntu1	amd64	mode switching tool for controlling "flip flop" USB devices
ii	usb-modeswitch-data	20151101-1	all	mode switching data for usb-modeswitch
ii	usbmuxd	1.1.0-2	amd64	USB multiplexor daemon for iPhone and iPod Touch devices
ii	usbutils	1:007-4	amd64	Linux USB utilities
ii	util-linux	2.27.1-6ubuntu3.2	amd64	miscellaneous system utilities
ii	uuid-runtime	2.27.1-6ubuntu3.2	amd64	runtime components for the Universally Unique ID library
ii	va-driver-all:amd64	1.7.0-1	amd64	Video Acceleration (VA) API -- driver metapackage
ii	vbetool	1.1-3	amd64	run real-mode video BIOS code to alter hardware state
ii	vdpa-driver-all:amd64	1.1.1-3ubuntu1	amd64	Video Decode and Presentation API for Unix (driver metapackage)
ii	vdpa-va-driver:amd64	0.7.4-5	amd64	VDPAU-based backend for VA API
ii	vim	2:7.4.1689-3ubuntu1.2	amd64	Vi IMproved - enhanced vi editor
ii	vim-common	2:7.4.1689-3ubuntu1.2	amd64	Vi IMproved - Common files
ii	vim-runtime	2:7.4.1689-3ubuntu1.2	all	Vi IMproved - Runtime files
ii	vim-tiny	2:7.4.1689-3ubuntu1.2	amd64	Vi IMproved - enhanced vi editor - compact version
ii	vino	3.8.1-0ubuntu9.1	amd64	VNC server for GNOME
ii	virtualbox-5.1	5.1.14-112924~Ubuntu~xenial	amd64	Oracle VM VirtualBox
ii	wamerican	7.1-1	all	American English dictionary words for /usr/share/dict
ii	wbritish	7.1-1	all	British English dictionary words for /usr/share/dict
ii	webapp-container	0.23+16.04.20161028-0ubuntu2	amd64	Ubuntu web applications container
ii	webbrowser-app	0.23+16.04.20161028-0ubuntu2	amd64	Ubuntu web browser
ii	wget	1.17.1-1ubuntu1.1	amd64	retrieves files from the web
ii	whiptail	0.52.18-1ubuntu2	amd64	Displays user-friendly dialog boxes from shell scripts
ii	whois	5.2.11	amd64	intelligent WHOIS client
ii	whoopsie	0.2.52.2	amd64	Ubuntu error tracker

submission				
ii whoopsie-preferences	0.18	amd64		System preferences for error reporting
ii wireless-regdb database		2015.07.20-1ubuntu1	all	wireless regulatory
ii wireless-tools manipulating Linux Wireless Extensions		30~pre9-8ubuntu1	amd64	Tools for
ii witalian /usr/share/dict/	1.7.6		all	Italian dictionary words for
ii wpasupplicant and WPA2 (IEEE 802.11i)		2.4-0ubuntu6	amd64	client support for WPA
ii wxcrafter codelite		2.7-1.xenial	amd64	gui generator plugin for
ii x11-apps	7.7+5+nmu1ubuntu1	amd64		X applications
ii x11-common (X.Org) infrastructure		1:7.7+13ubuntu3	all	X Window System
ii x11-session-utils	7.7+2		amd64	X session utilities
ii x11-utils	7.7+3		amd64	X11 utilities
ii x11-xkb-utils	7.7+2		amd64	X11 XKB utilities
ii x11-xserver-utils	7.7+7		amd64	X server utilities
ii x11proto-composite-dev extension wire protocol		1:0.4.2-2	all	X11 Composite
ii x11proto-core-dev	7.0.28-2ubuntu1		all	X11 core wire protocol and auxiliary headers
ii x11proto-damage-dev wire protocol		1:1.2.1-2	all	X11 Damage extension
ii x11proto-dri2-dev protocol		2.8-2	all	X11 DRI2 extension wire
ii x11proto-fixes-dev wire protocol		1:5.0-2ubuntu2	all	X11 Fixes extension
ii x11proto-gl-dev protocol		1.4.17-1	all	X11 OpenGL extension wire
ii x11proto-input-dev protocol		2.3.1-1	all	X11 Input extension wire
ii x11proto-kb-dev 1.0.7-0ubuntu1			all	X11 XKB extension wire protocol
ii x11proto-randr-dev protocol		1.5.0-1	all	X11 RandR extension wire
ii x11proto-render-dev wire protocol		2:0.11.1-2	all	X11 Render extension
ii x11proto-xext-dev protocol		7.3.0-1	all	X11 various extension wire
ii x11proto-xf86vidmode-dev extension wire protocol		2.3.1-2	all	X11 Video Mode
ii x11proto-xinerama-dev wire protocol		1.2.1-2	all	X11 Xinerama extension
ii xauth		1:1.0.9-1ubuntu2	amd64	

X authentication utility			
ii	xbitmaps	1.1.1-2	all Base X bitmaps
ii	xbrlapi	5.3.1-2ubuntu2.1	amd64 Access software for a
	blind person using a braille display - xbrlapi		
ii	xcursor-themes	1.0.4-1	all Base X cursor themes
ii	xdg-user-dirs	0.15-2ubuntu6	amd64 tool to manage well
	known user directories		
ii	xdg-user-dirs-gtk	0.10-1ubuntu1	amd64 tool to manage well
	known user directories (Gtk extension)		
ii	xdg-utils	1.1.1-1ubuntu1.16.04.1	all desktop integration
	utilities from freedesktop.org		
ii	xdiagnose	3.8.4.1	all X.org diagnosis tool
ii	xfonts-base	1:1.0.4+nmu1	all standard fonts for X
ii	xfonts-encodings	1:1.0.4-2	all Encodings for X.Org fonts
ii	xfonts-scalable	1:1.0.3-1.1	all scalable fonts for X
ii	xfonts-utils	1:7.7+3	amd64 X Window System font
	utility programs		
ii	xinit	1.3.4-3ubuntu0.1	amd64 X server initialisation tool
ii	xinput	1.6.2-1	
	amd64 Runtime configuration and test of XInput devices		
ii	xkb-data	2.16-1ubuntu1	all X Keyboard Extension
	(XKB) configuration data		
ii	xml-core	0.13+nmu2	all XML infrastructure and
	XML catalog file support		
ii	xorg	1:7.7+13ubuntu3	amd64 X.Org X Window System
ii	xorg-docs-core	1:1.7.1-1ubuntu1	all Core documentation for
	the X.org X Window System		
ii	xorg-sgml-doctools	1:1.11-1	all Common tools for building
	X.Org SGML documentation		
ii	xserver-common	2:1.18.4-0ubuntu0.2	
	all common files used by various X servers		
ii	xserver-xorg	1:7.7+13ubuntu3	amd64 X.Org X server
ii	xserver-xorg-core	2:1.18.4-0ubuntu0.2	amd64 Xorg X server -
	core server		
ii	xserver-xorg-input-all	1:7.7+13ubuntu3	amd64 X.Org X server --
	input driver metapackage		
ii	xserver-xorg-input-evdev	1:2.10.1-1ubuntu2	amd64 X.Org X server --
	evdev input driver		
ii	xserver-xorg-input-synaptics	1.8.2-1ubuntu3	amd64 Synaptics
	TouchPad driver for X.Org server		
ii	xserver-xorg-input-vmouse	1:13.1.0-1ubuntu2	amd64 X.Org
	X server -- VMMouse input driver to use with VMWare		
ii	xserver-xorg-input-wacom	1:0.32.0-0ubuntu3	amd64 X.Org X server
	-- Wacom input driver		
ii	xserver-xorg-video-all	1:7.7+13ubuntu3	amd64 X.Org X server --
	output driver metapackage		
ii	xserver-xorg-video-amdgpu	1.1.0-1	amd64 X.Org X server --
	AMDGPU display driver		

ii xserver-xorg-video-ati AMD/ATI display driver wrapper	1:7.7.0-1	amd64	X.Org X server --
ii xserver-xorg-video-fbdev fbdev display driver	1:0.4.4-1build5	amd64	X.Org X server --
ii xserver-xorg-video-intel X.Org X server -- Intel i8xx, i9xx display driver	2:2.99.917+git20160325-1ubuntu1.2	amd64	
ii xserver-xorg-video-nouveau - Nouveau display driver	1:1.0.12-1build2	amd64	X.Org X server -
ii xserver-xorg-video-qxl QXL display driver	0.1.4-3ubuntu3	amd64	X.Org X server --
ii xserver-xorg-video-radeon AMD/ATI Radeon display driver	1:7.7.0-1	amd64	X.Org X server --
ii xserver-xorg-video-vesa VESA display driver	1:2.3.4-1build2	amd64	X.Org X server --
ii xserver-xorg-video-vmware -- VMware display driver	1:13.1.0-2ubuntu3	amd64	X.Org X server
ii xterm emulator	322-1ubuntu1	amd64	X terminal
ii xtrans-dev (development files)	1.3.5-1	all	X transport library
ii xul-ext-ubufox Firefox	3.2-0ubuntu1	all	Ubuntu modifications for
ii xz-utils compression utilities	5.1.1alpha+20120614-2ubuntu2	amd64	XZ-format
ii yelp	3.18.1-1ubuntu4	amd64	Help browser for GNOME
ii yelp-xsl help browser	3.18.1-1	all	XSL stylesheets for the yelp
ii zeitgeist-core framework - engine	0.9.16-0ubuntu4	amd64	event logging
ii zeitgeist-datahub 0.9.16-0ubuntu4	amd64		event logging framework - passive logging daemon
ii zenity boxes from shell scripts	3.18.1.1-1ubuntu2	amd64	Display graphical dialog
ii zenity-common dialog boxes from shell scripts (common files)	3.18.1.1-1ubuntu2	all	Display graphical
ii zip	3.0-11	amd64	Archiver for .zip files
ii zlib1g:amd64 - runtime	1:1.2.8.dfsg-2ubuntu4	amd64	compression library
ii zlib1g:i386 runtime	1:1.2.8.dfsg-2ubuntu4	i386	compression library -
ii zlib1g-dev:amd64 1:1.2.8.dfsg-2ubuntu4	amd64		compression library - development

Found in path(s):

```
* /opt/cola/permits/1847414501_1702138933.17577/0/295b9e165630428509cb78428a3228df-
a33984527a42fe4c3a6bea86d6b9a4e91b9b88e7-zip/295b9e165630428509cb78428a3228df-
a33984527a42fe4c3a6bea86d6b9a4e91b9b88e7/packages.list
```


1.114 libprocps 2:3.3.16-1ubuntu2.4

1.114.1 Available under license :

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1.120 libudev 245.4-4ubuntu3.23

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1.122 libc 2.31-0ubuntu9.14

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1.126 libldap 2.4.49+dfsg-2ubuntu1.10

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1.127 cryptography 42.0.5

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1.130 setuptools-rust 1.9.0

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1.131 pyopenssl 24.1.0

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1.132 python-setuptools 69.2.0

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