

**Licensing Information User Manual
Oracle® SuperCluster M8 and
SuperCluster M7**

ORACLE®

Part No: E67655-15
December 2020

Part No: E67655-15

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◆◆◆ CHAPTER 1

Introduction

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◆◆◆ CHAPTER 2

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TABLE 1 Third Party Licenses and Notices

Technology Name	Technology Version
American English Dictionary	0.20040623
App-ClusterSSH	4.09
Authen-PAM	0.16
Babel	2.3.4
Backbone.js	0.9.2
Brazilian Portuguese Dictionary	2700g
CACKey	0.7.4
CDE	1.0.10
CGI	4.37
CLDR	28
Cheetah	2.4.4
CherryPy	5.1.0
ConsoleKit	0.4.1
Cracklib	2.7
Csh	
Cython	0.28.2
DBD-SQLite	1.50
DBD-mysql	4.042
DBI	1.636
DTraceToolkit	0.99
Django	1.11.1
FormEncode	1.3.0
French Dictionary	1.0.1
GConf	3.2.6
GMP	
GRUB2	2.00
German Dictionary	0.20051213
HAL (Hardware Abstraction Layer)	0.5.4
HKSCS	2008
ICU	3.6
ISO/IEC	10646-1:1993
ImageMagick	6.9.9-40
Imaging	1.1.7
Italian Dictionary	2.3
Jinja2	2.8

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Technology Name	Technology Version
Kerberos	1.16.0
LZMA SDK	4.62
Locale definition info from IEEE Std 1003.2-1992 v. Year 1992	1003.2-1992
M2Crypto	0.24.0
MPFR	
Mako	1.0.4
Markdown	2.6.6
MarkupSafe	0.23
MiniSAT	1.14.1
MySQL-python	1.2.5
NDMP SDK	
Net-SSLeay	1.80
Netscape Communications	
Open Fabrics kernel components	1.5.3
PAPI	3.5
PTP	
Paste	2.0.3
PasteDeploy	1.5.2
PowerTOP	1.2
PrettyTable	0.7.2
PyYAML	3.11
Pygments	2.1.3
Python	2.7.14
Python	3.4.8
Python	3.5.3
RSA	4
Reliable Datagram Sockets (RDSv3)	1.3
RequireJS	2.0.5
RequireJS i18n plugin	2.0.1
RequireJS text plugin	2.0.3
Routes	2.3.1
Ruby	2.1.6
Ruby	2.3.1
RubyGems	2.7.6
SDL	1.2.15
SQLAlchemy	1.0.12

Technology Name	Technology Version
SQLite	2.8.15
Solarflare	
Spanish Dictionary	0.1
Tempita	0.5.1
The Open Group Technical Standard Portable Layout Services: Context-dependent and Directional Text - ISBN 1-85912-142-X	1-85912-142-X
Tk	804.33
Twisted	10.1.0
TwistedWeb2	8.1.0
Underscore.js	1.3.3
Unicode	8.0
V4L2 API definition header files	V4L2 in Linux 3.14
WebOb	1.5.1
WebTest	2.0.21
X11-Protocol	0.56
XML-LibXML	2.0128
XML-NamespaceSupport	1.11
XML-Parser	2.44
XML-SAX	0.99
XML-SAX-Base	1.08
XML-Simple	2.24
Xen PV Drivers	Xen 3.0.4-1
a2ps	4.14
aac	2.2.3
aalib	1.4rc5
accerciser	3.14.0
accessx	11.4
accountsservice	0.6.40
acpica	20140325
acpidump	20071116
adwaita-icon-theme	3.24.0
agpgart	0.9.1
aioeventlet	0.5.1
amqp	1.4.9
anonymous-pro	11.4
ant	1.10.1

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Technology Name	Technology Version
antlr	2.7.7
anyjson	0.3.3
apache2	2.4.33
appdirs	1.4.0
apr	1.5.2
apr	1.6.3
apr-util	1.5.4
apr-util	1.6.1
arabeyes	11.4
arn	1.0
arp	
arphic-ukai	11.4
arphic-uming	11.4
asciidoc	8.6.9
asn1crypto	0.24.0
aspell	0.60.6.1
astroid	1.4.8
at-spi2-atk	2.24.0
at-spi2-core	2.24.0
atk	2.24.0
atkmm	2.24.2
atu	1.92
augeas	1.8.1
autoconf	2.13
autoconf	2.69
automake	1.10
automake	1.11.2
automake	1.15
avahi	0.7
background-logo-extension	3.24.0
backup	
baekmuk	11.4
baobab	3.18.1
bash	4.4.19.19
beautifulsoup4	4.2.1
bge	1.91.2.32.2.1

Technology Name	Technology Version
bib	
bind	9.10.6-P1
binutils	2.30-1
bison	3.0.4
bitmap	1.0.8
bnu	
boto	2.40.0
bpf	4.3BSD
bpg-georgian	11.4
brlty	5.4
bzip2	1.0.6
cachetools	1.1.5
cairo	1.14.8
cairomm	1.12.2
cantarell-fonts	0.0.25
caribou	0.4.21
ccid	1.4.20
cdrtools	3.01
ffi	1.11.4
check	0.11.0
checkeq	
chrome-gnome-shell	10.1
cliff	2.0.0
cloog	0.18.4
cloudbase-init	0.9.9
clutter	1.26.0
clutter-gst	2.0.16
clutter-gst	3.0.22
clutter-gtk	1.8.2
cmake	3.9.1
cmd2	0.6.8
cogl	1.22.2
colord	1.1.8
colord-gtk	0.1.26
compress	
conflict	20150705

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Technology Name	Technology Version
constype	1.0.4
contextlib2	0.5.1
convmv	2.3
coolkey	1.1.0
coreutils	8.27
cov-core	1.15.0
coverage	4.0.3
cppunit	1.13.2
cron	
croscorefonts	11.4
cryptography	2.1.4
cssutils	1.0.1
cups	1.4.5
curl	7.60.0
cvs	1.12.13
cyrus-sasl	2.1.26
d2to1	0.2.12
d3	4.4.4
daq	2.0.6
dbus	1.10.22
dbus-glib	0.102
dbus-python	1.2.0
dconf	0.26.0
dconf-editor	3.18.0
debtcollector	1.3.0
decorator	4.0.10
dejagnum	1.6
dejavu-fonts-ttf	2.37
desktop-file-utils	0.23
devhelp	3.18.0
diffstat	1.61
diffutils	3.6
django-appconf	1.0.2
dnsmasq	2.78
dnspython	1.12.0
docbook	1.0

Technology Name	Technology Version
docbook-dsssl	1.79
docbook-xsl	1.75.2
dogpile.cache	0.5.7
dogpile.core	0.4.1
dotconf	1.3
doxygen	1.8.13
drm	1.6
dulwich	0.19.2
dwarf	0.2016.11.24
EEPROM	
emacs	25.2
enchant	1.6.0
enscript	1.6.6
enum34	1.1.6
eog	3.24.0
eog-plugins	3.16.3
erlang	19.3
espeak	1.44.05
eventlet	0.18.4
evince	3.25.4
evolution-data-server	3.24.0
exempi	2.4.4
expect	5.45
extras	0.0.3
facter	2.5.1
fasteners	0.14.1
fetchmail	6.3.26
fftw	3.3.5
file-roller	3.24.0
filechunkio	1.6
findutils	4.6.0
firefox	52.9.0
fixtures	1.4.0
flac	1.3.2
flex	2.6.4
fltk	1.3.4

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Technology Name	Technology Version
folks	0.11.3
font-adobe-100dpi	7.7
font-bh-ttf	1.0.3
font-daewoo-misc	1.0.3
font-isas-misc	1.0.3
font-jis-misc	1.0.3
font-misc-cyrillic	1.0.4
font-misc-ethiopic	1.0.3
font-misc-meltho	1.0.3
fontconfig	2.12.1
foomatic-db	4.0.20160721
foomatic-db-engine	4.0.12.20160721
foomatic-filters	4.0.17.20160212
foomatic-filters-ppds	0.2008.8.18
fping	3.16
freefont	20120503
freeglut	2.8.1
freetype	2.9.1
fstobdf	7.7
ftp	
ftp-proxy	5.5
fts	1.22
funcsigs	0.4
futures	3.0.5
futurist	0.13.0
gSOAP	2.7.17
gamin	0.1.10
gawk	4.1.4
gcc	5.5.0
gcc	7.3.0
gcr	3.20.0
gd	2.2.5
gdb	8.0
gdbm	1.8.3
gdk-pixbuf	2.36.11
gdm	3.24.2

Technology Name	Technology Version
gedit	3.18.2
gedit-plugins	3.18.0
genders	1.22
gentium	11.4
geoclue	2.4.7
geocode-glib	3.23.90
getopt	1.1.6
getopt_long	
gettext	0.19.8
gettext	1.0.7
ghostscript	9.22
ghostscript-fonts-std	8.11
git	2.15.2
gjs	1.48.0
glade	3.16.0
gladman	04-03-08
glib	2.52.0
glib-networking	2.50.0
glibmm	2.50.0
glu	9.0.0
gmime	2.6.23
gnome-autoar	0.2.2
gnome-backgrounds	3.24.0
gnome-calculator	3.24.0
gnome-calendar	3.24.0
gnome-clocks	3.18.0
gnome-common	3.18.0
gnome-control-center	3.24.0
gnome-desktop	3.24.0
gnome-devel-docs	3.18.1
gnome-doc-utils	0.20.10
gnome-font-viewer	3.23.91
gnome-getting-started-docs	3.24.0
gnome-initial-setup	3.24.0
gnome-keyring	3.20.0
gnome-menus	3.13.3

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Technology Name	Technology Version
gnome-online-accounts	3.24.0
gnome-screenshot	3.22.0
gnome-session	3.24.0
gnome-settings-daemon	3.24.0
gnome-shell	3.24.0
gnome-shell-extensions	3.24.0
gnome-system-monitor	3.24.0
gnome-terminal	3.18.2
gnome-themes-standard	3.22.2
gnome-tweak-tool	3.24.0
gnome-user-docs	3.18.1
gnu-efi	3.0
gnu-gs-fonts-other	6.0
gnupg	2.0.30
gnuplot	5.2.2
gnutls	3.5.16
gobject-introspection	1.52.0
gocr	0.50
golang	1.7.6-1
gom	0.3.2
google-droid-fonts	2013.06.07
gperf	3.1
gpgme	1.6.0
graphviz	2.28.0
greenlet	0.4.9
grep	3.1
grilo	0.3.3
grilo-plugins	0.3.4
groff	1.22.3
gsettings-desktop-schemas	3.24.0
gsl	2.4
gsound	1.0.2
gssdp	1.0.2
gsskex	5.7p1
gsskrbkernel	[1.10, 1.8]
gst-plugins-base	1.10.3

Technology Name	Technology Version
gst-plugins-good	1.10.3
gst-python	1.10.3
gstreamer	1.10.3
gtk-doc	1.25
gtk-engines	2.20.2
gtk-vnc	0.7.0
gtk2	2.24.31
gtk3	3.22.12
gtkmm	2.24.5
gtkmm	3.22.0
gtksourceview	3.24.0
gtkspell	2.0.16
gucharmap	3.18.1
gupnp	1.0.2
gupnp-igd	0.2.4
gutenprint	5.2.13
gvfs	1.32.0
gzip	1.8
hal-cups-utils	0.6.19
harfbuzz	1.0.6
help2man	1.47.4
hexedit	1.2.13
hg-git	0.8.5
hicolor-icon-theme	0.17
hiera	3.4.2
hplip	3.17.10
httping	2.4
httplib2	0.9.2
hwa1480_fw	RC1.3PA2-2
i915	2013Q3
ibus	1.5.13
ibutils	1.5.7
icu	3.6
icu4c	59_1-1
idna	2.0
idnkit	11.4

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Technology Name	Technology Version
ifconfig	
ifparse	
iftop	0.17
ilmbase	2.2.0
imake	1.0.7
indent	2.2.10
indic-fonts-core	11.4
infiniband-diags	1.6.5
iniparse	0.4
intel	
intel-gpu-tools	1.3
intltool	0.51.0
ipaddr	2.1.11
ipaddress	1.0.16
ipafont	11.4
iperf	3.1.7
ipfilter	4.1.9
ipmi	8.0,8.1
ipmitool	1.8.15.0
ipython	0.10
irssi	1.0.7
isc-dhcp	4.3.6-P1
isl	0.18
iso-codes	3.21
iso8601	0.1.11
isort	4.2.5
itstool	2.0.2
iwh	1.0
iwk	1.16
iwp	1.0
jQuery	1.8.0
jansson	2.10
jjv	1.0.2
jpeg	6.0.2
jq	1.6
jsl	0.3.0

Technology Name	Technology Version
json-c	0.12
json-glib	1.2.8
jsonpatch	1.13
jsonpath-rw	1.4.0
jsonpointer	1.10
jsonrpc-lib	0.2.6
jsonschema	2.0.0
junit	4.11
kacst	11.4
kcmbd	
keymaster.js	1.0.2
keystoneauth1	2.4.0
keystonemiddleware	4.4.0
kombu	3.0.35
ksh93	93u+ 2012-08-01
lastcomm	
lazy-object-proxy	1.2.2
lcms	1.19
lcms2	2.8
ldappool	1.0
ldtp	2.1.1
less	530
lesscpy	0.11.1
lftp	4.7.7
lgi	0.9.0
libFS	1.0.7
libICE	1.0.9
libSM	1.2.2
libX11	1.6.5
libXScrnSaver	1.2.2
libXau	1.0.8
libXaw	1.0.13
libXcomposite	0.4.4
libXcursor	1.1.15
libXdamage	1.1.4
libXdmp	1.1.2

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Technology Name	Technology Version
libXevie	1.0.3
libXext	1.3.3
libXfixes	5.0.3
libXfont	1.5.4
libXfont2	2.0.3
libXft	2.3.2
libXi	1.7.9
libXinerama	1.1.3
libXmu	1.1.2
libXp	1.0.3
libXpm	3.5.12
libXpresent	1.0.0
libXrandr	1.5.1
libXrender	0.9.10
libXres	1.2.0
libXt	1.1.5
libXtst	1.2.3
libXv	1.0.11
libXvMC	1.0.10
libXxf86misc	1.0.3
libXxf86vm	1.1.4
libarchive	3.3.1
libassuan	2.4.3
libbsdmalloc	
libcanberra	0.30
libchamplain	0.12.15
libconfuse	3.2
libcroco	0.6.12
libdaemon	0.14
libdmx	1.1.3
libdnet	1.12
libdrm	2.4.67
libedit	20150325-3.1
libee	0.4.1
libepoxy	1.4.0
liberation-fonts-ttf	1.07.2

Technology Name	Technology Version
libestr	0.1.10
libevent	2.0.22
libexif	0.6.21
libexpat	2.2.5
libffi	3.2.1
libfontenc	1.1.3
libfuse	2.7.4
libgcrypt	1.8.1
libgdata	0.17.7
libgee	0.20.0
libgpg-error	1.27
libgsf	1.14.41
libgtop	2.36.0
libgweather	3.24.0
libgxps	0.2.5
libibmad	1.3.12
libibumad	1.3.10.2
libibverbs	1.1.4
libical	1.0.1
libidn	1.34
libidn2	2.0.4
libinetutil	
libipt	1.5.0
libkmf	
libksba	1.3.5
liblogging	1.0.5
liblouis	3.5.0
libmediaart	1.9.1
libmemcached	1.0.18
libmicrohttpd	0.9.52
libmlx4	1.0.1
libmng	1.0.10
libmp	
libmusicbrainz	5.1.0
libneon	0.30.1
libnet	1.1.5

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Technology Name	Technology Version
libnotify	0.7.7
liboauth	1.0.3
libogg	1.2.2
libomp	20151009
libotr	4.1.1
libpcap	1.8.1
libpciaccess	0.13.4
libpeas	1.20.0
libpki	0.8.9
libpng	1.0.67
libpng	1.2.57
libpng	1.4.20
libproxy	0.4.11.1
libpthread-stubs	0.3
librabbitmq	1.6.1
librdmacm	1.0.14.1
libresolv2	
librtp	1.1.02
librsvg	2.40.16
librsync	0.9.7
libsdp	1.1.108
libsecret	0.18.5
libsigsegv	2.10
libsndfile	1.0.28
libsoup	2.57.1
libspectre	0.2.8
libssh2	1.7.0
libtasn1	4.13
libtecla	1.6.1
libtheora	1.1.1
libtiff	4.0.9
libtool	2.4.6
libtorrent	0.13.6
libusb	1.0.21
libusb-wrapper	0.1.8
libuuid	1.0

Technology Name	Technology Version
libvdpau	1.1.1
libvisual	0.4.0
libvisual-plugins	0.4.0
libvorbis	1.3.6
libvpx	1.7.0
libwebp	1.0.0
libwnck3	3.20.1
libxcb	1.12
libxkbcommon	0.5.0
libxkbfile	1.0.9
libxklavier	5.0
libxml2	2.9.5
libxshmfence	1.2
libxslt	1.1.28
libzapojit	0.0.3
lighttpd	1.4.41
linecache2	1.0.0
links	2.14
listres	7.7
llvm	6.0.0
lndir	1.0.3
locale	11.4
lockfile	0.12.2
logilab-common	1.2.2
logutils	0.3.3
lohit	20150325
look	
lua	5.2.1
luit	1.1.1
lxml	3.6.4
lynx	2.8.8
lz4	
m4	1.4.18
mailman	2.1.24.1
make	4.2.1
makedepend	1.0.5

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Technology Name	Technology Version
marionette-collective	2.11.4
mccabe	0.5.2
mcollective-facter-facts	30adc0e
mcollective-package-agent	4.5.0
mcollective-puppet-agent	1.13.0
mcollective-service-agent	3.1.4
mdb	
mdns	1.0
meld	3.17.2
memcached	1.4.35
memcached-java	2.0.1
mercurial	4.1.3
mesa	13.0.6
mesa-demos	8.2.0
mgopen	20050515
mkfontscale	7.7
mlocate	0.26
mm-common	0.9.10
mock	1.3.0
mod_dtrace	0.3.1
mod_fcgid	2.3.9
mod_gss	1.3.8
mod_jk	1.2.42
mod_perl	2.0.10
mod_wsgi	4.5.1
modsecurity	2.9.2
monotonic	0.6
mousetweaks	3.12.0
mozjs	38.2.1
mpathd	
mpc	0.9
mpc	1.0.3
mrtg	2.17.4
msgpack-python	0.4.7
mt	
mtr	0.86

Technology Name	Technology Version
mutt	1.9.1
mutter	3.24.1
mysql	5.7.22
nano	2.9.3
nautilus	3.24.0
nautilus-sendto	3.8.2
ncftp	3.2.6
ncurses	6.0.0.20170708
net-snmp	5.7.3
net80211	1.43
netaddr	0.7.18
netcat	1.89
netifaces	0.10.4
netlink	
netlink	67a7848
nettle	3.2
networkx	1.11
nghttp2	1.27.0
nicstat	1.95
nmap	7.60
noVNC	0.6.2
nose	1.3.7
nose-cover3	0.1.0
nspr	4.19
nss	3.36.1
ntfsprogs	2.0.0
ntp	4.2.8p11
numpy	1.14.2
oauthlib	1.0.3
ocaml	3.11.2
oclock	1.0.3
omp_collector_api.h	
onig	6.1.1
openca-ocspd	3.1.2
openexr	2.2.0
openjade	1.3.2

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Technology Name	Technology Version
openjpeg	2.3.0
openldap	2.4.45
openscap	1.2.9
opensm	3.3.19
opensp	1.5.1
openssh	7.5p1
openssl	1.0.0
openssl	1.0.2o
openssl-fips-140	1.0.2o
openstacksdk	0.8.2
openusb	1.1.11
orc	0.4.27
orca	3.18.2
os-client-config	1.16.0
oslo.concurrency	3.7.1
oslo.config	3.9.0
oslo.context	2.2.0
oslo.i18n	3.5.0
oslo.log	3.3.0
oslo.messaging	4.6.1
oslo.middleware	3.8.0
oslo.serialization	2.4.0
oslo.service	1.8.0
oslo.utils	3.8.0
osprofiler	1.2.0
ovs	
ovs	2.6.1
p11-kit	0.23.2
p7zip	16.02-3
pam_pkcs11	0.6.8
pango	1.40.4
pangomm	2.40.1
paps	11.4
parallel	0.2017.7.22
paramiko	2.0.8
parted	2.3

Technology Name	Technology Version
patch	2.7.6-1
patchutils	0.3.4
pathlib	1.0.1
patricia	
pbr	1.8.1
pbzip2	1.1.13
pcfs	
pci.ids	2018.06.18
pconsole	1.0
pcre	8.41
pcre2	10.30
pcsc-lite	1.8.14
pdsh	2.33
pep8	1.7.0
perftest	1.3.0
perl	5.22.1.1
perl	5.26.2
pf	5.5
pflogd	5.5
php	5.6.36
php	7.1.17
pidgin	2.12.0
pidgin-gnome-keyring	2.0
pidgin-otr	4.0.2
pigz	2.3.4
pika	0.10.0
pika-pool	0.1.3
pinentry	0.9.7
pip	8.1.1
pixman	0.34.0
pixz	1.0.6
pkcs11	2.40
pkcs11_tpm	2.2.6
pkg-config	0.29
pkgbuild	1.3.105
ply	3.8

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Technology Name	Technology Version
pmtools	2.0.0
policykit	
polkit	0.113
poppler	0.57.0
poppler-data	0.4.7
popt	1.16
portfp	
portgen	
positional	1.0.1
posix_ipc	1.0.0
postfix	3.2.2
ppp	2.4
pppdump	2.4.0
privoxy	3.0.26
procmail	3.22
procps-ng	3.3.12
proftpd	1.3.6
psutil	1.2.1
psutils	p17
pth	2.0.7
pulseaudio	9.0
puppet	5.5.0
puppet-rabbitmq	8.0.0
puppet-staging	3.0.0
puppetlabs-apache	2.3.0
puppetlabs-concat	4.1.1
puppetlabs-inifile	2.1.0
puppetlabs-mysql	5.1.0
puppetlabs-ntp	7.0.0
puppetlabs-rsync	1.0.0
puppetlabs-stdlib	4.23.0
pvs	1.6.6
pwgen	2.08
py	1.4.31
py2cairo	1.8.10
pyOpenSSL	16.2.0

Technology Name	Technology Version
pyScss	1.3.4
pyasn1	0.4.2
pyasn1-modules	0.2.1
pyatspi	2.18.0
pybonjour	1.1.1
pycadf	2.2.0
pycairo	1.10.0
pycountry	0.17
pycparser	2.14
pycups	1.9.46
pycurl	7.43.0
pydns	2.3.6
pyflakes	0.8.1
pygobject	2.28.6
pygobject	3.24.1
pygtk	2.24.0
pylint	1.6.4
pymemcache	1.3.5
pyparsing	2.1.4
pyrabbit	1.1.0
pysmi	0.0.7
pysnmp	4.3.2
pytest	2.9.1
pytest-capturelog	0.7
pytest-codecheckers	0.2
pytest-cov	2.2.1
python-ceilometerclient	2.4.0
python-dateutil	2.5.3
python-editor	1.0
python-keystoneclient	2.3.1
python-ldap	2.4.25
python-memcached	1.57
python-mimeparse	1.5.2
python-neutronclient	4.1.2
python-quantumclient	2.2.4.3
python-swiftclient	3.0.0

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Technology Name	Technology Version
pytz	2016.4
pywbem	0.7.0
qpdf	7.0.0
qperf	0.4.9
quagga	0.99.19
quilt	0.65
qunit	1.23.1
rabbitmq-server	3.6.9
racoona2	1.38
raphael	2.2.7
rcp	
rcssmin	1.0.6
rdesktop	1.6.0
rdiff-backup	1.3.3
rds-tools	2.0.4
re2c	0.16
readline	5.2
readline	6.3
repoze.lru	0.6
requests	2.9.1
requests-aws	0.1.8
requestsexceptions	1.1.3
rest	0.8.0
retrying	1.3.3
rjsmin	1.0.12
rlogind	
route	
routed.bsd	
rpdb	0.1.6
rpm2cpio	1.3
rdtool	1.6.0
rsh	
rsync	3.1.2
rsyslog	8.15.0
rtorrent	0.9.6
rts	

Technology Name	Technology Version
ruby	2.1.6
ruby	2.3.1
ruby-augeas	0.5.0
rum	1.13.2.1
samba	4.7.6
saz-memcached	3.0.2
sbsigntool	0.6
scons	2.5.1
scp	0.10.2
screen	4.6.1
script	
seahorse	3.18.0
sed	4.4
sendmail	8.14.9
sendmail	8.15.2
serf	1.3.9
sessreg	1.1.1
setuptools	19.2
setuptools-git	1.1
setxkbmap	7.7
sg3_utils	1.42
sgml-common	0.6.3
shared-mime-info	1.8
shim	0.9
sigcpp	2.10.0
sil	11.4
simplegeneric	0.8.1
simplejson	3.6.5
singledispatch	3.4.0.3
six	1.10.0
smartmontools	6.5
smbfs	1.4.5
smp_utils	0.98
smproxy	1.0.6
snappy	1.1.3
snia-hbaapi	2.0

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Technology Name	Technology Version
snia-ima	1.0
snia-mpapi	1.1
snort	2.9.9.0
source-code-pro	20150707
source-sans-pro	20150831
spawn-fcgi	1.6.3
speech-dispatcher	0.8.6
speex	1.2
sqlite	3.21.0
sqlparse	0.1.19
squid	3.5.27
sscanf	
startup-notification	0.12
stcexx	4.2.1
stevedore	1.12.0
stomp	1.4.4
stunnel	5.35
subversion	1.9.7
sudo	1.8.21.2
suhosin	0.9.38
sushi	3.23.91
swift	Mitaka 2.7.0
swig	3.0.12
t11-sm-hba	1.0
taglib	1.11.1
tar	1.29
tarfile	2.4
tcl	8.6.7
tcp-wrapper	7.6
tcpdump	4.9.2
tcsh	6.20.0
telepathy-glib	0.24.1
telepathy-logger	0.8.2
telnet	
terminfo	
termio	

Technology Name	Technology Version
testresources	1.0.0
testscenarios	0.5.0
testtools	2.0.0
texi2html	
texinfo	
text-utilities	2.29
thai-scalable	11.4
thunderbird	52.8.0
tidy	5.4.0
tigervnc	1.7.1
timers	
tip	
tk	8.6.7
tmux	2.2
tomcat	8.5.28
top	3.8beta1
totem	3.24.0
totem-pl-parser	3.10.7
tox	2.3.1
traceback2	1.4.0
traceroute	1.3.2
tracker	1.6.0
transset	1.0.1
tree	1.7.0
trollius	2.1
trousers	0.3.13
ttf-bitstream-vera	1.10
twm	1.0.9
uath	1.3
udfs	
ufs	
uhttpmock	0.5.1
ul	
unfonts-ko-core	11.4
unfonts-ko-extra	11.4
unicode	5.0

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Technology Name	Technology Version
unicodecsv	0.14.1
unifont	11.4
units	
unixODBC	2.3.4
unrar	5.5.7
unzip	610c23
upower	0.99.3
ural	1.70
urllib3	1.15.1
urtw	1.23
usb.ids	2018.05.04
util-macros	1.19.0
vacation	
vala	0.36.0
vgaarb	1.0.0
vgrind	
vi	
vim	8.0.711
vinagre	3.16.0
vino	3.22.0
virtualenv	15.0.1
vmstat	
vte	0.42.1
waitress	0.9.0
warlock	1.2.0
wdiff	1.2.2
webalizer	2.23-08
webkitgtk	2.18.4
wget	1.19.5
which	
which	2.21
wireshark	2.6.1
wpa	0.2.5
wqy-zenhei	11.4
wrapt	1.10.6
wxWidgets	3.0.3

Technology Name	Technology Version
x11perf	1.6.0
xattr	0.9.3
xauth	1.0.10
xbitmaps	1.1.1
xcb-util	0.4.0
xcb-util-cursor	0.1.3
xcb-util-errors	1.0
xcb-util-image	0.4.0
xcb-util-keysyms	0.4.0
xcb-util-renderutil	0.3.9
xcb-util-wm	0.4.1
xclipboard	1.1.3
xclock	1.0.7
xcompmgr	1.1.7
xconsole	1.0.7
xcursor-themes	1.0.4
xcursorgen	1.0.6
xdebug	2.5.1
xdg-utils	1.1.1
xdm	1.1.9
xdpyinfo	7.7
xev	1.2.2
xf86-input-keyboard	1.9.0
xf86-input-mouse	1.9.2
xf86-input-synaptics	1.9.0
xf86-input-vmmouse	13.1.0
xf86-input-void	1.4.1
xf86-video-ast	1.1.5
xf86-video-ati	7.8.0
xf86-video-cirrus	1.5.3
xf86-video-dummy	0.3.8
xf86-video-intel	2.99.917
xf86-video-mach64	6.9.5
xf86-video-mga	1.6.5
xf86-video-openchrome	0.6.0
xf86-video-r128	6.10.2

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Technology Name	Technology Version
xf86-video-vboxvideo	1.0.0
xf86-video-vesa	2.3.4
xf86-video-vmware	13.2.1
xfd	1.1.2
xfontsel	1.0.5
xfst	1.1.4
xhost	7.7
xinit	1.3.4
xkbcomp	1.3.1
xkeyboard-config	2.16
xkill	1.0.4
xload	1.1.2
xlock	11.4
xlogo	7.7
xmag	1.0.6
xmlto	0.0.28
xorg-docs	1.7.1
xorg-server	1.19.5
xorriso	1.4.8
xproto	7.7
xscope	1.4.1
xscreensaver	5.39
xstdcmap	7.7
xstr	
xterm	0.333
xterm	333
xtrans	1.3.5
xwd	1.0.6
xz	5.2.3
yasm	1.3.0
yelp	3.22.0
yelp-tools	3.18.0
yelp-xsl	3.20.1
zenity	3.24.0
zip	3.0
zlib	1.2.11

Technology Name	Technology Version
zope.interface	4.3.2
zsh	5.3.1
zyd	0.1.3.1

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For the server\util_md5.c component:

```

/*****
 * NCSA HTTPd Server

```

```
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* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
*
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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

Mike Belshe (mbelshe@netscape.com)

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Dependent components:
django-rest-swagger=2.1.2

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djangorestframework=3.5.4

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openapi-codec=1.3.1

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coreapi>=2.3.0
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itypes 1.1.0 (dependency of coreapi)  
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uritemplate-3.0.0 (dependency of coreapi)  
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coreschema 0.0.4 (dependency of coreapi)
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jinja2 2.10 (dependency of coreschema)
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markupsafe 1.0 (dependency of jinja2)  
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Mersenne Twister

The `:mod:`_random`` module includes code based on a download from <http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html>. The following are the verbatim comments from the original code::

A C-program for MT19937, with initialization improved 2002/1/26. Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using `init_genrand(seed)` or `init_by_array(init_key, key_length)`.

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<http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html>

email: `m-mat @ math.sci.hiroshima-u.ac.jp` (remove space)

Sockets

The `:mod:`socket`` module uses the functions, `:func:`getaddrinfo``, and `:func:`getnameinfo``, which are coded in separate source files from the WIDE Project, <http://www.wide.ad.jp/>. ::

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Asynchronous socket services

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Execution tracing

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UUencode and UUdecode functions

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Modified by Jack Jansen, CWI, July 1995:

- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.

- Arguments more compliant with Python standard

XML Remote Procedure Calls

The `:mod:`xmlrpc.client`` module contains the following notice::

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`test_epoll`

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Select kqueue

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SipHash24

The file `:file:`Python/pyhash.c`` contains Marek Majkowski's implementation of Dan Bernstein's SipHash24 algorithm. The contains the following note::

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Original location:

<https://github.com/majek/csiphash/>

Solution inspired by code from:

Samuel Neves ([superkop/crypto_auth/siphash24/little](https://github.com/superkop/crypto_auth/siphash24/little)) djb ([superkop/crypto_auth/siphash24/little2](https://github.com/superkop/crypto_auth/siphash24/little2)) Jean-Philippe Aumasson (<https://131002.net/siphash/siphash24.c>)

strtod and dtoa

The file `:file:`Python/dtoa.c``, which supplies C functions `dtoa` and `strtod` for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay,

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cfuhash

The implementation of the hash table used by the `:mod:`tracemalloc`` is based on the cfuhash project::

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