

**Licensing Information User Manual
Oracle Solaris 11.4**

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Introduction

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◆◆◆ CHAPTER 2

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Third-Party Notices and/or Licenses for Oracle Solaris 11.4

Oracle Solaris 11.4 OS packages along with the link to license information are listed in the following table. The licenses are listed alphabetically A-Z, then a-z.

TABLE 1 Third Party Licenses and Notices

Technology Name	Technology Version	Packages and Link to License Text
American English Dictionary	0.20040623	library/myspell/dictionaries
App-ClusterSSH	4.09	terminal/cssh-522
Authen-PAM	0.16	library/perl-5/authen-pam-522

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Technology Name	Technology Version	Packages and Link to License Text
Babel	2.3.4	library/python/babel-27
Backbone.js	0.9.2	system/install/auto-install/auto-install-common
Brazilian Portuguese Dictionary	2700g	library/myspell/dictionaries
CACKey	0.7.4	system/library/security/pkcs11_cackey
CDE	1.0.10	library/motif
CGI	4.37	library/perl-5/CGI-522
CLDR	28	system/locale
Cheetah	2.4.4	library/python/cheetah-27
CherryPy	5.1.0	library/python/cherrypy-27
ConsoleKit	0.4.1	library/security/pam/module/pam-consolekit
Cracklib	2.7	system/library
Csh		system/core-os
Cython	0.28.2	library/python/cython-27
DBD-SQLite	1.50	library/perl-5/dbd-sqlite-522
DBD-mysql	4.042	library/perl-5/dbd-mysql-522
DBI	1.636	library/perl-5/database-522
DTraceToolkit	0.99	system/dtrace/dtrace-toolkit
Django	1.11.1	library/python/django-27
FormEncode	1.3.0	library/python/formencode-27
French Dictionary	1.0.1	library/myspell/dictionaries
GConf	3.2.6	gnome/config/gconf
GMP		library/gmp
GRUB2	2.00	source/system/grub
German Dictionary	0.20051213	library/myspell/dictionaries
HAL (Hardware Abstraction Layer)	0.5.4	system/hal
HKSCS	2008	system/library/iconv
ICU	3.6	system/library/iconv
ISO/IEC	10646-1:1993	system/locale
ImageMagick	6.9.9-40	image/imagemagick
Imaging	1.1.7	library/python/python-imaging-27
Italian Dictionary	2.3	library/myspell/dictionaries
Jinja2	2.8	library/python/jinja2-27
Kerberos	1.16.0	security/kerberos-5
LZMA SDK	4.62	system/library
Locale definition info from IEEE Std 1003.2-1992 v. Year 1992	1003.2-1992	system/locale

Technology Name	Technology Version	Packages and Link to License Text
M2Crypto	0.24.0	library/python/m2crypto-27
MPFR		library/mpfr
Mako	1.0.4	library/python/mako-27
Markdown	2.6.6	library/python/markdown-27
MarkupSafe	0.23	library/python/markupsafe-27
MiniSAT	1.14.1	package/pkg
MySQL-python	1.2.5	library/python/python-mysql-27
NDMP SDK		service/storage/ndmp
Net-SSLeay	1.80	library/perl-5/net-ssleay-522
Netscape Communications		system/kernel/crypto
Open Fabrics kernel components	1.5.3	system/io/infiniband/open-fabrics
PAPI	3.5	diagnostic/cpu-counters
PTP		service/network/ptp
Paste	2.0.3	library/python/paste-27
PasteDeploy	1.5.2	library/python/paste.deploy-27
PowerTOP	1.2	diagnostic/powertop
PrettyTable	0.7.2	library/python/prettytable-27
PyYAML	3.11	library/python/pyyaml-27
Pygments	2.1.3	library/python/pygments-27
Python	2.7.14	library/python/tkinter-27
Python	3.4.8	library/python/tkinter-34
Python	3.5.3	library/python/tkinter-35
RSA	4	system/kernel/crypto
Reliable Datagram Sockets (RDSv3)	1.3	system/io/infiniband/reliable-datagram-sockets-v3
RequireJS	2.0.5	system/install/auto-install/auto-install-common
RequireJS i18n plugin	2.0.1	system/install/auto-install/auto-install-common
RequireJS text plugin	2.0.3	system/install/auto-install/auto-install-common
Routes	2.3.1	library/python/routes-27
Ruby	2.1.6	runtime/ruby-21
Ruby	2.3.1	runtime/ruby-23
RubyGems	2.7.6	runtime/ruby-21
SDL	1.2.15	library/sdl
SQLAlchemy	1.0.12	library/python/sqlalchemy-27
SQLite	2.8.15	system/core-os
Solarflare		service/network/ptp
Spanish Dictionary	0.1	library/myspell/dictionaries

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Technology Name	Technology Version	Packages and Link to License Text
Tempita	0.5.1	library/python/tempita-27
The Open Group Technical Standard Portable Layout Services: Context-dependent and Directional Text - ISBN 1-85912-142-X	1-85912-142-X	system/library/liblayout
Tk	804.33	library/perl-5/perl-tk-522
Twisted	10.1.0	library/python/python-twisted-27
TwistedWeb2	8.1.0	library/python/python-twisted-web2-27
Underscore.js	1.3.3	system/install/auto-install/auto-install-common
Unicode	8.0	system/library/iconv
V4L2 API definition header files	V4L2 in Linux 3.14	system/header
WebOb	1.5.1	library/python/webob-27
WebTest	2.0.21	library/python/webtest-27
X11-Protocol	0.56	library/perl-5/perl-x11-protocol-522
XML-LibXML	2.0128	library/perl-5/xml-libxml-522
XML-Namespacesupport	1.11	library/perl-5/xml-namespacesupport-522
XML-Parser	2.44	library/perl-5/xml-parser-522
XML-SAX	0.99	library/perl-5/xml-sax-522
XML-SAX-Base	1.08	library/perl-5/xml-sax-base-522
XML-Simple	2.24	library/perl-5/xml-simple-522
Xen PV Drivers	Xen 3.0.4-1	driver/xvm/pv
a2ps	4.14	print/filter/a2ps
aac	2.2.3	driver/storage/aac
aalib	1.4rc5	library/aalib
accerciser	3.14.0	gnome/accessibility/accerciser
accessx	11.4	x11/keyboard/accessx
accountsservice	0.6.40	system/library/accountsservice
acpica	20140325	system/kernel
acpidump	20071116	diagnostic/acpidump
adwaita-icon-theme	3.24.0	gnome/theme/adwaita-icon-theme
agpgart	0.9.1	driver/graphics/agpgart
aioeventlet	0.5.1	library/python/aioeventlet-27
amqp	1.4.9	library/python/amqp-27
anonymous-pro	11.4	system/font/truetype/anonymous-pro
ant	1.10.1	developer/build/ant
antlr	2.7.7	developer/parser/antlr-2
anyjson	0.3.3	library/python/anyjson-27

Technology Name	Technology Version	Packages and Link to License Text
apache2	2.4.33	web/server/apache-24
appdirs	1.4.0	library/python/appdirs-27
apr	1.5.2	library/apr-15
apr	1.6.3	library/apr-16
apr-util	1.5.4	library/apr-util-15
apr-util	1.6.1	library/apr-util-16
arabeyes	11.4	system/font/truetype/arabeyes
arn	1.0	driver/network/wlan/arn
arp		system/network
arphic-ukai	11.4	system/font/truetype/arphic-ukai
arphic-uming	11.4	system/font/truetype/arphic-uming
asciidoc	8.6.9	developer/documentation-tool/asciidoc
asn1crypto	0.24.0	library/python/asn1crypto-27
aspell	0.60.6.1	text/aspell
astroid	1.4.8	library/python/astroid
at-spi2-atk	2.24.0	library/desktop/at-spi2-atk
at-spi2-core	2.24.0	library/desktop/at-spi2-core
atk	2.24.0	library/desktop/atk
atkmm	2.24.2	library/desktop/c++/atkmm
atu	1.92	driver/network/wlan/atu
augeas	1.8.1	system/management/augeas
autoconf	2.13	developer/build/autoconf-213
autoconf	2.69	developer/build/autoconf
automake	1.10	developer/build/automake-110
automake	1.11.2	developer/build/automake-111
automake	1.15	developer/build/automake-115
avahi	0.7	system/network/avahi
background-logo-extension	3.24.0	gnome/gnome-shell/background-logo-extension
backup		system/core-os
baekmuk	11.4	system/font/truetype/baekmuk
baobab	3.18.1	gnome/disk-analyzer/baobab
bash	4.4.19.19	shell/bash
beautifulsoup4	4.2.1	library/python/beautifulsoup4-27
bge	1.91.2.32.2.1	driver/network/ethernet/bge
bib		text/doctools
bind	9.10.6-P1	network/dns/bind

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binutils	2.30-1	developer/gnu-binutils
bison	3.0.4	developer/parser/bison
bitmap	1.0.8	image/editor/bitmap
bnu		legacy/service/network/uucp
boto	2.40.0	library/python/boto-27
bpf	4.3BSD	system/network/bpf
bpg-georgian	11.4	system/font/truetype/bpg-georgian
brlty	5.4	library/accessibility/brlty
bzip2	1.0.6	compress/bzip2
cachetools	1.1.5	library/python/cachetools-27
cairo	1.14.8	library/desktop/cairo
cairomm	1.12.2	library/desktop/c++/cairomm
cantarell-fonts	0.0.25	system/font/truetype/cantarell
caribou	0.4.21	gnome/accessibility/caribou
ccid	1.4.20	library/security/pcsc-lite/ccid
cdrtools	3.01	media/cdrtools
cffib	1.11.4	library/python/cffib-27
check	0.11.0	developer/test/check
checkeq		text/doctools
chrome-gnome-shell	10.1	gnome/chrome-gnome-shell
cliff	2.0.0	library/python/cliff-27
cloog	0.18.4	library/cloog
cloudbase-init	0.9.9	system/management/cloudbase-init
clutter	1.26.0	library/desktop/clutter
clutter-gst	2.0.16	library/desktop/clutter/clutter-gst
clutter-gst	3.0.22	library/desktop/clutter/clutter-gst3
clutter-gtk	1.8.2	library/desktop/clutter/clutter-gtk
cmake	3.9.1	developer/build/cmake
cmd2	0.6.8	library/python/cmd2-27
cogl	1.22.2	library/graphics/cogl
colord	1.1.8	service/image/colord
colord-gtk	0.1.26	library/desktop/colord-gtk
compress		system/core-os
conflict	20150705	shell/conflict
constype	1.0.4	diagnostic/constype
contextlib2	0.5.1	library/python/contextlib2-27

Technology Name	Technology Version	Packages and Link to License Text
convmv	2.3	text/convmv
coolkey	1.1.0	system/library/security/pkcs11_coolkey
coreutils	8.27	file/gnu-coreutils
cov-core	1.15.0	library/python/cov-core-27
coverage	4.0.3	library/python/coverage-27
cppunit	1.13.2	developer/c++/cppunit
cron		system/core-os
croscorefonts	11.4	system/font/truetype/croscorefonts
cryptography	2.1.4	library/python/cryptography-27
cssutils	1.0.1	library/python/cssutils-27
cups	1.4.5	library/print/cups-libs
curl	7.60.0	web/curl
cvs	1.12.13	developer/versioning/cvs
cyrus-sasl	2.1.26	legacy/system/library/security/libsasl-links
d2to1	0.2.12	library/python/d2to1-27
d3	4.4.4	library/javascript/d3
daq	2.0.6	system/library/libdaq
dbus	1.10.22	system/library/dbus
dbus-glib	0.102	system/library/libdbus-glib
dbus-python	1.2.0	library/python/dbus-python
dconf	0.26.0	library/gnome/dconf
dconf-editor	3.18.0	gnome/config/dconf-editor
debtcollector	1.3.0	library/python/debtcollector-27
decorator	4.0.10	library/python/decorator-27
dejagnum	1.6	developer/test/dejagnum
dejavu-fonts-ttf	2.37	system/font/truetype/dejavu
desktop-file-utils	0.23	desktop/xdg/desktop-file-utils
devhelp	3.18.0	developer/gnome/devhelp
diffstat	1.61	text/diffstat
diffutils	3.6	text/gnu-diffutils
django-appconf	1.0.2	library/python/django-appconf-27
dnsmasq	2.78	service/network/dnsmasq
dnspython	1.12.0	library/python/dnspython-27
docbook	1.0	data/docbook/docbook-dtds
docbook-dsssl	1.79	data/docbook/docbook-style-dsssl
docbook-xsl	1.75.2	data/docbook/docbook-style-xsl

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dogpile.cache	0.5.7	library/python/dogpile.cache-27
dogpile.core	0.4.1	library/python/dogpile.core-27
dotconf	1.3	library/desktop/dotconf
doxygen	1.8.13	developer/documentation-tool/doxygen
drm	1.6	driver/graphics/drm
dulwich	0.19.2	library/python/dulwich-27
dwarf	0.2016.11.24	library/libdwarf
eeprom		system/core-os
emacs	25.2	editor/gnu-emacs
enchant	1.6.0	library/spell-checking/enchant
enscript	1.6.6	print/filter/enscript
enum34	1.1.6	library/python/enum-27
eog	3.24.0	image/viewer/eog
eog-plugins	3.16.3	image/viewer/eog/eog-plugins
erlang	19.3	runtime/erlang
espeak	1.44.05	library/speech/espeak
eventlet	0.18.4	library/python/eventlet-27
evince	3.25.4	desktop/pdf-viewer/evince
evolution-data-server	3.24.0	library/desktop/evolution-data-server
exempi	2.4.4	library/exempi
expect	5.45	shell/expect
extras	0.0.3	library/python/extras-27
facter	2.5.1	system/management/facter
fasteners	0.14.1	library/python/fasteners-27
fetchmail	6.3.26	mail/fetchmail
fftw	3.3.5	library/fftw-3
file-roller	3.24.0	desktop/archive-manager/file-roller
filechunkio	1.6	library/python/filechunkio-27
findutils	4.6.0	file/gnu-findutils
firefox	52.9.0	web/browser/firefox
fixtures	1.4.0	library/python/fixtures-27
flac	1.3.2	codec/flac
flex	2.6.4	developer/lexer/flex
fltk	1.3.4	x11/library/toolkit/fltk
folks	0.11.3	library/gnome/folks
font-adobe-100dpi	7.7	system/font/xorg/iso8859-1

Technology Name	Technology Version	Packages and Link to License Text
font-bh-ttf	1.0.3	system/font/truetype/bh-luxi
font-daewoo-misc	1.0.3	system/font/daewoo-misc
font-isas-misc	1.0.3	system/font/isas-misc
font-jis-misc	1.0.3	system/font/jis-misc
font-misc-cyrillic	1.0.4	system/font/xorg/cyrillic
font-misc-ethiopic	1.0.3	system/font/misc-ethiopic
font-misc-meltho	1.0.3	system/font/misc-meltho
fontconfig	2.12.1	system/library/fontconfig
foomatic-db	4.0.20160721	print/cups/filter/foomatic-db
foomatic-db-engine	4.0.12.20160721	print/cups/filter/foomatic-db-engine
foomatic-filters	4.0.17.20160212	print/lp/filter/foomatic-rip
foomatic-filters-ppds	0.2008.8.18	print/lp/filter/foomatic-ppds
fping	3.16	diagnostic/fping
freefont	20120503	system/font/truetype/freefont
freeglut	2.8.1	x11/library/freeglut
freetype	2.9.1	system/library/freetype-2
fstobdf	7.7	x11/xfs/xfs-utilities
ftp		network/ftp
ftp-proxy	5.5	network/firewall/firewall-ftp-proxy
fts	1.22	system/library
funcsigs	0.4	library/python/funcsigs-27
futures	3.0.5	library/python/futures-27
futurist	0.13.0	library/python/futurist-27
gSOAP	2.7.17	system/library/security/pkcs11_kms
gamin	0.1.10	library/file-monitor/gamin
gawk	4.1.4	text/gawk
gcc	5.5.0	developer/gcc/gcc-c++-5
gcc	7.3.0	developer/gcc/gcc-c++-7
gcr	3.20.0	library/gnome/gcr
gd	2.2.5	library/gd
gdb	8.0	developer/debug/gdb
gdbm	1.8.3	library/database/gdbm
gdk-pixbuf	2.36.11	library/desktop/gdk-pixbuf
gdm	3.24.2	system/display-manager/gdm
gedit	3.18.2	editor/gedit
gedit-plugins	3.18.0	editor/gedit/gedit-plugins

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genders	1.22	library/libgenders
gentium	11.4	system/font/truetype/gentium
geoclue	2.4.7	library/desktop/geoclue
geocode-glib	3.23.90	library/desktop/geocode-glib
getopt	1.1.6	shell/gnu-getopt
getopt_long		system/library
gettext	0.19.8	text/gnu-gettext
gettext	1.0.7	library/perl-5/gettext-522
ghostscript	9.22	print/filter/ghostscript
ghostscript-fonts-std	8.11	print/filter/ghostscript/fonts/gnu-gs-fonts-std
git	2.15.2	developer/versioning/git
gjs	1.48.0	library/desktop/gjs
glade	3.16.0	developer/ui-designer/glade
gladman	04-03-08	system/kernel/crypto
glib	2.52.0	library/glib2
glib-networking	2.50.0	library/glib-networking
glibmm	2.50.0	library/c++/glibmm
glu	9.0.0	x11/library/libglu
gmime	2.6.23	library/gmime
gnome-autoar	0.2.2	library/desktop/gnome-autoar
gnome-backgrounds	3.24.0	image/gnome-backgrounds
gnome-calculator	3.24.0	gnome/gnome-calculator
gnome-calendar	3.24.0	gnome/gnome-calendar
gnome-clocks	3.18.0	gnome/gnome-clocks
gnome-common	3.18.0	library/gnome/gnome-common
gnome-control-center	3.24.0	gnome/preferences/control-center
gnome-desktop	3.24.0	library/gnome/gnome-desktop
gnome-devel-docs	3.18.1	documentation/gnome/gnome-devel-docs
gnome-doc-utils	0.20.10	developer/gnome/gnome-doc-utils
gnome-font-viewer	3.23.91	gnome/gnome-font-viewer
gnome-getting-started-docs	3.24.0	documentation/gnome/gnome-getting-started-docs
gnome-initial-setup	3.24.0	gnome/gnome-initial-setup
gnome-keyring	3.20.0	gnome/gnome-keyring
gnome-menus	3.13.3	library/gnome/gnome-menus
gnome-online-accounts	3.24.0	library/gnome/gnome-online-accounts
gnome-screenshot	3.22.0	gnome/gnome-screenshot

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gnome-session	3.24.0	gnome/gnome-session
gnome-settings-daemon	3.24.0	gnome/gnome-settings-daemon
gnome-shell	3.24.0	gnome/gnome-shell
gnome-shell-extensions	3.24.0	gnome/gnome-shell-extensions
gnome-system-monitor	3.24.0	desktop/system-monitor/gnome-system-monitor
gnome-terminal	3.18.2	terminal/gnome-terminal
gnome-themes-standard	3.22.2	gnome/theme/gnome-themes-standard
gnome-tweak-tool	3.24.0	gnome/gnome-tweak-tool
gnome-user-docs	3.18.1	documentation/gnome/gnome-user-docs
gnu-efi	3.0	library/libgnumefi
gnu-gs-fonts-other	6.0	print/filter/ghostscript/fonts/gnu-gs-fonts-other
gnupg	2.0.30	crypto/gnupg
gnuplot	5.2.2	image/gnuplot
gnutls	3.5.16	library/gnutls-3
gobject-introspection	1.52.0	library/desktop/gobject/gobject-introspection
gocr	0.50	image/gocr
golang	1.7.6-1	developer/golang-17
gom	0.3.2	library/desktop/gom
google-droid-fonts	2013.06.07	system/font/truetype/google-droid
gperf	3.1	developer/gperf
gpgme	1.6.0	library/security/gpgme
graphviz	2.28.0	image/graphviz
greenlet	0.4.9	library/python/greenlet-27
grep	3.1	text/gnu-grep
grilo	0.3.3	library/desktop/grilo
grilo-plugins	0.3.4	library/desktop/grilo-plugins
groff	1.22.3	text/groff
gsettings-desktop-schemas	3.24.0	gnome/gsettings-desktop-schemas
gsl	2.4	library/libgsl
gsound	1.0.2	library/desktop/gsound
gssdp	1.0.2	library/desktop/gssdp
gsskex	5.7p1	network/ssh
gsskrbkernel	[1.10, 1.8]	system/kernel/security/gss
gst-plugins-base	1.10.3	library/desktop/gstreamer-1/gst-plugins-base
gst-plugins-good	1.10.3	library/desktop/gstreamer-1/gst-plugins-good
gst-python	1.10.3	library/python/gst-python-1-27

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gstreamer	1.10.3	library/desktop/gstreamer-1
gtk-doc	1.25	developer/documentation-tool/gtk-doc
gtk-engines	2.20.2	gnome/theme/gtk2-engines
gtk-vnc	0.7.0	library/desktop/gtk-vnc
gtk2	2.24.31	library/desktop/gtk2
gtk3	3.22.12	library/desktop/gtk3
gtkmm	2.24.5	library/desktop/c++/gtkmm
gtkmm	3.22.0	library/desktop/c++/gtkmm3
gtksourceview	3.24.0	library/desktop/gtksourceview3
gtkspell	2.0.16	library/desktop/gtkspell
gucharmap	3.18.1	desktop/character-map/gucharmap
gupnp	1.0.2	library/desktop/gupnp
gupnp-igd	0.2.4	library/desktop/gupnp-igd
gutenprint	5.2.13	print/filter/gutenprint
gvfs	1.32.0	library/gnome/gvfs
gzip	1.8	compress/gzip
hal-cups-utils	0.6.19	print/cups/hal-cups-utils
harfbuzz	1.0.6	library/desktop/harfbuzz
help2man	1.47.4	developer/documentation-tool/help2man
hexedit	1.2.13	editor/hexedit
hg-git	0.8.5	developer/versioning/mercurial/hg-git-27
hicolor-icon-theme	0.17	gnome/theme/hicolor-icon-theme
hiera	3.4.2	library/ruby/hiera
hplip	3.17.10	print/filter/hplip
httping	2.4	diagnostic/httping
httplib2	0.9.2	library/python/httplib2-27
hwa1480_fw	RC1.3PA2-2	system/io/usb
i915	2013Q3	driver/graphics/drm
ibus	1.5.13	system/input-method/ibus
ibutils	1.5.7	network/open-fabrics
icu	3.6	system/kernel
icu4c	59_1-1	developer/icu
idna	2.0	library/python/idna-27
idnkit	11.4	library/idnkit
ifconfig		system/network
ifparse		system/network

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iftop	0.17	diagnostic/iftop
ilmbase	2.2.0	library/ilmbase
imake	1.0.7	developer/build/imake
indent	2.2.10	developer/gnu-indent
indic-fonts-core	11.4	system/font/truetype/indic-fonts-core
infiniband-diags	1.6.5	network/open-fabrics
iniparse	0.4	library/python/iniparse
intel		system/kernel/platform
intel-gpu-tools	1.3	x11/diagnostic/intel-gpu-tools
intltool	0.51.0	developer/intltool
ipaddr	2.1.11	library/python/ipaddr-27
ipaddress	1.0.16	library/python/ipaddress-27
ipafont	11.4	system/font/truetype/ipafont
iperf	3.1.7	benchmark/iperf3
ipfilter	4.1.9	network/ipf2pf
ipmi	8.0,8.1	driver/management/ipmi
ipmitool	1.8.15.0	system/management/ipmitool
ipython	0.10	library/python/ipython-27
irssi	1.0.7	network/chat/irssi
isc-dhcp	4.3.6-P1	service/network/dhcp/isc-dhcp
isl	0.18	library/isl
iso-codes	3.21	data/iso-codes
iso8601	0.1.11	library/python/iso8601-27
isort	4.2.5	library/python/isort-27
itstool	2.0.2	developer/documentation-tool/itstool
iwh	1.0	driver/network/wlan/iwh
iwk	1.16	driver/network/wlan/iwk
iwp	1.0	driver/network/wlan/iwp
jQuery	1.8.0	system/install/auto-install/auto-install-common
jansson	2.10	library/jansson
jjv	1.0.2	library/javascript/jjv
jpeg	6.0.2	image/library/libjpeg
jq	1.6	text/jq
jsl	0.3.0	developer/javascript/jsl
json-c	0.12	library/json-c
json-glib	1.2.8	library/json-glib

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Technology Name	Technology Version	Packages and Link to License Text
jsonpatch	1.13	library/python/jsonpatch-27
jsonpath-rw	1.4.0	library/python/jsonpath-rw-27
jsonpointer	1.10	library/python/jsonpointer-27
jsonrplib	0.2.6	library/python/jsonrplib-27
jsonschema	2.0.0	library/python/jsonschema-27
junit	4.11	developer/java/junit
kacst	11.4	system/font/truetype/kacst
kcmd		network/legacy-remote-utilities
keymaster.js	1.0.2	system/install/auto-install/auto-install-common
keystoneauth1	2.4.0	library/python/keystoneauth1-27
keystonemiddleware	4.4.0	library/python/keystonemiddleware-27
kombu	3.0.35	library/python/kombu-27
ksh93	93u+ 2012-08-01	developer/astdev93
lastcomm		system/core-os
lazy-object-proxy	1.2.2	library/python/lazy-object-proxy-27
lcms	1.19	library/lcms
lcms2	2.8	library/lcms2
ldappool	1.0	library/python/ldappool-27
ldtp	2.1.1	system/desktop/ldtp-27
less	530	text/less
lesscpy	0.11.1	library/python/lesscpy-27
lftp	4.7.7	network/ftp/lftp
lgi	0.9.0	library/lua/lgi-52
libFS	1.0.7	x11/library/libfs
libICE	1.0.9	x11/library/libice
libSM	1.2.2	x11/library/libsm
libX11	1.6.5	x11/library/libx11
libXScrnSaver	1.2.2	x11/library/libxscrnsaver
libXau	1.0.8	x11/library/libxau
libXaw	1.0.13	x11/library/toolkit/libxaw7
libXcomposite	0.4.4	x11/library/libxcomposite
libXcursor	1.1.15	x11/library/libxcursor
libXdamage	1.1.4	x11/library/libxdamage
libXdmcp	1.1.2	x11/library/libxdmcp
libXevie	1.0.3	x11/library/libxevie
libXext	1.3.3	x11/library/libxext

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libXfixes	5.0.3	x11/library/libxfixes
libXfont	1.5.4	x11/library/libxfont
libXfont2	2.0.3	x11/library/libxfont2
libXft	2.3.2	x11/library/libxft
libXi	1.7.9	x11/library/libxi
libXinerama	1.1.3	x11/library/libxinerama
libXmu	1.1.2	x11/library/libxmu
libXp	1.0.3	x11/library/libxp
libXpm	3.5.12	x11/library/libxpm
libXpresent	1.0.0	x11/library/libxpresent
libXrandr	1.5.1	x11/library/libxrandr
libXrender	0.9.10	x11/library/libxrender
libXres	1.2.0	x11/library/libxres
libXt	1.1.5	x11/library/toolkit/libxt
libXtst	1.2.3	x11/library/libxtst
libXv	1.0.11	x11/library/libxv
libXvMC	1.0.10	x11/library/libxvmc
libXxf86misc	1.0.3	x11/library/libxxf86misc
libXxf86vm	1.1.4	x11/library/libxxf86vm
libarchive	3.3.1	library/libarchive
libassuan	2.4.3	library/security/libassuan
libbsdmalloc		system/library
libcanberra	0.30	library/desktop/xdg/libcanberra
libchamplain	0.12.15	library/desktop/libchamplain
libconfuse	3.2	library/libconfuse
libcroco	0.6.12	library/libcroco
libdaemon	0.14	library/libdaemon
libdmx	1.1.3	x11/library/libdmx
libdnet	1.12	system/library/libdnet
libdrm	2.4.67	x11/library/libdrm
libedit	20150325-3.1	library/libedit
libee	0.4.1	library/libee
libepoxy	1.4.0	x11/library/libepoxy
liberation-fonts-ttf	1.07.2	system/font/truetype/liberation
libestr	0.1.10	library/libestr
libevent	2.0.22	library/libevent

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libexif	0.6.21	image/library/libexif
libexpat	2.2.5	library/expat
libffi	3.2.1	library/libffi
libfontenc	1.1.3	x11/library/libfontenc
libfuse	2.7.4	library/libfuse
libgcrypt	1.8.1	system/library/security/libgcrypt
libgdata	0.17.7	library/desktop/libgdata
libgee	0.20.0	library/desktop/libgee
libgpg-error	1.27	library/security/libgpg-error
libgsf	1.14.41	library/desktop/libgsf
libgtop	2.36.0	library/libgtop
libgweather	3.24.0	library/desktop/libgweather
libgxps	0.2.5	library/desktop/libgxps
libibmad	1.3.12	network/open-fabrics
libibumad	1.3.10.2	network/open-fabrics
libibverbs	1.1.4	network/open-fabrics
libical	1.0.1	library/libical
libidn	1.34	library/libidn
libidn2	2.0.4	library/libidn2
libinetutil		system/library
libipt	1.5.0	developer/debug/mdb
libkmf		system/library
libksba	1.3.5	library/security/libksba
liblogging	1.0.5	library/liblogging
liblouis	3.5.0	library/liblouis
libmediaart	1.9.1	library/gnome/libmediaart
libmemcached	1.0.18	library/libmemcached
libmicrohttpd	0.9.52	library/libmicrohttpd
libmlx4	1.0.1	network/open-fabrics
libmng	1.0.10	library/graphics/libmng
libmp		system/library
libmusicbrainz	5.1.0	library/audio/libmusicbrainz5
libneon	0.30.1	library/neon
libnet	1.1.5	system/library/libnet
libnotify	0.7.7	library/desktop/libnotify
liboauth	1.0.3	library/liboauth

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libogg	1.2.2	codec/libogg
libomp	20151009	library/libiomp5
libotr	4.1.1	communication/im/libotr
libpcap	1.8.1	system/library/libpcap
libpciaccess	0.13.4	diagnostic/scanpci
libpeas	1.20.0	library/desktop/libpeas
libpki	0.8.9	library/security/ocsp/libpki
libpng	1.0.67	image/library/libpng10
libpng	1.2.57	image/library/libpng12
libpng	1.4.20	image/library/libpng14
libproxy	0.4.11.1	library/libproxy
libpthread-stubs	0.3	x11/library/libpthread-stubs
librabbitmq	1.6.1	library/python/librabbitmq-27
librdmacm	1.0.14.1	network/open-fabrics
libresolv2		system/library
librstp	1.1.02	network/bridging
librsvg	2.40.16	image/library/librsvg
librsync	0.9.7	library/librsync
libsdp	1.1.108	network/open-fabrics
libsecret	0.18.5	library/gnome/libsecret
libsigsegv	2.10	library/libsigsegv
libsndfile	1.0.28	library/libsndfile
libsoup	2.57.1	library/libsoup
libspectre	0.2.8	library/libspectre
libssh2	1.7.0	library/libssh2
libtasn1	4.13	library/libtasn1
libtecla	1.6.1	library/libtecla
libtheora	1.1.1	codec/libtheora
libtiff	4.0.9	image/library/libtiff
libtool	2.4.6	developer/build/libtool
libtorrent	0.13.6	library/libtorrent
libusb	1.0.21	library/libusb-1
libusb-wrapper	0.1.8	system/library/usb/libusb
libuuid	1.0	system/library
libvdpau	1.1.1	library/graphics/libvdpau
libvisual	0.4.0	library/desktop/libvisual

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libvisual-plugins	0.4.0	library/desktop/libvisual-plugins
libvorbis	1.3.6	codec/libvorbis
libvpx	1.7.0	codec/libvpx
libwebp	1.0.0	image/library/libwebp
libwnck3	3.20.1	library/desktop/libwnck3
libxcb	1.12	x11/library/libxcb
libxkbcommon	0.5.0	x11/library/libxkbcommon
libxkbfile	1.0.9	x11/library/libxkbfile
libxklavier	5.0	library/desktop/libxklavier
libxml2	2.9.5	library/libxml2
libxshmfence	1.2	x11/library/libxshmfence
libxslt	1.1.28	library/libxslt
libzapojit	0.0.3	library/gnome/libzapojit
lighttpd	1.4.41	web/server/lighttpd-14
linecache2	1.0.0	library/python/linecache2-27
links	2.14	web/browser/links
listres	7.7	x11/xt-resource-utilities
llvm	6.0.0	developer/llvm/clang
lndir	1.0.3	file/lndir
locale	11.4	source/locale/localedef
lockfile	0.12.2	library/python/lockfile-27
logilab-common	1.2.2	library/python/logilab-common
logutils	0.3.3	library/python/logutils-27
lohit	20150325	system/font/truetype/lohit
look		text/spelling-utilities
lua	5.2.1	runtime/lua
luit	1.1.1	terminal/luit
lxml	3.6.4	library/python/lxml-27
lynx	2.8.8	web/browser/lynx
lz4		system/file-system/zfs
m4	1.4.18	developer/macro/gnu-m4
mailman	2.1.24.1	mail/mailman
make	4.2.1	developer/build/gnu-make
makedepend	1.0.5	developer/build/makedepend
marionette-collective	2.11.4	system/management/mcollective
mccabe	0.5.2	library/python/mccabe-27

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mcollective-facter-facts	30adc0e	system/management/mcollective
mcollective-package-agent	4.5.0	system/management/mcollective
mcollective-puppet-agent	1.13.0	system/management/mcollective
mcollective-service-agent	3.1.4	system/management/mcollective
mdb		system/kernel
mdns	1.0	service/network/dns/mdns
meld	3.17.2	developer/meld
memcached	1.4.35	service/memcached
memcached-java	2.0.1	library/java/memcached-java
mercurial	4.1.3	developer/versioning/mercurial
mesa	13.0.6	x11/library/mesa
mesa-demos	8.2.0	x11/demo/mesa-demos
mgopen	20050515	system/font/truetype/mgopen
mkfontscale	7.7	x11/font-utilities
mlocate	0.26	file/mlocate
mm-common	0.9.10	library/desktop/c++/mm-common
mock	1.3.0	library/python/mock-27
mod_dtrace	0.3.1	web/server/apache-24/module/apache-dtrace
mod_fcgid	2.3.9	web/server/apache-24/module/apache-fcgid
mod_gss	1.3.8	service/network/ftp
mod_jk	1.2.42	web/server/apache-24/module/apache-jk
mod_perl	2.0.10	web/server/apache-24/module/apache-perl
mod_wsgi	4.5.1	web/server/apache-24/module/apache-wsgi-27
modsecurity	2.9.2	web/server/apache-24/module/apache-security
monotonic	0.6	library/python/monotonic-27
mousetweaks	3.12.0	gnome/accessibility/mousetweaks
mozjs	38.2.1	library/libmozjs-38
mpathd		system/network
mpc	0.9	library/mpc
mpc	1.0.3	library/mpc
mrtg	2.17.4	diagnostic/mrtg
msgpack-python	0.4.7	library/python/msgpack-27
mt		system/core-os
mtr	0.86	network/mtr
mutt	1.9.1	mail/mutt
mutter	3.24.1	gnome/window-manager/mutter

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mysql	5.7.22	database/mysql-57
nano	2.9.3	editor/nano
nautilus	3.24.0	gnome/file-manager/nautilus
nautilus-sendto	3.8.2	gnome/file-manager/nautilus/extension/nautilus-sendto
ncftp	3.2.6	network/ftp/ncftp
ncurses	6.0.0.20170708	library/ncurses
net-snmp	5.7.3	library/python/net-snmp-27
net80211	1.43	system/kernel
netaddr	0.7.18	library/python/netaddr-27
netcat	1.89	network/netcat
netifaces	0.10.4	library/python/netifaces-27
netlink		system/kernel
netlink	67a7848	system/header
nettle	3.2	library/security/nettle
networkx	1.11	library/python/networkx
nghttp2	1.27.0	library/nghttp2
nicstat	1.95	diagnostic/nicstat
nmap	7.60	diagnostic/nmap
noVNC	0.6.2	web/novnc
nose	1.3.7	library/python/nose
nose-cover3	0.1.0	library/python/nose-cover3-27
nspr	4.19	library/nspr
nss	3.36.1	library/security/nss
ntfsprogs	2.0.0	system/file-system/ntfsprogs
ntp	4.2.8p11	service/network/ntp
numpy	1.14.2	library/python/numpy-27
oauthlib	1.0.3	library/python/oauthlib-27
ocaml	3.11.2	runtime/ocaml
oclock	1.0.3	x11/oclock
omp_collector_api.h		system/library/openmp
onig	6.1.1	library/oniguruma
openca-ocspd	3.1.2	library/security/ocsp/openca-ocspd
openexr	2.2.0	library/openexr
openjade	1.3.2	developer/documentation-tool/openjade
openjpeg	2.3.0	image/library/openjpeg2
openldap	2.4.45	service/network/ldap/openldap

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openscap	1.2.9	library/perl-5/openscap-522
opensm	3.3.19	network/open-fabrics
opensp	1.5.1	developer/documentation-tool/opensp
openssh	7.5p1	network/ssh
openssl	1.0.0	system/kernel/crypto
openssl	1.0.2o	library/security/openssl
openssl-fips-140	1.0.2o	library/security/openssl/openssl-fips-140
openstacksdk	0.8.2	library/python/openstacksdk-27
openusb	1.1.11	system/library/usb/openusb
orc	0.4.27	library/desktop/orc
orca	3.18.2	gnome/accessibility/orca
os-client-config	1.16.0	library/python/os-client-config-27
oslo.concurrency	3.7.1	library/python/oslo.concurrency-27
oslo.config	3.9.0	library/python/oslo.config-27
oslo.context	2.2.0	library/python/oslo.context-27
oslo.i18n	3.5.0	library/python/oslo.i18n-27
oslo.log	3.3.0	library/python/oslo.log-27
oslo.messaging	4.6.1	library/python/oslo.messaging-27
oslo.middleware	3.8.0	library/python/oslo.middleware-27
oslo.serialization	2.4.0	library/python/oslo.serialization-27
oslo.service	1.8.0	library/python/oslo.service-27
oslo.utils	3.8.0	library/python/oslo.utils-27
osprofiler	1.2.0	library/python/osprofiler-27
ovs		system/kernel
ovs	2.6.1	system/header
p11-kit	0.23.2	library/desktop/p11-kit
p7zip	16.02-3	compress/p7zip
pam_pkcs11	0.6.8	library/security/pam/module/pam-pkcs11
pango	1.40.4	library/desktop/pango
pangomm	2.40.1	library/desktop/c++/pangomm
paps	11.4	print/paps
parallel	0.2017.7.22	shell/parallel
paramiko	2.0.8	library/python/paramiko-27
parted	2.3	system/storage/parted
patch	2.7.6-1	text/gnu-patch
patchutils	0.3.4	text/patchutils

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pathlib	1.0.1	library/python/pathlib-27
patricia		system/kernel
pbr	1.8.1	library/python/pbr-27
pbzip2	1.1.13	compress/pbzip2
pcfs		system/file-system/pcfs
pci.ids	2018.06.18	system/data/hardware-registry
pconsole	1.0	terminal/pconsole
pcre	8.41	library/pcre
pcre2	10.30	library/pcre2
pcsc-lite	1.8.14	library/security/pcsc/pcsc-lite
pdsh	2.33	shell/pdsh
pep8	1.7.0	library/python/pep8-27
perftest	1.3.0	network/open-fabrics
perl	5.22.1.1	runtime/perl-522
perl	5.26.2	runtime/perl-526
pf	5.5	network/firewall
pflogd	5.5	network/firewall/firewall-pflog
php	5.6.36	web/php-56
php	7.1.17	web/php-71
pidgin	2.12.0	communication/im/pidgin
pidgin-gnome-keyring	2.0	communication/im/pidgin-gnome-keyring
pidgin-otr	4.0.2	communication/im/pidgin-otr
pigz	2.3.4	compress/pigz
pika	0.10.0	library/python/pika-27
pika-pool	0.1.3	library/python/pika-pool-27
pinentry	0.9.7	security/pinentry
pip	8.1.1	library/python/pip-27
pixman	0.34.0	library/graphics/pixman
pixz	1.0.6	compress/pixz
pkcs11	2.40	system/header
pkcs11_tpm	2.2.6	system/library/security/pkcs11_tpm
pkg-config	0.29	developer/build/pkg-config
pkgbuild	1.3.105	package/pkgbuild
ply	3.8	library/python/ply-27
pmttools	2.0.0	library/perl-5/pmttools-522
policykit		system/library/policykit

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polkit	0.113	system/library/polkit
poppler	0.57.0	desktop/pdf-viewer/poppler
poppler-data	0.4.7	desktop/pdf-viewer/poppler
popt	1.16	library/popt
portfp		system/library
portgen		system/library
positional	1.0.1	library/python/positional-27
posix_ipc	1.0.0	library/python/posix_ipc-27
postfix	3.2.2	service/network/smtp/postfix
ppp	2.4	legacy/system/network/ppp
pppdump	2.4.0	legacy/source/network/pppdump
privoxy	3.0.26	web/proxy/privoxy
procmail	3.22	mail/procmail
procps-ng	3.3.12	shell/watch
proftpd	1.3.6	service/network/ftp
psutil	1.2.1	library/python/psutil-27
psutils	p17	print/psutils
pth	2.0.7	library/pth
pulseaudio	9.0	library/audio/pulseaudio
puppet	5.5.0	system/management/puppet
puppet-rabbitmq	8.0.0	system/management/puppet/puppetlabs-rabbitmq
puppet-staging	3.0.0	system/management/puppet/puppet-staging
puppetlabs-apache	2.3.0	system/management/puppet/puppetlabs-apache
puppetlabs-concat	4.1.1	system/management/puppet/puppetlabs-concat
puppetlabs-inifile	2.1.0	system/management/puppet/puppetlabs-inifile
puppetlabs-mysql	5.1.0	system/management/puppet/puppetlabs-mysql
puppetlabs-ntp	7.0.0	system/management/puppet/puppetlabs-ntp
puppetlabs-rsync	1.0.0	system/management/puppet/puppetlabs-rsync
puppetlabs-stdlib	4.23.0	system/management/puppet/puppetlabs-stdlib
pv	1.6.6	shell/pipe-viewer
pwgen	2.08	crypto/pwgen
py	1.4.31	library/python/py-27
py2cairo	1.8.10	library/python/pycairo-27
pyOpenSSL	16.2.0	library/python/pyopenssl-27
pyScss	1.3.4	library/python/pyscss-27
pyasn1	0.4.2	library/python/pyasn1-27

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pyasn1-modules	0.2.1	library/python/pyasn1-modules-27
pyatspi	2.18.0	library/python/pyatspi2-27
pybonjour	1.1.1	library/python/pybonjour-27
pycadf	2.2.0	library/python/pycadf
pycairo	1.10.0	library/python/pycairo
pycountry	0.17	library/python/pycountry-27
pycparser	2.14	library/python/pycparser-27
pycups	1.9.46	library/python/pycups-27
pycurl	7.43.0	library/python/pycurl
pydns	2.3.6	library/python/pydns-27
pyflakes	0.8.1	library/python/pyflakes-27
pygobject	2.28.6	library/python/pygobject-27
pygobject	3.24.1	library/python/pygobject-3
pygtk	2.24.0	library/python/pygtk2-27
pylint	1.6.4	developer/python/pylint
pymemcache	1.3.5	library/python/pymemcache-27
pyparsing	2.1.4	library/python/pyparsing-27
pyrabbit	1.1.0	library/python/pyrabbit-27
pysmi	0.0.7	library/python/pysmi-27
pysnmp	4.3.2	library/python/pysnmp-27
pytest	2.9.1	library/python/pytest-27
pytest-capturelog	0.7	library/python/pytest-capturelog-27
pytest-codecheckers	0.2	library/python/pytest-codecheckers-27
pytest-cov	2.2.1	library/python/pytest-cov-27
python-ceilometerclient	2.4.0	library/python/ceilometerclient-27
python-dateutil	2.5.3	library/python/dateutil-27
python-editor	1.0	library/python/python-editor-27
python-keystoneclient	2.3.1	library/python/keystoneclient-27
python-ldap	2.4.25	library/python/python-ldap-27
python-memcached	1.57	library/python/python-memcached-27
python-mimeparse	1.5.2	library/python/python-mimeparse-27
python-neutronclient	4.1.2	library/python/neutronclient-27
python-quantumclient	2.2.4.3	library/python/quantumclient-27
python-swiftclient	3.0.0	library/python/swiftclient
pytz	2016.4	library/python/pytz-27
pywbem	0.7.0	library/python/pywbem

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qpdf	7.0.0	print/qpdf
qperf	0.4.9	network/open-fabrics
quagga	0.99.19	system/network/routing/quagga
quilt	0.65	developer/quilt
qunit	1.23.1	library/javascript/qunit
rabbitmq-server	3.6.9	network/amqp/rabbitmq
racoona2	1.38	system/network/ike
raphael	2.2.7	library/javascript/raphael
rcp		network/legacy-remote-utilities
rcssmin	1.0.6	library/python/rcssmin
rdesktop	1.6.0	desktop/remote-desktop/rdesktop
rdiff-backup	1.3.3	backup/rdiff-backup
rds-tools	2.0.4	network/open-fabrics
re2c	0.16	developer/parser/re2c
readline	5.2	library/readline
readline	6.3	library/readline
repoze.lru	0.6	library/python/repoze.lru-27
requests	2.9.1	library/python/requests-27
requests-aws	0.1.8	library/python/requests-aws-27
requestsexceptions	1.1.3	library/python/requestsexceptions-27
rest	0.8.0	library/desktop/librest
retrying	1.3.3	library/python/retrying-27
rjsmin	1.0.12	library/python/rjsmin
rlogind		service/network/legacy-remote-utilities
route		system/network
routed.bsd		system/network/routing
rpdb	0.1.6	library/python/rpdb-27
rpm2cpio	1.3	package/rpm
rrdtool	1.6.0	image/rrdtool
rsh		network/legacy-remote-utilities
rsync	3.1.2	network/rsync
rsyslog	8.15.0	system/rsyslog
rtorrent	0.9.6	network/rtorrent
rts		system/kernel
ruby	2.1.6	runtime/ruby-21/ruby-tk
ruby	2.3.1	runtime/ruby-23/ruby-tk

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ruby-augeas	0.5.0	library/ruby/augeas
rum	1.13.2.1	driver/network/wlan/rum
samba	4.7.6	service/network/samba
saz-memcached	3.0.2	system/management/puppet/saz-memcached
sbsigntool	0.6	developer/sbsigntool
scons	2.5.1	developer/build/scons
scp	0.10.2	library/python/scp-27
screen	4.6.1	terminal/screen
script		system/core-os
seahorse	3.18.0	gnome/security/seahorse
sed	4.4	text/gnu-sed
sendmail	8.14.9	mail/mail.local
sendmail	8.15.2	library/libmilter
serf	1.3.9	library/libserf
sessreg	1.1.1	x11/session/sessreg
setuptools	19.2	library/python/setuptools-27
setuptools-git	1.1	library/python/setuptools-git-27
setxkbmap	7.7	x11/keyboard/xkb-utilities
sg3_utils	1.42	system/storage/sg3_utils
sgml-common	0.6.3	data/sgml-common
shared-mime-info	1.8	data/shared-mime-info
shim	0.9	boot/shim
sigcpp	2.10.0	library/c++/sigcpp
sil	11.4	system/font/truetype/sil
simplegeneric	0.8.1	library/python/simplegeneric-27
simplejson	3.6.5	library/python/simplejson-27
singledispatch	3.4.0.3	library/python/singledispatch-27
six	1.10.0	library/python/six-27
smartmontools	6.5	system/storage/smartmontools
smbfs	1.4.5	system/file-system/smb
smp_utils	0.98	system/storage/smp_utils
smproxy	1.0.6	x11/session/smproxy
snappy	1.1.3	library/snappy
snia-hbaapi	2.0	system/library/storage/snia-hbaapi
snia-ima	1.0	system/library/storage/snia-ima
snia-mpapi	1.1	system/library/storage/snia-mpapi

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snort	2.9.9.0	diagnostic/snort
source-code-pro	20150707	system/font/truetype/source-code-pro
source-sans-pro	20150831	system/font/truetype/source-sans-pro
spawn-fcgi	1.6.3	web/fastcgi/spawn-fcgi
speech-dispatcher	0.8.6	library/desktop/speech-dispatcher
speex	1.2	codec/speex
sqlite	3.21.0	database/sqlite-3
sqlparse	0.1.19	library/python/sqlparse-27
squid	3.5.27	web/proxy/squid
sscanf		system/kernel
startup-notification	0.12	library/desktop/startup-notification
stdcxx	4.2.1	library/c++/stdcxx
stevedore	1.12.0	library/python/stevedore-27
stomp	1.4.4	library/ruby/stomp
stunnel	5.35	service/security/stunnel
subversion	1.9.7	developer/versioning/subversion
sudo	1.8.21.2	security/sudo
suhosin	0.9.38	web/php/extension/php-suhosin-extension-56
sushi	3.23.91	library/gnome/sushi
swift	Mitaka 2.7.0	cloud/openstack/swift
swig	3.0.12	developer/swig
t11-sm-hba	1.0	system/library/storage/t11-sm-hba
taglib	1.11.1	library/audio/taglib
tar	1.29	archiver/gnu-tar
tarfile	2.4	package/pkg
tcl	8.6.7	runtime/tcl-8
tcp-wrapper	7.6	security/tcp-wrapper
tcpdump	4.9.2	diagnostic/tcpdump
tcsh	6.20.0	shell/tcsh
telepathy-glib	0.24.1	library/telepathy-glib
telepathy-logger	0.8.2	library/telepathy-logger
telnet		network/telnet
terminfo		system/data/terminfo
termio		system/kernel
testresources	1.0.0	library/python/testresources-27
testscenarios	0.5.0	library/python/testscenarios-27

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testtools	2.0.0	library/python/testtools-27
texi2html		text/texinfo
texinfo		text/texinfo
text-utilities	2.29	text/text-utilities
thai-scalable	11.4	system/font/truetype/thai-scalable
thunderbird	52.8.0	mail/thunderbird
tidy	5.4.0	text/tidy
tigervnc	1.7.1	desktop/remote-desktop/tigervnc
timers		system/kernel
tip		system/core-os
tk	8.6.7	runtime/tk-8
tmux	2.2	terminal/tmux
tomcat	8.5.28	web/java-servlet/tomcat-8
top	3.8beta1	diagnostic/top
totem	3.24.0	gnome/media/totem
totem-pl-parser	3.10.7	library/media-player/totem-pl-parser
tox	2.3.1	library/python/tox-27
traceback2	1.4.0	library/python/traceback2-27
traceroute	1.3.2	system/network
tracker	1.6.0	library/desktop/search/tracker
transset	1.0.1	x11/transset
tree	1.7.0	file/tree
trollius	2.1	library/python/trollius-27
trousers	0.3.13	library/security/trousers
ttf-bitstream-vera	1.10	system/font/truetype/bitstream-vera
twm	1.0.9	desktop/window-manager/twm
uath	1.3	driver/network/wlan/uath
udfs		system/file-system/udfs
ufs		system/file-system/ufs
uhttpmock	0.5.1	library/uhttpmock
ul		text/doctools
unfonts-ko-core	11.4	system/font/truetype/unfonts-ko-core
unfonts-ko-extra	11.4	system/font/truetype/unfonts-ko-extra
unicode	5.0	system/kernel
unicodcsv	0.14.1	library/python/unicodcsv-27
unifont	11.4	system/font/truetype/unifont

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units		system/core-os
unixODBC	2.3.4	library/unixodbc
unrar	5.5.7	archiver/unrar
unzip	610c23	compress/unzip
upower	0.99.3	system/library/upower
ural	1.70	driver/network/wlan/ural
urllib3	1.15.1	library/python/urllib3-27
urtw	1.23	driver/network/wlan/urtw
usb.ids	2018.05.04	system/data/hardware-registry
util-macros	1.19.0	developer/build/autoconf/xorg-macros
vacation		mail/vacation
vala	0.36.0	developer/vala
vgaarb	1.0.0	driver/x11/xsvc
vgrind		text/doctools
vi		developer/base-developer-utilities
vim	8.0.711	editor/gvim
vinagre	3.16.0	desktop/remote-desktop/vinagre
vino	3.22.0	desktop/remote-desktop/vino
virtualenv	15.0.1	library/python/virtualenv-27
vmstat		system/core-os
vte	0.42.1	library/gnome/vte3
waitress	0.9.0	library/python/waitress-27
warlock	1.2.0	library/python/warlock-27
wdiff	1.2.2	text/wdiff
webalizer	2.23-08	web/analytics/webalizer
webkitgtk	2.18.4	library/desktop/webkitgtk4
wget	1.19.5	web/wget
which		system/core-os
which	2.21	shell/which
wireshark	2.6.1	diagnostic/wireshark
wpa	0.2.5	service/network/wpa
wqy-zenhei	11.4	system/font/truetype/wqy-zenhei
wrapt	1.10.6	library/python/wrapt-27
wxWidgets	3.0.3	library/graphics/wxwidgets
x11perf	1.6.0	benchmark/x11perf
xattr	0.9.3	library/python/xattr-27

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xauth	1.0.10	x11/session/xauth
xbitmaps	1.1.1	x11/data/xbitmaps
xcb-util	0.4.0	x11/library/xcb-util
xcb-util-cursor	0.1.3	x11/library/xcb-util
xcb-util-errors	1.0	x11/library/xcb-util
xcb-util-image	0.4.0	x11/library/xcb-util
xcb-util-keysyms	0.4.0	x11/library/xcb-util
xcb-util-renderutil	0.3.9	x11/library/xcb-util
xcb-util-wm	0.4.1	x11/library/xcb-util
xclipboard	1.1.3	x11/xclipboard
xclock	1.0.7	x11/xclock
xcompmgr	1.1.7	desktop/window-manager/xcompmgr
xconsole	1.0.7	x11/xconsole
xcursor-themes	1.0.4	x11/data/xcursor-themes
xcursorgen	1.0.6	image/xcursorgen
xdebug	2.5.1	web/php/extension/php-xdebug-56
xdg-utils	1.1.1	desktop/xdg/xdg-utils
xdm	1.1.9	system/display-manager/xdm
xdpyinfo	7.7	x11/diagnostic/x11-info-clients
xev	1.2.2	x11/diagnostic/xev
xf86-input-keyboard	1.9.0	x11/server/xorg/driver/xorg-input-keyboard
xf86-input-mouse	1.9.2	x11/server/xorg/driver/xorg-input-mouse
xf86-input-synaptics	1.9.0	x11/server/xorg/driver/xorg-input-synaptics
xf86-input-vmmouse	13.1.0	x11/server/xorg/driver/xorg-input-vmmouse
xf86-input-void	1.4.1	x11/server/xorg/driver/xorg-input-void
xf86-video-ast	1.1.5	x11/server/xorg/driver/xorg-video-ast
xf86-video-ati	7.8.0	x11/server/xorg/driver/xorg-video-ati
xf86-video-cirrus	1.5.3	x11/server/xorg/driver/xorg-video-cirrus
xf86-video-dummy	0.3.8	x11/server/xorg/driver/xorg-video-dummy
xf86-video-intel	2.99.917	x11/server/xorg/driver/xorg-video-intel
xf86-video-mach64	6.9.5	x11/server/xorg/driver/xorg-video-mach64
xf86-video-mga	1.6.5	x11/server/xorg/driver/xorg-video-mga
xf86-video-openchrome	0.6.0	x11/server/xorg/driver/xorg-video-openchrome
xf86-video-r128	6.10.2	x11/server/xorg/driver/xorg-video-r128
xf86-video-vboxvideo	1.0.0	x11/server/xorg/driver/xorg-video-vboxvideo
xf86-video-vesa	2.3.4	x11/server/xorg/driver/xorg-video-vesa

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xf86-video-vmware	13.2.1	x11/server/xorg/driver/xorg-video-vmware
xfd	1.1.2	x11/xfd
xfontsel	1.0.5	x11/xfontsel
xf86	1.1.4	x11/xf86
xhost	7.7	x11/x11-server-utilities
xinit	1.3.4	x11/session/xinit
xkbcomp	1.3.1	x11/keyboard/xkbcomp
xkeyboard-config	2.16	x11/keyboard/xkeyboard-config
xkill	1.0.4	x11/xkill
xload	1.1.2	diagnostic/xload
xlock	11.4	x11/xlock
xlogo	7.7	x11/demo
xmag	1.0.6	x11/xmag
xmto	0.0.28	developer/documentation-tool/xmto
xorg-docs	1.7.1	x11/documentation/xorg-docs
xorg-server	1.19.5	x11/modeline-utilities
xorriso	1.4.8	media/xorriso
xproto	7.7	x11/header/x11-protocols
xscope	1.4.1	x11/diagnostic/xscope
xscreensaver	5.39	desktop/xscreensaver
xstdcmap	7.7	x11/colormap-utilities
xstr		system/core-os
xterm	0.333	terminal/resize
xterm	333	terminal/xterm
xtrans	1.3.5	x11/library/xtrans
xwd	1.0.6	x11/x11-window-dump
xz	5.2.3	compress/xz
yasm	1.3.0	developer/yasm
yelp	3.22.0	gnome/help-viewer/yelp
yelp-tools	3.18.0	library/gnome/yelp-tools
yelp-xsl	3.20.1	library/gnome/yelp-xsl
zenity	3.24.0	gnome/zenity
zip	3.0	compress/zip
zlib	1.2.11	library/zlib
zope.interface	4.3.2	library/python/python-zope-interface-27
zsh	5.3.1	shell/zsh

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zyd	0.1.3.1	driver/network/wlan/zyd