paloalto TECHDOCS

Palo Alto Networks Open-Source Software (OSS) Licenses

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PAN-OS OSS Listings

The following sections display Open-Source Software (OSS) licenses specific to each feature release of PAN-OS® software.

These listings capture the component versions found in the most recent maintenance release of each software version. Whenever possible, Palo Alto Networks recommends that you upgrade to the latest maintenance release for the version you are running on your appliances because each maintenance release contains bug fixes and possibly enhancements and updates that address security vulnerabilities. If you are not able to upgrade to the latest version, you should consult the PAN-OS release notes for the version you are running to determine whether there are component updates in later versions.

*For more specific information about the OSS components in your software version, **Sign in** to the Customer Support website and open a ticket.*

- PAN-OS 11.2 OSS Listing
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- PAN-OS 4.1 OSS Listing
- PAN-OS 4.0 OSS Listing

PAN-OS 11.2 OSS Listing

The following list displays the Open-Source Software (OSS) versions and licenses used in our PAN-OS® 11.2 software. It is our goal to capture and provide here the version of each component used in the latest maintenance release of this feature release. We recommend that, if you haven't already, you upgrade to the latest recommended maintenance release to ensure that you have all available fixes, enhancements, and vulnerability updates for your products.

For some OSS components, we may include and distribute multiple OSS versions for deployment on and for use with different Palo Alto Networks products to deliver the different features and functionality available on those products. However, we do not attempt to capture these differences in detail or per product in these OSS listings. To confirm which versions are running on your product when there is more than one version listed, ***Sign in*** *to your Palo Alto Networks account on the* Customer Support Portal *and open a ticket to request the information for your specific products.*

NAME	VERSION	LICENSE TYPE
acl	2.2.53	GPLv2+
acpid	2.0.30	GPLv2+
apr	1.6.3	ASL 2.0 and BSD with advertising and ISC and BSD
apr-util	1.6.1	ASL 2.0
audit	3	GPLv2+
audit-libs	3	LGPLv2+
basesystem	11	Public Domain
bash	4.4.19	GPLv3+
beecrypt	4.2.1	LGPLv2+
bind	9.11.36	MPLv2.0
bind-export-libs	9.11.36	MPLv2.0
bind-libs	9.11.36	MPLv2.0
bind-libs-lite	9.11.36	MPLv2.0
bind-license	9.11.36	MPLv2.0
bind-utils	9.11.36	MPLv2.0

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NAME	VERSION	LICENSE TYPE
binutils	2.3	GPLv3+
bonnie++	1.98	GPLv2
brotli	1.0.6	MIT
busybox-dp	11.2.5.0	GPL
bzip2	1.0.6	BSD
bzip2-libs	1.0.6	BSD
c-ares	1.13.0	MIT
CADP_for_C	8.14.1.001	CipherTrust Manager
chicken	3.0.0	BSD
chkconfig	1.13	GPLv2
cjose	0.6.1	MIT
cjson	1	MIT and ASL 2.0
coreutils	8.3	GPLv3+
coreutils-common	8.3	GPLv3+
corosync	3.0.3	BSD
corosynclib	3.0.3	BSD
cpio	2.12	GPLv3+
cpp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
cracklib	2.9.6	LGPLv2+
cracklib-dicts	2.9.6	LGPLv2+
crontabs	1.11	Public Domain and GPLv2
crypto-policies	20200713	LGPLv2+
crypto-policies-scripts	20200713	LGPLv2+

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NAME	VERSION	LICENSE TYPE
CUnit	2.1.3	LGPLv2+
curl-minimal	7.61.1	MIT
dejavu-fonts-common	2.35	Bitstream Vera and Public Domain
dejavu-sans-fonts	2.35	Bitstream Vera and Public Domain
device-mapper	1.02.171	GPLv2
device-mapper-libs	1.02.171	LGPLv2
device-nodes	8.0.0	Public Domain
dhcp-client	4.3.6	ISC
dhcp-common	4.3.6	ISC
dhcp-devel	4.3.6	ISC
dhcp-libs	4.3.6	ISC
dhcp-server	4.3.6	ISC
diffutils	3.6	GPLv3+
dmidecode	3.2	GPLv2+
dosfstools	4.1	GPLv3+
dpdk-vm	22.11.5	BSD and LGPLv2 and GPLv2
dpdk_2211	22.11.1	BSD and LGPLv2 and GPLv2
dracut	49	GPLv2+ and LGPLv2+
e2fsprogs	1.45.6	GPLv2
e2fsprogs-libs	1.45.6	GPLv2 and LGPLv2
efitools	1.9.2	GPLv2
efivar	37	LGPL-2.1
efivar-libs	37	LGPL-2.1
elfutils-default-yama-scope	0.18	GPLv2+ or LGPLv3+

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NAME	VERSION	LICENSE TYPE
elfutils-libelf	0.18	GPLv2+ or LGPLv3+
elfutils-libs	0.18	GPLv2+ or LGPLv3+
envoy-proxy	v2	Apache License
ethtool	5	GPLv2
eventlog	0.2.12	BSD-like
expat	2.2.5	MIT
fastlz	0.1.0	MIT
file	5.33	BSD
file-libs	5.33	BSD
filesystem	3.8	Public Domain
findutils	4.6.0	GPLv3+
fipscheck	1.5.0	BSD
fipscheck-lib	1.5.0	BSD
flashrom	1.2	GPLv2
flatcc	0.6.1	Apache License Version 2.0
fontconfig	2.13.1	MIT and Public Domain and UCD
fontpackages-filesystem	1.44	Public Domain
fping	4.2	BSD with advertising
freetype	2.9.1	(FTL or GPLv2+) and BSD and MIT and Public Domain and zlib with acknowledgement
frr	8.4_dpd	GPLv2+
fuse	2.9.7	GPL+
fuse-common	3.2.1	GPL+
fuse-libs	2.9.7	LGPLv2+

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NAME	VERSION	LICENSE TYPE
gawk	4.2.1	GPLv3+ and GPLv2+ and LGPLv2+ and BSD
gc	7.6.4	BSD
gdb	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL+ and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdb-headless	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL+ and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdbm	1.18	GPLv3+
gdbm-libs	1.18	GPLv3+
gdisk	1.0.3	GPLv2
glib2	2.56.4	LGPLv2+
glibc	2.27	LGPL
glibc	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-common	2.27	LGPL
glibc-common	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-langpack-en	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
gmp	6.1.2	LGPLv3+ or GPLv2+

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NAME	VERSION	LICENSE TYPE
gnupg2	2.2.20	GPLv3+
gnutls	3.6.16	GPLv3+ and LGPLv2+
google-api-python-client	1.12.8	Apache 2.0
google-auth	1.26.1	Apache 2.0
google-auth-httplib2	0.0.4	Apache 2.0
google-cloud-core	1.6.0	Apache 2.0
google-cloud-monitoring	2.0.0	Apache 2.0
google-cloud-storage	1.36.0	Apache 2.0
googleapis-common-protos	1.52.0	Apache-2.0
gperftools-devel	2.4	BSD
gperftools-libs	2.4	BSD
gpgme	1.13.1	LGPLv2+
grep	3.1	GPLv3+
grpc	v1.30.0	GPLv2
grub	6.0.97	GPL
grub	7.0.97	GPLv2+
grub-cfg	11.2.5.1	GPL
grub2-efi-aa64	2.02	GPLv3+
grub2-efi-x64	2.02	GPLv3+
grub2-noraid-efi-x64	2.02	GPLv3+
gsoap	2.8.6	gsoap
guile	2.0.14	LGPLv3+
gzip	1.9	GPLv3+ and GFDL
hiredis	1.0.2	BSD

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NAME	VERSION	LICENSE TYPE
hostname	3.2	GPLv2+
httpd	2.4.37	ASL 2.0
httpd-filesystem	2.4.37	ASL 2.0
httpd-tools	2.4.37	ASL 2.0
hwdata	0.314	GPLv2+
hyperscan	4.2.0	BSD License
hyperscan5	5.3.0	BSD License
i2c-tools	4.3	GPLv2+
ima-evm-utils	1.1	GPLv2
info	6.5	GPLv3+
initscripts	8.45.17	GPL
initscripts-utils	8.45.17	GPL
insydeh2offt_x86_linux64	200.01.00.02	Insyde
insydeh2offt_x86_linux64	200.02.00.06	Insyde
intel-ipsec-mb	1.3.0	BSD
intel-ipsec-mb-devel	1.3.0	BSD
intel-nvm	1	Intel
Intel-Qat	1.1.1a	BSD License.
ipcalc	0.2.4	GPLv2+
iproute	5.3.0	GPLv2+ and Public Domain
iptables	1.4.21	GPLv2
iptables	1.8.4	GPLv2 and Artistic 2.0 and ISC
iptables-libs	1.8.4	GPLv2 and Artistic 2.0 and ISC
iptables-utils	1.4.21	GPLv2

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NAME	VERSION	LICENSE TYPE
iptables-utils	1.8.4	GPLv2 and Artistic 2.0 and ISC
iputils	20180629	BSD and GPLv2+
iputils-dp	20180629	BSD and GPLv2+
irqbalance	1.4.0	GPLv2
ivykis	0.42.4	LGPLv2+
jansson	2.11	MIT
json-c	0.13.1	MIT
kernel-core	4.18.0	GPLv2 and Redistributable, no modification permitted
kernel-kdump-kdump	5.14.0	GPLv2 and Redistributable, no modification permitted
kernel-modules	4.18.0	GPLv2 and Redistributable, no modification permitted
kernel-modules-extra	4.18.0	GPLv2 and Redistributable, no modification permitted
kernel-octeon2-dp	3.10.87	GPLv2
kernel-octeon2-lfp	3.10.87	GPLv2
kernel-octeon2-mp	3.10.87	GPLv2
keyutils	1.5.10	GPLv2+ and LGPLv2+
keyutils-libs	1.5.10	GPLv2+ and LGPLv2+
kmod	25	GPLv2+
kmod-libs	25	LGPLv2+
krb5-libs	1.18.2	MIT
krb5-workstation	1.18.2	MIT
lcms2	2.9	MIT
less	530	GPLv3+ or BSD

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NAME	VERSION	LICENSE TYPE
leveldb	1.22	BSD
libacl	2.2.53	LGPLv2+
libamdsecrng	3.1.0	AMD (EULA)
libamqp	1.0.0	MIT
libarchive	3.3.2	BSD
libassuan	2.5.1	LGPLv2+ and GPLv3+
libatomic_ops	7.6.2	GPLv2 and MIT
libattr	2.4.48	LGPLv2+
libbabeltrace	1.5.4	MIT and GPLv2
libblkid	2.32.1	LGPLv2+
libbpf	0.2.0	BSD 2-clause GNU LGPL v2.1
libbson	1.17.6	ASL 2.0 and ISC and MIT and zlib
libcap	2.48	BSD or GPLv2
libcap-ng	0.7.9	LGPLv2+
libcom_err	1.45.6	MIT
libcurl-minimal	7.61.1	MIT
libdb	5.3.28	BSD and LGPLv2 and Sleepycat
libdb-utils	5.3.28	BSD and LGPLv2 and Sleepycat
libdrng	1.0.4	Intel (3-clause BSD)
libedit	3.1	BSD
libedit1	2.11	libedit
libev	4.24	BSD or GPLv2+
libevent	2.1.8	BSD and ISC
libfdisk	2.32.1	LGPLv2+

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NAME	VERSION	LICENSE TYPE
libffi	3.1	MIT
libftdi	1.4	LGPLv2
libgcc	7.3.0	LGPL
libgcc	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgcrypt	1.8.5	LGPLv2+
libgomp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgpg-error	1.31	LGPLv2+
libi2c	4.3	LGPLv2+
libibverbs	29	GPLv2 or BSD
libicu	60.3	MIT and UCD and Public Domain
libidn	1.34	LGPLv2+ and GPLv3+ and GFDL
libidn2	2.2.0	(GPLv2+ or LGPLv3+) and GPLv3+
libipt	1.6.1	BSD
libjpeg-turbo	1.5.3	IJG
libkadm5	1.18.2	MIT
libknet1	1.16	LGPLv2+
libknet1-crypto-nss-plugin	1.16	LGPLv2+
libksba	1.3.5	(LGPLv3+ or GPLv2+) and GPLv3+
libldb	2.3.0	LGPLv3+
liblog4shib2	2.0.0	LGPL
libmaxminddb	1.2.0	ASL 2.0 and BSD
libmcrypt	2.5.8	LGPLv2+

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NAME	VERSION	LICENSE TYPE
libmetalink	0.1.3	MIT
libmnl	1.0.4	LGPLv2+
libmongocrypt	1.2.0	ASL 2.0 and ISC
libmount	2.32.1	LGPLv2+
libmpc	1.0.2	LGPLv3+ and GFDL
libnet	1.1.6	BSD
libnetfilter_conntrack	1.0.6	GPLv2+
libnfnetlink	1.0.1	GPLv2+
libnfsidmap	2.3.3	BSD
libnftnl	1.1.5	GPLv2+
libnghttp2	1.33.0	MIT
libnl3	3.5.0	LGPLv2
libnsl	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
libnsl2	1.2.0	BSD and LGPLv2+
liboqs	0.9.2	MIT
libpcap	1.9.1	BSD with advertising
libpkgconf	1.4.2	ISC
libpng	1.6.34	zlib
libpsl	0.20.2	MIT
libpwquality	1.4.0	BSD or GPLv2+
libqb	1.0.3	LGPLv2+
libradius	1	libradius

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NAME	VERSION	LICENSE TYPE
libsaml12	3.2.0	Apache-2.0
libseccomp	2.4.3	LGPLv2
libsecret	0.18.6	LGPLv2+
libselinux	2.9	Public Domain
libselinux-utils	2.9	Public Domain
libsemanage	2.9	LGPLv2+
libsepol	2.9	LGPLv2+
libsigsegv	2.11	GPLv2+
libsmartcols	2.32.1	LGPLv2+
libsmbclient	4.14.5	GPLv3+ and LGPLv3+
libss	1.45.6	MIT
libstdc++	7.3.0	GPL
libstdc++	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libsysfs	2.1.0	LGPLv2+
libtalloc	2.3.2	LGPLv3+
libtasn1	4.13	GPLv3+ and LGPLv2+
libtdb	1.4.3	LGPLv3+
libtecla	1.6.1	X11
libtevent	0.10.2	LGPLv3+
libtiff	4.0.9	libtiff
libtirpc	1.1.4	SISSL and BSD
libtool-ltdl	2.4.6	LGPLv2+
libunistring	0.9.9	GPLv2+ or LGPLv3+

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NAME	VERSION	LICENSE TYPE
libunwind	1.3.1	BSD
libusbx	1.0.23	LGPLv2+
libuser	0.62	LGPLv2+
libuuid	2.32.1	BSD
libverto	0.3.0	MIT
libvolume_id	127	GPLv2
libwbclient	4.14.5	GPLv3+ and LGPLv3+
libwsman1	2.6.5	BSD
libxcrypt	4.1.1	LGPLv2+ and BSD and Public Domain
libxerces-c-3_2	3.2.3	Apache
libxml-security-c20	2.0.2	Apache 2.0
libxml2	2.9.7	MIT
libxmltooling10	3.2.0	Apache-2.0
libxslt	1.1.32	MIT
libyaml	0.1.7	MIT
libyang	2.1.128	BSD
libzip	1.6.1	BSD
libzstd	1.4.4	BSD and GPLv2
linux-firmware	20200619	GPL+ and GPLv2+ and MIT and Redistributable, no modification permitted
lm_sensors	3.4.0	GPLv2+ and Verbatim and MIT
lm_sensors-libs	3.4.0	LGPLv2+
lmdb-libs	0.9.24	OpenLDAP
lockdev	1.0.4	LGPLv2

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NAME	VERSION	LICENSE TYPE
logrotate	3.14.0	GPLv2+
lrzsz	0.12.20	GPLv2+
lsof	4.93.2	zlib and Sendmail and LGPLv2+
lua	5.3.4	MIT
lua-libs	5.3.4	MIT
lz4	1.8.3	GPLv2+ and BSD
lz4-libs	1.8.3	GPLv2+ and BSD
lzo	2.08	GPLv2+
mailx	12.5	BSD with advertising and MPLv1.1
MAKEDEV	3.23	GPL
mariadb-connector-c	3.1.11	LGPLv2+
mariadb-connector-c-config	3.1.11	LGPLv2+
mcelog	194	GPLv2
mdadm	4.1	GPLv2+
mingetty	1.07	GPL
minicom	2.7.1	GPLv2+ and LGPLv2+ and Public Domain
mlnx-ofa_kernel-modules	4.9	GPLv2
mmc-utils	1	GPLv2
modules-intel-mp	11.2.5.1	GPLv2
modules-intel-mp-vm	11.2.5.1	GPLv2
mongo	1	metaswitch
mongo-c-driver-libs	1.17.6	ASL 2.0 and ISC and MIT and zlib
mongodb	3.6.19	SSPL v1
mpfr	3.1.6	LGPLv3+ and GPLv3+ and GFDL

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NAME	VERSION	LICENSE TYPE
ms2frr	11.0.828	(NetDEF)
mtdutils	1.0.0	GPL
ncurses	6.1	MIT
ncurses-base	6.1	MIT
ncurses-libs	6.1	MIT
ncurses-term	6.1	MIT
net-snmp	5.8	BSD
net-snmp-agent-libs	5.8	BSD
net-snmp-libs	5.8	BSD
net-snmp-utils	5.8	BSD
net-tools	2	GPLv2+
nettle	3.4.1	LGPLv3+ or GPLv2+
nfs-utils	2.3.3	MIT and GPLv2 and GPLv2+ and BSD
nginx-bin	1.20.1	BSD
nginx-filesystem	1.20.1	BSD
npth	1.5	LGPLv2+
nspr	4.35.0	MPLv2.0
nss	3.90.0	MPLv2.0
nss-pam-ldapd	0.9.9	LGPLv2+
nss-softokn	3.90.0	MPLv2.0
nss-softokn-freebl	3.90.0	MPLv2.0
nss-sysinit	3.90.0	MPLv2.0
nss-tools	3.90.0	MPLv2.0
nss-util	3.90.0	MPLv2.0

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NAME	VERSION	LICENSE TYPE
ntfs-3g	2017.3.23	GPLv2+
ntfsprogs	2017.3.23	GPLv2+
ntp	4.2.8p15	MIT and BSD and BSD with advertising
ntp-dp	4.2.8p15	MIT and BSD and BSD with advertising
ntpdate	4.2.8p15	MIT and BSD and BSD with advertising
ntpstat	0.5	MIT
numactl-libs	2.0.12	LGPLv2 and GPLv2
oniguruma5php	6.9.7.1	BSD
onnxruntime	1.15.1	MIT
open-vm-tools	12.1.0	GPLv2
openjpeg2	2.4.0	BSD and MIT
openldap	2.4.46	OpenLDAP
openldap-clients	2.4.46	OpenLDAP
opensaml-schemas	3.2.0	Apache-2.0
openssh	8.0p1	BSD
openssh-clients	8.0p1	BSD
openssh-server	8.0p1	BSD
openssl	1.1.1g	OpenSSL and ASL 2.0
openssl-dp	1.1.1g	OpenSSL and ASL 2.0
openssl-dp-libs	1.1.1g	OpenSSL and ASL 2.0
openssl-dpt13	1.1.1a	OpenSSL
openssl-libs	1.1.1g	OpenSSL and ASL 2.0
openwsman-client	2.6.5	BSD

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NAME	VERSION	LICENSE TYPE
openwsman-server	2.6.5	BSD
oprofile	0.9.9	GPLv2+ and LGPLv2+
p11-kit	0.23.22	BSD
p11-kit-trust	0.23.22	BSD
pam	1.3.1	BSD and GPLv2+
pam_krb5	2.4.8	BSD or LGPLv2+
panos-release	8.3	GPLv2
parted	3.2	GPLv3+
passwd	0.8	BSD or GPL+
pciutils	3.6.4	GPLv2+
pciutils-libs	3.6.4	GPLv2+
pcre	8.42	BSD
pcre2	10.32	BSD
perf	4.18.0	GPLv2
phantomjs	1.9.8	BSD
php	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-bcmath	7.4.33	PHP and LGPLv2+
php-cli	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA and PostgreSQL
php-common	7.4.33	PHP and BSD
php-embedded	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-fpm	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-gmp	7.4.33	PHP

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NAME	VERSION	LICENSE TYPE
php-json	7.4.33	PHP
php-mbstring	7.4.33	PHP and LGPLv2 and OpenLDAP
php-mysqlnd	7.4.33	PHP
php-pdo	7.4.33	PHP
php-pecl-mongodb	1.9.1	ASL 2.0
php-xml	7.4.33	PHP
pinentry	1.1.0	GPLv2+
pkgconf	1.4.2	ISC
pkgconf-m4	1.4.2	GPLv2+ with exceptions
pkgconf-pkg-config	1.4.2	ISC
platform-python	3.6.8	Python
platform-python-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
platform-python-setuptools	39.2.0	MIT
policycoreutils	2.9	GPLv2
popt	1.16	MIT
pprof	2.4	BSD
procps-ng	3.3.15	GPL+ and GPLv2 and GPLv2+ and GPLv3+ and LGPLv2+
protobuf	3.5.0	BSD
psmisc	23.1	GPLv2+
pth	2.0.7	LGPLv2+
publicsuffix-list-dafsa	20180723	MPLv2.0
pybloomfiltermmap3	0.4.15	MIT License
pycrypto	2.6.1	Public Domain

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NAME	VERSION	LICENSE TYPE
python-collectd-cloudwatch	0.0.2	MIT
python-libevent	0.9.2	LGPL
python3-asn1crypto	0.24.0	MIT
python3-audit	3	LGPLv2+
python3-bind	9.11.36	MPLv2.0
python3-bloom	0.10.0	BSD
python3-boto3	1.15.15	ASL 2.0
python3-botocore	1.18.15	ASL 2.0
python3-bson	3.7.0	ASL 2.0 and MIT
python3-catkin_pkg	0.4.23	BSD
python3-cffi	1.11.5	MIT
python3-chardet	3.0.4	LGPLv2
python3-cryptography	3.2.1	ASL 2.0 or BSD
python3-dateutil	2.6.1	BSD
python3-distro	1.4.0	ASL 2.0
python3-docutils	0.14	Public Domain and BSD and Python and GPLv3+
python3-empy	3.3.4	LGPLv2+
python3-fasteners	0.14.1	ASL 2.0
python3-httplib2	0.10.3	MIT
python3-idna	2.5	BSD and Python and Unicode
python3-jmespath	0.9.0	MIT
python3-libs	3.6.8	Python
python3-libxml2	2.9.7	MIT
python3-m2crypto	0.35.2	MIT

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NAME	VERSION	LICENSE TYPE
python3-oauth2client	4.1.3	ASL 2.0
python3-pexpect	4.3.1	MIT
python3-pillow	5.1.1	MIT
python3-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
python3-pip-wheel	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
python3-ply	3.9	BSD
python3-psutil	5.6.4	BSD
python3-ptyprocess	0.5.2	ISC
python3-pyasn1	0.3.7	BSD
python3-pyasn1-modules	0.3.7	BSD
python3-pycparser	2.14	BSD
python3-pycurl	7.43.0.2	LGPLv2+ or MIT
python3-pymongo	3.7.0	ASL 2.0 and MIT
python3-pyOpenSSL	18.0.0	ASL 2.0
python3-pyparsing	2.1.10	MIT
python3-pypdf2	1.26.0	BSD
python3-pytz	2019.3	MIT
python3-pyyaml	3.12	MIT
python3-reportlab	3.4.0	BSD
python3-requests	2.20.0	ASL 2.0
python3-rosdep	0.19.0	BSD
python3-rosdistro	0.8.3	BSD and MIT

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NAME	VERSION	LICENSE TYPE
python3-rospkg	1.2.8	BSD
python3-rpm	4.14.3	GPLv2+
python3-s3transfer	0.3.4	ASL 2.0
python3-setuptools	39.2.0	MIT
python3-setuptools-wheel	39.2.0	MIT
python3-six	1.11.0	MIT
python3-uritemplate	3.0.0	BSD
python3-urlgrabber	4.1.0	LGPLv2+
python3-urllib3	1.24.2	MIT
python3-vcstool	0.2.15	ASL 2.0
python3-vcstools	0.1.42	BSD
python36	3.6.8	Python
quota	4.04	BSD and GPLv2 and GPLv2+
quota-nls	4.04	BSD and LGPLv2+ and GPLv2 and GPLv2+
rcs	5.10.0	GPLv3+
rdma-core	29	GPLv2 or BSD
readline	7	GPLv3+
redis	6.2.6	BSD and MIT
rootfiles	8.1	Public Domain
rpcbind	1.2.5	BSD
rpm	4.14.3	GPLv2+
rpm-build-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rpm-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions

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NAME	VERSION	LICENSE TYPE
rpm-plugin-selinux	4.14.3	GPLv2+
rsa	4.8	Apache License Version 2.0
samba-client-libs	4.14.5	GPLv3+ and LGPLv3+
samba-common	4.14.5	GPLv3+ and LGPLv3+
samba-common-libs	4.14.5	GPLv3+ and LGPLv3+
sbsigntools	0.9.2	GPLv3+
scrub	2.5.2	GPLv2+
sed	4.5	GPLv3+
selinux-policy	3.14.3	GPLv2+
selinux-policy-targeted	3.14.3	GPLv2+
setup	2.12.2	Public Domain
shadow-utils	4.6	BSD and GPLv2+
shim-x64	15	BSD
smartmontools	7.1	GPLv2+
snappy	1.1.8	BSD
sqlite	3.26.0	Public Domain
sqlite-libs	3.26.0	Public Domain
sscep	0.9.0	BSD
sshpass	1.06	GPLv2
sysfsutils	2.1.0	GPLv2
syslinux	6.04	GPLv2+
syslog-ng	3.29.1	GPLv2+
sysstat	11.7.3	GPLv2+
SysVinit	2.86	GPL

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NAME	VERSION	LICENSE TYPE
tacacs	1	metaswitch
tar	1.3	GPLv3+
tcp_wrappers	7.6	BSD
tcp_wrappers-libs	7.6	BSD
tcpdump	4.9.3	BSD with advertising
td-agent-bit	1.8.110	Apache v2.0
tecla	1.6.3	X11
telnet	0.17	BSD
telnet-server	0.17	BSD
tftp	5.2	BSD
tftp-server	5.2	BSD
timedatex	0.5	GPLv2+
tpm2-tss	2.3.2	BSD
traceroute	2.1.0	GPLv2+
tzdata	2023c	Public Domain
udev	127	GPLv2
unixODBC	2.3.7	GPLv2+ and LGPLv2+
ustr	1.0.4	MIT or LGPLv2+ or BSD
util-linux	2.32.1	GPLv2 and GPLv2+ and LGPLv2+ and BSD with advertising and Public Domain
util-linux-dp	2.32.1	GPLv2
util-linux-user	2.32.1	GPLv2
vconfig	1.9	GPL
vectorscan	5.4.6	BSD

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NAME	VERSION	LICENSE TYPE
vim-minimal	8.0.1763	Vim and MIT
virt-what	1.18	GPLv2+
vixie-cron	4.1	distributable
waofflinevmod	4.3.3.501	OPSWAT
wget	1.19.5	GPLv3+
which	2.21	GPLv3
wmi	1.3.13	GNU GPL Version 2
wpaeapol	2.9	BSD
xdelta	3.1.0	ASL 2.0
xe-guest-utilities-latest	7.21.0	BSD
xinetd	2.3.15	xinetd
xmlsec1	1.2.25	MIT
xmlsec1-openssl	1.2.25	MIT
xmltodict	0.12.0	MIT
xmltooling-schemas	3.2.0	Apache-2.0
xz	5.2.4	GPLv2+ and Public Domain
xz-libs	5.2.4	Public Domain
zlib	1.2.11	zlib and Boost

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PAN-OS 11.1 OSS Listing

The following list displays the Open-Source Software (OSS) versions and licenses used in our PAN-OS® 11.1 software. It is our goal to capture and provide here the version of each component used in the latest maintenance release of this feature release. We recommend that, if you haven't already, you upgrade to the latest recommended maintenance release to ensure that you have all available fixes, enhancements, and vulnerability updates for your products.

For some OSS components, we may include and distribute multiple OSS versions for deployment on and for use with different Palo Alto Networks products to deliver the different features and functionality available on those products. However, we do not attempt to capture these differences in detail or per product in these OSS listings. To confirm which versions are running on your product when there is more than one version listed, ***Sign in*** *to your Palo Alto Networks account on the* Customer Support Portal *and open a ticket to request the information for your specific products.*

NAME	VERSION	LICENSE TYPE
acl	2.2.53	GPLv2+
acpid	2.0.30	GPLv2+
apr	1.6.3	ASL 2.0 and BSD with advertising and ISC and BSD
apr-util	1.6.1	ASL 2.0
audit	3	GPLv2+
audit-libs	3	LGPLv2+
basesystem	11	Public Domain
bash	4.4.19	GPLv3+
beecrypt	4.2.1	LGPLv2+
bind	9.11.36	MPLv2.0
bind-export-libs	9.11.36	MPLv2.0
bind-libs	9.11.36	MPLv2.0
bind-libs-lite	9.11.36	MPLv2.0
bind-license	9.11.36	MPLv2.0
bind-utils	9.11.36	MPLv2.0

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NAME	VERSION	LICENSE TYPE
binutils	2.3	GPLv3+
bonnie++	1.98	GPLv2
brotli	1.0.6	MIT
busybox-dp	11.1.8.1	GPL
bzip2	1.0.6	BSD
bzip2-libs	1.0.6	BSD
c-ares	1.13.0	MIT
CADP_for_C	8.14.1.001	CipherTrust Manager
chicken	3.0.0	BSD
chkconfig	1.13	GPLv2
cjose	0.6.1	MIT
cjson	1	MIT and ASL 2.0
coreutils	8.3	GPLv3+
coreutils-common	8.3	GPLv3+
corosync	3.0.3	BSD
corosynclib	3.0.3	BSD
cpio	2.12	GPLv3+
cpp	7.3.0	GPL
cpp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
cracklib	2.9.6	LGPLv2+
cracklib-dicts	2.9.6	LGPLv2+
crontabs	1.11	Public Domain and GPLv2
crypto-policies	20200713	LGPLv2+

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NAME	VERSION	LICENSE TYPE
crypto-policies-scripts	20200713	LGPLv2+
CUnit	2.1.3	LGPLv2+
curl-minimal	7.61.1	MIT
dejavu-fonts-common	2.35	Bitstream Vera and Public Domain
dejavu-sans-fonts	2.35	Bitstream Vera and Public Domain
device-mapper	1.02.171	GPLv2
device-mapper-libs	1.02.171	LGPLv2
device-nodes	8.0.0	Public Domain
dhcp-client	4.3.6	ISC
dhcp-common	4.3.6	ISC
dhcp-devel	4.3.6	ISC
dhcp-libs	4.3.6	ISC
dhcp-server	4.3.6	ISC
diffutils	3.6	GPLv3+
dmidecode	3.2	GPLv2+
dosfstools	4.1	GPLv3+
dpdk	20.11.2	BSD and LGPLv2 and GPLv2
dpdk-vm	22.11.5	BSD and LGPLv2 and GPLv2
dpdk_2211	22.11.1	BSD and LGPLv2 and GPLv2
dpdk_7500_800g	20.11.1	BSD and LGPLv2 and GPLv2
dpdk_7500_dpc	20.11.1	BSD and LGPLv2 and GPLv2
dracut	49	GPLv2+ and LGPLv2+
dracut-network	49	GPLv2+ and LGPLv2+
dracut-squash	49	GPLv2+ and LGPLv2+

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NAME	VERSION	LICENSE TYPE
e2fsprogs	1.45.6	GPLv2
e2fsprogs-libs	1.45.6	GPLv2 and LGPLv2
efitools	1.9.2	GPLv2
efivar	37	LGPL-2.1
efivar-libs	37	LGPL-2.1
elfutils-default-yama-scope	0.18	GPLv2+ or LGPLv3+
elfutils-libelf	0.18	GPLv2+ or LGPLv3+
elfutils-libs	0.18	GPLv2+ or LGPLv3+
envoy-proxy	v2	Apache License
ethtool	5	GPLv2
eventlog	0.2.12	BSD-like
expat	2.2.5	MIT
fastlz	0.1.0	MIT
file	5.33	BSD
file-libs	5.33	BSD
filesystem	3.8	Public Domain
findutils	4.6.0	GPLv3+
fipscheck	1.5.0	BSD
fipscheck-lib	1.5.0	BSD
flashrom	1.2	GPLv2
flatcc	0.6.1	Apache License Version 2.0
fontconfig	2.13.1	MIT and Public Domain and UCD
fontpackages-filesystem	1.44	Public Domain
fping	4.2	BSD with advertising

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NAME	VERSION	LICENSE TYPE
freetype	2.9.1	(FTL or GPLv2+) and BSD and MIT and Public Domain and zlib with acknowledgement
frr	8.0_dpd	GPLv2+
fuse	2.9.7	GPL+
fuse-common	3.2.1	GPL+
fuse-libs	2.9.7	LGPLv2+
gawk	4.2.1	GPLv3+ and GPLv2+ and LGPLv2+ and BSD
gc	7.6.4	BSD
gdb	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL+ and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdb-headless	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL+ and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdbm	1.18	GPLv3+
gdbm-libs	1.18	GPLv3+
gdisk	1.0.3	GPLv2
glib2	2.56.4	LGPLv2+
glibc	2.27	LGPL
glibc	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-common	2.27	LGPL

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NAME	VERSION	LICENSE TYPE
glibc-common	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-langpack-en	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
gmp	6.1.2	LGPLv3+ or GPLv2+
gnupg2	2.2.20	GPLv3+
gnutls	3.6.16	GPLv3+ and LGPLv2+
google-api-python-client	1.12.8	Apache 2.0
google-auth	1.26.1	Apache 2.0
google-auth-httplib2	0.0.4	Apache 2.0
google-cloud-core	1.6.0	Apache 2.0
google-cloud-monitoring	2.0.0	Apache 2.0
google-cloud-storage	1.36.0	Apache 2.0
googleapis-common-protos	1.52.0	Apache-2.0
gperftools-devel	2.4	BSD
gperftools-libs	2.4	BSD
gpgme	1.13.1	LGPLv2+
grep	3.1	GPLv3+
grpc	v1.30.0	GPLv2
grub	6.0.97	GPL
grub	7.0.97	GPLv2+
grub-cfg	11.1.8.1	GPL

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NAME	VERSION	LICENSE TYPE
grub2-efi-aa64	2.02	GPLv3+
grub2-efi-x64	2.02	GPLv3+
grub2-noraid-efi-x64	2.02	GPLv3+
gsoap	2.8.6	gsoap
guile	2.0.14	LGPLv3+
gzip	1.9	GPLv3+ and GFDL
hiredis	1.0.2	BSD
hostname	3.2	GPLv2+
httpd	2.4.37	ASL 2.0
httpd-filesystem	2.4.37	ASL 2.0
httpd-tools	2.4.37	ASL 2.0
hwdata	0.314	GPLv2+
hyperscan	4.2.0	BSD License
hyperscan5	5.3.0	BSD License
i2c-tools	4.3	GPLv2+
ima-evm-utils	1.1	GPLv2
info	6.5	GPLv3+
initscripts	8.45.17	GPL
initscripts-utils	8.45.17	GPL
insydeh2offt_x86_linux64	200.01.00.02	Insyde
insydeh2offt_x86_linux64	200.02.00.06	Insyde
intel-ipsec-mb	1.3.0	BSD
intel-ipsec-mb-devel	1.3.0	BSD
intel-nvm	1	Intel

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NAME	VERSION	LICENSE TYPE
Intel-Qat	1.1.1a	BSD License.
ipcalc	0.2.4	GPLv2+
iproute	5.3.0	GPLv2+ and Public Domain
iptables	1.4.21	GPLv2
iptables	1.8.4	GPLv2 and Artistic 2.0 and ISC
iptables-libs	1.8.4	GPLv2 and Artistic 2.0 and ISC
iptables-utils	1.4.21	GPLv2
iptables-utils	1.8.4	GPLv2 and Artistic 2.0 and ISC
iputils	20180629	BSD and GPLv2+
iputils-dp	20180629	BSD and GPLv2+
irqbalance	1.4.0	GPLv2
ivykis	0.42.4	LGPLv2+
jansson	2.11	MIT
json-c	0.13.1	MIT
kernel-core	4.18.0	GPLv2 and Redistributable, no modification permitted
kernel-kdump-kdump	5.14.0	GPLv2 and Redistributable, no modification permitted
kernel-modules	4.18.0	GPLv2 and Redistributable, no modification permitted
kernel-modules-extra	4.18.0	GPLv2 and Redistributable, no modification permitted
kernel-octeon2-dp	3.10.87	GPLv2
kernel-octeon2-lfp	3.10.87	GPLv2
kernel-octeon2-mp	3.10.87	GPLv2
kexec-tools	2.0.20	GPLv2

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NAME	VERSION	LICENSE TYPE
keyutils	1.5.10	GPLv2+ and LGPLv2+
keyutils-libs	1.5.10	GPLv2+ and LGPLv2+
kmod	25	GPLv2+
kmod-libs	25	LGPLv2+
krb5-libs	1.18.2	MIT
krb5-workstation	1.18.2	MIT
lcms2	2.9	MIT
less	530	GPLv3+ or BSD
leveldb	1.22	BSD
libacl	2.2.53	LGPLv2+
libamdsecrng	3.1.0	AMD (EULA)
libamqp	1.0.0	MIT
libarchive	3.3.2	BSD
libassuan	2.5.1	LGPLv2+ and GPLv3+
libatomic_ops	7.6.2	GPLv2 and MIT
libattr	2.4.48	LGPLv2+
libbabeltrace	1.5.4	MIT and GPLv2
libblkid	2.32.1	LGPLv2+
libbpf	0.2.0	BSD 2-clause GNU LGPL v2.1
libbson	1.17.6	ASL 2.0 and ISC and MIT and zlib
libcap	2.48	BSD or GPLv2
libcap-ng	0.7.9	LGPLv2+
libcom_err	1.45.6	MIT
libcurl-minimal	7.61.1	MIT

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NAME	VERSION	LICENSE TYPE
libdb	5.3.28	BSD and LGPLv2 and Sleepycat
libdb-utils	5.3.28	BSD and LGPLv2 and Sleepycat
libdrng	1.0.4	Intel (3-clause BSD)
libedit	3.1	BSD
libedit1	2.11	libedit
libev	4.24	BSD or GPLv2+
libevent	2.1.8	BSD and ISC
libfdisk	2.32.1	LGPLv2+
libffi	3.1	MIT
libftdi	1.4	LGPLv2
libgcc	7.3.0	LGPL
libgcc	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgcrypt	1.8.5	LGPLv2+
libgomp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgpg-error	1.31	LGPLv2+
libi2c	4.3	LGPLv2+
libibverbs	29	GPLv2 or BSD
libicu	60.3	MIT and UCD and Public Domain
libidn	1.34	LGPLv2+ and GPLv3+ and GFDL
libidn2	2.2.0	(GPLv2+ or LGPLv3+) and GPLv3+
libipt	1.6.1	BSD
libjpeg-turbo	1.5.3	IJG

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NAME	VERSION	LICENSE TYPE
libkadm5	1.18.2	MIT
libknet1	1.16	LGPLv2+
libknet1-crypto-nss-plugin	1.16	LGPLv2+
libksba	1.3.5	(LGPLv3+ or GPLv2+) and GPLv3+
libldb	2.3.0	LGPLv3+
liblog4shib2	2.0.0	LGPL
libmaxminddb	1.2.0	ASL 2.0 and BSD
libmcrypt	2.5.8	LGPLv2+
libmetalink	0.1.3	MIT
libmnl	1.0.4	LGPLv2+
libmongocrypt	1.2.0	ASL 2.0 and ISC
libmount	2.32.1	LGPLv2+
libmpc	1.0.2	LGPLv3+ and GFDL
libnet	1.1.6	BSD
libnetfilter_conntrack	1.0.6	GPLv2+
libnfnetlink	1.0.1	GPLv2+
libnfsidmap	2.3.3	BSD
libnftnl	1.1.5	GPLv2+
libnghttp2	1.33.0	MIT
libnl3	3.5.0	LGPLv2
libnsl	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
libnsl2	1.2.0	BSD and LGPLv2+

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NAME	VERSION	LICENSE TYPE
libpcap	1.9.1	BSD with advertising
libpkgconf	1.4.2	ISC
libpng	1.6.34	zlib
libpsl	0.20.2	MIT
libpwquality	1.4.0	BSD or GPLv2+
libqb	1.0.3	LGPLv2+
libradius	1	libradius
libsaml12	3.2.0	Apache-2.0
libseccomp	2.4.3	LGPLv2
libsecret	0.18.6	LGPLv2+
libselinux	2.9	Public Domain
libselinux-utils	2.9	Public Domain
libsemanage	2.9	LGPLv2+
libsepol	2.9	LGPLv2+
libsigsegv	2.11	GPLv2+
libsmartcols	2.32.1	LGPLv2+
libsmbclient	4.14.5	GPLv3+ and LGPLv3+
libss	1.45.6	MIT
libstdc++	7.3.0	GPL
libstdc++	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libsysfs	2.1.0	LGPLv2+
libtalloc	2.3.2	LGPLv3+
libtasn1	4.13	GPLv3+ and LGPLv2+

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NAME	VERSION	LICENSE TYPE
libtdb	1.4.3	LGPLv3+
libtecla	1.6.1	X11
libtevent	0.10.2	LGPLv3+
libtiff	4.0.9	libtiff
libtirpc	1.1.4	SISSL and BSD
libtool-ltdl	2.4.6	LGPLv2+
libunistring	0.9.9	GPLv2+ or LGPLv3+
libunwind	1.3.1	BSD
libusbx	1.0.23	LGPLv2+
libuser	0.62	LGPLv2+
libuuid	2.32.1	BSD
libverto	0.3.0	MIT
libvolume_id	127	GPLv2
libwbclient	4.14.5	GPLv3+ and LGPLv3+
libwsman1	2.6.5	BSD
libxcrypt	4.1.1	LGPLv2+ and BSD and Public Domain
libxerces-c-3_2	3.2.3	Apache
libxml-security-c20	2.0.2	Apache 2.0
libxml2	2.9.7	MIT
libxmltooling10	3.2.0	Apache-2.0
libxslt	1.1.32	MIT
libyaml	0.1.7	MIT
libyang2	2.0.7	BSD-3-Clause
libzip	1.6.1	BSD

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NAME	VERSION	LICENSE TYPE
libzstd	1.4.4	BSD and GPLv2
linux-firmware	20200619	GPL+ and GPLv2+ and MIT and Redistributable, no modification permitted
lm_sensors	3.4.0	GPLv2+ and Verbatim and MIT
lm_sensors-libs	3.4.0	LGPLv2+
lmdb-libs	0.9.24	OpenLDAP
lockdev	1.0.4	LGPLv2
logrotate	3.14.0	GPLv2+
lrzsz	0.12.20	GPLv2+
lsof	4.93.2	zlib and Sendmail and LGPLv2+
lua	5.3.4	MIT
lua-libs	5.3.4	MIT
lz4	1.8.3	GPLv2+ and BSD
lz4-libs	1.8.3	GPLv2+ and BSD
lzo	2.08	GPLv2+
mailx	12.5	BSD with advertising and MPLv1.1
make	4.2.1	GPLv3+
MAKEDEV	3.23	GPL
mariadb-connector-c	3.1.11	LGPLv2+
mariadb-connector-c-config	3.1.11	LGPLv2+
mcelog	194	GPLv2
mdadm	4.1	GPLv2+
mingetty	1.07	GPL
minicom	2.7.1	GPLv2+ and LGPLv2+ and Public Domain

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NAME	VERSION	LICENSE TYPE
mlnx-ofa_kernel-modules	4.9	GPLv2
mmc-utils	1	GPLv2
modules-intel-mp	11.1.8.1	GPLv2
modules-intel-mp-vm	11.1.8.1	GPLv2
mongo	1	metaswitch
mongo-c-driver-libs	1.17.6	ASL 2.0 and ISC and MIT and zlib
mongodb	3.6.19	SSPL v1
mpfr	3.1.6	LGPLv3+ and GPLv3+ and GFDL
ms2frr	11.0.828	(NetDEF)
mtdutils	1.0.0	GPL
ncurses	6.1	MIT
ncurses-base	6.1	MIT
ncurses-libs	6.1	MIT
ncurses-term	6.1	MIT
net-snmp	5.8	BSD
net-snmp-agent-libs	5.8	BSD
net-snmp-libs	5.8	BSD
net-snmp-utils	5.8	BSD
net-tools	2	GPLv2+
nettle	3.4.1	LGPLv3+ or GPLv2+
nfs-utils	2.3.3	MIT and GPLv2 and GPLv2+ and BSD
nginx-bin	1.20.1	BSD
nginx-filesystem	1.20.1	BSD
npth	1.5	LGPLv2+

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NAME	VERSION	LICENSE TYPE
nspr	4.35.0	MPLv2.0
nss	3.90.0	MPLv2.0
nss-pam-ldapd	0.9.9	LGPLv2+
nss-softokn	3.90.0	MPLv2.0
nss-softokn-freebl	3.90.0	MPLv2.0
nss-sysinit	3.90.0	MPLv2.0
nss-tools	3.90.0	MPLv2.0
nss-util	3.90.0	MPLv2.0
nss_nis	3	LGPLv2+
ntfs-3g	2017.3.23	GPLv2+
ntfsprogs	2017.3.23	GPLv2+
ntp	4.2.8p15	MIT and BSD and BSD with advertising
ntp-dp	4.2.8p15	MIT and BSD and BSD with advertising
ntpdate	4.2.8p15	MIT and BSD and BSD with advertising
ntpstat	0.5	MIT
numactl-libs	2.0.12	LGPLv2 and GPLv2
oniguruma5php	6.9.7.1	BSD
open-vm-tools	12.1.0	GPLv2
openjpeg2	2.4.0	BSD and MIT
openldap	2.4.46	OpenLDAP
openldap-clients	2.4.46	OpenLDAP
opensaml-schemas	3.2.0	Apache-2.0
openssh	8.0p1	BSD

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NAME	VERSION	LICENSE TYPE
openssh-clients	8.0p1	BSD
openssh-server	8.0p1	BSD
openssl	1.1.1g	OpenSSL and ASL 2.0
openssl-dp	1.1.1g	OpenSSL and ASL 2.0
openssl-dp-libs	1.1.1g	OpenSSL and ASL 2.0
openssl-dpt13	1.1.1a	OpenSSL
openssl-libs	1.1.1g	OpenSSL and ASL 2.0
openwsman-client	2.6.5	BSD
openwsman-server	2.6.5	BSD
oprofile	0.9.9	GPLv2+ and LGPLv2+
p11-kit	0.23.22	BSD
p11-kit-trust	0.23.22	BSD
pam	1.3.1	BSD and GPLv2+
pam_krb5	2.4.8	BSD or LGPLv2+
panos-release	8.3	GPLv2
parted	3.2	GPLv3+
passwd	0.8	BSD or GPL+
pciutils	3.6.4	GPLv2+
pciutils-libs	3.6.4	GPLv2+
pcre	8.42	BSD
pcre2	10.32	BSD
perf	4.18.0	GPLv2
phantomjs	1.9.8	BSD
php	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA

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NAME	VERSION	LICENSE TYPE
php-bcmath	7.4.33	PHP and LGPLv2+
php-cli	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA and PostgreSQL
php-common	7.4.33	PHP and BSD
php-embedded	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-fpm	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-gmp	7.4.33	PHP
php-json	7.4.33	PHP
php-mbstring	7.4.33	PHP and LGPLv2 and OpenLDAP
php-mysqlnd	7.4.33	PHP
php-pdo	7.4.33	PHP
php-pecl-mongodb	1.9.1	ASL 2.0
php-xml	7.4.33	PHP
pinentry	1.1.0	GPLv2+
pkgconf	1.4.2	ISC
pkgconf-m4	1.4.2	GPLv2+ with exceptions
pkgconf-pkg-config	1.4.2	ISC
platform-python	3.6.8	Python
platform-python-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
platform-python-setuptools	39.2.0	MIT
policycoreutils	2.9	GPLv2
popt	1.16	MIT
pprof	2.4	BSD

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NAME	VERSION	LICENSE TYPE
procps-ng	3.3.15	GPL+ and GPLv2 and GPLv2+ and GPLv3+ and LGPLv2+
protobuf	3.5.0	BSD
psmisc	23.1	GPLv2+
pth	2.0.7	LGPLv2+
publicsuffix-list-dafsa	20180723	MPLv2.0
pybloomfiltermmap3	0.4.15	MIT License
pycrypto	2.6.1	Public Domain
python-collectd-cloudwatch	0.0.2	MIT
python-libevent	0.9.2	LGPL
python3-asn1crypto	0.24.0	MIT
python3-audit	3	LGPLv2+
python3-bind	9.11.36	MPLv2.0
python3-bloom	0.10.0	BSD
python3-boto3	1.15.15	ASL 2.0
python3-botocore	1.18.15	ASL 2.0
python3-bson	3.7.0	ASL 2.0 and MIT
python3-catkin_pkg	0.4.23	BSD
python3-cffi	1.11.5	MIT
python3-chardet	3.0.4	LGPLv2
python3-cryptography	3.2.1	ASL 2.0 or BSD
python3-dateutil	2.6.1	BSD
python3-distro	1.4.0	ASL 2.0
python3-docutils	0.14	Public Domain and BSD and Python and GPLv3+

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NAME	VERSION	LICENSE TYPE
python3-empy	3.3.4	LGPLv2+
python3-fasteners	0.14.1	ASL 2.0
python3-httplib2	0.10.3	MIT
python3-idna	2.5	BSD and Python and Unicode
python3-jmespath	0.9.0	MIT
python3-libs	3.6.8	Python
python3-libxml2	2.9.7	MIT
python3-m2crypto	0.35.2	MIT
python3-oauth2client	4.1.3	ASL 2.0
python3-pexpect	4.3.1	MIT
python3-pillow	5.1.1	MIT
python3-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
python3-pip-wheel	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
python3-ply	3.9	BSD
python3-psutil	5.6.4	BSD
python3-ptyprocess	0.5.2	ISC
python3-pyasn1	0.3.7	BSD
python3-pyasn1-modules	0.3.7	BSD
python3-pycparser	2.14	BSD
python3-pycurl	7.43.0.2	LGPLv2+ or MIT
python3-pymongo	3.7.0	ASL 2.0 and MIT
python3-pyOpenSSL	18.0.0	ASL 2.0

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NAME	VERSION	LICENSE TYPE
python3-pyparsing	2.1.10	MIT
python3-pypdf2	1.26.0	BSD
python3-pytz	2019.3	MIT
python3-pyyaml	3.12	MIT
python3-reportlab	3.4.0	BSD
python3-requests	2.20.0	ASL 2.0
python3-rosdep	0.19.0	BSD
python3-rosdistro	0.8.3	BSD and MIT
python3-rospkg	1.2.8	BSD
python3-rpm	4.14.3	GPLv2+
python3-s3transfer	0.3.4	ASL 2.0
python3-setuptools	39.2.0	MIT
python3-setuptools-wheel	39.2.0	MIT
python3-six	1.11.0	MIT
python3-uritemplate	3.0.0	BSD
python3-urlgrabber	4.1.0	LGPLv2+
python3-urllib3	1.24.2	MIT
python3-vcstool	0.2.15	ASL 2.0
python3-vcstools	0.1.42	BSD
python36	3.6.8	Python
quota	4.04	BSD and GPLv2 and GPLv2+
quota-nls	4.04	BSD and LGPLv2+ and GPLv2 and GPLv2+
rcs	5.10.0	GPLv3+
rdma-core	29	GPLv2 or BSD

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NAME	VERSION	LICENSE TYPE
readline	7	GPLv3+
redis	6.2.6	BSD and MIT
rootfiles	8.1	Public Domain
rpcbind	1.2.5	BSD
rpm	4.14.3	GPLv2+
rpm-build-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rpm-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rpm-plugin-selinux	4.14.3	GPLv2+
rsa	4.8	Apache License Version 2.0
rsync	3.1.3	GPLv3+
samba-client-libs	4.14.5	GPLv3+ and LGPLv3+
samba-common	4.14.5	GPLv3+ and LGPLv3+
samba-common-libs	4.14.5	GPLv3+ and LGPLv3+
sbsigntools	0.9.2	GPLv3+
scrub	2.5.2	GPLv2+
sed	4.5	GPLv3+
selinux-policy	3.14.3	GPLv2+
selinux-policy-targeted	3.14.3	GPLv2+
setup	2.12.2	Public Domain
shadow-utils	4.6	BSD and GPLv2+
shim-x64	15	BSD
smartmontools	7.1	GPLv2+
snappy	1.1.8	BSD

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NAME	VERSION	LICENSE TYPE
sqlite	3.26.0	Public Domain
sqlite-libs	3.26.0	Public Domain
squashfs-tools	4.3	GPLv2+
sscep	0.9.0	BSD
sshpass	1.06	GPLv2
sysfsutils	2.1.0	GPLv2
syslinux	6.04	GPLv2+
syslog-ng	3.29.1	GPLv2+
sysstat	11.7.3	GPLv2+
SysVinit	2.86	GPL
tacacs	1	metaswitch
tar	1.3	GPLv3+
tcp_wrappers	7.6	BSD
tcp_wrappers-libs	7.6	BSD
tcpdump	4.9.3	BSD with advertising
td-agent-bit	1.8.110	Apache v2.0
tecla	1.6.3	X11
telnet	0.17	BSD
telnet-server	0.17	BSD
tftp	5.2	BSD
tftp-server	5.2	BSD
timedatex	0.5	GPLv2+
tpm2-tss	2.3.2	BSD
traceroute	2.1.0	GPLv2+

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NAME	VERSION	LICENSE TYPE
tzdata	2023c	Public Domain
udev	127	GPLv2
unixODBC	2.3.7	GPLv2+ and LGPLv2+
ustr	1.0.4	MIT or LGPLv2+ or BSD
util-linux	2.32.1	GPLv2 and GPLv2+ and LGPLv2+ and BSD with advertising and Public Domain
util-linux-dp	2.32.1	GPLv2
util-linux-user	2.32.1	GPLv2
vconfig	1.9	GPL
vectorscan	5.4.6	BSD
vim-minimal	8.0.1763	Vim and MIT
virt-what	1.18	GPLv2+
vixie-cron	4.1	distributable
waofflinevmod	4.3.3.501	OPSWAT
wget	1.19.5	GPLv3+
which	2.21	GPLv3
wmi	1.3.13	GNU GPL Version 2
wpaeapol	2.9	BSD
xdelta	3.1.0	ASL 2.0
xe-guest-utilities-latest	7.21.0	BSD
xinetd	2.3.15	xinetd
xmlsec1	1.2.25	MIT
xmlsec1-openssl	1.2.25	MIT
xmltodict	0.12.0	MIT

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NAME	VERSION	LICENSE TYPE
xmltooling-schemas	3.2.0	Apache-2.0
xz	5.2.4	GPLv2+ and Public Domain
xz-libs	5.2.4	Public Domain
zlib	1.2.11	zlib and Boost

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PAN-OS 11.0 OSS Listing

The following list displays the Open-Source Software (OSS) versions and licenses used in our PAN-OS® 11.0 software. It is our goal to capture and provide here the version of each component used in the latest maintenance release of this feature release. We recommend that, if you haven't already, you upgrade to the latest recommended maintenance release to ensure that you have all available fixes, enhancements, and vulnerability updates for your products.

For some OSS components, we may include and distribute multiple OSS versions for deployment on and for use with different Palo Alto Networks products to deliver the different features and functionality available on those products. However, we do not attempt to capture these differences in detail or per product in these OSS listings. To confirm which versions are running on your product when there is more than one version listed, ***Sign in*** *to your Palo Alto Networks account on the* Customer Support Portal *and open a ticket to request the information for your specific products.*

NAME	VERSION	LICENSE TYPE
acl	2.2.53	GPLv2+
acpid	2.0.30	GPLv2+
apr	1.6.3	ASL 2.0 and BSD with advertising and ISC and BSD
apr-util	1.6.1	ASL 2.0
audit	3	GPLv2+
audit-libs	3	LGPLv2+
basesystem	11	Public Domain
bash	4.4.19	GPLv3+
beecrypt	4.2.1	LGPLv2+
bind	9.11.36	MPLv2.0
bind-export-libs	9.11.36	MPLv2.0
bind-libs	9.11.36	MPLv2.0
bind-libs-lite	9.11.36	MPLv2.0
bind-license	9.11.36	MPLv2.0
bind-utils	9.11.36	MPLv2.0

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NAME	VERSION	LICENSE TYPE
binutils	2.3	GPLv3+
bonnie++	1.98	GPLv2
brotli	1.0.6	MIT
busybox-dp	11.0.6.1	GPL
bzip2	1.0.6	BSD
bzip2-libs	1.0.6	BSD
c-ares	1.13.0	MIT
chicken	3.0.0	BSD
chkconfig	1.13	GPLv2
cjose	0.6.1	MIT
cjson	1	MIT and ASL 2.0
coreutils	8.3	GPLv3+
coreutils-common	8.3	GPLv3+
cpio	2.12	GPLv3+
cpp	7.3.0	GPL
cpp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
cracklib	2.9.6	LGPLv2+
cracklib-dicts	2.9.6	LGPLv2+
crontabs	1.11	Public Domain and GPLv2
crypto-policies	20200713	LGPLv2+
crypto-policies-scripts	20200713	LGPLv2+
CUnit	2.1.3	LGPLv2+
curl-minimal	7.61.1	MIT

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NAME	VERSION	LICENSE TYPE
dejavu-fonts-common	2.35	Bitstream Vera and Public Domain
dejavu-sans-fonts	2.35	Bitstream Vera and Public Domain
device-mapper	1.02.171	GPLv2
device-mapper-libs	1.02.171	LGPLv2
device-nodes	8.0.0	Public Domain
dhcp-client	4.3.6	ISC
dhcp-common	4.3.6	ISC
dhcp-devel	4.3.6	ISC
dhcp-libs	4.3.6	ISC
dhcp-server	4.3.6	ISC
diffutils	3.6	GPLv3+
dmidecode	3.2	GPLv2+
dosfstools	4.1	GPLv3+
dpdk-vm	20.11.8	BSD and LGPLv2 and GPLv2
dracut	49	GPLv2+ and LGPLv2+
dracut-network	49	GPLv2+ and LGPLv2+
dracut-squash	49	GPLv2+ and LGPLv2+
e2fsprogs	1.45.6	GPLv2
e2fsprogs-libs	1.45.6	GPLv2 and LGPLv2
efitools	1.9.2	GPLv2
efivar	37	LGPL-2.1
efivar-libs	37	LGPL-2.1
elfutils-default-yama-scope	0.18	GPLv2+ or LGPLv3+
elfutils-libelf	0.18	GPLv2+ or LGPLv3+

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NAME	VERSION	LICENSE TYPE
elfutils-libs	0.18	GPLv2+ or LGPLv3+
envoy-proxy	v1	Apache License
etcd	3.2.21	ASL 2.0
ethtool	5	GPLv2
eventlog	0.2.12	BSD-like
expat	2.2.5	MIT
fastlz	0.1.0	MIT
file	5.33	BSD
file-libs	5.33	BSD
filesystem	3.8	Public Domain
findutils	4.6.0	GPLv3+
fipscheck	1.5.0	BSD
fipscheck-lib	1.5.0	BSD
flashrom	1.2	GPLv2
flatcc	0.6.1	Apache License Version 2.0
fontconfig	2.13.1	MIT and Public Domain and UCD
fontpackages-filesystem	1.44	Public Domain
fping	4.2	BSD with advertising
freetype	2.9.1	(FTL or GPLv2+) and BSD and MIT and Public Domain and zlib with acknowledgement
frr	8.0_dpd	GPLv2+
fuse	2.9.7	GPL+
fuse-common	3.2.1	GPL+
fuse-libs	2.9.7	LGPLv2+

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NAME	VERSION	LICENSE TYPE
gawk	4.2.1	GPLv3+ and GPLv2+ and LGPLv2+ and BSD
gc	7.6.4	BSD
gdb	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL+ and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdb-headless	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL+ and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdbm	1.18	GPLv3+
gdbm-libs	1.18	GPLv3+
gdisk	1.0.3	GPLv2
glib2	2.56.4	LGPLv2+
glibc	2.27	LGPL
glibc	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-common	2.27	LGPL
glibc-common	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-debuginfo	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL

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NAME	VERSION	LICENSE TYPE
glibc-debuginfo-common	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-langpack-en	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
gmp	6.1.2	LGPLv3+ or GPLv2+
gnupg2	2.2.20	GPLv3+
gnutls	3.6.16	GPLv3+ and LGPLv2+
google-api-python-client	1.12.8	Apache 2.0
google-auth	1.26.1	Apache 2.0
google-auth-httplib2	0.0.4	Apache 2.0
google-cloud-core	1.6.0	Apache 2.0
google-cloud-monitoring	2.0.0	Apache 2.0
google-cloud-storage	1.36.0	Apache 2.0
googleapis-common-protos	1.52.0	Apache-2.0
gperftools-devel	2.4	BSD
gperftools-libs	2.4	BSD
gpgme	1.13.1	LGPLv2+
grep	3.1	GPLv3+
grpc	v1.30.0	GPLv2
grub	6.0.97	GPL
grub	7.0.97	GPLv2+
grub-cfg	11.0.6.1	GPL

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NAME	VERSION	LICENSE TYPE
grub2-efi-x64	2.02	GPLv3+
grub2-noraid-efi-x64	2.02	GPLv3+
gsoap	2.8.6	gsoap
guile	2.0.14	LGPLv3+
gzip	1.9	GPLv3+ and GFDL
hiredis	1.0.2	BSD
hostname	3.2	GPLv2+
httpd	2.4.37	ASL 2.0
httpd-filesystem	2.4.37	ASL 2.0
httpd-tools	2.4.37	ASL 2.0
hwdata	0.314	GPLv2+
hyperscan	4.2.0	BSD License
hyperscan5	5.3.0	BSD License
i2c-tools	4.3	GPLv2+
ima-evm-utils	1.1	GPLv2
info	6.5	GPLv3+
initscripts	8.45.17	GPL
initscripts-utils	8.45.17	GPL
insydeh2offt_x86_linux64	200.01.00.02	Insyde
insydeh2offt_x86_linux64	200.01.00.05	Insyde
intel-ipsec-mb	1.3.0	BSD
intel-ipsec-mb-devel	1.3.0	BSD
intel-nvm	1	Intel
Intel-Qat	1.1.1a	BSD License.

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NAME	VERSION	LICENSE TYPE
ipcalc	0.2.4	GPLv2+
iproute	5.3.0	GPLv2+ and Public Domain
iptables	1.4.21	GPLv2
iptables	1.8.4	GPLv2 and Artistic 2.0 and ISC
iptables-libs	1.8.4	GPLv2 and Artistic 2.0 and ISC
iptables-utils	1.4.21	GPLv2
iptables-utils	1.8.4	GPLv2 and Artistic 2.0 and ISC
iputils	20180629	BSD and GPLv2+
iputils-dp	20180629	BSD and GPLv2+
irqbalance	1.4.0	GPLv2
ivykis	0.42.4	LGPLv2+
jansson	2.11	MIT
json-c	0.13.1	MIT
kernel-core	4.18.0	GPLv2 and Redistributable, no modification permitted
kernel-kdump-kdump	5.14.0	GPLv2 and Redistributable, no modification permitted
kernel-modules	4.18.0	GPLv2 and Redistributable, no modification permitted
kernel-modules-extra	4.18.0	GPLv2 and Redistributable, no modification permitted
kernel-octeon2-dp	3.10.87	GPLv2
kernel-octeon2-lfp	3.10.87	GPLv2
kernel-octeon2-mp	3.10.87	GPLv2
kexec-tools	2.0.20	GPLv2
keyutils	1.5.10	GPLv2+ and LGPLv2+

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NAME	VERSION	LICENSE TYPE
keyutils-libs	1.5.10	GPLv2+ and LGPLv2+
kmod	25	GPLv2+
kmod-libs	25	LGPLv2+
krb5-libs	1.18.2	MIT
krb5-workstation	1.18.2	MIT
lcms2	2.9	MIT
less	530	GPLv3+ or BSD
leveldb	1.22	BSD
libacl	2.2.53	LGPLv2+
libamdsecrng	3.1.0	AMD (EULA)
libamqp	1.0.0	MIT
libarchive	3.3.2	BSD
libassuan	2.5.1	LGPLv2+ and GPLv3+
libatomic_ops	7.6.2	GPLv2 and MIT
libattr	2.4.48	LGPLv2+
libbabeltrace	1.5.4	MIT and GPLv2
libblkid	2.32.1	LGPLv2+
libbpf	0.2.0	BSD 2-clause GNU LGPL v2.1
libbson	1.17.6	ASL 2.0 and ISC and MIT and zlib
libcap	2.48	BSD or GPLv2
libcap-ng	0.7.9	LGPLv2+
libcom_err	1.45.6	MIT
libcurl-minimal	7.61.1	MIT
libdb	5.3.28	BSD and LGPLv2 and Sleepycat

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NAME	VERSION	LICENSE TYPE
libdb-utils	5.3.28	BSD and LGPLv2 and Sleepycat
libdrng	1.0.4	Intel (3-clause BSD)
libedit	3.1	BSD
libedit1	2.11	libedit
libevent	2.1.8	BSD and ISC
libfdisk	2.32.1	LGPLv2+
libffi	3.1	MIT
libftdi	1.4	LGPLv2
libgcc	7.3.0	LGPL
libgcc	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgcrypt	1.8.5	LGPLv2+
libgomp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgpg-error	1.31	LGPLv2+
libi2c	4.3	LGPLv2+
libibverbs	29	GPLv2 or BSD
libicu	60.3	MIT and UCD and Public Domain
libidn	1.34	LGPLv2+ and GPLv3+ and GFDL
libidn2	2.2.0	(GPLv2+ or LGPLv3+) and GPLv3+
libipt	1.6.1	BSD
libjpeg-turbo	1.5.3	IJG
libkadm5	1.18.2	MIT
libksba	1.3.5	(LGPLv3+ or GPLv2+) and GPLv3+

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NAME	VERSION	LICENSE TYPE
libldb	2.3.0	LGPLv3+
liblog4shib2	2.0.0	LGPL
libmaxminddb	1.2.0	ASL 2.0 and BSD
libmcrypt	2.5.8	LGPLv2+
libmetalink	0.1.3	MIT
libmnl	1.0.4	LGPLv2+
libmongocrypt	1.2.0	ASL 2.0 and ISC
libmount	2.32.1	LGPLv2+
libmpc	1.0.2	LGPLv3+ and GFDL
libnet	1.1.6	BSD
libnetfilter_conntrack	1.0.6	GPLv2+
libnfnetlink	1.0.1	GPLv2+
libnfsidmap	2.3.3	BSD
libnftnl	1.1.5	GPLv2+
libnghttp2	1.33.0	MIT
libnl3	3.5.0	LGPLv2
libnsl	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
libnsl2	1.2.0	BSD and LGPLv2+
libpcap	1.9.1	BSD with advertising
libpkgconf	1.4.2	ISC
libpng	1.6.34	zlib
libpsl	0.20.2	MIT

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NAME	VERSION	LICENSE TYPE
libpwquality	1.4.0	BSD or GPLv2+
libradius	1	libradius
libsaml12	3.2.0	Apache-2.0
libseccomp	2.4.3	LGPLv2
libsecret	0.18.6	LGPLv2+
libselinux	2.9	Public Domain
libselinux-utils	2.9	Public Domain
libsemanage	2.9	LGPLv2+
libsepol	2.9	LGPLv2+
libsigsegv	2.11	GPLv2+
libsmartcols	2.32.1	LGPLv2+
libsmbclient	4.14.5	GPLv3+ and LGPLv3+
libss	1.45.6	MIT
libstdc++	7.3.0	GPL
libstdc++	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libsysfs	2.1.0	LGPLv2+
libtalloc	2.3.2	LGPLv3+
libtasn1	4.13	GPLv3+ and LGPLv2+
libtdb	1.4.3	LGPLv3+
libtecla	1.6.1	X11
libtevent	0.10.2	LGPLv3+
libtiff	4.0.9	libtiff
libtirpc	1.1.4	SISSL and BSD

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NAME	VERSION	LICENSE TYPE
libtool-ltdl	2.4.6	LGPLv2+
libunistring	0.9.9	GPLv2+ or LGPLv3+
libunwind	1.3.1	BSD
libusbx	1.0.23	LGPLv2+
libuser	0.62	LGPLv2+
libuuid	2.32.1	BSD
libverto	0.3.0	MIT
libvolume_id	127	GPLv2
libwbclient	4.14.5	GPLv3+ and LGPLv3+
libwsman1	2.6.5	BSD
libxcrypt	4.1.1	LGPLv2+ and BSD and Public Domain
libxerces-c-3_2	3.2.3	Apache
libxml-security-c20	2.0.2	Apache 2.0
libxml2	2.9.7	MIT
libxmltooling10	3.2.0	Apache-2.0
libxslt	1.1.32	MIT
libyaml	0.1.7	MIT
libyang2	2.0.7	BSD-3-Clause
libzip	1.6.1	BSD
libzstd	1.4.4	BSD and GPLv2
linux-firmware	20200619	GPL+ and GPLv2+ and MIT and Redistributable, no modification permitted
lm_sensors	3.4.0	GPLv2+ and Verbatim and MIT
lm_sensors-libs	3.4.0	LGPLv2+

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NAME	VERSION	LICENSE TYPE
lmdb-libs	0.9.24	OpenLDAP
lockdev	1.0.4	LGPLv2
logrotate	3.14.0	GPLv2+
lrzsz	0.12.20	GPLv2+
lsof	4.93.2	zlib and Sendmail and LGPLv2+
lua	5.3.4	MIT
lua-libs	5.3.4	MIT
lz4	1.8.3	GPLv2+ and BSD
lz4-libs	1.8.3	GPLv2+ and BSD
lzo	2.08	GPLv2+
mailx	12.5	BSD with advertising and MPLv1.1
MAKEDEV	3.23	GPL
mariadb-connector-c	3.1.11	LGPLv2+
mariadb-connector-c-config	3.1.11	LGPLv2+
mcelog	144	GPLv2
mdadm	4.1	GPLv2+
mingetty	1.07	GPL
minicom	2.7.1	GPLv2+ and LGPLv2+ and Public Domain
mlnx-ofa_kernel-modules	4.9	GPLv2
mmc-utils	1	GPLv2
modules-intel-mp	11.0.6.1	GPLv2
modules-intel-mp-vm	11.0.6.1	GPLv2
mongo	1	metaswitch
mongo-c-driver-libs	1.17.6	ASL 2.0 and ISC and MIT and zlib

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NAME	VERSION	LICENSE TYPE
mongodb	3.6.19	SSPL v1
mpfr	3.1.6	LGPLv3+ and GPLv3+ and GFDL
ms2frr	11.1.134	(NetDEF)
mtdutils	1.0.0	GPL
ncurses	6.1	MIT
ncurses-base	6.1	MIT
ncurses-libs	6.1	MIT
ncurses-term	6.1	MIT
net-snmp	5.8	BSD
net-snmp-agent-libs	5.8	BSD
net-snmp-libs	5.8	BSD
net-snmp-utils	5.8	BSD
net-tools	2	GPLv2+
nettle	3.4.1	LGPLv3+ or GPLv2+
nfs-utils	2.3.3	MIT and GPLv2 and GPLv2+ and BSD
nginx-bin	1.18.0	BSD
nginx-filesystem	1.18.0	BSD
npth	1.5	LGPLv2+
nspr	4.35.0	MPLv2.0
nss	3.90.0	MPLv2.0
nss-pam-ldapd	0.9.9	LGPLv2+
nss-softokn	3.90.0	MPLv2.0
nss-softokn-freebl	3.90.0	MPLv2.0
nss-sysinit	3.90.0	MPLv2.0

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NAME	VERSION	LICENSE TYPE
nss-tools	3.90.0	MPLv2.0
nss-util	3.90.0	MPLv2.0
ntfs-3g	2017.3.23	GPLv2+
ntfsprogs	2017.3.23	GPLv2+
ntp	4.2.8p15	MIT and BSD and BSD with advertising
ntp-dp	4.2.8p15	MIT and BSD and BSD with advertising
ntpdate	4.2.8p15	MIT and BSD and BSD with advertising
ntpstat	0.5	MIT
numactl-libs	2.0.12	LGPLv2 and GPLv2
oniguruma5php	6.9.7.1	BSD
open-vm-tools	10.3.10	GPLv2
openjpeg2	2.4.0	BSD and MIT
openldap	2.4.46	OpenLDAP
openldap-clients	2.4.46	OpenLDAP
opensaml-schemas	3.2.0	Apache-2.0
openssh	8.0p1	BSD
openssh-clients	8.0p1	BSD
openssh-server	8.0p1	BSD
openssl	1.1.1g	OpenSSL and ASL 2.0
openssl-dp	1.1.1g	OpenSSL and ASL 2.0
openssl-dp-libs	1.1.1g	OpenSSL and ASL 2.0
openssl-dpt13	1.1.1a	OpenSSL
openssl-libs	1.1.1g	OpenSSL and ASL 2.0

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NAME	VERSION	LICENSE TYPE
openwsman-client	2.6.5	BSD
openwsman-server	2.6.5	BSD
oprofile	0.9.9	GPLv2+ and LGPLv2+
p11-kit	0.23.14	BSD
p11-kit-trust	0.23.14	BSD
pam	1.3.1	BSD and GPLv2+
pam_krb5	2.4.8	BSD or LGPLv2+
panos-release	8.3	GPLv2
parted	3.2	GPLv3+
passwd	0.8	BSD or GPL+
pciutils	3.6.4	GPLv2+
pciutils-libs	3.6.4	GPLv2+
pcre	8.42	BSD
pcre2	10.32	BSD
perf	4.18.0	GPLv2
phantomjs	1.9.8	BSD
php	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-bcmath	7.4.33	PHP and LGPLv2+
php-cli	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA and PostgreSQL
php-common	7.4.33	PHP and BSD
php-embedded	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-fpm	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA

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NAME	VERSION	LICENSE TYPE
php-gmp	7.4.33	PHP
php-json	7.4.33	PHP
php-mbstring	7.4.33	PHP and LGPLv2 and OpenLDAP
php-mysqlnd	7.4.33	PHP
php-pdo	7.4.33	PHP
php-pecl-mongodb	1.9.1	ASL 2.0
php-xml	7.4.33	PHP
pinentry	1.1.0	GPLv2+
pkgconf	1.4.2	ISC
pkgconf-m4	1.4.2	GPLv2+ with exceptions
pkgconf-pkg-config	1.4.2	ISC
platform-python	3.6.8	Python
platform-python-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
platform-python-setuptools	39.2.0	MIT
policycoreutils	2.9	GPLv2
popt	1.16	MIT
pprof	2.4	BSD
procps-ng	3.3.15	GPL+ and GPLv2 and GPLv2+ and GPLv3+ and LGPLv2+
protobuf	3.5.0	BSD
psmisc	23.1	GPLv2+
pth	2.0.7	LGPLv2+
publicsuffix-list-dafsa	20180723	MPLv2.0
pybloomfiltermmap3	0.4.15	MIT License

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NAME	VERSION	LICENSE TYPE
pycrypto	2.6.1	Public Domain
python-collectd-cloudwatch	0.0.2	MIT
python-libevent	0.9.2	LGPL
python3-asn1crypto	0.24.0	MIT
python3-audit	3	LGPLv2+
python3-bind	9.11.36	MPLv2.0
python3-bloom	0.10.0	BSD
python3-boto3	1.15.15	ASL 2.0
python3-botocore	1.18.15	ASL 2.0
python3-bson	3.7.0	ASL 2.0 and MIT
python3-catkin_pkg	0.4.23	BSD
python3-cffi	1.11.5	MIT
python3-chardet	3.0.4	LGPLv2
python3-cryptography	3.2.1	ASL 2.0 or BSD
python3-dateutil	2.6.1	BSD
python3-distro	1.4.0	ASL 2.0
python3-docutils	0.14	Public Domain and BSD and Python and GPLv3+
python3-empy	3.3.4	LGPLv2+
python3-fasteners	0.14.1	ASL 2.0
python3-httplib2	0.10.3	MIT
python3-idna	2.5	BSD and Python and Unicode
python3-jmespath	0.9.0	MIT
python3-libs	3.6.8	Python
python3-libxml2	2.9.7	MIT

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NAME	VERSION	LICENSE TYPE
python3-m2crypto	0.35.2	MIT
python3-oauth2client	4.1.3	ASL 2.0
python3-pexpect	4.3.1	MIT
python3-pillow	5.1.1	MIT
python3-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
python3-pip-wheel	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
python3-ply	3.9	BSD
python3-psutil	5.6.4	BSD
python3-ptyprocess	0.5.2	ISC
python3-pyasn1	0.3.7	BSD
python3-pyasn1-modules	0.3.7	BSD
python3-pycparser	2.14	BSD
python3-pycurl	7.43.0.2	LGPLv2+ or MIT
python3-pymongo	3.7.0	ASL 2.0 and MIT
python3-pyOpenSSL	18.0.0	ASL 2.0
python3-pyparsing	2.1.10	MIT
python3-pypdf2	1.26.0	BSD
python3-pytz	2019.3	MIT
python3-pyyaml	3.12	MIT
python3-reportlab	3.4.0	BSD
python3-requests	2.20.0	ASL 2.0
python3-rosdep	0.19.0	BSD

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NAME	VERSION	LICENSE TYPE
python3-rosdistro	0.8.3	BSD and MIT
python3-rospkg	1.2.8	BSD
python3-rpm	4.14.3	GPLv2+
python3-s3transfer	0.3.4	ASL 2.0
python3-setuptools	39.2.0	MIT
python3-setuptools-wheel	39.2.0	MIT
python3-six	1.11.0	MIT
python3-uritemplate	3.0.0	BSD
python3-urlgrabber	4.1.0	LGPLv2+
python3-urllib3	1.24.2	MIT
python3-vcstools	0.1.42	BSD
python36	3.6.8	Python
quota	4.04	BSD and GPLv2 and GPLv2+
quota-nls	4.04	BSD and LGPLv2+ and GPLv2 and GPLv2+
rcs	5.10.0	GPLv3+
rdma-core	29	GPLv2 or BSD
readline	7	GPLv3+
redis	6.2.6	BSD and MIT
rootfiles	8.1	Public Domain
rpcbind	1.2.5	BSD
rpm	4.14.3	GPLv2+
rpm-build-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rpm-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions

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NAME	VERSION	LICENSE TYPE
rsa	4.8	Apache License Version 2.0
samba-client-libs	4.14.5	GPLv3+ and LGPLv3+
samba-common	4.14.5	GPLv3+ and LGPLv3+
samba-common-libs	4.14.5	GPLv3+ and LGPLv3+
sbsigntools	0.9.2	GPLv3+
scrub	2.5.2	GPLv2+
sed	4.5	GPLv3+
setup	2.12.2	Public Domain
shadow-utils	4.6	BSD and GPLv2+
shim-x64	15	BSD
smartmontools	7.1	GPLv2+
snappy	1.1.8	BSD
sqlite	3.26.0	Public Domain
sqlite-libs	3.26.0	Public Domain
squashfs-tools	4.3	GPLv2+
sscep	0.9.0	BSD
sshpass	1.06	GPLv2
sysfsutils	2.1.0	GPLv2
syslinux	6.04	GPLv2+
syslog-ng	3.29.1	GPLv2+
sysstat	11.7.3	GPLv2+
SysVinit	2.86	GPL
tacacs	1	metaswitch
tar	1.3	GPLv3+

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NAME	VERSION	LICENSE TYPE
tcp_wrappers	7.6	BSD
tcp_wrappers-libs	7.6	BSD
tcpdump	4.9.3	BSD with advertising
tecla	1.6.3	X11
telnet	0.17	BSD
telnet-server	0.17	BSD
tftp	5.2	BSD
tftp-server	5.2	BSD
timedatex	0.5	GPLv2+
tpm2-tss	2.3.2	BSD
traceroute	2.1.0	GPLv2+
tzdata	2023c	Public Domain
udev	127	GPLv2
unixODBC	2.3.7	GPLv2+ and LGPLv2+
ustr	1.0.4	MIT or LGPLv2+ or BSD
util-linux	2.32.1	GPLv2 and GPLv2+ and LGPLv2+ and BSD with advertising and Public Domain
util-linux-dp	2.32.1	GPLv2
util-linux-user	2.32.1	GPLv2
vconfig	1.9	GPL
vim-minimal	8.0.1763	Vim and MIT
virt-what	1.18	GPLv2+
vixie-cron	4.1	distributable
waofflinevmod	4.3.3.501	OPSWAT

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NAME	VERSION	LICENSE TYPE
wget	1.19.5	GPLv3+
which	2.21	GPLv3
wmi	1.3.13	GNU GPL Version 2
wpaeapol	2.9	BSD
xdelta	3.1.0	ASL 2.0
xe-guest-utilities-latest	7.21.0	BSD
xinetd	2.3.15	xinetd
xmlsec1	1.2.25	MIT
xmlsec1-openssl	1.2.25	MIT
xmltodict	0.12.0	MIT
xmltooling-schemas	3.2.0	Apache-2.0
xz	5.2.4	GPLv2+ and Public Domain
xz-libs	5.2.4	Public Domain
zlib	1.2.11	zlib and Boost

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PAN-OS 10.2 OSS Listing

The following list displays the Open-Source Software (OSS) versions and licenses used in our PAN-OS® 10.2 software. It is our goal to capture and provide here the version of each component used in the latest maintenance release of this feature release. We recommend that, if you haven't already, you upgrade to the latest recommended maintenance release to ensure that you have all available fixes, enhancements, and vulnerability updates for your products.

For some OSS components, we may include and distribute multiple OSS versions for deployment on and for use with different Palo Alto Networks products to deliver the different features and functionality available on those products. However, we do not attempt to capture these differences in detail or per product in these OSS listings. To confirm which versions are running on your product when there is more than one version listed, ***Sign in*** *to your Palo Alto Networks account on the* Customer Support Portal *and open a ticket to request the information for your specific products.*

NAME	VERSION	LICENSE TYPE
acl	2.2.53	GPLv2+
acpid	2.0.30	GPLv2+
apr	1.6.3	ASL 2.0 and BSD with advertising and ISC and BSD
apr-util	1.6.1	ASL 2.0
audit	3	GPLv2+
audit-libs	3	LGPLv2+
basesystem	11	Public Domain
bash	4.4.19	GPLv3+
beecrypt	4.2.1	LGPLv2+
bind	9.11.36	MPLv2.0
bind-export-libs	9.11.36	MPLv2.0
bind-libs	9.11.36	MPLv2.0
bind-libs-lite	9.11.36	MPLv2.0
bind-license	9.11.36	MPLv2.0
bind-utils	9.11.36	MPLv2.0

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NAME	VERSION	LICENSE TYPE
binutils	2.3	GPLv3+
bonnie++	1.98	GPLv2
brotli	1.0.6	MIT
busybox-dp	10.2.14.1	GPL
bzip2	1.0.6	BSD
bzip2-libs	1.0.6	BSD
c-ares	1.13.0	MIT
chicken	3.0.0	BSD
chkconfig	1.13	GPLv2
cjose	0.6.1	MIT
cjson	1	MIT and ASL 2.0
coreutils	8.3	GPLv3+
coreutils-common	8.3	GPLv3+
cpio	2.12	GPLv3+
cpp	7.3.0	GPL
cpp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
cracklib	2.9.6	LGPLv2+
cracklib-dicts	2.9.6	LGPLv2+
crontabs	1.11	Public Domain and GPLv2
crypto-policies	20200713	LGPLv2+
crypto-policies-scripts	20200713	LGPLv2+
CUnit	2.1.3	LGPLv2+
curl-minimal	7.61.1	MIT

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NAME	VERSION	LICENSE TYPE
cyrus-sasl-lib	2.1.27	BSD with advertising
dejavu-fonts-common	2.35	Bitstream Vera and Public Domain
dejavu-sans-fonts	2.35	Bitstream Vera and Public Domain
device-mapper	1.02.171	GPLv2
device-mapper-libs	1.02.171	LGPLv2
device-nodes	8.0.0	Public Domain
dhcp-client	4.3.6	ISC
dhcp-common	4.3.6	ISC
dhcp-devel	4.3.6	ISC
dhcp-libs	4.3.6	ISC
dhcp-server	4.3.6	ISC
diffutils	3.6	GPLv3+
dmidecode	3.2	GPLv2+
dosfstools	4.1	GPLv3+
dpdk-vm	20.11.8	BSD and LGPLv2 and GPLv2
dpdk-vm	21.11.1	BSD and LGPLv2 and GPLv2
dracut	49	GPLv2+ and LGPLv2+
dracut-network	49	GPLv2+ and LGPLv2+
dracut-squash	49	GPLv2+ and LGPLv2+
e2fsprogs	1.45.6	GPLv2
e2fsprogs-libs	1.45.6	GPLv2 and LGPLv2
efitools	1.9.2	GPLv2
efivar	37	LGPL-2.1
efivar-libs	37	LGPL-2.1

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NAME	VERSION	LICENSE TYPE
elfutils-default-yama-scope	0.18	GPLv2+ or LGPLv3+
elfutils-libelf	0.18	GPLv2+ or LGPLv3+
elfutils-libs	0.18	GPLv2+ or LGPLv3+
envoy-proxy	v1	Apache License
ethtool	5	GPLv2
eventlog	0.2.12	BSD-like
expat	2.2.5	MIT
fastlz	0.1.0	MIT
file	5.33	BSD
file-libs	5.33	BSD
filesystem	3.8	Public Domain
findutils	4.6.0	GPLv3+
fipscheck	1.5.0	BSD
fipscheck-lib	1.5.0	BSD
flashrom	1.2	GPLv2
flatcc	0.6.1	Apache License Version 2.0
fontconfig	2.13.1	MIT and Public Domain and UCD
fontpackages-filesystem	1.44	Public Domain
fping	4.2	BSD with advertising
freetype	2.9.1	(FTL or GPLv2+) and BSD and MIT and Public Domain and zlib with acknowledgement
frr	8.0_dpd	GPLv2+
fuse	2.9.7	GPL+
fuse-common	3.2.1	GPL+

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NAME	VERSION	LICENSE TYPE
fuse-libs	2.9.7	LGPLv2+
gawk	4.2.1	GPLv3+ and GPLv2+ and LGPLv2+ and BSD
gc	7.6.4	BSD
gdb	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL+ and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdb-headless	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL+ and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdbm	1.18	GPLv3+
gdbm-libs	1.18	GPLv3+
gdisk	1.0.3	GPLv2
glib2	2.56.4	LGPLv2+
glibc	2.27	LGPL
glibc	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-common	2.27	LGPL
glibc-common	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-langpack-en	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL

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NAME	VERSION	LICENSE TYPE
gmp	6.1.2	LGPLv3+ or GPLv2+
gnupg2	2.2.20	GPLv3+
gnutls	3.6.14	GPLv3+ and LGPLv2+
google-api-python-client	1.12.8	Apache 2.0
google-auth	1.26.1	Apache 2.0
google-auth-httplib2	0.0.4	Apache 2.0
google-cloud-core	1.6.0	Apache 2.0
google-cloud-monitoring	2.0.0	Apache 2.0
google-cloud-storage	1.36.0	Apache 2.0
googleapis-common-protos	1.52.0	Apache-2.0
gperftools-devel	2.4	BSD
gperftools-libs	2.4	BSD
gpgme	1.13.1	LGPLv2+
grep	3.1	GPLv3+
grpc	v1.30.0	GPLv2
grub	6.0.97	GPL
grub	7.0.97	GPLv2+
grub-cfg	10.2.14.1	GPL
grub2-efi-aa64	2.02	GPLv3+
grub2-efi-x64	2.02	GPLv3+
grub2-noraid-efi-x64	2.02	GPLv3+
gsoap	2.8.6	gsoap
guile	2.0.14	LGPLv3+
gzip	1.9	GPLv3+ and GFDL

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NAME	VERSION	LICENSE TYPE
hiredis	1.0.2	BSD
hostname	3.2	GPLv2+
httpd	2.4.37	ASL 2.0
httpd-filesystem	2.4.37	ASL 2.0
httpd-tools	2.4.37	ASL 2.0
hwdata	0.314	GPLv2+
hyperscan	4.2.0	BSD License
hyperscan5	5.3.0	BSD License
i2c-tools	4.3	GPLv2+
ima-evm-utils	1.1	GPLv2
info	6.5	GPLv3+
initscripts	8.45.17	GPL
initscripts-utils	8.45.17	GPL
insydeh2offt_x86_linux64	200.01.00.02	Insyde
insydeh2offt_x86_linux64	200.01.00.05	Insyde
intel-ipsec-mb	1.3.0	BSD
intel-ipsec-mb-devel	1.3.0	BSD
intel-nvm	1	Intel
Intel-Qat	1.1.1a	BSD License.
ipcalc	0.2.4	GPLv2+
iproute	5.3.0	GPLv2+ and Public Domain
iptables	1.4.21	GPLv2
iptables	1.8.4	GPLv2 and Artistic 2.0 and ISC
iptables-libs	1.8.4	GPLv2 and Artistic 2.0 and ISC

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NAME	VERSION	LICENSE TYPE
iptables-utils	1.4.21	GPLv2
iptables-utils	1.8.4	GPLv2 and Artistic 2.0 and ISC
iputils	20180629	BSD and GPLv2+
iputils-dp	20180629	BSD and GPLv2+
irqbalance	1.4.0	GPLv2
ivykis	0.42.4	LGPLv2+
jansson	2.11	MIT
json-c	0.13.1	MIT
kernel-core	4.18.0	GPLv2 and Redistributable, no modification permitted
kernel-kdump-kdump	5.14.0	GPLv2 and Redistributable, no modification permitted
kernel-modules	4.18.0	GPLv2 and Redistributable, no modification permitted
kernel-modules-extra	4.18.0	GPLv2 and Redistributable, no modification permitted
kernel-octeon2-dp	3.10.87	GPLv2
kernel-octeon2-lfp	3.10.87	GPLv2
kernel-octeon2-mp	3.10.87	GPLv2
kernel-octeon3-mp	3.10.87	GPLv2
kexec-tools	2.0.20	GPLv2
keyutils	1.5.10	GPLv2+ and LGPLv2+
keyutils-libs	1.5.10	GPLv2+ and LGPLv2+
kmod	25	GPLv2+
kmod-libs	25	LGPLv2+
krb5-libs	1.18.2	MIT

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NAME	VERSION	LICENSE TYPE
krb5-workstation	1.18.2	MIT
lcms2	2.9	MIT
less	530	GPLv3+ or BSD
leveldb	1.22	BSD
libacl	2.2.53	LGPLv2+
libamdsecrng	3.1.0	AMD (EULA)
libamqp	1.0.0	MIT
libarchive	3.3.2	BSD
libassuan	2.5.1	LGPLv2+ and GPLv3+
libatomic_ops	7.6.2	GPLv2 and MIT
libattr	2.4.48	LGPLv2+
libbabeltrace	1.5.4	MIT and GPLv2
libblkid	2.32.1	LGPLv2+
libbpf	0.2.0	BSD 2-clause GNU LGPL v2.1
libbson	1.17.6	ASL 2.0 and ISC and MIT and zlib
libcap	2.48	BSD or GPLv2
libcap-ng	0.7.9	LGPLv2+
libcom_err	1.45.6	MIT
libcurl-minimal	7.61.1	MIT
libdb	5.3.28	BSD and LGPLv2 and Sleepycat
libdb-utils	5.3.28	BSD and LGPLv2 and Sleepycat
libdrng	1.0.4	Intel (3-clause BSD)
libedit	3.1	BSD
libedit1	2.11	libedit

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NAME	VERSION	LICENSE TYPE
libevent	2.1.8	BSD and ISC
libfdisk	2.32.1	LGPLv2+
libffi	3.1	MIT
libftdi	1.4	LGPLv2
libgcc	7.3.0	LGPL
libgcc	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgcrypt	1.8.5	LGPLv2+
libgomp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgpg-error	1.31	LGPLv2+
libi2c	4.3	LGPLv2+
libibverbs	29	GPLv2 or BSD
libicu	60.3	MIT and UCD and Public Domain
libidn	1.34	LGPLv2+ and GPLv3+ and GFDL
libidn2	2.2.0	(GPLv2+ or LGPLv3+) and GPLv3+
libipt	1.6.1	BSD
libjpeg-turbo	1.5.3	IJG
libkadm5	1.18.2	MIT
libksba	1.3.5	(LGPLv3+ or GPLv2+) and GPLv3+
libldb	2.1.3	LGPLv3+
liblog4shib2	2.0.0	LGPL
libmaxminddb	1.2.0	ASL 2.0 and BSD
libmcrypt	2.5.8	LGPLv2+

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NAME	VERSION	LICENSE TYPE
libmetalink	0.1.3	MIT
libmnl	1.0.4	LGPLv2+
libmongocrypt	1.2.0	ASL 2.0 and ISC
libmount	2.32.1	LGPLv2+
libmpc	1.0.2	LGPLv3+ and GFDL
libnet	1.1.6	BSD
libnetfilter_conntrack	1.0.6	GPLv2+
libnfnetlink	1.0.1	GPLv2+
libnfsidmap	2.3.3	BSD
libnftnl	1.1.5	GPLv2+
libnghttp2	1.33.0	MIT
libnl3	3.5.0	LGPLv2
libnsl	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
libnsl2	1.2.0	BSD and LGPLv2+
libpcap	1.9.1	BSD with advertising
libpkgconf	1.4.2	ISC
libpng	1.6.34	zlib
libpsl	0.20.2	MIT
libpwquality	1.4.0	BSD or GPLv2+
libradius	1	libradius
libsaml12	3.2.0	Apache-2.0
libseccomp	2.4.3	LGPLv2

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NAME	VERSION	LICENSE TYPE
libsecret	0.18.6	LGPLv2+
libselinux	2.9	Public Domain
libselinux-utils	2.9	Public Domain
libsemanage	2.9	LGPLv2+
libsepol	2.9	LGPLv2+
libsigsegv	2.11	GPLv2+
libsmartcols	2.32.1	LGPLv2+
libsmbclient	4.12.3	GPLv3+ and LGPLv3+
libss	1.45.6	MIT
libstdc++	7.3.0	GPL
libstdc++	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libsysfs	2.1.0	LGPLv2+
libtalloc	2.3.1	LGPLv3+
libtasn1	4.13	GPLv3+ and LGPLv2+
libtdb	1.4.3	LGPLv3+
libtecla	1.6.1	X11
libtevent	0.10.2	LGPLv3+
libtiff	4.0.9	libtiff
libtirpc	1.1.4	SISSL and BSD
libtool-ltdl	2.4.6	LGPLv2+
libunistring	0.9.9	GPLv2+ or LGPLv3+
libunwind	1.3.1	BSD
libusbx	1.0.23	LGPLv2+

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NAME	VERSION	LICENSE TYPE
libuser	0.62	LGPLv2+
libuuid	2.32.1	BSD
libverto	0.3.0	MIT
libvolume_id	127	GPLv2
libwbclient	4.12.3	GPLv3+ and LGPLv3+
libwsman1	2.6.5	BSD
libxcrypt	4.1.1	LGPLv2+ and BSD and Public Domain
libxerces-c-3_2	3.2.3	Apache
libxml-security-c20	2.0.2	Apache 2.0
libxml2	2.9.7	MIT
libxmltooling10	3.2.0	Apache-2.0
libxslt	1.1.32	MIT
libyaml	0.1.7	MIT
libyang2	2.0.7	BSD-3-Clause
libzip	1.6.1	BSD
libzstd	1.4.4	BSD and GPLv2
linux-firmware	20200619	GPL+ and GPLv2+ and MIT and Redistributable, no modification permitted
lm_sensors	3.4.0	GPLv2+ and Verbatim and MIT
lm_sensors-libs	3.4.0	LGPLv2+
lmdb-libs	0.9.24	OpenLDAP
lockdev	1.0.4	LGPLv2
logrotate	3.14.0	GPLv2+
lrzsz	0.12.20	GPLv2+

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NAME	VERSION	LICENSE TYPE
lsof	4.93.2	zlib and Sendmail and LGPLv2+
lua	5.3.4	MIT
lua-libs	5.3.4	MIT
lz4	1.8.3	GPLv2+ and BSD
lz4-libs	1.8.3	GPLv2+ and BSD
lzo	2.08	GPLv2+
mailx	12.5	BSD with advertising and MPLv1.1
MAKEDEV	3.23	GPL
mariadb-connector-c	3.1.11	LGPLv2+
mariadb-connector-c-config	3.1.11	LGPLv2+
mcelog	144	GPLv2
mdadm	4.1	GPLv2+
mingetty	1.07	GPL
minicom	2.7.1	GPLv2+ and LGPLv2+ and Public Domain
mlnx-ofa_kernel-modules	4.9	GPLv2
mmc-utils	1	GPLv2
modules-intel-mp	10.2.14.1	GPLv2
modules-intel-mp-vm	10.2.14.1	GPLv2
mongo	1	metaswitch
mongo-c-driver-libs	1.17.6	ASL 2.0 and ISC and MIT and zlib
mongodb	3.6.19	SSPL v1
mpfr	3.1.6	LGPLv3+ and GPLv3+ and GFDL
ms2frr	10.2.821	(NetDEF)
mtdutils	1.0.0	GPL

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NAME	VERSION	LICENSE TYPE
ncurses	6.1	MIT
ncurses-base	6.1	MIT
ncurses-libs	6.1	MIT
ncurses-term	6.1	MIT
net-snmp	5.8	BSD
net-snmp-agent-libs	5.8	BSD
net-snmp-libs	5.8	BSD
net-snmp-utils	5.8	BSD
net-tools	2	GPLv2+
nettle	3.4.1	LGPLv3+ or GPLv2+
nfs-utils	2.3.3	MIT and GPLv2 and GPLv2+ and BSD
nginx-bin	1.18.0	BSD
nginx-filesystem	1.18.0	BSD
npth	1.5	LGPLv2+
nspr	4.35.0	MPLv2.0
nss	3.90.0	MPLv2.0
nss-pam-ldapd	0.9.9	LGPLv2+
nss-softokn	3.90.0	MPLv2.0
nss-softokn-freebl	3.90.0	MPLv2.0
nss-sysinit	3.90.0	MPLv2.0
nss-tools	3.90.0	MPLv2.0
nss-util	3.90.0	MPLv2.0
ntfs-3g	2017.3.23	GPLv2+
ntfsprogs	2017.3.23	GPLv2+

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NAME	VERSION	LICENSE TYPE
ntp	4.2.8p15	MIT and BSD and BSD with advertising
ntp-dp	4.2.8p15	MIT and BSD and BSD with advertising
ntpdate	4.2.8p15	MIT and BSD and BSD with advertising
ntpstat	0.5	MIT
numactl-libs	2.0.12	LGPLv2 and GPLv2
oniguruma5php	6.9.7.1	BSD
open-vm-tools	10.3.10	GPLv2
openjpeg2	2.4.0	BSD and MIT
openldap	2.4.46	OpenLDAP
openldap-clients	2.4.46	OpenLDAP
opensaml-schemas	3.2.0	Apache-2.0
openssh	8.0p1	BSD
openssh-clients	8.0p1	BSD
openssh-server	8.0p1	BSD
openssl	1.1.1g	OpenSSL and ASL 2.0
openssl-dp	1.1.1g	OpenSSL and ASL 2.0
openssl-dp-libs	1.1.1g	OpenSSL and ASL 2.0
openssl-dpt13	1.1.1a	OpenSSL
openssl-libs	1.1.1g	OpenSSL and ASL 2.0
openwsman-client	2.6.5	BSD
openwsman-server	2.6.5	BSD
oprofile	0.9.9	GPLv2+ and LGPLv2+
p11-kit	0.23.14	BSD

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NAME	VERSION	LICENSE TYPE
p11-kit-trust	0.23.14	BSD
pam	1.3.1	BSD and GPLv2+
pam_krb5	2.4.8	BSD or LGPLv2+
panos-release	8.3	GPLv2
parted	3.2	GPLv3+
passwd	0.8	BSD or GPL+
pciutils	3.6.4	GPLv2+
pciutils-libs	3.6.4	GPLv2+
pcre	8.42	BSD
pcre2	10.32	BSD
perf	4.18.0	GPLv2
phantomjs	1.9.8	BSD
php	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-bcmath	7.4.33	PHP and LGPLv2+
php-cli	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA and PostgreSQL
php-common	7.4.33	PHP and BSD
php-embedded	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-fpm	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-gmp	7.4.33	PHP
php-json	7.4.33	PHP
php-mbstring	7.4.33	PHP and LGPLv2 and OpenLDAP
php-mysqlnd	7.4.33	PHP

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NAME	VERSION	LICENSE TYPE
php-pdo	7.4.33	PHP
php-pecl-mongodb	1.9.1	ASL 2.0
php-xml	7.4.33	PHP
pinentry	1.1.0	GPLv2+
pkgconf	1.4.2	ISC
pkgconf-m4	1.4.2	GPLv2+ with exceptions
pkgconf-pkg-config	1.4.2	ISC
platform-python	3.6.8	Python
platform-python-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
platform-python-setuptools	39.2.0	MIT
policycoreutils	2.9	GPLv2
popt	1.16	MIT
pprof	2.4	BSD
procps-ng	3.3.15	GPL+ and GPLv2 and GPLv2+ and GPLv3+ and LGPLv2+
protobuf	3.5.0	BSD
psmisc	23.1	GPLv2+
pth	2.0.7	LGPLv2+
publicsuffix-list-dafsa	20180723	MPLv2.0
pybloomfiltermmap3	0.4.15	MIT License
pycrypto	2.6.1	Public Domain
python-collectd-cloudwatch	0.0.2	MIT
python-libevent	0.9.2	LGPL
python3-asn1crypto	0.24.0	MIT

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NAME	VERSION	LICENSE TYPE
python3-audit	3	LGPLv2+
python3-bind	9.11.36	MPLv2.0
python3-bloom	0.10.0	BSD
python3-boto3	1.15.15	ASL 2.0
python3-botocore	1.18.15	ASL 2.0
python3-bson	3.7.0	ASL 2.0 and MIT
python3-catkin_pkg	0.4.23	BSD
python3-cffi	1.11.5	MIT
python3-chardet	3.0.4	LGPLv2
python3-cryptography	2.3	ASL 2.0 or BSD
python3-dateutil	2.6.1	BSD
python3-distro	1.4.0	ASL 2.0
python3-docutils	0.14	Public Domain and BSD and Python and GPLv3+
python3-empy	3.3.4	LGPLv2+
python3-fasteners	0.14.1	ASL 2.0
python3-httplib2	0.10.3	MIT
python3-idna	2.5	BSD and Python and Unicode
python3-jmespath	0.9.0	MIT
python3-libs	3.6.8	Python
python3-libxml2	2.9.7	MIT
python3-m2crypto	0.35.2	MIT
python3-oauth2client	4.1.3	ASL 2.0
python3-pexpect	4.3.1	MIT
python3-pillow	5.1.1	MIT

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NAME	VERSION	LICENSE TYPE
python3-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
python3-pip-wheel	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
python3-ply	3.9	BSD
python3-psutil	5.6.4	BSD
python3-ptyprocess	0.5.2	ISC
python3-pyasn1	0.3.7	BSD
python3-pyasn1-modules	0.3.7	BSD
python3-pycparser	2.14	BSD
python3-pycurl	7.43.0.2	LGPLv2+ or MIT
python3-pymongo	3.7.0	ASL 2.0 and MIT
python3-pyOpenSSL	18.0.0	ASL 2.0
python3-pyparsing	2.1.10	MIT
python3-pypdf2	1.26.0	BSD
python3-pytz	2019.3	MIT
python3-pyyaml	3.12	MIT
python3-reportlab	3.4.0	BSD
python3-requests	2.20.0	ASL 2.0
python3-rosdep	0.19.0	BSD
python3-rosdistro	0.8.3	BSD and MIT
python3-rospkg	1.2.8	BSD
python3-rpm	4.14.3	GPLv2+
python3-s3transfer	0.3.4	ASL 2.0

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NAME	VERSION	LICENSE TYPE
python3-setuptools	39.2.0	MIT
python3-setuptools-wheel	39.2.0	MIT
python3-six	1.11.0	MIT
python3-uritemplate	3.0.0	BSD
python3-urlgrabber	4.1.0	LGPLv2+
python3-urllib3	1.24.2	MIT
python3-vcstool	0.2.15	ASL 2.0
python3-vcstools	0.1.42	BSD
python36	3.6.8	Python
quota	4.04	BSD and GPLv2 and GPLv2+
quota-nls	4.04	BSD and LGPLv2+ and GPLv2 and GPLv2+
rcs	5.10.0	GPLv3+
rdma-core	29	GPLv2 or BSD
readline	7	GPLv3+
redis	5.0.3	BSD and MIT
redis	6.2.6	BSD and MIT
rootfiles	8.1	Public Domain
rpcbind	1.2.5	BSD
rpm	4.14.3	GPLv2+
rpm-build-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rpm-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rsa	4.8	Apache License Version 2.0
samba-client-libs	4.12.3	GPLv3+ and LGPLv3+

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NAME	VERSION	LICENSE TYPE
samba-common	4.12.3	GPLv3+ and LGPLv3+
samba-common-libs	4.12.3	GPLv3+ and LGPLv3+
sbsigntools	0.9.2	GPLv3+
scrub	2.5.2	GPLv2+
sed	4.5	GPLv3+
setup	2.12.2	Public Domain
shadow-utils	4.6	BSD and GPLv2+
shim-x64	15	BSD
smartmontools	7.1	GPLv2+
snappy	1.1.8	BSD
sqlite	3.26.0	Public Domain
sqlite-libs	3.26.0	Public Domain
squashfs-tools	4.3	GPLv2+
sscep	0.9.0	BSD
sshpass	1.06	GPLv2
sysfsutils	2.1.0	GPLv2
syslinux	6.04	GPLv2+
syslog-ng	3.29.1	GPLv2+
sysstat	11.7.3	GPLv2+
SysVinit	2.86	GPL
tacacs	1	metaswitch
tar	1.3	GPLv3+
tcp_wrappers	7.6	BSD
tcp_wrappers-libs	7.6	BSD

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NAME	VERSION	LICENSE TYPE
tcpdump	4.9.3	BSD with advertising
tecla	1.6.3	X11
telnet	0.17	BSD
telnet-server	0.17	BSD
tftp	5.2	BSD
tftp-server	5.2	BSD
timedatex	0.5	GPLv2+
tpm2-tss	2.3.2	BSD
traceroute	2.1.0	GPLv2+
tzdata	2023c	Public Domain
udev	127	GPLv2
unixODBC	2.3.7	GPLv2+ and LGPLv2+
ustr	1.0.4	MIT or LGPLv2+ or BSD
util-linux	2.32.1	GPLv2 and GPLv2+ and LGPLv2+ and BSD with advertising and Public Domain
util-linux-dp	2.32.1	GPLv2
util-linux-user	2.32.1	GPLv2
vconfig	1.9	GPL
vectorscan	5.4.6	BSD
vim-minimal	8.0.1763	Vim and MIT
virt-what	1.18	GPLv2+
vixie-cron	4.1	distributable
waofflinevmod	4.3.3.501	OPSWAT
wget	1.19.5	GPLv3+

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NAME	VERSION	LICENSE TYPE
which	2.21	GPLv3
wmi	1.3.13	GNU GPL Version 2
wpaeapol	2.9	BSD
xdelta	3.1.0	ASL 2.0
xe-guest-utilities-latest	7.21.0	BSD
xinetd	2.3.15	xinetd
xmlsec1	1.2.25	MIT
xmlsec1-openssl	1.2.25	MIT
xmltodict	0.12.0	MIT
xmltooling-schemas	3.2.0	Apache-2.0
xz	5.2.4	GPLv2+ and Public Domain
xz-libs	5.2.4	Public Domain
zlib	1.2.11	zlib and Boost

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NAME	VERSION	LICENSE TYPE
ACL	2.2.51	GPLv2.0 or later AND LGPLv2.1 or later
ACPI daemon Project (acpid)	2.0.19	GPLv2.0 or later
agronholm/pythonfutures	3.1.1	Python Software Foundation License 2.0
Apache HTTP Server	2.4.6	Apache License 2.0
Apache Portable Runtime	1.4.8	Apache License 2.0
APR-util	1.5.2	Apache License 2.0
attr-lib	2.4.47	GPLv2.0 only AND LGPLv2.1 only
Audit	2.4.1	LGPLv2.0 or later
audit-libs	2.4.1	GPLv2.0 or later AND LGPLv2.1 only
basesystem	10.0.8	Public Domain
bash	4.2.46	GPLv3.0 or later
beecrypt	4.2.1	LGPLv2.0 or later
BIND (Berkeley Internet Name Domain)	9.9.4	BIND License
bind-libs	9.9.4	ISC License
bind-libs-lite	9.9.4	ISC License
bind-license	9.9.4	ISC License
bind-utils	9.9.4	ISC License
bonnie++	1.03d	GPLv2.0
botocore	1.4.42	Apache License 2.0
bzip2	1.0.6	Bzip2 License

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NAME	VERSION	LICENSE TYPE
bzip2-libs	1.0.6	BSD 3-clause "New" or "Revised" License
c-ares	1.10.0	MIT License
centos-release	7	GPLv2.0 or later
chicken	3.0.0	Public Domain
chkconfig	1.3.61	GPLv2.0 or later
cpp	4.8.5	GPLv3.0 or later
cracklib	2.9.0	LGPLv2.1 or later
cracklib-dicts	2.9.0	LGPLv2.1 or later
crontabs	1.11	Public Domain
curl	7.60.0	cURL License
cyrus-sasl-lib	2.1.26	BSD 4-clause License (University of California-Specific)
dateutil/dateutil	2.5.3	BSD 2-clause “Simplified” License
dejavu-fonts-common	2.33	Bitstream Vera Fonts Copyright
dejavu-sans-fonts	2.33	Public Domain
device-mapper	1.02.107	LGPLv2.0 or later
device-mapper-libs	1.02.107	LGPLv2.0 or later
dhclient	4.2.5	ISC License
dhcp-common	4.2.5	ISC License
dhcp-libs	4.2.5	ISC License
diskscrub	2.5.2	GPLv2.0 or later
dmidecode	2.12	GPLv2.0 or later
DPDK	19.11.3	BSD 3-clause “New” or “Revised” License

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NAME	VERSION	LICENSE TYPE
e2fsprogs	1.42.9	LGPLv2.0 or later
e2fsprogs-libs	1.42.9	LGPLv2.1 only AND GPLv2.0 or later
elfutils	0.176	LGPLv3.0 or later
enum	0.4.6	Python 3.0a1 License
envoy-proxy	1.el7	Apache License 2.0
etcd	3.2.22	Apache License 2.0
ethtool	4.5	GPLv2.0 only
EventLog Library	0.2.12	BSD 3-clause "New" or "Revised" License
fastlz	0.1.0	MIT License
file	5.11	Fine Free File Command License
file-libs	5.11	BSD 3-clause "New" or "Revised" License
filesystem	3.2	Public Domain
findutils	4.5.11	GPLv3.0 or later
fipscheck	1.4.1	BSD 3-clause "New" or "Revised" License
fipscheck-lib	1.4.1	BSD 3-clause "New" or "Revised" License
flatcc	1	Apache License 2.0
fontconfig	2.10.95	MIT License
fontpackages-filesystem	1.44	GPLv3.0
fping	4.0.5	BSD-like License
FreeType Project	2.4.11	BSD 3-clause "New" or "Revised" License
frr	6.1_dpd	GPLv2.0 or later

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NAME	VERSION	LICENSE TYPE
fuse-libs	2.8.5	LGPLv2.1
Gawk	4.0.2	BSD 3-clause "New" or "Revised" License AND LGPLv3.0 or later AND GPLv3.0 or later
GDB	7.12	GPLv3.0 or later
GLib2	2.56.1	GPLv3.0 or later
glibc	2.17	LGPLv2.1 or later
glibc-debuginfo	2.17	LGPLv2.1 or later
GMP	6.0.0	LGPLv3.0 only
GNU awk	4.0.2	GPLv3.0
GNU Binutils	2.27	GPLv3.0 or later
GNU C Library	2.17	LGPLv2.1 or later
GNU Compiler Collection	4.8.5	GPLv3.0 or later
GNU Core Utilities	8.22	GPLv3.0 or later
GNU cpio	2.11	GPLv3.0 or later
GNU Diff Utilities	3.3	GPLv3.0 or later
GNU grep	2.2	GPLv3.0 or later
GNU Libtool	2.4.2	GPLv2.0 or later
GNU MPFR	3.1.1	LGPLv3.0
GNU Ncurses	5.9	Free Software Foundation - MIT License (MIT +)
GNU Parted	3.1	GPLv3.0
GNU sed	4.2.2	GPLv3.0 or later
GNU tar	1.26	GPLv3.0 or later
GnuPG	2.0.22	GPLv3.0 or later

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NAME	VERSION	LICENSE TYPE
google-auth	0.8.0	Apache License 2.0
google-auth-httplib2	0.0.2	Apache License 2.0
google-cloud-core	0.23.0	Apache License 2.0
google-cloud-error_reporting	1.5.2	Apache License 2.0
google-cloud-monitoring	0.24.0	Apache License 2.0
google-cloud-storage	0.23.1	Apache License 2.0
google-perftools	2.4	BSD 3-clause "New" or "Revised" License
google-snappy	1.1.0	BSD 3-clause "New" or "Revised" License
gperftools	2.4	BSD 3-clause "New" or "Revised" License
grpc	1.30.0	Apache License 2.0
grub	6.0.97	GPLv2.0
gzip	1.5	GPLv3.0 or later
hiredis	0.13.3	BSD 3-clause "New" or "Revised" License
httpd	2.4.6	Apache License 2.0
httpd-tools	2.4.6	Apache License 2.0
httplib2	0.9.2	MIT License
hwdata	0.252	GPLv2.0 or later
hyperscan	4.2.0	BSD 3-clause "New" or "Revised" License
hyperscan5	4.2.0	BSD 3-clause "New" or "Revised" License
initscripts	8.45.15	GPLv3.0 or later

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NAME	VERSION	LICENSE TYPE
iproute2	3.10.0	GPLv2.0 or later
IPTables	1.4.21	GPLv2.0
iputils	20121221	GPLv2.0 AND BSD 3-clause "New" or "Revised" License AND Sun RPC License
jmespath	0.9.0	MIT License
json-c	0.11	MIT License
Jython	2.7.5	JPython License 1.1x
keyutils	1.5.8	LGPLv2.1 or later
keyutils-libs	1.5.8	GPLv2.0 or later
krb5-libs	1.13.1	MIT License
krb5-workstation	1.13.1	MIT License
Less	458	GPLv3.0 or later
libacl	2.2.51	LGPLv2.1
libampq	1.0.0	MIT License
libassuan	2.1.0	LGPLv2.1 or later
libattr	2.4.6	GPLv2.0 or later
libblkid	2.23.2	LGPLv2.1 or later
libbpf	0.2.0	LGPLv2.1 OR BSD 2-clause “Simplified” License
libcap-dev	2.22	LGPLv2.0 or later
libcap-ng	0.7.5	GPLv2.0 or later
libcjson	0.0.1	MIT License
libcom_err	1.42.9	GPLv2.0 or later
libcurl	7.60.0	MIT License

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NAME	VERSION	LICENSE TYPE
libdb	5.3.21	LGPLv2.0 or later
libdb-utils	5.3.21	BSD 3-clause "New" or "Revised" License
libevent	2.0.21	BSD 3-clause "New" or "Revised" License
libexpat	2.1.0	MIT License
libffi	3.2.1	MIT License
libgcc	4.8.5	GPLv3.0 or later
libgcrypt	1.5.3	LGPLv2.1 or later
libgpg-error	1.12	LGPLv2.1 or later
libgssglue	0.1	GPLv1.0 or later
libibverbs	23.1	GPLv2.0
LibIDN	1.28	LGPLv2.1 or later
libjpeg-turbo	1.2.90	Independent JPEG Group License
liblockdev1	1.0.4	LGPLv2.0 or later
liblog4shib	1.0.9	LGPLv2.1 or later
libmnl	1.0.4	GPLv2.1
libmount	2.23.2	GPLv2.0 or later
libmpc	1.0.1	LGPLv3.0 or later
libnet-dev	1.1.6	BSD 3-clause "New" or "Revised" License
libnfnetlink	1.0.1	GPLv2.0 or later
libnfsidmap	0.25	BSD 3-clause "New" or "Revised" License
libnfsidmap-dev	0.25	BSD 3-clause "New" or "Revised" License

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NAME	VERSION	LICENSE TYPE
libpcap	1.5.3	BSD 3-clause "New" or "Revised" License
libpng	1.5.13	libpng License
libpwquality	1.2.3	BSD 3-clause "New" or "Revised" License
libsaml8	2.5.5	MIT License
libselinux	2.2.2	Public Domain
libsemanage	2.1.10	LGPLv2.0 or later
libsepol	2.1.9	LGPLv2.0 or later
libsmbclient	3.0.33	GPLv2.0 or later
libss	1.42.9	MIT License
libstdc++	4.8.5	GPLv3.0 AND GPLv3.0 with exceptions AND GPLv2.0 with exceptions
libtecla	1.6.1	MIT License
libtirpc	0.2.4	BSD 3-clause "New" or "Revised" License
Libtool-ltdl	2.4.2	GPLv2.0 or later
libunwind	1.1	EXPAT License
libuser	0.6	LGPLv2.0 or later
libuuid	2.23.2	GPLv2.0 or later
libvolume_id	127	GPLv2.0 only
libxerces -c	3.1.3	Apache License 2.0
libxml2-python	2.9.4	MIT License
libxml-security-c17	1.7.3	MIT License
libxmltooling	1.6.4	Apache License 2.0

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NAME	VERSION	LICENSE TYPE
libxslt	1.1.28	BigInteger License
LibYAML	0.1.4	MIT License
libyang	0.16.46	BSD 3-clause "New" or "Revised" License
linux-firmware	20180911	GPLv2.0 or later
Linux kernel	4.18.0-80	GPLv2.0 or later
Linux-Pam	1.8.4	X11 License
lm_sensors	3.3.4	LGPLv2.0 or later
lm_sensors-libs	3.3.4	LGPLv2.0 or later
logrotate	3.8.6	GPLv2.0 or later
lsvpd	2.1.0	GPLv2.0 or later
LZO real-time data compression library	2.06	GPLv2.0 or later
M2Crypto	0.30.1	M2Crypto License (similar to Historical Permission Notice and Disclaimer)
mailx	12.5	BSD 4-clause (University of California-Specific) AND Mozilla Public License 1.1
MAKEDEV	3.23	GPLv2.0
mcelog	144	GPLv2.0 or later
mcrypt	2.5.8	GPLv2.0
mingetty	1.07	GPLv2.0
module-init-tools	3.3	GPLv2.0
mpfr-dev	3.1.1	LGPLv3.0 or later
myproxy-libs	2.1.26	BSD 3-clause "New" or "Revised" License AND Apache License 2.0

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NAME	VERSION	LICENSE TYPE
		AND University of Illinois/NCSA Open Source License
ncurses	5.9	MIT License
ncurses-base	5.9	MIT License
ncurses-libs	5.9	MIT License
ncurses-term	5.9	BSD 3-clause "New" or "Revised" License OR X11 License OR BigInteger License
Netlink Protocol Library Suite (libnl)	3.2.28	LGPLv2.0 or later
net-SNMP	5.8	BSD 3-clause "New" or "Revised" License AND CMU License
net-snmp-agent-libs	5.8	BSD 3-clause "New" or "Revised" License AND CMU License
net-snmp-libs	5.8	BSD 3-clause "New" or "Revised" License AND CMU License
net-snmp-utils	5.8	BSD 3-clause "New" or "Revised" License AND CMU License
net-tools	2	GPLv2.0 or later
Network Time Protocol project (NTP)	4.2.8p6	GPLv2.0 or later AND BSD 4-clause (University of California-Specific) AND BSD 3-clause "New" or "Revised" License AND MIT License
NFS	1.3.0	GPLv2.0 or later AND BSD 3-clause "New" or "Revised" License AND MIT License
nspr	4.25.0	Mozilla Public License 2.0
NSS	3.53.1	zlib License
nss-softokn	3.53.1	Mozilla Public License 2.0
nss-softokn-freebl	3.53.1	Mozilla Public License 2.0

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NAME	VERSION	LICENSE TYPE
nss-tools	3.53.1	Mozilla Public License 2.0
nss-utils	3.53.1	Mozilla Public License 2.0
numactl	2.0.9	LGPLv2.1 or later AND GPLv2.0 or later
Open Virtual Machine Tools	10.3.10	FreeBSD License
OpenLDAP	2.4.40	Open LDAP Public License 2.8
openldap-clients	2.4.40	Open LDAP Public License 2.8
OpenSAML 2.0	2.5.5	Apache License 2.0
OpenSSH	7.7p1	BSD 3-clause "New" or "Revised" License
openssh-clients	7.7p1	BSD 3-clause "New" or "Revised" License
openssh-server	7.7p1	BSD 3-clause "New" or "Revised" License
OpenSSL	1.0.1e	OpenSSL License AND SSLeay License
openssl-dpt13	1.0.1e	OpenSSL License AND SSLeay Licenses
openwsman	2.6.0	BSD 3-clause "New" or "Revised" License
pam_krb5	2.4.8	BSD 3-clause "New" or "Revised" License
pam_ldap	1.8.4	GPLv2.0
parted	3.1	GPLv3.0
passwd	0.79	GPLv2.0 AND BSD 3-clause "New" or "Revised" License
pciutils	3.2.1	GPLv2.0 or later
pciutils-libs	3.2.1	GPLv2.0 or later

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NAME	VERSION	LICENSE TYPE
PCRE	8.32	PCRE License
pexpect	2.3	MIT License
phantomjs	1.9.8	BSD 3-clause "New" or "Revised" License
PHP	5.6.25	PHP License 3.01
php-common	5.6.25	PHP License 3.01
php-embedded	5.6.25	PHP License 3.01
php-httpd	5.6.25	PHP License 3.01
php-pecl-jsonc	1.3.6	PHP License 3.01
pinentry	0.8.1	GPLv2.0 or later
popt	1.13	X11 License
procps-ng	3.3.10	GPLv2.0 or later AND LGPLv2.1 or later AND GPLv3.0 or later
Protocol Buffers	3.2.0	BSD 3-clause "New" or "Revised" License
psmisc	22.2	GPLv2.0 or later
psutil	3.2.1	BSD 3-clause "New" or "Revised" License
pth	2.0.7	LGPLv2.0 or later
pyca/cryptography	1.7.1	Apache License 2.0
PyCrypto	2.6.1	Public Domain AND Python License 2.0
PycURL	7.43.0	cURL License OR LGPLv2.1 or later
PyMongo	3.0.3	Apache License 2.0
py-oauth2client	4.0.0	Apache License 2.0
pypa/setuptools	0.9.8	Python License 2.0

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NAME	VERSION	LICENSE TYPE
py-requests	2.13.0	Apache License 2.0
Python programming language	2.7.5	Python License 2.0
Python six	1.10.0	Expat License
python2-google-api-client	1.6.2	Apache License 2.0
python2-rsa	3.4.2	Apache License 2.0
python2-s3transfer	0.1.10	Apache License 2.0
python-backports	1	Public Domain
python-backports-ssl_match_hostname	3.4.0.2	Python License 2.0
python-bloom	0.1.12	MIT License
python-bson	3.0.3	Apache License 2.0
python-collectd-cloudwatch	0.0.1	MIT License
pythonfutures	3.1.1	Python License 2.0
python-ipaddr	2.1.11	Apache License 2.0
python-libevent	0.9.2	LGPLv3.0 or later
python-pillow	2.0.0	MIT License
python-pyasn1	0.1.7	BSD 3-clause "New" or "Revised" License
python-pyasn1-modules	0.1.7	BSD 3-clause "New" or "Revised" License
python-reportlab	2.5	BSD 3-clause "New" or "Revised" License
python-urlgrabber	3.1	LGPLv2.0 or later
PyTZ - Python Time Zone Library	2015.7	MIT License
PyYAML	3.1	MIT License

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NAME	VERSION	LICENSE TYPE
rcs	5.9.0	GPLv3.0 or later
Readline	6.2	GPLv3.0 or later
redis	5.0.0	BSD 3-clause "New" or "Revised" License
rootfiles	8.1	Public Domain
RPCbind	0.2.0	BSD 3-clause "New" or "Revised" License
RPM	4.11.3	GPLv2.0
rpm-libs	4.11.3	GPLv2.0 AND LGPLv2.1
Samba	3.0.33	GPLv2.0 or later
sed	4.2.2	GPLv2.0
setup	2.8.71-6.el7	Public Domain
setuptools	0.9.8	Python License 2.0
Shadow Tool Suite	4.1.5.1	GPLv2.0 OR BSD 3-clause "New" or "Revised" License OR GPLv1.0 or later
simogeo's Filemanager	2.2.0	MIT License
six Compatibility Utility	1.10.0	MIT License
Snappy	1.1.0	BSD 3-clause "New" or "Revised" License
SQLite	3.7.17	Public Domain
sscep	1.0.0	BSD 3-clause “New” or “Revised” License
sshpass	1.05	GPLv2.0
sysfsutils	2.1.0	LGPLv2.1 only
sysklogd	1.4.1	GPLv2.0 or later

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NAME	VERSION	LICENSE TYPE
syslog-ng	3.29.1	GPLv2.0 or later
syslog-ng-incubator	3.29.1	GPL 2.0 with OpenSSL Exception
syslog-ng-python	3.29.1	GPLv2.0
sysstat	10.1.5	GPLv2.0 or later
SysVinit	2.86	GPLv2.0
tcp_wrappers	7.6	BSD 2-clause “Simplified” License
tcpdump	4.5.1	BSD 3-clause “New” or “Revised” License
Telnet++	0.17	BSD 4-clause "Original" or "Old" License
telnet-server	0.17	BSD 3-clause "New" or "Revised" License
texinfo - GNU documentation system	5.1	GPLv3.0 or later
tftp	5.2	BSD 3-clause "New" or "Revised" License
Time Zone Database	2018g	Public Domain
traceroute	2.0.19	GPLv2.0 or later
typing	3.6.2	Python License 2.0
udev	127	GPLv2.0
unixODBC	2.3.1	GPLv2.0 or later
uritemplate	3.0.0	BSD 3-clause "New" or "Revised" License OR Apache License 2.0
ustr	1.0.4	MIT License
util-linux	2.23.2	GPLv2.0 only
util-linux-extras	2.23.2	GPLv2.0

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NAME	VERSION	LICENSE TYPE
vconfig	1.9	GPLv2.0
vim-minimal	7.4.629	Vim License
virt-what	1.13	GPLv2.0 or later
vixie-cron	4.1	ISC License AND BSD 2-clause "Simplified" License AND BSD 3-clause "New" or "Revised" License
vmware/open-vm-tools	10.3.5	LGPLv2.1 only
Wget	1.16.2	GPLv3.0 or later
wmi	1.3.13	GPLv2.0
wpaeapol	2.6.5	BSD 3-clause "New" or "Revised" License
xdelta	3.0.7	GPLv2.0 or later
xe-guest-utilities	7.19.0	GPLv3.0 or later
xe-guest-utilities-xenstore	6.1.0	GPLv3.0 or later
xinetd	2.3.15	Christian Michelsen Research License
xmltodict	0.9.0	MIT License
XMLTooling-C	1.6.4	Apache License 2.0
XZ Utils	5.1.2	LGPLv2.1 or later
zlib	1.2.7	zlib License

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NAME	VERSION	LICENSE TYPE
ACL	2.2.51	GPLv2.0 or later AND LGPLv2.1 or later
ACPI daemon Project (acpid)	2.0.19	GPLv2.0 or later
Apache HTTP Server	2.4.6	Apache License 2.0
Apache Portable Runtime	1.4.8	Apache License 2.0
APR-util	1.5.2	Apache License 2.0
attr-lib	2.4.46	GPLv2.0 only AND LGPLv2.1 only
Audit	2.4.1	LGPLv2.0 or later
audit-libs	2.4.1	GPLv2.0 or later AND LGPLv2.1 only
basesystem	10.0.8	Public Domain
bash	4.2.46	GPLv3.0 or later
beecrypt	4.2.1	LGPLv2.0 or later
BIND (Berkeley Internet Name Domain)	9.9.4	BIND License
bind-libs	9.9.4	ISC License
bind-libs-lite	9.9.4	ISC License
bind-license	9.9.4	ISC License
bind-utils	9.9.4	ISC License
botocore	1.4.42	Apache License 2.0
bzip2	1.0.6	Bzip2 License
bzip2-libs	1.0.6	BSD 3-clause "New" or "Revised" License
centos-release	7	GPLv2.0 or later

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NAME	VERSION	LICENSE TYPE
chkconfig	1.3.61	GPLv2.0 or later
cpp	4.8.5	GPLv3.0 or later
cracklib	2.9.0	LGPLv2.1 or later
crontabs	1.11	Public Domain
cyrus-sasl-lib	2.1.26	Public Domain
dejavu-fonts-common	2.33	Bitstream Vera Fonts Copyright
dejavu-sans-fonts	2.33	Public Domain
device-mapper	1.02.107	LGPLv2.0 or later
device-mapper-libs	1.02.107	LGPLv2.0 or later
dhclient	4.2.5	ISC License
dhcp-common	4.2.5	ISC License
dhcp-libs	4.2.5	ISC License
diskscrub	2.5.2	GPLv2.0 or later
dmidecode	2.12	GPLv2.0 or later
e2fsprogs	1.42.9	GPLv2.0 AND LGPLv2.1
elfutils	0.176	LGPLv3.0 or later
EventLog Library	0.2.12	BSD 3-clause "New" or "Revised" License
fastlz	0.1.0	MIT License
file	5.11	Fine Free File Command License
file-libs	5.11	BSD 3-clause "New" or "Revised" License
findutils	4.5.11	GPLv3.0 or later
fipscheck	1.4.1	BSD 3-clause "New" or "Revised" License

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NAME	VERSION	LICENSE TYPE
fipscheck-lib	1.4.1	BSD 3-clause "New" or "Revised" License
fontconfig	2.10.95	MIT License
FreeType Project	2.4.11	BSD 3-clause "New" or "Revised" License
Gawk	4.0.2	BSD 3-clause "New" or "Revised" License AND LGPLv3.0 or later AND GPLv3.0 or later
GDB	7.12	GPLv3.0 or later
GLib2	2.42.2	GPLv3.0 or later
GMP	6.0.0	LGPLv3.0 only
GNU awk	4.0.2	GPLv3.0
GNU Binutils	2.23.52.0.1	GPLv3.0 or later
GNU C Library	2.17	LGPLv2.1 or later
GNU Compiler Collection	4.8.5	GPLv3.0 or later
GNU Core Utilities	8.22	GPLv3.0 or later
GNU cpio	2.11	GPLv3.0 or later
GNU grep	2.2	GPLv3.0 or later
GNU Libtool	2.4.2	GPLv2.0 or later
GNU MPFR	3.1.1	LGPLv3.0
GNU Ncurses	5.9	Free Software Foundation - MIT License (MIT +)
GNU Parted	3.1	GPLv3.0
GNU tar	1.26	GPLv3.0 or later
GnuPG	2.0.22	GPLv3.0 or later

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google-perftools	2.4	BSD 3-clause "New" or "Revised" License
google-snappy	1.1.0	BSD 3-clause "New" or "Revised" License
grub	0.97	GPLv2.0
gzip	1.5	GPLv3.0 or later
httpd-tools	2.4.6	Apache License 2.0
httplib2	0.9.2	MIT License
hwdata	0.252	GPLv2.0 or later
initscripts	8.45.14.EL	GPLv3.0 or later
iproute2	3.10.0	GPLv2.0 or later
IPTables	1.4.21	GPLv2.0
iputils	20121221	GPLv2.0 AND BSD 3-clause "New" or "Revised" License AND Sun RPC License
jmespath	0.9.0	MIT License
Jython	2.7.5	JPython License 1.1x
keyutils	1.5.8	LGPLv2.1 or later
keyutils-libs	1.5.8	GPLv2.0 or later
Less	458	GPLv3.0 or later
libassuan	2.1.0	LGPLv2.1 or later
libcap-dev	2.22	LGPLv2.0 or later
libcap-ng	0.7.5	GPLv2.0 or later
libcomerr2	1.42.9	GPLv2.0 or later
libdb	5.3.21	LGPLv2.0 or later

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libdb-utils	5.3.21	BSD 3-clause "New" or "Revised" License
libevent	2.0.21	BSD 3-clause "New" or "Revised" License
libffi	3.2.1	MIT License
libgcc	4.8.5	GPLv3.0 or later
libgcrypt	1.5.3	LGPLv2.1 or later
libgpg-error	1.12	LGPLv2.1 or later
libgssglue	0.1	GPLv1.0 or later
LibIDN	1.28	LGPLv2.1 or later
libjpeg-turbo	1.2.90	Independent JPEG Group License
liblockdev1	1.0.4	LGPLv2.0 or later
libmount	2.23.2	GPLv2.0 or later
libmpc	1.0.1	LGPLv3.0 or later
libnfnetlink	1.0.1	GPLv2.0 or later
libnfsidmap	0.25	BSD 3-clause "New" or "Revised" License
libnfsidmap-dev	0.25	BSD 3-clause "New" or "Revised" License
libpcap	1.5.3	BSD 3-clause "New" or "Revised" License
libpng	1.5.13	libpng License
libpwquality	1.2.3	BSD 3-clause "New" or "Revised" License
libselinux	2.2.2	Public Domain
libsemanage	2.1.10	LGPLv2.0 or later

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NAME	VERSION	LICENSE TYPE
libss	1.42.9	MIT License
libstdc++	4.8.5	GPLv3.0 AND GPLv3.0 with exceptions AND GPLv2.0 with exceptions
libtirpc	0.2.4	BSD 3-clause "New" or "Revised" License
libunwind	1.1	EXPAT License
libuser	0.6	LGPLv2.0 or later
libxml2-python	2.9.4	MIT License
libxslt	1.1.28	BigInteger License
Linux kernel	3.10.0-957	GPLv2.0 or later
Linux-Pam	1.1.8	X11 License
logrotate	3.8.6	GPLv2.0 or later
LZO real-time data compression library	2.06	GPLv2.0 or later
M2Crypto	0.30.1	M2Crypto License (similar to Historical Permission Notice and Disclaimer)
mailx	12.5	BSD 4-clause (University of California-Specific) AND Mozilla Public License 1.1
MAKEDEV	3.23	GPLv2.0
mcrypt	2.5.8	GPLv2.0
mingetty	1.07	GPLv2.0
module-init-tools	3.3	GPLv2.0
mpfr-dev	3.1.1	LGPLv3.0 or later
myproxy-libs	2.1.26	BSD 3-clause "New" or "Revised" License AND Apache License 2.0

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NAME	VERSION	LICENSE TYPE
		AND University of Illinois/NCSA Open Source License
ncurses-libs	5.9	MIT License
ncurses-term	5.9	BSD 3-clause "New" or "Revised" License OR X11 License OR BigInteger License
net-SNMP	5.7.2	BSD 3-clause "New" or "Revised" License AND CMU License
net-tools	2	GPLv2.0 or later
Network Time Protocol project (NTP)	4.2.8p6	GPLv2.0 or later AND BSD 4-clause (University of California-Specific) AND BSD 3-clause "New" or "Revised" License AND MIT License
NFS	1.3.0	GPLv2.0 or later AND BSD 3-clause "New" or "Revised" License AND MIT License
NSS	3.44.0	Mozilla Public License 2.0
nss-softokn	3.44.0	Mozilla Public License 2.0
nss-softokn-freebl	3.44.0	Mozilla Public License 2.0
nss-tools	3.44.0	Mozilla Public License 2.0
nss-utils	3.44.0	Mozilla Public License 2.0
OpenLDAP	2.4.40	Open LDAP Public License 2.8
openldap-clients	2.4.40	Open LDAP Public License 2.8
OpenSAML 2.0	2.5.5	Apache License 2.0
OpenSSH	7.7p1	BSD 3-clause "New" or "Revised" License
OpenSSL	1.0.1e	Open SSL License AND SSLeay License

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openwsman	2.6.0	BSD 3-clause "New" or "Revised" License
pam_krb5	2.4.8	BSD 3-clause "New" or "Revised" License
parted	3.1	GPLv3.0
passwd	0.79	GPLv2.0 AND BSD 3-clause "New" or "Revised" License
pciutils	3.2.1	GPLv2.0 or later
pciutils-libs	3.2.1	GPLv2.0 or later
PCRE	8.32	PCRE License
pexpect	2.3	MIT License
phantomjs	1.9.8	BSD 3-clause "New" or "Revised" License
PHP	5.6.25	PHP License 3.01
php-pecl-jsonc	1.3.6	PHP License 3.01
pinentry	0.8.1	GPLv2.0 or later
popt	1.13	X11 License
procps-ng	3.3.10	GPLv2.0 or later AND LGPLv2.1 or later AND GPLv3.0 or later
Protocol Buffers	3.2.0	BSD 3-clause "New" or "Revised" License
psmisc	22.2	GPLv2.0 or later
pth	2.0.7	LGPLv2.0 or later
PyCrypto	2.6.1	Public Domain AND Python License 2.0
PycURL	7.43.0	cURL License OR LGPLv2.1 or later
PyMongo	3.0.3	Apache License 2.0

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py-oauth2client	4.0.0	Apache License 2.0
py-requests	2.13.0	Apache License 2.0
Python programming language	2.7.5	Python License 2.0
python2-google-api-client	1.6.2	Apache License 2.0
python2-rsa	3.4.2	Apache License 2.0
python2-s3transfer	0.1.10	Apache License 2.0
python-backports-ssl_match_hostname	3.4.0.2	Python License 2.0
python-crypto	2.6.1	Public Domain AND Python License 2.0
python-cryptography	1.7.1	BSD 3-clause "New" or "Revised" License OR Apache License 2.0
pythonfutures	3.1.1	Python License 2.0
python-libevent	0.9.2	LGPLv3.0 or later
python-pillow	2.0.0	MIT License
python-pyasn1	0.1.7	BSD 3-clause "New" or "Revised" License
python-pyasn1-modules	0.1.7	BSD 3-clause "New" or "Revised" License
python-reportlab	2.5	BSD 3-clause "New" or "Revised" License
python-urlgrabber	3.1	LGPLv2.0 or later
rcs	5.9.0	GPLv3.0 or later
Readline	6.2	GPLv2.0 or later
redis	5.0.0	BSD 3-clause "New" or "Revised" License
rootfiles	8.1	Public Domain

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RPCbind	0.2.0	BSD 3-clause "New" or "Revised" License
RPM	4.11.3	GPLv2.0
rpm-libs	4.11.3	GPLv2.0 AND LGPLv2.1
Samba	3.0.33	GPLv2.0 or later
sed	4.2.2	GPLv2.0
setup	2.8.71-6.el7	Public Domain
setuptools	0.9.8	Python License 2.0
Shadow Tool Suite	4.1.5.1	GPLv2.0 OR BSD 3-clause "New" or "Revised" License OR GPLv1.0 or later
simogeo's Filemanager	2.2.0	MIT License
six Compatibility Utility	1.10.0	MIT License
Snappy	1.1.0	BSD 3-clause "New" or "Revised" License
SQLite	3.7.17	Public Domain
sscep	1.0.0	BSD 3-clause “New” or “Revised” License
sysfsutils	2.1.0	LGPLv2.1 only
sysklogd	1.4.1	GPLv2.0 or later
syslog-ng	3.9.1	GPLv2.0 or later
syslog-ng-incubator	3.9.1	GPL 2.0 with OpenSSL Exception
syslog-ng-python	3.9.1	GPLv2.0
sysstat	10.1.5	GPLv2.0 or later
SysVinit	2.86	GPLv2.0
tcp_wrappers	7.6	BSD 2-clause “Simplified” License

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tcpdump	4.5.1	BSD 3-clause "New" or "Revised" License
Telnet++	0.17	BSD 4-clause "Original" or "Old" License
telnet-server	0.17	BSD 3-clause "New" or "Revised" License
texinfo - GNU documentation system	5.1	GPLv3.0 or later
tftp	5.2	BSD 3-clause "New" or "Revised" License
Time Zone Database	2018g	Public Domain
traceroute	2.0.19	GPLv2.0 or later
unixODBC	2.3.1	GPLv2.0 or later
uritemplate	3.0.0	BSD 3-clause "New" or "Revised" License OR Apache License 2.0
ustr	1.0.4	MIT License
util-linux	2.23.2	GPLv2.0 only
vim-minimal	7.4.160	Vim License
virt-what	1.13	GPLv2.0 or later
vixie-cron	4.1	ISC License AND BSD 2-clause "Simplified" License AND BSD 3-clause "New" or "Revised" License
Wget	1.16.2	GPLv3.0 or later
xdelta	3.0.7	GPLv2.0 or later
xe-guest-utilities	6.1.0	GPLv3.0 or later
xinetd	2.3.15	Christian Michelsen Research License
XMLTooling-C	1.6.4	Apache License 2.0

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XZ Utils	5.1.2	LGPLv2.1 or later
zlib	1.2.7	zlib License

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NAME	VERSION	LICENSE TYPE
@epelc/gridstack	0.3.0-dev	MIT License
ACL	2.2.51	LGPLv2.1
ACPI daemon Project (acpid)	2.0.19	GPLv2.0
Apache Geronimo	1.2-beta	Apache License 2.0
Apache HTTP Server	2.4.6	Apache License 2.0
Apache Portable Runtime	1.4.8	Apache License 2.0
APR-util	1.5.2	Apache License 2.0
ASN.1 library for Python	0.1.7	BSD 2-clause "Simplified" License
attr-lib	2.4.46	LGPLv2.1
Audit	2.4.1	GPLv2.0
audit-libs	2.4.1	LGPLv2.1
base-files	8	GPLv2.0
bash	4.2.46	GPLv3.0
beecrypt	4.2.1	LGPLv2.1 or later
BIND (Berkeley Internet Name Domain)	9.9.4	ISC License
bind-libs	9.9.4	ISC License
bind-libs-lite	9.9.4	ISC License
bind-license	9.9.4	ISC License
bind-utils	9.9.4	ISC License
binutils	2.23	GPLv3.0 or later
Bluebird JS	3.5.0	MIT License

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NAME	VERSION	LICENSE TYPE
Bootstrap	4.1.3	MIT License
boto3	1.4.1	Apache License 2.0
botocore	1.4.42	Apache License 2.0
bsdutils	2.30.2	GPLv2.0 or later
bzip2	1.0.6	BSD 3-clause "New" or "Revised" License
bzip2-libs	1.0.6	BSD 3-clause "New" or "Revised" License
cavaliercoder/go-rpm	20170617-snapshot-c7209c35	BSD 3-clause "New" or "Revised" License
centos-release	7	GPLv2.0
chkconfig	1.3.61	GPLv2.0
ci-node-server	0.0.6	MIT License
cpp	4.8.5	GPLv2.0
cracklib	2.9.0	LGPLv2.1
cracklib2	2.8.16	LGPLv2.1
crontabs	1.11	Public Domain
cyrus-sasl	2.1.26	Carnegie Mellon University License
cyrus-sasl-lib	2.1.26	BSD 4-clause License
D3.js	3.4.11	BSD 3-clause "New" or "Revised" License
DB	5.3.21	Alternative Commercial License Available
Debian PHP	5.3.3	PHP License v3.01
dejavu-fonts-common	2.33	Bitstream Vera Fonts Copyright
dejavu-sans-fonts	2.33	Bitstream Vera Fonts Copyright

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NAME	VERSION	LICENSE TYPE
device-mapper	1.02.107	GPLv2.0
device-mapper-libs	1.02.107	LGPLv2.1
devtoolset-3-binutils	2.24	GPLv3.0
dhclient	4.2.5	ISC License
dhcp-common	4.2.5	ISC License
dhcp-doc	4.3.4	ISC License
dhcp-libs	4.2.5	ISC License
diff	3.3	GPLv2.0 or later OR Free Documentation License v1.1 OR Free Documentation License v1.3 OR GPLv3.0
diskscrub	2.5.2	GPLv2.0
dmidecode	2.12	GPLv2.0
e2fsprogs	1.42.9	GPLv2.0 AND LGPLv2.1
elfutils	0.163	GPLv3.0
es5-shim	4.0.3	MIT License
EventLog Library	0.2.12	BSD 3-clause "New" or "Revised" License
Expat XML Parser	2.1.0	MIT License
Ext JS	3.2.0	Ext JS Commercial License OR Ext Exception to GPLv3.0 for Applications
Ext JS - Jangaroo Packaged	0.8.12	Affero GPLv3.0 AND GPLv3.0
Ext JS Ext.ux.YoutubePlayer	20080327	LGPLv2.1
Ext JS Ext.ux.Livegrid Extension	0.5	Alternative Commercial License Available OR GPLv3.0
fastlz	0.1.0	MIT License

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file	5.11	Fine Free File Command License
file-libs	5.11	BSD 3-clause "New" or "Revised" License
FileSaver.js	d8c81c105f3f952326ebd7700c8cf6da2690eba0	MIT License
findutils	4.5.11	GPLv3.0 or later
fipscheck	1.4.1	BSD 3-clause "New" or "Revised" License
fipscheck-lib	1.4.1	BSD 3-clause "New" or "Revised" License
firepad	0.1.4	MIT License
fontconfig	2.10.95	MIT License
FreeType Project	2.4.11	BSD 3-clause "New" or "Revised" License
Gawk	4.0.2	BSD 3-clause "New" or "Revised" License AND LGPLv3.0 or later AND GPLv3.0 or later
GDB	7.12	GPLv3.0 or later
GitHub's jsPDF	1.2.61	MIT License
gkernel: rng-tools / ethtool	4.5	GPLv2.0 only
GLib2	2.42.2	LGPLv2.1
global-store	0.7.1	MIT License
GMP	6.0.0	GPLv2.0 OR LGPLv3.0
GNU awk	4.0.2	GPLv3.0
GNU Binutils	2.23.52.0.1	GPLv3.0
GNU C Library	2.17	LGPLv2.1

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NAME	VERSION	LICENSE TYPE
GNU Compiler Collection	4.8.5	GPLv2.0 or later AND LGPLv3.0 or later AND LGPLv2.1 or later AND GPLv3.0 or later
GNU Core Utilities	8.22	GPLv3.0
GNU cpio	2.11	GPLv3.0
Grep	2.2	GPLv3.0
GNU Libtool	2.4.2	GPLv2.0
GNU MPFR	3.1.1	LGPLv3.0
GNU Ncurses	5.9	Free Software Foundation - MIT License (MIT +)
GNU Parted	3.1	GPLv3.0
GNU tar	1.26	GPLv3.0
GnuPG	2.0.22	LGPLv3.0 AND GPLv3.0
google-api-python-client	1.5.4	Apache License 2.0
google-api-python-client-legacypython	1.6.2	Apache License 2.0
google-perftools	2.4	BSD 3-clause "New" or "Revised" License
google-snappy	1.1.0	BSD 3-clause "New" or "Revised" License
graphael	1.1.0	MIT License
grr-client-templates	3.1.0.2	Apache License 2.0
grub	0.97	GPLv2.0
gzip	1.5	GPLv3.0 AND GFDL
Highcharts JS	4.2.5	Creative Commons Attribution Non Commercial 3.0 OR Alternative Commercial License Available

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NAME	VERSION	LICENSE TYPE
httpd-tools	2.4.6	Apache License 2.0
httplib2	0.9.2	MIT License
hwdata	0.252	GPLv2.0 OR XFree86
hwdata-pnp	0.282	GPLv2.0 OR XFree86
ie10-viewport-bug-workaround.js	1.0.0	ISC License
initscripts	8.45.14.EL	GPLv3.0
iproute2	3.10.0	GPLv2.0
IPTables	1.4.21	GPLv2.0
iputils	s20121221	GPLv2.0 AND BSD 3-clause "New" or "Revised" License AND Sun RPC License
IPython	2.4.1	BSD 3-clause "New" or "Revised" License
JBoss Drools	5.2.0.015	Apache License 2.0
jmespath	0.9.0	MIT License
jmespath.py	0.9.0	MIT License
jQuery	3.5.1	MIT License
jQuery Mousewheel	3.1.6	MIT License
jQuery UI	1.11.0-1	MIT License
JSONPath	0.8.0	MIT License
jspdf-autotable	2.3.0	MIT License
jspm-resolve	1.0.6	MIT License
Jython	2.7.5	JPython License 1.1x
keyutils	1.5.8	GPLv2.0 AND LGPLv2.1

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NAME	VERSION	LICENSE TYPE
keyutils-libs	1.5.8	GPLv2.0 AND LGPLv2.1
Less	458	GPLv3.0
libassuan	2.1.0	LGPLv2.1 OR GPLv3.0
libcap-dev	2.22	LGPLv2.1
libcap-ng	0.7.5	LGPLv2.1
libcomerr2	1.42.9	MIT License
libdb	5.3.21	BSD 3-clause "New" or "Revised" License
libdb-utils	5.3.21	BSD 3-clause "New" or "Revised" License
libevent	2.0.21	BSD 3-clause "New" or "Revised" License
libffi	3.2.1	MIT License
libgcc	4.8.5	GPLv3.0 AND GPLv3.0 with exceptions AND GPLv2.0 with exceptions
libgcrypt	1.5.3	LGPLv2.1
libgpg-error	1.12	LGPLv2.1
libgssglue	0.1	GPLv1.0 or later
libgssglue1	0.1	BSD 3-clause "New" or "Revised" License OR Xmlproc License OR Christian Michelsen Research License OR Silicon Graphics New License
libguestfs	1.16.19	LGPLv2.1
libidn	1.28	LGPLv2.1
libjpeg	1.2.90	BSD 3-clause "New" or "Revised" License

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libjpeg-turbo	1.2.90	Independent JPEG Group License
libksba	1.3.5	GPLv2.0 or later AND Internet Society - RFC License AND LGPLv3.0 or later AND GPLv3.0 or later
liblockdev1	1.0.4	LGPLv2.1
libmount	2.23.2	LGPLv2.1
libmpc	1.0.1	LGPLv3.0
libnfnetlink	1.0.1	GPLv2.0
libnfsidmap	0.25	BSD 3-clause "New" or "Revised" License
libnfsidmap-dev	0.25	BSD 3-clause "New" or "Revised" License
libpcap	1.5.3	BSD 3-clause "New" or "Revised" License
libpng	1.5.13	libpng License
libpth-dbg	2.0.7	LGPLv2.1
libpwquality	1.2.3	GPLv2.0 or later OR BSD 3-clause "New" or "Revised" License
libselinux	2.2.2	Public Domain
libsemanage	2.1.10	LGPLv2.1
libss	1.42.9	MIT License
libstdc++	4.8.5	GPLv3.0 AND GPLv3.0 with exceptions AND GPLv2.0 with exceptions
libtirpc	0.2.4	BSD 3-clause "New" or "Revised" License
libunwind	1.1	MIT License

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NAME	VERSION	LICENSE TYPE
libuser	0.6	LGPLv2.1
libxml2-python	2.9.4	MIT License
libxslt	1.1.28	BigInteger License
Linux Diagnostic Tools	2.1.0	GPLv2.0 AND LGPLv2.1 AND Eclipse Public License 1.0
Linux kernel (PA-Series only)	3.10.88	GPLv2.0
Linux kernel (VM-Series only)	3.10.0-957	GPLv2.0
Linux-Pam	1.1.8	GPLv2.0 OR BSD 3-clause "New" or "Revised" License
logrotate	3.8.6	GPLv2.0
LZO real-time data compression library	2.06	GPLv2.0 or later
M2Crypto	0.21.1	M2Crypto License (similar to Historical Permission Notice and Disclaimer)
mailx	12.5	BSD 4-clause (University of California-Specific) AND Mozilla Public License 1.1
MAKEDEV	3.23	GPLv2.0
mcrypt	2.5.8	GPLv2.0
mingetty	1.07	GPLv2.0
Modernizr	2.0.6	MIT License
module-init-tools	3.3	GPLv2.0
Mozilla NSS	3.19.1	Mozilla Public License v2.0
mpc	1.0.1	LGPLv3.0

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mpfr-dev	3.1.1	LGPLv3.0 or later
mumble-django	2.5	GPLv.2 or later
myproxy-libs	2.1.26	BSD 3-clause "New" or "Revised" License AND Apache License 2.0 AND University of Illinois/NCSA Open Source License
ncurses-libs	5.9	MIT License
ncurses-term	5.9	BSD 3-clause "New" or "Revised" License OR X11 License OR BigInteger License
net-SNMP	5.7.2	BSD 3-clause "New" or "Revised" License AND CMU License
net-tools	2	GPLv2.0
Network Time Protocol project (NTP)	4.2.8p6	GPLv2.0 or later AND BSD 4-clause (University of California-Specific) AND BSD 3-clause "New" or "Revised" License AND MIT License
NFS	1.3.0	GPLv2.0 or later AND BSD 3-clause "New" or "Revised" License AND MIT License
nongnu - dmidecode	2.12	GPLv2.0
NSS	3.19.1	Mozilla Public License 2.0
nss-softokn	3.19.1	Mozilla Public License 2.0
nss-softokn-freebl	3.19.1	Mozilla Public License 2.0
nss-tools	3.19.1	Mozilla Public License 2.0
nss-utils	3.19.1	Mozilla Public License 2.0
object-assign-shim	1.0.0	MIT License
Open Virtual Machine Tools	10.3.10	GPLv2.0

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NAME	VERSION	LICENSE TYPE
OpenLDAP	2.4.40	Open LDAP Public License v2.8
openldap-clients	2.4.40	Open LDAP Public License v2.8
OpenSAML 2.0	2.5.5	Apache License 2.0
OpenSSH	6.4p1	BSD 3-clause "New" or "Revised" License
OpenSSL	1.0.1e	Open SSL License AND SSLeay License
openwsman	2.3.6	BSD 3-clause "New" or "Revised" License
pam_krb5	2.4.8	BSD 3-clause "New" or "Revised" License
parted	3.1	GPLv3.0
passwd	0.79	GPLv2.0 AND BSD 3-clause "New" or "Revised" License
pciutils	3.2.1	GPLv2.0
pciutils-libs	3.2.1	GPLv2.0
PCRE	8.32	PCRE License
pexpect	2.3	MIT License
phantomjs	1.9.8	Apache License 2.0
PHP	5.6.25	PHP License v3.01
php-fpdf	1.53.dfsg	PHP License v3.01
php-mongodb	1.1.2	Apache License 2.0
php-pecl-jsonc	1.3.6	PHP License v3.01
pinentry	0.8.1	GPLv2.0 or later
pinentry-gtk2	0.8.1	GPLv2.0 or later
popt	1.13	MIT License

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NAME	VERSION	LICENSE TYPE
prismic.io	1.1.4	Apache License 2.0
procps-ng	3.3.10	GPLv2.0 or later AND LGPLv2.1 or later AND GPLv3.0 or later
Protocol Buffers	3.2.0	BSD 3-clause "New" or "Revised" License
psmisc	22.2	GPLv2.0
pth	2.0.7	LGPLv2.1
PUPA	0.97	GPLv2.0
py-boto3	1.4.0	Apache License 2.0
PyCrypto	2.6.1	Public Domain
PycURL	7.43.0	cURL License OR LGPLv2.1
py-dateutil	2.5.3	BSD 3-clause "New" or "Revised" License
py-jmespath	0.9.0	MIT License
python-M2Crypto	0.22.5	MIT License
PyMongo	3.0.3	Apache License 2.0
py-oauth2client	4.0.0	Apache License 2.0
py-requests	2.13.0	Apache License 2.0
py-uritemplate	3.0.0	BSD 3-clause "New" or "Revised" License
py-urlgrabber-doc	3.10.1	LGPLv2.1
Python programming language	2.7.5	Python License 2.0
python2-google-api-client	1.6.2	Apache License 2.0
python2-rsa	3.4.2	Apache License 2.0
python-s3transfer	0.1.10	Apache License 2.0

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NAME	VERSION	LICENSE TYPE
python2-s3transfer	0.1.10	Apache License 2.0
python-backports-ssl_match_hostname	3.4.0.2	Python License 2.0
python-crypto	2.6.1	Public Domain AND Python License 2.0
python-cryptography	1.7.1	BSD 3-clause "New" or "Revised" License OR Apache License 2.0
pythonfutures	3.1.1	Python License 2.0
python-libevent	0.9.2	LGPLv3.0
python-pcs	0.6+debian	Python License 2.0
python-pillow	2.0.0	MIT License
python-pyasn1	0.1.7	BSD 3-clause "New" or "Revised" License
python-pyasn1-modules	0.1.7	BSD 2-clause "Simplified" License
python-reportlab	2.5	BSD 3-clause "New" or "Revised" License
python-urlgrabber	3.1	LGPLv2.1
python-urwid	0.9.8.3	LGPLv2.1
rcs	5.9.0	GPLv3.0
Readline	6.2	GPLv3.0
redis	3.2.4	MIT License
ReportLab	2.5	BSD 3-clause "New" or "Revised" License
rootfiles	8.1	Public Domain
RPCbind	0.2.0	BSD 3-clause "New" or "Revised" License
RPM	4.11.3	GPLv2.0

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NAME	VERSION	LICENSE TYPE
rpm-libs	4.11.3	GPLv2.0 AND LGPLv2.1
rsa-legacypython	3.4.2	Apache License 2.0
Samba	3.0.33	GPLv2.0
sed	4.2.2	GPLv2.0
setup	2.8.71-6.el7	Public Domain
setuptools	0.9.8	Python License 2.0
Shadow Tool Suite	4.1.5.1	GPLv2.0 OR BSD 3-clause "New" or "Revised" License OR GPLv1.0 or later
simogeo's Filemanager	2.2.0	MIT License
six Compatibility Utility	1.10.0	MIT License
smart_proxy_dhcp_remote_isc	0.0.2.1	GPLv3.0
Snappy	1.1.0	BSD 3-clause "New" or "Revised" License
socket.io-browserify	0.9.11	MIT License
sphinx_rtd_theme	0.4.1	MIT License
SQLite	3.7.17	Public Domain
sscep	1.0.0	BSD-like
sysfsutils	2.1.0	GPLv2.0 AND LGPLv2.1
sysklogd	1.4.1	GPLv2.0
syslog-ng	3.9.1	GPLv2.0
syslog-ng-incubator	3.9.1	GPLv2.0 with OpenSSL Exception
syslog-ng-python	3.9.1	GPLv2.0 only
sysstat	10.1.5	GPLv2.0
SysVinit	2.86	GPLv2.0

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NAME	VERSION	LICENSE TYPE
tcp_wrappers	7.6	BSD 3-clause "New" or "Revised" License
tcp_wrappers-libs	7.6	BSD 3-clause "New" or "Revised" License
TCPDF	6.2.11	LGPLv3.0 only
tcpdump	4.5.1	BSD 3-clause "New" or "Revised" License
telnet	0.17	BSD 3-clause "New" or "Revised" License
Telnet++	0.17	BSD 4-clause "Original" or "Old" License
telnet-server	0.17	BSD 3-clause "New" or "Revised" License
texinfo - GNU documentation system	5.1	GPLv3.0
tftp	5.2	BSD 3-clause "New" or "Revised" License
Time Zone Database	2018g	Public Domain
traceroute	2.0.19	GPLv2.0 or later
unixODBC	2.3.1	GPLv2.0 or later
uritemplate-py	3.0.0	BSD 3-clause "New" or "Revised" License OR Apache License 2.0
usbutils	7	GPLv2.0
ustr	1.0.4	MIT License
util-linux	2.23.2	GPLv2.0
vim-minimal	7.4.160	Vim License
virt-what	1.13	GPLv2.0
Visionmedia Debug	3.2.0	MIT License

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vixie-cron	4.1	ISC License AND BSD 2-clause "Simplified" License AND BSD 3-clause "New" or "Revised" License
Webtoolkit JavaScript base64	20090123	Creative Commons Attribution 2.0 UK License
Wget	1.16.2	GPLv3.0
when	3.7.3	MIT License
xdelta	3.0.7	GPLv2.0 or later
xe-guest-utilities	6.1.0	GPLv2.0 or later AND LGPLv2.1 or later AND BSD 2-clause "Simplified" License
xinetd	2.3.15	xinetd License
XMLTooling-C	1.6.4	Apache License 2.0
XZ Utils	5.1.2	GPLv2.0 or later AND LGPLv2.1 or later AND Public Domain AND GPLv3.0 or later
zlib	1.2.7	zlib License

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NAME	VERSION	LICENSE TYPE
@epelc/gridstack	0.3.0-dev	MIT License
ACL	2.2.51	LGPLv2.1
ACPI daemon Project (acpid)	2.0.19	GPLv2.0
Apache Geronimo	1.2-beta	Apache License 2.0
Apache HTTP Server	2.4.6	Apache License 2.0
Apache Portable Runtime	1.4.8	Apache License 2.0
APR-util	1.5.2	Apache License 2.0
ASN.1 library for Python	0.1.7	BSD 2-clause "Simplified" License
attr-lib	2.4.46	LGPLv2.1
Audit	2.4.1	GPLv2.0
audit-libs	2.4.1	LGPLv2.1
base-files	8	GPLv2.0
bash	4.2.46	GPLv3.0
beecrypt	4.2.1	LGPLv2.1 or later
BIND (Berkeley Internet Name Domain)	9.9.4	ISC License
bind-libs	9.9.4	ISC License
bind-libs-lite	9.9.4	ISC License
bind-license	9.9.4	ISC License
bind-utils	9.9.4	ISC License
binutils	2.23	GPLv3.0 or later
Bluebird JS	3.5.0	MIT License

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Bootstrap	4.1.3	MIT License
boto3	1.4.1	Apache License 2.0
botocore	1.4.42	Apache License 2.0
bsdutils	2.30.2	GPLv2.0 or later
bzip2	1.0.6	BSD 3-clause "New" or "Revised" License
bzip2-libs	1.0.6	BSD 3-clause "New" or "Revised" License
cavaliercoder/go-rpm	20170617-snapshot-c7209c35	BSD 3-clause "New" or "Revised" License
centos-release	7	GPLv2.0
chkconfig	1.3.61	GPLv2.0
ci-node-server	0.0.6	MIT License
cpp	4.8.5	GPLv2.0
cracklib	2.9.0	LGPLv2.1
cracklib2	2.8.16	LGPLv2.1
crontabs	1.11	Public Domain
cyrus-sasl	2.1.26	Carnegie Mellon University License
cyrus-sasl-lib	2.1.26	BSD 4-clause License
D3.js	3.4.11	BSD 3-clause "New" or "Revised" License
DB	5.3.21	Alternative Commercial License Available
Debian PHP	5.3.3	PHP License v3.01
dejavu-fonts-common	2.33	Bitstream Vera Fonts Copyright
dejavu-sans-fonts	2.33	Bitstream Vera Fonts Copyright
device-mapper	1.02.107	GPLv2.0

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device-mapper-libs	1.02.107	LGPLv2.1
devtoolset-3-binutils	2.24	GPLv3.0
dhclient	4.2.5	ISC License
dhcp-common	4.2.5	ISC License
dhcp-doc	4.3.4	ISC License
dhcp-libs	4.2.5	ISC License
diff	3.3	GPLv2.0 or later OR Free Documentation License v1.1 OR Free Documentation License v1.3 OR GPLv3.0
diskscrub	2.5.2	GPLv2.0
dmidecode	2.12	GPLv2.0
e2fsprogs	1.42.9	GPLv2.0 AND LGPLv2.1
elfutils	0.163	GPLv3.0
es5-shim	4.0.3	MIT License
EventLog Library	0.2.12	BSD 3-clause "New" or "Revised" License
Expat XML Parser	2.1.0	MIT License
Ext JS	3.2.0	Ext JS Commercial License OR Ext Exception to GPLv3.0 for Applications
Ext JS - Jangaroo Packaged	0.8.12	Affero GPLv3.0 AND GPLv3.0
Ext JS Ext.ux.YoutubePlayer	20080327	LGPLv2.1
Ext JS Ext.ux.Livegrid Extension	0.5	Alternative Commercial License Available OR GPLv3.0
fastlz	0.1.0	MIT License
file	5.11	Fine Free File Command License
file-libs	5.11	BSD 3-clause "New" or "Revised" License

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FileSaver.js	d8c81c105f3f952d7e3d7790c8cf6da2690eba0	MIT License
findutils	4.5.11	GPLv3.0 or later
fipscheck	1.4.1	BSD 3-clause "New" or "Revised" License
fipscheck-lib	1.4.1	BSD 3-clause "New" or "Revised" License
firepad	0.1.4	MIT License
fontconfig	2.10.95	MIT License
FreeType Project	2.4.11	BSD 3-clause "New" or "Revised" License
Gawk	4.0.2	BSD 3-clause "New" or "Revised" License AND LGPLv3.0 or later AND GPLv3.0 or later
GDB	7.12	GPLv3.0 or later
GitHub's jsPDF	1.2.61	MIT License
gkernel: rng-tools / ethtool	4.5	GPLv2.0 only
GLib2	2.42.2	LGPLv2.1
global-store	0.7.1	MIT License
GMP	6.0.0	GPLv2.0 OR LGPLv3.0
GNU awk	4.0.2	GPLv3.0
GNU Binutils	2.23.52.0.1	GPLv3.0
GNU C Library	2.17	LGPLv2.1
GNU Compiler Collection	4.8.5	GPLv2.0 or later AND LGPLv3.0 or later AND LGPLv2.1 or later AND GPLv3.0 or later
GNU Core Utilities	8.22	GPLv3.0
GNU cpio	2.11	GPLv3.0
Grep	2.2	GPLv3.0

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GNU Libtool	2.4.2	GPLv2.0
GNU MPFR	3.1.1	LGPLv3.0
GNU Ncurses	5.9	Free Software Foundation - MIT License (MIT +)
GNU Parted	3.1	GPLv3.0
GNU tar	1.26	GPLv3.0
GnuPG	2.0.22	LGPLv3.0 AND GPLv3.0
google-api-python-client	1.5.4	Apache License 2.0
google-api-python-client-legacypython	1.6.2	Apache License 2.0
google-perftools	2.4	BSD 3-clause "New" or "Revised" License
google-snappy	1.1.0	BSD 3-clause "New" or "Revised" License
graphael	1.1.0	MIT License
grr-client-templates	3.1.0.2	Apache License 2.0
grub	0.97	GPLv2.0
gzip	1.5	GPLv3.0 AND GFDL
Highcharts JS	4.2.5	Creative Commons Attribution Non Commercial 3.0 OR Alternative Commercial License Available
httpd-tools	2.4.6	Apache License 2.0
httplib2	0.9.2	MIT License
hwdata	0.252	GPLv2.0 OR XFree86
hwdata-pnp	0.282	GPLv2.0 OR XFree86
ie10-viewport-bug-workaround.js	1.0.0	ISC License
initscripts	8.45.14.EL	GPLv3.0

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iproute2	3.10.0	GPLv2.0
IPTables	1.4.21	GPLv2.0
iputils	s20121221	GPLv2.0 AND BSD 3-clause "New" or "Revised" License AND Sun RPC License
IPython	2.4.1	BSD 3-clause "New" or "Revised" License
JBoss Drools	5.2.0.015	Apache License 2.0
jmespath	0.9.0	MIT License
jmespath.py	0.9.0	MIT License
jQuery	3.5.1	MIT License
jQuery Mousewheel	3.1.6	MIT License
jQuery UI	1.11.0-1	MIT License
JSONPath	0.8.0	MIT License
jspdf-autotable	2.3.0	MIT License
jspm-resolve	1.0.6	MIT License
Jython	2.7.5	JPython License 1.1x
keyutils	1.5.8	GPLv2.0 AND LGPLv2.1
keyutils-libs	1.5.8	GPLv2.0 AND LGPLv2.1
Less	458	GPLv3.0
libassuan	2.1.0	LGPLv2.1 OR GPLv3.0
libcap-dev	2.22	LGPLv2.1
libcap-ng	0.7.5	LGPLv2.1
libcomerr2	1.42.9	MIT License
libdb	5.3.21	BSD 3-clause "New" or "Revised" License
libdb-utils	5.3.21	BSD 3-clause "New" or "Revised" License

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libevent	2.0.21	BSD 3-clause "New" or "Revised" License
libffi	3.2.1	MIT License
libgcc	4.8.5	GPLv3.0 AND GPLv3.0 with exceptions AND GPLv2.0 with exceptions
libgcrypt	1.5.3	LGPLv2.1
libgpg-error	1.12	LGPLv2.1
libgssglue	0.1	GPLv1.0 or later
libgssglue1	0.1	BSD 3-clause "New" or "Revised" License OR Xmlproc License OR Christian Michelsen Research License OR Silicon Graphics New License
libguestfs	1.16.19	LGPLv2.1
libidn	1.28	LGPLv2.1
libjpeg	1.2.90	BSD 3-clause "New" or "Revised" License
libjpeg-turbo	1.2.90	Independent JPEG Group License
libksba	1.3.5	GPLv2.0 or later AND Internet Society - RFC License AND LGPLv3.0 or later AND GPLv3.0 or later
liblockdev1	1.0.4	LGPLv2.1
libmount	2.23.2	LGPLv2.1
libmpc	1.0.1	LGPLv3.0
libnfnetlink	1.0.1	GPLv2.0
libnfsidmap	0.25	BSD 3-clause "New" or "Revised" License
libnfsidmap-dev	0.25	BSD 3-clause "New" or "Revised" License
libpcap	1.5.3	BSD 3-clause "New" or "Revised" License
libpng	1.5.13	libpng License

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libpth-dbg	2.0.7	LGPLv2.1
libpwquality	1.2.3	GPLv2.0 or later OR BSD 3-clause "New" or "Revised" License
libselinux	2.2.2	Public Domain
libsemanage	2.1.10	LGPLv2.1
libss	1.42.9	MIT License
libstdc++	4.8.5	GPLv3.0 AND GPLv3.0 with exceptions AND GPLv2.0 with exceptions
libtirpc	0.2.4	BSD 3-clause "New" or "Revised" License
libunwind	1.1	MIT License
libuser	0.6	LGPLv2.1
libxml2-python	2.9.4	MIT License
libxslt	1.1.28	BigInteger License
Linux Diagnostic Tools	2.1.0	GPLv2.0 AND LGPLv2.1 AND Eclipse Public License 1.0
Linux kernel	3.10.88	GPLv2.0
Linux-Pam	1.1.8	GPLv2.0 OR BSD 3-clause "New" or "Revised" License
logrotate	3.8.6	GPLv2.0
LZO real-time data compression library	2.06	GPLv2.0 or later
M2Crypto	0.21.1	M2Crypto License (similar to Historical Permission Notice and Disclaimer)
mailx	12.5	BSD 4-clause (University of California-Specific) AND Mozilla Public License 1.1
MAKEDEV	3.23	GPLv2.0
mcrypt	2.5.8	GPLv2.0

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mingetty	1.07	GPLv2.0
Modernizr	2.0.6	MIT License
module-init-tools	3.3	GPLv2.0
Mozilla NSS	3.19.1	Mozilla Public License v2.0
mpc	1.0.1	LGPLv3.0
mpfr-dev	3.1.1	LGPLv3.0 or later
mumble-django	2.5	GPLv.2 or later
myproxy-libs	6.1.29	BSD 3-clause "New" or "Revised" License AND Apache License 2.0 AND University of Illinois/NCSA Open Source License
ncurses-libs	5.9	MIT License
ncurses-term	5.9	BSD 3-clause "New" or "Revised" License OR X11 License OR BigInteger License
net-SNMP	5.7.2	BSD 3-clause "New" or "Revised" License AND CMU License
net-tools	2	GPLv2.0
Network Time Protocol project (NTP)	4.2.8p6	GPLv2.0 or later AND BSD 4-clause (University of California-Specific) AND BSD 3-clause "New" or "Revised" License AND MIT License
NFS	1.3.0	GPLv2.0 or later AND BSD 3-clause "New" or "Revised" License AND MIT License
nongnu - dmidecode	2.12	GPLv2.0
NSS	3.19.1	Mozilla Public License 2.0
nss-softokn	3.19.1	Mozilla Public License 2.0
nss-softokn-freebl	3.19.1	Mozilla Public License 2.0
nss-tools	3.19.1	Mozilla Public License 2.0

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nss-utils	3.19.1	Mozilla Public License 2.0
object-assign-shim	1.0.0	MIT License
Open Virtual Machine Tools	9.4.6	GPLv2.0
OpenLDAP	2.4.40	Open LDAP Public License v2.8
openldap-clients	2.4.40	Open LDAP Public License v2.8
OpenSAML 2.0	2.5.5	Apache License 2.0
OpenSSH	6.4p1	BSD 3-clause "New" or "Revised" License
OpenSSL	1.0.1e	Open SSL License AND SSLeay License
openwsman	2.3.6	BSD 3-clause "New" or "Revised" License
pam_krb5	2.4.8	BSD 3-clause "New" or "Revised" License
parted	3.1	GPLv3.0
passwd	0.79	GPLv2.0 AND BSD 3-clause "New" or "Revised" License
pciutils	3.2.1	GPLv2.0
pciutils-libs	3.2.1	GPLv2.0
PCRE	8.32	PCRE License
pexpect	2.3	MIT License
phantomjs	1.9.8	Apache License 2.0
PHP	5.6.25	PHP License v3.01
php-fpdf	1.53.dfsg	PHP License v3.01
php-mongodb	1.1.2	Apache License 2.0
php-pecl-jsonc	1.3.6	PHP License v3.01
pinentry	0.8.1	GPLv2.0 or later
pinentry-gtk2	0.8.1	GPLv2.0 or later

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popt	1.13	MIT License
prismic.io	1.1.4	Apache License 2.0
procps-ng	3.3.10	GPLv2.0 or later AND LGPLv2.1 or later AND GPLv3.0 or later
Protocol Buffers	3.2.0	BSD 3-clause "New" or "Revised" License
psmisc	22.2	GPLv2.0
pth	2.0.7	LGPLv2.1
PUPA	0.97	GPLv2.0
py-boto3	1.4.0	Apache License 2.0
PyCrypto	2.6.1	Public Domain
PycURL	7.43.0	cURL License OR LGPLv2.1
py-dateutil	2.5.3	BSD 3-clause "New" or "Revised" License
py-jmespath	0.9.0	MIT License
python-M2Crypto	0.22.5	MIT License
PyMongo	3.0.3	Apache License 2.0
py-oauth2client	4.0.0	Apache License 2.0
py-requests	2.13.0	Apache License 2.0
py-uritemplate	3.0.0	BSD 3-clause "New" or "Revised" License
py-urlgrabber-doc	3.10.1	LGPLv2.1
Python programming language	2.7.5	Python License 2.0
python2-google-api-client	1.6.2	Apache License 2.0
python2-rsa	3.4.2	Apache License 2.0
python-s3transfer	0.1.10	Apache License 2.0
python2-s3transfer	0.1.10	Apache License 2.0

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python-backports-ssl_match_hostname	3.4.0.2	Python License 2.0
python-crypto	2.6.1	Public Domain AND Python License 2.0
python-cryptography	1.7.1	BSD 3-clause "New" or "Revised" License OR Apache License 2.0
pythonfutures	3.1.1	Python License 2.0
python-libevent	0.9.2	LGPLv3.0
python-pcs	0.6+debian	Python License 2.0
python-pillow	2.0.0	MIT License
python-pyasn1	0.1.7	BSD 3-clause "New" or "Revised" License
python-pyasn1-modules	0.1.7	BSD 2-clause "Simplified" License
python-reportlab	2.5	BSD 3-clause "New" or "Revised" License
python-urlgrabber	3.1	LGPLv2.1
python-urwid	0.9.8.3	LGPLv2.1
rcs	5.9.0	GPLv3.0
Readline	6.2	GPLv3.0
redis	3.2.4	MIT License
ReportLab	2.5	BSD 3-clause "New" or "Revised" License
rootfiles	8.1	Public Domain
RPCbind	0.2.0	BSD 3-clause "New" or "Revised" License
RPM	4.11.3	GPLv2.0
rpm-libs	4.11.3	GPLv2.0 AND LGPLv2.1
rsa-legacypython	3.4.2	Apache License 2.0
Samba	3.0.33	GPLv2.0

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NAME	VERSION	LICENSE TYPE
sed	4.2.2	GPLv2.0
setup	2.8.71-6.el7	Public Domain
setuptools	0.9.8	Python License 2.0
Shadow Tool Suite	4.1.5.1	GPLv2.0 OR BSD 3-clause "New" or "Revised" License OR GPLv1.0 or later
simogeo's Filemanager	2.2.0	MIT License
six Compatibility Utility	1.10.0	MIT License
smart_proxy_dhcp_remote_isc	0.0.2.1	GPLv3.0
Snappy	1.1.0	BSD 3-clause "New" or "Revised" License
socket.io-browserify	0.9.11	MIT License
sphinx_rtd_theme	0.4.1	MIT License
SQLite	3.7.17	Public Domain
sscep	1.0.0	BSD-like
sysfsutils	2.1.0	GPLv2.0 AND LGPLv2.1
sysklogd	1.4.1	GPLv2.0
syslog-ng	3.9.1	GPLv2.0
syslog-ng-incubator	3.9.1	GPLv2.0 with OpenSSL Exception
syslog-ng-python	3.9.1	GPLv2.0 only
sysstat	10.1.5	GPLv2.0
SysVinit	2.86	GPLv2.0
tcp_wrappers	7.6	BSD 3-clause "New" or "Revised" License
tcp_wrappers-libs	7.6	BSD 3-clause "New" or "Revised" License
TCPDF	6.2.11	LGPLv3.0 only
tcpdump	4.5.1	BSD 3-clause "New" or "Revised" License

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NAME	VERSION	LICENSE TYPE
telnet	0.17	BSD 3-clause "New" or "Revised" License
Telnet++	0.17	BSD 4-clause "Original" or "Old" License
telnet-server	0.17	BSD 3-clause "New" or "Revised" License
texinfo - GNU documentation system	5.1	GPLv3.0
tftp	5.2	BSD 3-clause "New" or "Revised" License
Time Zone Database	2018g	Public Domain
traceroute	2.0.19	GPLv2.0 or later
unixODBC	2.3.1	GPLv2.0 or later
uritemplate-py	3.0.0	BSD 3-clause "New" or "Revised" License OR Apache License 2.0
usbutils	7	GPLv2.0
ustr	1.0.4	MIT License
util-linux	2.23.2	GPLv2.0
vim-minimal	7.4.160	Vim License
virt-what	1.13	GPLv2.0
Visionmedia Debug	3.2.0	MIT License
vixie-cron	4.1	ISC License AND BSD 2-clause "Simplified" License AND BSD 3-clause "New" or "Revised" License
Webtoolkit JavaScript base64	20090123	Creative Commons Attribution 2.0 UK License
Wget	1.16.2	GPLv3.0
when	3.7.3	MIT License
xdelta	3.0.7	GPLv2.0 or later

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NAME	VERSION	LICENSE TYPE
xe-guest-utilities	6.1.0	GPLv2.0 or later AND LGPLv2.1 or later AND BSD 2-clause "Simplified" License
xinetd	2.3.15	xinetd License
XMLTooling-C	1.6.4	Apache License 2.0
XZ Utils	5.1.2	GPLv2.0 or later AND LGPLv2.1 or later AND Public Domain AND GPLv3.0 or later
zlib	1.2.7	zlib License

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PAN-OS 8.1 OSS Listing

NAME	VERSION	LICENSE TYPE
acpid	1.0.10	GPLv2
basesystem	8	Public Domain
bash	3.1	GPLv2
beecrypt	4.1.2	LGPLv2.1
bind-libs	9.3.3	ISC
bind-utils	9.3.3	ISC
binutils	2.23.51.0.3	GPL
Bootstrap	4.1.3	MIT
bonnie++	1.03d	GPLv2
bzip2	1.0.3	BSD
bzip2-libs	1.0.3	BSD
chkconfig	1.3.30.1	GPLv2
coreutils	5.97	GPLv2
cpio	2.6	GPLv2
cpp	4.1.1	GPLv2
cracklib	2.8.9	Artistic
cracklib-dicts	2.8.9	Artistic
crontabs	1.1	Public Domain
curl	7.20.1	MIT
dhclient	3.0.5	Distributable
dhcp	3.0.5	Distributable

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NAME	VERSION	LICENSE TYPE
diffutils	2.8.1	GPLv2
dmidecode	2.11	GPLv2
dpdk	2.2	BSD
drng_samples	1	BSD-3
e2fsprogs	1.39	GPLv2
e2fsprogs-libs	1.39	GPLv2
e4fsprogs	1.41.12	GPLv2
e4fsprogs-libs	1.41.12	GPLv2
elfutils-libelf	0.128	GPLv2
ethtool	5	GPLv2
eventlog	0.2.12	BSD
expat	1.95.8	BSD
fastlz	0.1.0	FastLZ
file	5.04	Distributable
file-libs	5.04	Distributable
filesystem	2.4.0	Distributable
findutils	4.2.27	GPLv2
fipscheck	1.2.0	FreeBSD
fipscheck-lib	1.2.0	FreeBSD
flashrom	0.9.4	GPLv2
fontconfig	2.4.1	MIT
freetype	2.3.11	BSD-like
fuse-libs	2.8.5	GPLv2/LGPLv2

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NAME	VERSION	LICENSE TYPE
gawk	3.1.5	GPLv2
GDB	7.6	GPLv3+
glib	2.12.9	LGPLv2
glib2	2.42.2	LGPLv2
glibc	2.16	LGPLv2
glibc-common	2.16	LGPLv2
gmp	4.3.1	LGPLv3
gnupg	1.4.5	GPLv2
gperftools	2.2	BSD
grep	2.5.1	GPLv2
grub	6.0.97	GPL
gzip	1.3.5	GPLv2
inetutils	1.5	GPLv3
info	4.8	GPLv2
initscripts	8.45.15	GPLv2
iproute	2.6.18	GPLv2
iptables	1.3.5	GPLv2
iptables-ipv6	1.3.5	GPLv2
iputils	20020927	GPLv2
irqbalance	1.13	GPLv2
jQuery	3.5.1	MIT
jQuery-Knob	1.2.2	MIT
jQuery Mousewheel	3.1.6	MIT

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NAME	VERSION	LICENSE TYPE
jQuery UI	1.11.0-1	MIT
Jython	2.4.3	JPython License 1.1x
keyutils-libs	1.2	LGPLv2.1
krb5-libs	1.13.1	MIT
krb5-workstation	1.13.1	MIT
less	394	GPLv2
leveldb	1.15.0	BSD
libacl	2.2.39	LGPLv2.1
libattr	2.4.32	LGPLv2.1
libcurl4	7.20.1	MIT
libevent	2.0.19	GPLv2
libgcc	4.7.0	LGPLv2
libgethostbyname	1	LGPLv2
libgssapi	0.1	BSD-like
libjpeg	6b	IJG
liblog4shib1	1.09	LGPLv2.1
libmcrypt	2.5.8	LGPLv2
libpcap	0.9.4	BSD
libpng	1.2.44	OSI certified/Zl
libresolv	1	LGPLv2
libsaml8	2.5.5	Apache 2.0
libselinux	2.2.2	Public Domain
libsepol	1.15.2	LGPLv2.1

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NAME	VERSION	LICENSE TYPE
libsmbclient	3.0.33	GPLv2
libssp	4.7.2	GPLv3
libstdc++	4.7.0	GPL
libsysfs	2.0.0	LGPLv2
libtecla	1.6.1	MIT/X11
libtermcap	2.0.8	Public Domain
libunwind	1.1	BSD
libuser	0.54.7	LGPLv2
libvolume_id	127	GPLv2
libxerces-c-3_1	3.1.2	Apache 2.0
libxml-security-c17	1.7.3	Apache 2.0
libxml2	2.9.4	MIT
libxml2-python	2.9.4	PSF
libxmltooling6	1.5.6	Apache 2.0
libxslt	1.1.28	MIT
Linux kernel	3.10.88	GPLv2
lm_sensors	2.10.7	GPLv2
lockdev	1.0.1	LGPLv2.1
logrotate	3.7.4	GPLv2
lunasa	1	Commercial
lz4	r129	BSD
M2Crypto	0.21.1	BSD
mailx	8.1.1	BSD

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NAME	VERSION	LICENSE TYPE
MAKEDEV	3.23	GPLv2
mdadm	2.6.9	GPL
mingetty	1.07	GPLv2
minicom	2.1	GPLv2
mktemp	1.5	BSD
mmc-utils	1.0	GPLv2
module-init-tools	3.3	GPLv2
mongodb	2.6.11	MIT
mtdutils	1.0.0	GPL
ncurses	5.5	Distributable
net-SNMP	5.4.4	BSD
net-tools	1.6	GPLv2
nfs-utils	1.0.9	GPLv2
nfs-utils-lib	1.0.8	GPLv2
NSS	3.19.1	Mozilla Public License 2.0
nss-softokn	3.19.1	Mozilla Public License 2.0
nss-softokn-freebl	3.19.1	Mozilla Public License 2.0
nss-tools	3.19.1	Mozilla Public License 2.0
nss-utils	3.19.1	Mozilla Public License 2.0
ntp	4.2.8p6	Distributable
ntp-dp	4.2.8p6	Distributable

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NAME	VERSION	LICENSE TYPE
ntpdate	4.2.8p6	Distributable
open-vm-tools	9.4.6	GPLv2/LGPLv2
openldap	2.4.23	OpenLDAP
openldap-clients	2.4.23	OpenLDAP
opensaml-schemas	2.5.5	Apache 2.0
openssh	6.4p1	BSD
openssh-clients	6.4p1	BSD
openssh-server	6.4p1	BSD
openssl	1.0.1e	OpenSSL
openssl-mp	1.0.1e	OpenSSL
pam	1.0.2	BSD
pam_krb5	2.2.14	MIT
pam_ldap	1.8.4	LGPLv3
panos-release	2	GPLv2
parted	1.8.1	GPLv3
passwd	0.73	GPLv2
pciutils	3.1.4	GPLv2
pciutils-libs	3.1.4	GPLv2
pcre	6.6	BSD
pexpect	2.3	MIT
phantomjs	1.9.8	BSD
PHP	5.3.17	PHP v3.01
php-cli	5.3.17	PHP v3.01

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NAME	VERSION	LICENSE TYPE
php-ext	5.3.17	PHP v3.01
popt	1.12	MIT
portmap	4	BSD
procps	3.2.8	GPLv2
psmisc	22.2	BSD
python	2.4.3	PSF
python26	2.6.5	PSF
python26-libs	2.6.5	PSF
python-alt	2.7.5	PSF
python-alt-libs	2.7.5	PSF
python-bloom	0.1.12	BSD-like
python-boto	2.32.1	MIT
python-elementtree	1.2.6	PSF
python-imaging	1.1.5	Distributable
python-pyasn1	0.1.7	BSD
python-rsa	3.4.2	Apache 2.0
python-sqlite	1.1.7	Public Domain
python-urlgrabber	3.1.0	LGPLv2.1
python-waagentlib	2.0.13	Apache 2.0
rcs	5.7	GPLv2
readline	5.1	GPLv2
redhat-logos	4.9.8	
reportlab	2.2	BSD

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NAME	VERSION	LICENSE TYPE
rootfiles	8.1	Distributable
rpm	4.4.2	GPLv2
rpm-libs	4.4.2	GPLv2
rpm-python	4.4.2	GPLv2
s3fs	1.74	GPLv2
samba-common	3.0.33	GPLv2
scrub	2.1	GPLv2
sed	4.1.5	GPLv2
setup	2.5.58	Public Domain
shadow-utils	4.0.17	BSD
smartmontools	6.4	GPLv2
snappy	1.0.1	Apache 2.0
sqlite	3.6.12	Public Domain
sscep	1.0.0	BSD-like
sshpass	1.05	BSD
sysfsutils	2.0.0	GPLv2
sysklogd	1.4.1	GPLv2
syslinux	3.11	GPL
syslog-ng	3.2.5	GPLv2/LGPLv2
SysVinit	2.86	GPLv2
tar	1.15.1	GPLv2
tcpdump	3.9.4	BSD
termcap	5.5	Public Domain

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NAME	VERSION	LICENSE TYPE
tftp	0.48	BSD
tftp-server	0.48	BSD
traceroute	2.0.1	GPLv2
tzdata	2011l	Public domain
udev	127	GPLv2
util-linux	2.13	GPLv2
vconfig	1.9	GPL
vim-minimal	7.0.109	Charityware
virt-what	1.13	GPLv2
vixie-cron	4.1	ISC
vmware-netx	0.6	
wget	1.16.2	GPLv3
wmi	1.3.13	GPLv2
xdelta	1.1.3	GPL
xdelta3	3.0t	GPLv2
xe-guest-utilities	6.1.0	GPL/LGPL
xe-guest-utilities-xenstore	6.1.0	GPL/LGPL
xinetd	2.3.14	Distributable
xmltooling-schemas	1.5.6	Apache 2.0
xz-libs	4.999.9	LGPLv2
zlib	1.2.3	BSD

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PAN-OS 8.0 OSS Listing

NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
acpid	Standalone apps/ libraries	1.0.10	GPLv2	ACPI Event Daemon
basesystem		8	Public Domain	The skeleton package which defines a simple Red Hat Linux system
bash	Standalone apps/ libraries	3.1	GPLv2	The GNU Bourne Again shell (bash) version 3.1
beecrypt	OSS Shared library linkage	4.1.2	LGPLv2.1	An open source cryptography library
bind-libs	OSS Shared library linkage	9.3.3	ISC	Libraries used by the BIND DNS packages
bind-utils	Standalone apps/ libraries	9.3.3	ISC	Utilities for querying DNS name servers
binutils		2.23.51.0.3	GPL	A collection of binary tools
bonnie++	Standalone apps/ libraries	1.03d	GPLv2	A program for benchmarking hard drives and file systems
bzip2	Standalone apps/ libraries	1.0.3	BSD	A file compression utility
bzip2-libs	OSS Shared library linkage	1.0.3	BSD	Libraries for applications using bzip2
chkconfig	Standalone apps/ libraries	1.3.30.1	GPLv2	A system tool for maintaining the /etc/rc*.d hierarchy
coreutils	Standalone apps/ libraries	5.97	GPLv2	The GNU core utilities: a set of tools commonly used in shell scripts
cpio	Standalone apps/ libraries	2.6	GPLv2	A GNU archiving program

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
cpp	Standalone apps/ libraries	4.1.1	GPLv2	The C Preprocessor
cracklib	OSS Shared library linkage	2.8.9	Artistic	A password-checking library
cracklib-dicts	Dictionaries used by cracklib	2.8.9	Artistic	The standard CrackLib password-checking dictionaries
crontabs	Root crontab files, used by system utilities	1.1	Public Domain	Root crontab files used to schedule the execution of programs
curl	Standalone apps/ libraries	7.20.1	MIT	Get and send files to a FTP, HTTP, TFTP, SSH or other servers
dhclient	Standalone apps/ libraries	3.0.5	Distributable	The ISC DHCP client for configuring network interfaces
dhcp	Standalone apps/ libraries	3.0.5	Distributable	DHCP (Dynamic Host Configuration Protocol) server and relay agent
diffutils	Standalone apps/ libraries	2.8.1	GPLv2	A GNU collection of diff utilities
dmidecode	Standalone apps/ libraries	2.11	GPLv2	Tool to analyze BIOS DMI data
dpdk	Standalone apps/ libraries	2.2	BSD	Libraries and drivers for fast packet processing
drng_samples		1	BSD-3	Creating a simple library to support the Intel RDRAND instructions
e2fsprogs	Standalone apps/ libraries	1.39	GPLv2	Utilities for managing the second extended (ext2) file system
e2fsprogs-libs	OSS Shared library linkage	1.39	GPLv2	Ext2/3 file-system-specific static libraries and headers

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
e4fsprogs	Standalone apps/ libraries	1.41.12	GPLv2	Utilities for managing the fourth extended (ext4) file system
e4fsprogs-libs	OSS Shared library linkage	1.41.12	GPLv2	Ext4 file-system-specific static libraries and headers
elfutils-libelf	OSS Shared library linkage	0.128	GPLv2	Library to read and write ELF files
ethtool	Standalone apps/ libraries	5	GPLv2	Ethernet settings tool for PCI ethernet cards
eventlog	OSS Shared library linkage	0.2.12	BSD	A library for event logs
expat	OSS Shared library linkage	1.95.8	BSD	A library for parsing XML
fastlz	Shared library linkage	0.1.0	FastLZ	A real-time compression library
file	Standalone apps/ libraries	5.04	Distributable	A utility for determining file types
file-libs	Standalone apps/ libraries	5.04	Distributable	Libraries for applications using the LibMagic Perl interface
filesystem	Standalone apps/ libraries	2.4.0	Distributable	The basic directory layout for a Linux system
findutils	Standalone apps/ libraries	4.2.27	GPLv2	The GNU versions of find utilities (find and xargs)
fipscheck	Standalone apps/ libraries	1.2.0	FreeBSD	A library for integrity verification of FIPS validated modules
fipscheck-lib	Standalone apps/ libraries	1.2.0	FreeBSD	Library files for fipscheck
flashrom	Standalone apps/ libraries	0.9.4	GPLv2	Flashrom flash utility

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
fontconfig	OSS Shared library linkage	2.4.1	MIT	Font configuration and customization library
freetype	OSS Shared library linkage	2.3.11	BSD-like	A free and portable font rendering engine
fuse-libs	Standalone apps/ libraries	2.8.5	GPLv2/ LGPLv2	File System in Userspace (FUSE) libraries
gawk	Standalone apps/ libraries	3.1.5	GPLv2	The GNU version of the awk text processing utility
GDB	Standalone apps/ libraries	7.6	GPLv3+	A GNU source-level debugger for C, C++, Java and other languages
glib	OSS Shared library linkage	2.12.9	LGPLv2	A bundle of low-level system libraries in C language
glib2	OSS Shared library linkage	2.42.2	LGPLv2	A library of useful utility functions
glibc	Shared library linkage	2.16	LGPLv2	The GNU libc libraries
glibc-common	Shared library linkage	2.16	LGPLv2	Common binaries and locale data for glibc
gmp	OSS Shared library linkage	4.3.1	LGPLv3	A GNU arbitrary precision library
gnupg	Standalone apps/ libraries	1.4.5	GPLv2	A GNU utility for secure communication and data storage
gperftools	OSS Shared library linkage	2.2	BSD	Performance Tools for C++
grep	Standalone apps/ libraries	2.5.1	GPLv2	The GNU versions of grep pattern matching utilities
grub	Standalone apps/ libraries	6.0.97	GPL	GRUB - the Grand Unified Boot Loader

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
gzip	Standalone apps/ libraries	1.3.5	GPLv2	The GNU data compression program
inetutils	Standalone apps/ libraries	1.5	GPLv3	Internet utilities
info	Standalone apps/ libraries	4.8	GPLv2	A stand-alone TTY-based reader for GNU Texinfo documentation
initscripts	Standalone apps/ libraries + startup and shutdown scripts	8.45.15	GPLv2	The inittab file and the /etc/ init.d scripts
iproute	Standalone apps/ libraries	2.6.18	GPLv2	Advanced IP routing and network device configuration tools
iptables	Standalone apps/ libraries	1.3.5	GPLv2	Tools for managing Linux kernel packet filtering capabilities
iptables-ipv6	Standalone apps/ libraries	1.3.5	GPLv2	IPv6 support for IP tables
iputils	Standalone apps/ libraries	20020927	GPLv2	Network monitoring tools including ping
irqbalance	Standalone apps/ libraries	1.13	GPLv2	IRQ balancing daemon
jQuery (PAN-OS 8.0.0 – 8.0.20)	Standalone apps/ libraries	1.11.3	MIT	Fast, small, and feature-rich JavaScript library
jQuery (PAN-OS 8.0.21 & later)	Standalone apps/ libraries	3.4.1	MIT	Fast, small, and feature-rich JavaScript library
jQuery-Knob	—	1.2.2	MIT	Downward compatible, touchable, jQuery dial

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
jQuery Mousewheel	—	3.1.6	MIT	A jQuery plugin that adds cross-browser mouse wheel support
jQuery UI	—	1.11.0-1	MIT	A curated set of user interface interactions, effects, widgets, and themes built on top of the jQuery JavaScript Library
keyutils-libs	Key utilities library	1.2	LGPLv2.1	OSS Shared library linkage
krb5-libs	Shared library linkage	1.13.1	MIT	The shared libraries used by Kerberos 5
krb5-workstation	Standalone apps/ libraries	1.13.1	MIT	Kerberos 5 programs for use on workstations
less	Standalone apps/ libraries	394	GPLv2	A text file browser similar to more, but better
leveldb	Shared library linkage	1.15.0	BSD	LevelDB library
libacl	OSS Shared library linkage	2.2.39	LGPLv2.1	Dynamic library for access control list support
libattr	OSS Shared library linkage	2.4.32	LGPLv2.1	Dynamic library for extended attribute support
libcurl4	Shared library linkage	7.20.1	MIT	The cURL library
libevent	OSS Shared library linkage	2.0.19	GPLv2	Abstract asynchronous event notification library
libgcc	Shared library linkage	4.7.0	LGPLv2	GCC version 4.1 shared support library
libgethostbyname	Shared library linkage	1	LGPLv2	Fix glibc ghost bug
libgssapi	OSS Shared library linkage	0.1	BSD-like	Generic Security Services Application Programming Interface Library
libjpeg	OSS Shared library linkage	6b	IJG	A library for manipulating JPEG image format files

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
liblog4shib1	Standalone apps/ libraries	1.09	LGPLv2.1	Log for C++, Shibboleth Edition
libmcrypt	OSS Shared library linkage	2.5.8	LGPLv2	Encryption algorithms library
libpcap	Shared library linkage	0.9.4	BSD	A system-independent interface for user-level packet capture
libpng	Shared library linkage	1.2.44	OSI certified/ Zl	A library of functions for manipulating PNG image format files
libresolv	Shared library linkage	1	LGPLv2	A library of functions for packets sent to a DNS
libsaml8	OpenSAML SAML library	2.5.5	Apache 2.0	Standalone apps/libraries
libselinux	OSS Shared library linkage	2.2.2	Public Domain	SELinux library and simple utilities
libsepol		1.15.2	LGPLv2.1	SELinux binary policy manipulation library
libsmbclient		3.0.33	GPLv2	The SMB client library
libssp	OSS Shared library linkage	4.7.2	GPLv3	A library to translate some pythos library speech signal processing (SSP) to C++
libstdc++	Shared library linkage	4.7.0	GPL	GNU Standard C++ Library
libsysfs	OSS Shared library linkage	2.0.0	LGPLv2	Shared library for interfacing with the Linux sysfs virtual file system
libtecla	Shared library linkage	1.6.1	MIT/X11	The Tecla command-line editing library
libtermcap	Configuration Files	2.0.8	Public Domain	A basic system library for accessing the termcap database

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libunwind	OSS Shared library linkage	1.1	BSD	Unwind Library
libuser	OSS Shared library linkage	0.54.7	LGPLv2	A user and group account administration library
libvolume_id	OSS Shared library linkage	127	GPLv2	Dynamic libraries to get volume IDs
libxerces-c-3_1	Standalone apps/ libraries	3.1.2	Apache 2.0	Shared library for Xerces-C++ validating XML parser
libxml-security-c17	Standalone apps/ libraries	1.7.3	Apache 2.0	Apache XML security C++ library
libxml2	Shared library linkage	2.9.4	MIT	Library providing XML and HTML support
libxml2-python	Standalone apps/ libraries	2.9.4	PSF	Python bindings for the libxml2 library
libxmltooling6	Standalone apps/ libraries	1.5.6	Apache 2.0	OpenSAML XMLTooling library
libxslt	Shared library linkage	1.1.28	MIT	Library providing the Gnome XSLT engine
Linux kernel	Operating System (OS) core	3.10.88	GPLv2.0	The core interface between the operating system and processes.
lm_sensors	Standalone apps/ libraries	2.10.7	GPLv2	Hardware monitoring tools
lockdev	Standalone apps/ libraries	1.0.1	LGPLv2.1	A library for locking devices
logrotate	Standalone apps/ libraries	3.7.4	GPLv2	Rotates, compresses, removes and mails system log files
lunasa	Shared library linkage, Standalone apps/libraries	1	Commercial	Client software for SafeNet Luna SA hardware security module (HSM)

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
lz4	Standalone apps/ libraries	r129	BSD	Extremely fast compression algorithm
M2Crypto	Standalone apps/ libraries	0.21.1	BSD	Support for using OpenSSL in python scripts
mailx	Standalone apps/ libraries	8.1.1	BSD	The /bin/mail program for sending quick email messages
MAKEDEV	Standalone apps/ libraries	3.23	GPLv2	A program used for creating the device files in /dev
mdadm		2.6.9	GPL	Linux utility used to manage and monitor software RAID devices
mingetty	Standalone apps/ libraries	1.07	GPLv2	A compact getty program for virtual consoles only
minicom	Standalone apps/ libraries	2.1	GPLv2	A text-based modem control and terminal emulation program
mktemp	Standalone apps/ libraries	1.5	BSD	A small utility for safely making .TMP files
mmc-utils	Standalone apps/ libraries	1.0	GPLv2	Userspace tools for MMC/ SD devices
module-init-tools	Standalone apps/ libraries	3.3	GPLv2	Kernel module management utilities
mongodb	Standalone apps/ libraries	2.6.11	MIT	MongoDB client shell and tools
mtdutils	Standalone apps/ libraries	1.0.0	GPL	Memory Technology Device Utilities
ncurses	Shared library linkage	5.5	Distributable	A terminal handling library
net-snmp	Standalone apps/ libraries	5.4.4	BSD	Tools and servers for the SNMP protocol

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
net-tools	Standalone apps/ libraries	1.6	GPLv2	Basic networking tools
nfs-utils	Standalone apps/ libraries	1.0.9	GPLv2	Network File System (NFS) utilities and supporting clients and daemons for the kernel NFS server
nfs-utils-lib	OSS Shared library linkage	1.0.8	GPLv2	Network File System (NFS) Support Library
nss-softokn-freebl	Shared library linkage	3.14.3	MPLv2.0	Freebl library for the Network Security Services
ntp	Standalone apps/ libraries	4.2.8p6	Distributable	The Network Time Protocol (NTP) daemon and utilities
ntp-dp	Standalone apps/ libraries	4.2.8p6	Distributable	Synchronizes system time using the Network Time Protocol (NTP)
ntpdate	Standalone apps/ libraries	4.2.8p6	Distributable	Utility to set the date and time via Network Time Protocol (NTP)
open-vm-tools	OSS Shared library linkage	9.4.6	GPLv2/ LGPLv2	Open Virtual Machine Tools for virtual machines hosted on VMware
openldap	Shared library linkage	2.4.23	OpenLDAP	The configuration files, libraries, and documentation for OpenLDAP
openldap-clients	Standalone apps/ libraries	2.4.23	OpenLDAP	Client programs for OpenLDAP
opensaml-schemas	Standalone apps/ libraries	2.5.5	Apache 2.0	OpenSAML schemas and catalog
openssh	Standalone apps/ libraries	6.4p1	BSD	An open source implementation of SSH protocol versions 1 and 2
openssh-clients	Standalone apps/ libraries	6.4p1	BSD	An open source SSH client application

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
openssh-server	Standalone apps/ libraries	6.4p1	BSD	An open source SSH server daemon
openssl	Shared library linkage	1.0.1e	OpenSSL	A general purpose cryptography library with TLS implementation
openssl-mp	Shared library linkage	1.0.1e	OpenSSL	A general purpose cryptography library with TLS implementation
pam	Shared library linkage	1.0.2	BSD	A security tool which provides authentication for applications
pam_krb5	Standalone apps/ libraries	2.2.14	MIT	A pluggable authentication module (PAM) for Kerberos 5
pam_ldap	OSS Shared library linkage	1.8.4	LGPLv3	A pluggable authentication module (PAM) for use with LDAP servers
panos-release	Base Linux OS version info for our systems	2	GPLv2	PAN-OS Linux release file
parted	Standalone apps/ libraries	1.8.1	GPLv3	The GNU disk partition manipulation program
passwd	Standalone apps/ libraries	0.73	GPLv2	The passwd utility for setting/changing passwords using PAM
pciutils	Standalone apps/ libraries	3.1.4	GPLv2	PCI bus related utilities
pciutils-libs	Standalone apps/ libraries	3.1.4	GPLv2	Linux PCI library
pcre	Shared library linkage	6.6	BSD	Perl-compatible regular expression library
pexpect	OSS libraries in interpreted scripts	2.3	MIT	Pexpect is a Pure Python Expect-like module

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
phantomjs	OSS Shared library linkage	1.9.8	BSD	Head-Less Web Browser
php	Standalone apps/ libraries	5.3.17	PHP v3.01	The PHP server-side scripting language
php-cli	Standalone apps/ libraries	5.3.17	PHP v3.01	Command-line interface for PHP server-side scripting language
php-ext	Standalone apps/ libraries	5.3.17	PHP v3.01	Shared PHP-Ext open source widget library for PHP 4 and PHP 5 server-side scripting language
popt	OSS Shared library linkage	1.12	MIT	A C library for parsing command line parameters
portmap	Standalone apps/ libraries	4	BSD	A program which manages remote procedure call (RPC) connections
procps	Standalone apps/ libraries	3.2.8	GPLv2	System and process monitoring utilities
psmisc	Standalone apps/ libraries	22.2	BSD	Utilities for managing processes on your system
python	Standalone apps/ libraries	2.4.3	PSF	An interpreted, interactive, object-oriented programming language
python26	OSS libraries in interpreted scripts	2.6.5	PSF	An interpreted, interactive, object-oriented programming language
python26-libs	OSS libraries in interpreted scripts	2.6.5	PSF	An interpreted, interactive, object-oriented programming language
python-alt		2.7.5	PSF	An interpreted, interactive, object-oriented programming language
python-alt-libs		2.7.5	PSF	Runtime libraries for Python

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
python-bloom	OSS libraries in interpreted scripts	0.1.12	BSD-like	Python implementation of bloom filter
python-boto	OSS libraries in interpreted scripts	2.32.1	MIT	A simple, lightweight interface to Amazon Web Services (AWS)
python-elementtree	OSS Shared library linkage	1.2.6	PSF	Fast XML parser and writer
python-imaging	Shared library linkage	1.1.5	Distributable	Python's own image processing library
python-pyasn1	OSS libraries in interpreted scripts	0.1.7	BSD	ASN.1 tools for Python
python-sqlite	Shared library linkage	1.1.7	Public Domain	Python bindings for SQLite
python-urlgrabber	Standalone apps/ libraries	3.1.0	LGPLv2.1	A high-level cross-protocol URL-grabber
python-waagentlib	Standalone apps/ libraries	2.0.13	Apache 2.0	Azure Agent Python Library
rcs	Standalone apps/ libraries	5.7	GPLv2	Revision control system (RCS) file version management tools
readline	OSS Shared library linkage	5.1	GPLv2	A library for editing typed command lines
redhat-logos		4.9.8		Red Hat-related icons and pictures
reportlab	OSS libraries in interpreted scripts	2.2	BSD	Python PDF generation library
rootfiles	Standalone apps/ libraries	8.1	Distributable	The basic required files for the root user's directory
rpm	Standalone apps/ libraries	4.4.2	GPLv2	The Route Processing Module (RPM) package management system

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
rpm-libs	Standalone apps/ libraries	4.4.2	GPLv2	Libraries for manipulating Route Processing Module (RPM) packages
rpm-python	OSS libraries in interpreted scripts	4.4.2	GPLv2	Python bindings for apps which will manipulate Route Processing Module (RPM) packages
s3fs	Standalone apps/ libraries	1.74	GPLv2	FUSE file system backed by Amazon S3 bucket
samba-common	Standalone apps	3.0.33	GPLv2	Files used by both Samba servers and clients
scrub	Standalone apps/ libraries	2.1	GPLv2	Disk scrubbing program
sed	Standalone apps/ libraries	4.1.5	GPLv2	A GNU stream text editor
setup		2.5.58	Public Domain	A set of system configuration and setup files
shadow-utils	Standalone apps/ libraries	4.0.17	BSD	Utilities for managing accounts and shadow password files
smartmontools	Standalone apps/ libraries	6.4	GPLv2	S.M.A.R.T. utility toolkit
snappy	Shared library linkage	1.0.1	Apache 2.0	High-speed compression and decompression library
sqlite	Shared library linkage	3.6.12	Public Domain	Library that implements an embeddable SQLite in-process database engine
sscep	Standalone apps/ libraries	1.0.0	BSD-like	Simple SCEP client
sshpass	Standalone apps/ libraries	1.05	BSD	Non-interactive SSH password provider

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
sysfsutils	Standalone apps/ libraries	2.0.0	GPLv2	Shared library for interfacing with the Linux sysfs virtual file system
sysklogd	Standalone apps/ libraries	1.4.1	GPLv2	System logging and kernel message trapping daemons
syslinux	Standalone apps/ libraries	3.11	GPL	Simple kernel loader which boots from a FAT file system
syslog-ng	Standalone apps/ libraries	3.2.5	GPLv2/ LGPLv2	Syslog replacement daemon
SysVinit	Standalone apps/ libraries	2.86	GPLv2	Programs which control basic system processes
tar	Standalone apps/ libraries	1.15.1	GPLv2	A GNU file archiving program
tcpdump	Standalone apps/ libraries	3.9.4	BSD	A network traffic monitoring tool
termcap	Configuration Files	5.5	Public Domain	The terminal feature database used by certain applications
tftp	Standalone apps/ libraries	0.48	BSD	The client for Trivial FTP (TFTP)
tftp-server	Standalone apps/ libraries	0.48	BSD	The server for Trivial FTP (TFTP)
traceroute	Standalone apps/ libraries	2.0.1	GPLv2	Traces the route taken by packets over an IPv4/IPv6 network
tzdata	Configuration files	2011l	Public domain	Time-zone data
udev	Standalone apps/ libraries	127	GPLv2	Device manager for device nodes and user space events (improved functionality over devfs)

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
util-linux	Standalone apps/ libraries	2.13	GPLv2	A collection of basic system utilities
vconfig		1.9	GPL	Linux 802.1q VLAN configuration utility
vim-minimal	Standalone apps/ libraries	7.0.109	Charityware	A minimal version of VIsual editor iMproved (VIM)
virt-what	Standalone apps/ libraries	1.13	GPLv2	Detect if we are running in a virtual machine
vixie-cron	Standalone apps/ libraries	4.1	ISC	The Vixie cron daemon for executing scheduled commands
vmware-netx	Shared library linkage	0.6		VMware netx library
wget	Standalone apps/ libraries	1.16.2	GPLv3	A utility for retrieving files using the HTTP or FTP protocols
wmi	Standalone apps	1.3.13	GPLv2	WMI client
xdelta		1.1.3	GPL	A binary file delta generator and an RCS replacement library
xdelta3	Standalone apps/ libraries	3.0t	GPLv2	A binary file delta generator
xe-guest-utilities	Standalone apps/ libraries	6.1.0	GPL/ LGPL	Virtual Machine Monitoring Scripts
xe-guest-utilities-xenstore	Standalone apps/ libraries	6.1.0	GPL/ LGPL	Virtual Machine XenStore utilities
xinetd	Standalone apps/ libraries	2.3.14	Distributable	A secure replacement for inetd
xmltooling-schemas	Standalone apps/ libraries	1.5.6	Apache 2.0	XMLTooling schemas and catalog

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
xz-libs	OSS Shared library linkage	4.999.9	LGPLv2	Libraries for decoding LZMA compression
zlib	Shared library linkage	1.2.3	BSD	The zlib compression and decompression library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
M2Crypto	Standalone apps/ libraries	0.21.1	BSD	Support for using OpenSSL in python scripts
MAKEDEV	Standalone apps/ libraries	3.23	GPLv2	A program used for creating the device files in /dev
SysVinit	Standalone apps/ libraries	2.86	GPLv2	Programs which control basic system processes
acpid	Standalone apps/ libraries	1.0.10	GPLv2	ACPI Event Daemon
basesystem		8	Public Domain	The skeleton package which defines a simple Red Hat Linux system
bash	Standalone apps/ libraries	3.1	GPLv2	The GNU Bourne Again shell (bash) version 3.1
beecrypt	OSS Shared library linkage	4.1.2	LGPLv2.1	An open source cryptography library
bind-libs	OSS Shared library linkage	9.3.3	ISC	Libraries used by the BIND DNS packages
bind-utils	Standalone apps/ libraries	9.3.3	ISC	Utilities for querying DNS name servers
binutils		2.23.51.0.3	GPL	A collection of binary tools
bonnie++	Standalone apps/ libraries	1.03d	GPLv2	A program for benchmarking hard drives and file systems
bzip2	Standalone apps/ libraries	1.0.3	BSD	A file compression utility
bzip2-libs	OSS Shared library linkage	1.0.3	BSD	Libraries for applications using bzip2

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
chkconfig	Standalone apps/ libraries	1.3.30.1	GPLv2	A system tool for maintaining the /etc/rc*.d hierarchy
coreutils	Standalone apps/ libraries	5.97	GPLv2	The GNU core utilities: a set of tools commonly used in shell scripts
cpio	Standalone apps/ libraries	2.6	GPLv2	A GNU archiving program
cpp	Standalone apps/ libraries	4.1.1	GPLv2	The C Preprocessor
cracklib	OSS Shared library linkage	2.8.9	Artistic	A password-checking library
cracklib-dicts	Dictionaries used by cracklib	2.8.9	Artistic	The standard CrackLib password-checking dictionaries
crontabs	Root crontab files, used by system utilities	1.1	Public Domain	Root crontab files used to schedule the execution of programs
curl	Standalone apps/ libraries	7.20.1	MIT	Get and send files to a FTP, HTTP, TFTP, SSH or other servers
dhclient	Standalone apps/ libraries	3.0.5	Distributable	The ISC DHCP client for configuring network interfaces
dhcp	Standalone apps/ libraries	3.0.5	Distributable	DHCP (Dynamic Host Configuration Protocol) server and relay agent
diffutils	Standalone apps/ libraries	2.8.1	GPLv2	A GNU collection of diff utilities
dmidecode	Standalone apps/ libraries	2.11	GPLv2	Tool to analyze BIOS DMI data

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
drng_samples		1	BSD-3	Creating a simple library to support the Intel RDRAND instructions
e2fsprogs	Standalone apps/ libraries	1.39	GPLv2	Utilities for managing the second extended (ext2) file system
e2fsprogs-libs	OSS Shared library linkage	1.39	GPLv2	Ext2/3 file-system-specific static libraries and headers
e4fsprogs	Standalone apps/ libraries	1.41.12	GPLv2	Utilities for managing the fourth extended (ext4) file system
e4fsprogs-libs	OSS Shared library linkage	1.41.12	GPLv2	Ext4 file-system-specific static libraries and headers
elfutils-libelf	OSS Shared library linkage	0.128	GPLv2	Library to read and write ELF files
ethtool	Standalone apps/ libraries	5	GPLv2	Ethernet settings tool for PCI ethernet cards
eventlog	OSS Shared library linkage	0.2.12	BSD	A library for event logs
expat	OSS Shared library linkage	1.95.8	BSD	A library for parsing XML
fastlz	Shared library linkage	0.1.0	FastLZ	A real-time compression library
file	Standalone apps/ libraries	5.04	Distributable	A utility for determining file types
file-libs	Standalone apps/ libraries	5.04	Distributable	Libraries for applications using the LibMagic Perl interface
filesystem	Standalone apps/ libraries	2.4.0	Distributable	The basic directory layout for a Linux system
findutils	Standalone apps/ libraries	4.2.27	GPLv2	The GNU versions of find utilities (find and xargs)

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
fipscheck	Standalone apps/ libraries	1.2.0	FreeBSD	A library for integrity verification of FIPS validated modules
fipscheck-lib	Standalone apps/ libraries	1.2.0	FreeBSD	Library files for fipscheck
flashrom	Standalone apps/ libraries	0.9.4	GPLv2	Flashrom flash utility
fontconfig	OSS Shared library linkage	2.4.1	MIT	Font configuration and customization library
freetype	OSS Shared library linkage	2.3.11	BSD-like	A free and portable font rendering engine
fuse-libs	Standalone apps/ libraries	2.8.5	GPLv2/ LGPLv2	File System in Userspace (FUSE) libraries
gawk	Standalone apps/ libraries	3.1.5	GPLv2	The GNU version of the awk text processing utility
gdb	Standalone apps/ libraries	7.6	GPLv3+	A GNU source-level debugger for C, C++, Java and other languages
glib	OSS Shared library linkage	2.12.9	LGPLv2	A bundle of low-level system libraries in C language
glib2	OSS Shared library linkage	2.12.3	LGPLv2	A library of useful utility functions
glibc	Shared library linkage	2.16	LGPLv2	The GNU libc libraries
glibc-common	Shared library linkage	2.16	LGPLv2	Common binaries and locale data for glibc
gmp	OSS Shared library linkage	4.3.1	LGPLv3	A GNU arbitrary precision library
gnupg	Standalone apps/ libraries	1.4.5	GPLv2	A GNU utility for secure communication and data storage

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
gperftools	OSS Shared library linkage	2.2	BSD	Performance Tools for C++
grep	Standalone apps/ libraries	2.5.1	GPLv2	The GNU versions of grep pattern matching utilities
grub	Standalone apps/ libraries	6.0.97	GPL	GRUB - the Grand Unified Boot Loader
gzip	Standalone apps/ libraries	1.3.5	GPLv2	The GNU data compression program
inetutils	Standalone apps/ libraries	1.5	GPLv3	Internet utilities
info	Standalone apps/ libraries	4.8	GPLv2	A stand-alone TTY-based reader for GNU Texinfo documentation
initscripts	Standalone apps/ libraries + startup and shutdown scripts	8.45.15	GPLv2	The inittab file and the /etc/ init.d scripts
iproute	Standalone apps/ libraries	2.6.18	GPLv2	Advanced IP routing and network device configuration tools
iptables	Standalone apps/ libraries	1.3.5	GPLv2	Tools for managing Linux kernel packet filtering capabilities
iptables-ipv6	Standalone apps/ libraries	1.3.5	GPLv2	IPv6 support for IP tables
iputils	Standalone apps/ libraries	20020927	GPLv2	Network monitoring tools including ping
irqbalance	Standalone apps/ libraries	1.13	GPLv2	IRQ balancing daemon
krb5-libs	Shared library linkage	1.8.1	MIT	The shared libraries used by Kerberos 5
krb5-workstation	Standalone apps/ libraries	1.8.1	MIT	Kerberos 5 programs for use on workstations

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
less	Standalone apps/ libraries	394	GPLv2	A text file browser similar to more, but better
leveldb	Shared library linkage	1.15.0	BSD	LevelDB library
libacl	OSS Shared library linkage	2.2.39	LGPLv2.1	Dynamic library for access control list support
libattr	OSS Shared library linkage	2.4.32	LGPLv2.1	Dynamic library for extended attribute support
libcurl4	Shared library linkage	7.20.1	MIT	The cURL library
libevent	OSS Shared library linkage	2.0.19	GPLv2	Abstract asynchronous event notification library
libgcc	Shared library linkage	4.7.0	LGPLv2	GCC version 4.1 shared support library
libgethostbyname	Shared library linkage	1	LGPLv2	Fix glibc ghost bug
libgssapi	OSS Shared library linkage	0.1	BSD-like	Generic Security Services Application Programming Interface Library
libjpeg	OSS Shared library linkage	6b	IJG	A library for manipulating JPEG image format files
libmcrypt	OSS Shared library linkage	2.5.8	LGPLv2	Encryption algorithms library
libpcap	Shared library linkage	0.9.4	BSD	A system-independent interface for user-level packet capture
libpng	Shared library linkage	1.2.44	OSI certified/Zl	A library of functions for manipulating PNG image format files
libresolv	Shared library linkage	1	LGPLv2	A library of functions for packets sent to a DNS
libselinux	OSS Shared library linkage	2.2.2	Public Domain	SELinux library and simple utilities

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libsmbclient		3.0.33	GPLv2	The SMB client library
libssp	OSS Shared library linkage	4.7.2	GPLv3	A library to translate some pythos library speech signal processing (SSP) to C++
libstdc++	Shared library linkage	4.7.0	GPL	GNU Standard C++ Library
libsysfs	OSS Shared library linkage	2.0.0	LGPLv2	Shared library for interfacing with the Linux sysfs virtual file system
libtecla	Shared library linkage	1.6.1	MIT/X11	The Tecla command-line editing library
libtermcap	Configuration Files	2.0.8	Public Domain	A basic system library for accessing the termcap database
libunwind	OSS Shared library linkage	1.1	BSD	Unwind Library
libuser	OSS Shared library linkage	0.54.7	LGPLv2	A user and group account administration library
libvolume_id	OSS Shared library linkage	127	GPLv2	Dynamic libraries to get volume IDs
libxml2	Shared library linkage	2.9.1	MIT	Library providing XML and HTML support
libxml2-python	Standalone apps/ libraries	2.9.1	PSF	Python bindings for the libxml2 library
libxslt	Shared library linkage	1.1.22	MIT	Library providing the Gnome XSLT engine
Linux kernel	Operating System (OS) core	2.6.32	GPLv2.0	The core interface between the operating system and processes.
lm_sensors	Standalone apps/ libraries	2.10.7	GPLv2	Hardware monitoring tools

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
lockdev	Standalone apps/ libraries	1.0.1	LGPLv2.1	A library for locking devices
logrotate	Standalone apps/ libraries	3.7.4	GPLv2	Rotates, compresses, removes and mails system log files
lunasa	Shared library linkage, Standalone apps/ libraries	1	Commercial	Client software for SafeNet Luna SA hardware security module (HSM)
mailx	Standalone apps/ libraries	8.1.1	BSD	The /bin/mail program for sending quick email messages
mdadm		2.6.9	GPL	Linux utility used to manage and monitor software RAID devices
mingetty	Standalone apps/ libraries	1.07	GPLv2	A compact getty program for virtual consoles only
minicom	Standalone apps/ libraries	2.1	GPLv2	A text-based modem control and terminal emulation program
mkinitrd		5.1.19.6	GPL	Creates an initial image for preloading block device modules (such as SCSI and RAID)
mktemp	Standalone apps/ libraries	1.5	BSD	A small utility for safely making .TMP files
module-init-tools	Standalone apps/ libraries	3.3	GPLv2	Kernel module management utilities
mongodb	Standalone apps/ libraries	2.4.3	MIT	MongoDB client shell and tools
mtdutils	Standalone apps/ libraries	1.0.0	GPL	Memory Technology Device Utilities
nash		5.1.19.6	GPL	A simple script interpretor

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
ncurses	Shared library linkage	5.5	Distributable	A terminal handling library
net-snmp	Standalone apps/ libraries	5.4.4	BSD	Tools and servers for the SNMP protocol
net-tools	Standalone apps/ libraries	1.6	GPLv2	Basic networking tools
nfs-utils	Standalone apps/ libraries	1.0.9	GPLv2	Network File System (NFS) utilities and supporting clients and daemons for the kernel NFS server
nfs-utils-lib	OSS Shared library linkage	1.0.8	GPLv2	Network File System (NFS) Support Library
nss-softokn-freebl	Shared library linkage	3.14.3	MPLv2.0	Freebl library for the Network Security Services
ntp	Standalone apps/ libraries	4.2.8	Distributable	The Network Time Protocol (NTP) daemon and utilities
ntp-dp	Standalone apps/ libraries	4.2.8	Distributable	Synchronizes system time using the Network Time Protocol (NTP)
ntpdate	Standalone apps/ libraries	4.2.8	Distributable	Utility to set the date and time via Network Time Protocol (NTP)
open-vm-tools	OSS Shared library linkage	9.4.6	GPLv2/ LGPLv2	Open Virtual Machine Tools for virtual machines hosted on VMware
openldap	Shared library linkage	2.4.23	OpenLDAP	The configuration files, libraries, and documentation for OpenLDAP
openldap-clients	Standalone apps/ libraries	2.4.23	OpenLDAP	Client programs for OpenLDAP
openssh	Standalone apps/ libraries	6.4p1	BSD	An open source implementation of SSH protocol versions 1 and 2

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
openssh-clients	Standalone apps/ libraries	6.4p1	BSD	An open source SSH client application
openssh-server	Standalone apps/ libraries	6.4p1	BSD	An open source SSH server daemon
openssl	Shared library linkage	1.0.1e	OpenSSL	A general purpose cryptography library with TLS implementation
pam	Shared library linkage	1.0.2	BSD	A security tool which provides authentication for applications
pam_krb5	Standalone apps/ libraries	2.2.14	MIT	A pluggable authentication module (PAM) for Kerberos 5
pam_ldap	OSS Shared library linkage	1.8.4	LGPLv3	A pluggable authentication module (PAM) for use with LDAP servers
panos-release	Base Linux OS version info for our systems	2	GPLv2	PAN-OS Linux release file
passwd	Standalone apps/ libraries	0.73	GPLv2	The passwd utility for setting/changing passwords using PAM
pcre	Shared library linkage	6.6	BSD	Perl-compatible regular expression library
pexpect	OSS libraries in interpreted scripts	2.3	MIT	Pexpect is a Pure Python Expect-like module
phantomjs	OSS Shared library linkage	1.9.8	BSD	Head-Less Web Browser
php	Standalone apps/ libraries	5.3.17	PHP v3.01	The PHP server-side scripting language
php-cli	Standalone apps/ libraries	5.3.17	PHP v3.01	Command-line interface for PHP server-side scripting language

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
php-ext	Standalone apps/ libraries	5.3.17	PHP v3.01	Shared PHP-Ext open source widget library for PHP 4 and PHP 5 server-side scripting language
popt	OSS Shared library linkage	1.12	MIT	A C library for parsing command line parameters
portmap	Standalone apps/ libraries	4	BSD	A program which manages remote procedure call (RPC) connections
procps	Standalone apps/ libraries	3.2.8	GPLv2	System and process monitoring utilities
psmisc	Standalone apps/ libraries	22.2	BSD	Utilities for managing processes on your system
python	Standalone apps/ libraries	2.4.3	PSF	An interpreted, interactive, object-oriented programming language
python26	OSS libraries in interpreted scripts	2.6.5	PSF	An interpreted, interactive, object-oriented programming language
python26-libs	OSS libraries in interpreted scripts	2.6.5	PSF	An interpreted, interactive, object-oriented programming language
python-bloom	OSS libraries in interpreted scripts	0.1.12	BSD-like	Python implementation of bloom filter
python-boto	OSS libraries in interpreted scripts	2.32.1	MIT	A simple, lightweight interface to Amazon Web Services (AWS)
python-elementtree	OSS Shared library linkage	1.2.6	PSF	Fast XML parser and writer
python-imaging	Shared library linkage	1.1.5	Distributable	Python's own image processing library
python-pyasn1	OSS libraries in interpreted scripts	0.1.7	BSD	ASN.1 tools for Python

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
python-sqlite	Shared library linkage	1.1.7	Public Domain	Python bindings for SQLite
python-urlgrabber	Standalone apps/ libraries	3.1.0	LGPLv2.1	A high-level cross-protocol URL-grabber
python-waagentlib	Standalone apps/ libraries	2.0.13	Apache 2.0	Azure Agent Python Library
rcs	Standalone apps/ libraries	5.7	GPLv2	Revision control system (RCS) file version management tools
readline	OSS Shared library linkage	5.1	GPLv2	A library for editing typed command lines
redhat-logos		4.9.8		Red Hat-related icons and pictures
reportlab	OSS libraries in interpreted scripts	2.2	BSD	Python PDF generation library
rootfiles	Standalone apps/ libraries	8.1	Distributable	The basic required files for the root user's directory
rpm	Standalone apps/ libraries	4.4.2	GPLv2	The Route Processing Module (RPM) package management system
rpm-libs	Standalone apps/ libraries	4.4.2	GPLv2	Libraries for manipulating Route Processing Module (RPM) packages
rpm-python	OSS libraries in interpreted scripts	4.4.2	GPLv2	Python bindings for apps which will manipulate Route Processing Module (RPM) packages
s3fs	Standalone apps/ libraries	1.74	GPLv2	FUSE file system backed by Amazon S3 bucket
samba-common	Standalone apps	3.0.33	GPLv2	Files used by both Samba servers and clients

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
scrub	Standalone apps/ libraries	2.1	GPLv2	Disk scrubbing program
sed	Standalone apps/ libraries	4.1.5	GPLv2	A GNU stream text editor
setup		2.5.58	Public Domain	A set of system configuration and setup files
shadow-utils	Standalone apps/ libraries	4.0.17	BSD	Utilities for managing accounts and shadow password files
smartmontools	Standalone apps/ libraries	6.4	GPLv2	S.M.A.R.T. utility toolkit
snappy	Shared library linkage	1.0.1	Apache 2.0	High-speed compression and decompression library
sqlite	Shared library linkage	3.6.12	Public Domain	Library that implements an embeddable SQLite in-process database engine
sscep	Standalone apps/ libraries	1.0.0	BSD-like	Simple SCEP client
sshpass	Standalone apps/ libraries	1.05	BSD	Non-interactive SSH password provider
sysfsutils	Standalone apps/ libraries	2.0.0	GPLv2	Shared library for interfacing with the Linux sysfs virtual file system
sysklogd	Standalone apps/ libraries	1.4.1	GPLv2	System logging and kernel message trapping daemons
syslinux	Standalone apps/ libraries	3.11	GPL	Simple kernel loader which boots from a FAT file system
syslog-ng	Standalone apps/ libraries	3.2.5	GPLv2/ LGPLv2	Syslog replacement daemon
tar	Standalone apps/ libraries	1.15.1	GPLv2	A GNU file archiving program

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
tcpdump	Standalone apps/ libraries	3.9.4	BSD	A network traffic monitoring tool
termcap	Configuration Files	5.5	Public Domain	The terminal feature database used by certain applications
tftp	Standalone apps/ libraries	0.48	BSD	The client for Trivial FTP (TFTP)
tftp-server	Standalone apps/ libraries	0.48	BSD	The server for Trivial FTP (TFTP)
traceroute	Standalone apps/ libraries	2.0.1	GPLv2	Traces the route taken by packets over an IPv4/IPv6 network
tzdata	Configuration files	2011l	Public domain	Time-zone data
udev	Standalone apps/ libraries	127	GPLv2	Device manager for device nodes and user space events (improved functionality over devfs)
util-linux	Standalone apps/ libraries	2.13	GPLv2	A collection of basic system utilities
vconfig		1.9	GPL	Linux 802.1q VLAN configuration utility
vim-minimal	Standalone apps/ libraries	7.0.109	Charityware	A minimal version of VIsual editor iMproved (VIM)
virt-what	Standalone apps/ libraries	1.13	GPLv2	Detect if we are running in a virtual machine
vixie-cron	Standalone apps/ libraries	4.1	ISC	The Vixie cron daemon for executing scheduled commands
wget	Standalone apps/ libraries	1.16.2	GPLv3	A utility for retrieving files using the HTTP or FTP protocols

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
wmi	Standalone apps	1.3.13	GPLv2	WMI client
xdelta		1.1.3	GPL	A binary file delta generator and an RCS replacement library
xdelta3	Standalone apps/ libraries	3.0t	GPLv2	A binary file delta generator
xe-guest-utilities	Standalone apps/ libraries	6.1.0	GPL/LGPL	Virtual Machine Monitoring Scripts
xe-guest-utilities-xenstore	Standalone apps/ libraries	6.1.0	GPL/LGPL	Virtual Machine XenStore utilities
xinetd	Standalone apps/ libraries	2.3.14	Distributable	A secure replacement for inetd
xz-libs	OSS Shared library linkage	4.999.9	LGPLv2	Libraries for decoding LZMA compression
zlib	Shared library linkage	1.2.3	BSD	The zlib compression and decompression library

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PAN-OS 7.0 OSS Listing

NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
M2Crypto	Standalone apps/ libraries	0.21.1	BSD	Support for using OpenSSL in python scripts
MAKEDEV	Standalone apps/ libraries	3.23	GPLv2	A program used for creating the device files in /dev
SysVinit	Standalone apps/ libraries	2.86	GPLv2	Programs which control basic system processes
acpid	Standalone apps/ libraries	1.0.10	GPLv2	ACPI Event Daemon
basesystem		8	Public Domain	The skeleton package which defines a simple Red Hat Linux system
bash	Standalone apps/ libraries	3.1	GPLv2	The GNU Bourne Again shell (bash) version 3.1
beecrypt	OSS Shared library linkage	4.1.2	LGPLv2.1	An open source cryptography library
bind-libs	OSS Shared library linkage	9.3.3	ISC	Libraries used by the BIND DNS packages
bind-utils	Standalone apps/ libraries	9.3.3	ISC	Utilities for querying DNS name servers
bonnie++	Standalone apps/ libraries	1.03d	GPLv2	A program for benchmarking hard drives and file systems
bzip2	Standalone apps/ libraries	1.0.3	BSD	A file compression utility
bzip2-libs	OSS Shared library linkage	1.0.3	BSD	Libraries for applications using bzip2
chkconfig	Standalone apps/ libraries	1.3.30.1	GPLv2	A system tool for maintaining the /etc/rc*.d hierarchy

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
coreutils	Standalone apps/ libraries	5.97	GPLv2	The GNU core utilities: a set of tools commonly used in shell scripts
cpio	Standalone apps/ libraries	2.6	GPLv2	A GNU archiving program
cpp	Standalone apps/ libraries	4.1.1	GPLv2	The C Preprocessor
cracklib	OSS Shared library linkage	2.8.9	Artistic	A password-checking library
cracklib-dicts	Dictionaries used by cracklib	2.8.9	Artistic	The standard CrackLib password-checking dictionaries
crontabs	Root crontab files, used by system utilities	1.1	Public Domain	Root crontab files used to schedule the execution of programs
curl	Standalone apps/ libraries	7.20.1	MIT	Get and send files to a FTP, HTTP, TFTP, SSH or other servers
dhclient	Standalone apps/ libraries	3.0.5	Distributable	The ISC DHCP client for configuring network interfaces
dhcp	Standalone apps/ libraries	3.0.5	Distributable	DHCP (Dynamic Host Configuration Protocol) server and relay agent
diffutils	Standalone apps/ libraries	2.8.1	GPLv2	A GNU collection of diff utilities
dmidecode	Standalone apps/ libraries	2.11	GPLv2	Tool to analyze BIOS DMI data
drng_samples		1	BSD-3	Creating a simple library to support the Intel RDRAND instructions

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
e2fsprogs	Standalone apps/ libraries	1.39	GPLv2	Utilities for managing the second extended (ext2) file system
e2fsprogs-libs	OSS Shared library linkage	1.39	GPLv2	Ext2/3 file-system-specific static libraries and headers
e4fsprogs	Standalone apps/ libraries	1.41.12	GPLv2	Utilities for managing the fourth extended (ext4) file system
e4fsprogs-libs	OSS Shared library linkage	1.41.12	GPLv2	Ext4 file-system-specific static libraries and headers
elfutils-libelf	OSS Shared library linkage	0.128	GPLv2	Library to read and write ELF files
ethtool	Standalone apps/ libraries	5	GPLv2	Ethernet settings tool for PCI ethernet cards
eventlog	OSS Shared library linkage	0.2.12	BSD	event log library
expat	OSS Shared library linkage	1.95.8	BSD	A library for parsing XML
fastlz	Shared library linkage	0.1.0	FastLZ	A real-time compression library
file	Standalone apps/ libraries	5.04	Distributable	A utility for determining file types
file-libs	Standalone apps/ libraries	5.04	Distributable	Libraries for applications using the LibMagic Perl interface
filesystem	Standalone apps/ libraries	2.4.0	Distributable	The basic directory layout for a Linux system
findutils	Standalone apps/ libraries	4.2.27	GPLv2	The GNU versions of find utilities (find and xargs)
fipscheck	Standalone apps/ libraries	1.2.0	FreeBSD	A library for integrity verification of FIPS validated modules

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
fipscheck-lib	Standalone apps/ libraries	1.2.0	FreeBSD	Library files for fipscheck
flashrom	Standalone apps/ libraries	0.9.4	GPLv2	Flashrom flash utility
gawk	Standalone apps/ libraries	3.1.5	GPLv2	The GNU version of the awk text processing utility
gdb	Standalone apps/ libraries	7.6.1	GPLv3+	A GNU source-level debugger for C, C++, Java and other languages
glib	OSS Shared library linkage	2.12.9	LGPLv2	glib library
glib2	OSS Shared library linkage	2.12.3	LGPLv2	A library of useful utility functions
glibc	Shared library linkage	2.16	LGPLv2	The GNU libc libraries
glibc-common	Shared library linkage	2.16	LGPLv2	Common binaries and locale data for glibc
gmp	OSS Shared library linkage	4.3.1	LGPLv3	A GNU arbitrary precision library
gnupg	Standalone apps/ libraries	1.4.5	GPLv2	A GNU utility for secure communication and data storage
gperftools	OSS Shared library linkage	2.2	BSD	Performance Tools for C++
grep	Standalone apps/ libraries	2.5.1	GPLv2	The GNU versions of grep pattern matching utilities
grub	Standalone apps/ libraries	6.0.97	GPL	GRUB - the Grand Unified Boot Loader
gzip	Standalone apps/ libraries	1.3.5	GPLv2	The GNU data compression program
inetutils	Standalone apps/ libraries	1.5	GPLv3	Internet utilities

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
info	Standalone apps/ libraries	4.8	GPLv2	A stand-alone TTY-based reader for GNU Texinfo documentation
initscripts	Standalone apps/ libraries + startup and shutdown scripts	8.45.15	GPLv2	The inittab file and the /etc/ init.d scripts
iproute	Standalone apps/ libraries	2.6.18	GPLv2	Advanced IP routing and network device configuration tools
iptables	Standalone apps/ libraries	1.3.5	GPLv2	Tools for managing Linux kernel packet filtering capabilities
iptables-ipv6	Standalone apps/ libraries	1.3.5	GPLv2	IPv6 support for IP tables
iputils	Standalone apps/ libraries	20020927	GPLv2	Network monitoring tools including ping
irqbalance	Standalone apps/ libraries	1.13	GPLv2	IRQ balancing daemon
krb5-libs	Shared library linkage	1.8.1	MIT	The shared libraries used by Kerberos 5
krb5-workstation	Standalone apps/ libraries	1.8.1	MIT	Kerberos 5 programs for use on workstations
less	Standalone apps/ libraries	394	GPLv2	A text file browser similar to more, but better
leveldb	Shared library linkage	1.15.0	BSD	LevelDB library
libacl	OSS Shared library linkage	2.2.39	LGPLv2.1	Dynamic library for access control list support
libattr	OSS Shared library linkage	2.4.32	LGPLv2.1	Dynamic library for extended attribute support
libcurl4	Shared library linkage	7.20.1	MIT	The cURL library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libevent	OSS Shared library linkage	2.0.19	GPLv2	Abstract asynchronous event notification library
libgcc	Shared library linkage	4.7.0	LGPLv2	GCC version 4.1 shared support library
libgethostbyname	Shared library linkage	1	LGPLv2	Fix glibc ghost bug
libgssapi	OSS Shared library linkage	0.1	BSD-like	Generic Security Services Application Programming Interface Library
libjpeg	OSS Shared library linkage	6b	IJG	A library for manipulating JPEG image format files
libmcrypt	OSS Shared library linkage	2.5.8	LGPLv2	Encryption algorithms library
libpcap	Shared library linkage	0.9.4	BSD	A system-independent interface for user-level packet capture
libpng	Shared library linkage	1.2.44	OSI certified/Zl	A library of functions for manipulating PNG image format files
libselinux	OSS Shared library linkage	2.2.2	Public Domain	SELinux library and simple utilities
libsmbclient		3.0.33	GPLv2	The SMB client library
libstdc++	Shared library linkage	4.7.0	GPL	GNU Standard C++ Library
libsysfs	OSS Shared library linkage	2.0.0	LGPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
libtecla	Shared library linkage	1.6.1	MIT/X11	The Tecla command-line editing library
libtermcap	Configuration Files	2.0.8	Public Domain	A basic system library for accessing the termcap database

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libunwind	OSS Shared library linkage	1.1	BSD	Unwind Library
libuser	OSS Shared library linkage	0.54.7	LGPLv2	A user and group account administration library
libvolume_id	OSS Shared library linkage	127	GPLv2	Dynamic libraries to get volume IDs
libxml2	Shared library linkage	2.9.1	MIT	Library providing XML and HTML support
libxml2-python	Standalone apps/ libraries	2.9.1	PSF	Python bindings for the libxml2 library
libxslt	Shared library linkage	1.1.22	MIT	Library providing the Gnome XSLT engine
Linux kernel	Operating System (OS) core	2.6.32	GPLv2.0	The core interface between the operating system and processes.
lm_sensors	Standalone apps/ libraries	2.10.7	GPLv2	Hardware monitoring tools
lockdev	Standalone apps/ libraries	1.0.1	LGPLv2.1	A library for locking devices
logrotate	Standalone apps/ libraries	3.7.4	GPLv2	Rotates, compresses, removes and mails system log files
lunasa	Shared library linkage, Standalone apps/ libraries	1	Commercial	Client software for SafeNet Luna SA hardware security module (HSM)
mailx	Standalone apps/ libraries	8.1.1	BSD	The /bin/mail program for sending quick email messages
mdadm		2.6.9	GPL	Linux utility used to manage and monitor software RAID devices

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
mingetty	Standalone apps/ libraries	1.07	GPLv2	A compact getty program for virtual consoles only
minicom	Standalone apps/ libraries	2.1	GPLv2	A text-based modem control and terminal emulation program
mkinitrd		5.1.19.6	GPL	Creates an initial image for preloading block device modules (such as SCSI and RAID)
mktemp	Standalone apps/ libraries	1.5	BSD	A small utility for safely making .TMP files
module-init-tools	Standalone apps/ libraries	3.3	GPLv2	Kernel module management utilities
mongodb	Standalone apps/ libraries	2.4.3	MIT	MongoDB client shell and tools
mtdutils		1.0.0	GPL	Memory Technology Device Utilities
nash		5.1.19.6	GPL	nash shell
ncurses	Shared library linkage	5.5	Distributable	A terminal handling library
net-snmp	Standalone apps/ libraries	5.4.4	BSD	Tools and servers for the SNMP protocol
net-tools	Standalone apps/ libraries	1.6	GPLv2	Basic networking tools
nfs-utils	Standalone apps/ libraries	1.0.9	GPLv2	Network File System (NFS) utilities and supporting clients and daemons for the kernel NFS server
nfs-utils-lib	OSS Shared library linkage	1.0.8	GPLv2	Network File System (NFS) Support Library
nss-softokn-freebl	Shared library linkage	3.14.3	MPLv2.0	Freebl library for the Network Security Services

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
ntp	Standalone apps/ libraries	4.2.8	Distributable	The Network Time Protocol (NTP) daemon and utilities
ntp-dp	Standalone apps/ libraries	4.2.8	Distributable	Synchronizes system time using the Network Time Protocol (NTP)
ntpdate	Standalone apps/ libraries	4.2.8	Distributable	Utility to set the date and time via Network Time Protocol (NTP)
openldap	Shared library linkage	2.4.23	OpenLDAP	The configuration files, libraries, and documentation for OpenLDAP
openldap-clients	Standalone apps/ libraries	2.4.23	OpenLDAP	Client programs for OpenLDAP
openssh	Standalone apps/ libraries	6.4p1	BSD	An open source implementation of SSH protocol versions 1 and 2
openssh-clients	Standalone apps/ libraries	6.4p1	BSD	An open source SSH client application
openssh-server	Standalone apps/ libraries	6.4p1	BSD	An open source SSH server daemon
openssl	Shared library linkage	1.0.1e	OpenSSL	A general purpose cryptography library with TLS implementation
pam	Shared library linkage	1.0.2	BSD	A security tool which provides authentication for applications
pam_krb5	Standalone apps/ libraries	2.2.14	MIT	A pluggable authentication module (PAM) for Kerberos 5
pam_ldap	OSS Shared library linkage	1.8.4	LGPLv3	A pluggable authentication module (PAM) for use with LDAP servers

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
panos-release	Base Linux OS version info for our systems	2	GPLv2	PAN-OS Linux release file
passwd	Standalone apps/ libraries	0.73	GPLv2	The passwd utility for setting/changing passwords using PAM
pcre	Shared library linkage	6.6	BSD	Perl-compatible regular expression library
pexpect	OSS libraries in interpreted scripts	2.3	MIT	Pexpect is a Pure Python Expect-like module
php	Standalone apps/ libraries	5.3.17	PHP v3.01	The PHP server-side scripting language
php-cli	Standalone apps/ libraries	5.3.17	PHP v3.01	Command-line interface for PHP server-side scripting language
php-ext	Standalone apps/ libraries	5.3.17	PHP v3.01	Shared PHP-Ext open source widget library for PHP 4 and PHP 5 server-side scripting language
popt	OSS Shared library linkage	1.12	MIT	A C library for parsing command line parameters
portmap	Standalone apps/ libraries	4	BSD	A program which manages remote procedure call (RPC) connections
procps	Standalone apps/ libraries	3.2.8	GPLv2	System and process monitoring utilities
psmisc	Standalone apps/ libraries	22.2	BSD	Utilities for managing processes on your system
python	Standalone apps/ libraries	2.4.3	PSF	An interpreted, interactive, object-oriented programming language
python26	Standalone apps/ libraries	2.6.5	PSF	An interpreted, interactive, object-oriented programming language

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
python26-libs	Standalone apps/ libraries	2.6.5	PSF	An interpreted, interactive, object-oriented programming language
python-bloom	OSS libraries in interpreted scripts	0.1.12	BSD-like	Python implementation of bloom filter
python-boto	OSS libraries in interpreted scripts	2.32.1	MIT	A simple, lightweight interface to Amazon Web Services (AWS)
python-elementtree	OSS libraries in interpreted scripts	1.2.6	PSF	Fast XML parser and writer
python-imaging	OSS libraries in interpreted scripts	1.1.5	Distributable	Python's own image processing library
python-sqlite	Shared library linkage	1.1.7	Public Domain	Python bindings for SQLite
python-urlgrabber	OSS libraries in interpreted scripts	3.1.0	LGPLv2.1	A high-level cross-protocol URL-grabber
rcs	Standalone apps/ libraries	5.7	GPLv2	Revision control system (RCS) file version management tools
readline	OSS Shared library linkage	5.1	GPLv2	A library for editing typed command lines
redhat-logos		4.9.8		Red Hat-related icons and pictures
reportlab	OSS libraries in interpreted scripts	2.2	BSD	Python PDF generation library
rootfiles	Standalone apps/ libraries	8.1	Distributable	The basic required files for the root user's directory
rpm	Standalone apps/ libraries	4.4.2	GPLv2	The Route Processing Module (RPM) package management system

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
rpm-libs	Standalone apps/ libraries	4.4.2	GPLv2	Libraries for manipulating Route Processing Module (RPM) packages
rpm-python	OSS libraries in interpreted scripts	4.4.2	GPLv2	Python bindings for apps which will manipulate Route Processing Module (RPM) packages
samba-common	Standalone apps	3.0.33	GPLv2	Files used by both Samba servers and clients
scrub	Standalone apps/ libraries	2.1	GPLv2	Disk scrubbing program
sed	Standalone apps/ libraries	4.1.5	GPLv2	A GNU stream text editor
setup		2.5.58	Public Domain	A set of system configuration and setup files
shadow-utils	Standalone apps/ libraries	4.0.17	BSD	Utilities for managing accounts and shadow password files
smartmontools	Standalone apps/ libraries	5.39	GPLv2	S.M.A.R.T. utility toolkit
snappy	Shared library linkage	1.0.1	Apache 2.0	High-speed compression and decompression library
sqlite	Shared library linkage	3.6.12	Public Domain	Library that implements an embeddable SQLite in-process database engine
sshpass	Standalone apps/ libraries	1.05	BSD	Non-interactive SSH password provider
sysfsutils	Standalone apps/ libraries	2.0.0	GPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
sysklogd	Standalone apps/ libraries	1.4.1	GPLv2	System logging and kernel message trapping daemons

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
syslinux	Standalone apps/ libraries	3.11	GPL	Simple kernel loader which boots from a FAT file system
syslog-ng	Standalone apps/ libraries	3.2.5	GPLv2 LGPLv2	Syslog replacement daemon
tar	Standalone apps/ libraries	1.15.1	GPLv2	A GNU file archiving program
tcpdump	Standalone apps/ libraries	3.9.4	BSD	A network traffic monitoring tool
termcap	Configuration Files	5.5	Public Domain	The terminal feature database used by certain applications
tftp	Standalone apps/ libraries	0.48	BSD	The client for Trivial FTP (TFTP)
tftp-server	Standalone apps/ libraries	0.48	BSD	The server for Trivial FTP (TFTP)
traceroute	Standalone apps/ libraries	2.0.1	GPLv2	Traces the route taken by packets over an IPv4/IPv6 network
tzdata	Configuration files	2011l	Public domain	Time-zone data
udev	Standalone apps/ libraries	127	GPLv2	Device manager for device nodes and user space events (improved functionality over `devfs`)
util-linux	Standalone apps/ libraries	2.13	GPLv2	A collection of basic system utilities
vconfig		1.9	GPL	Linux 802.1q VLAN configuration utility
vim-minimal	Standalone apps/ libraries	7.0.109	Charityware	A minimal version of VIsual editor iMproved (VIM)

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
virt-what	Standalone apps/ libraries	1.3	GPLv2	Detect if we are running in a virtual machine
vixie-cron	Standalone apps/ libraries	4.1	ISC	The Vixie cron daemon for executing scheduled commands
wget	Standalone apps/ libraries	1.12	GPLv3	A utility for retrieving files using the HTTP or FTP protocols
wmi	Standalone apps	1.3.13	GPLv2	WMI client
xdelta		1.1.3	GPL	A binary file delta generator and an RCS replacement library
xdelta3	Standalone apps/ libraries	3.0t	GPLv2	A binary file delta generator
xe-guest-utilities	Standalone apps/ libraries	6.1.0	GPL/LGPL	Virtual Machine Monitoring Scripts
xe-guest-utilities-xenstore	Standalone apps/ libraries	6.1.0	GPL/LGPL	Virtual Machine XenStore utilities
xinetd	Standalone apps/ libraries	2.3.14	Distributable	A secure replacement for `inetd`
xz-libs	OSS Shared library linkage	4.999.9	LGPLv2	Libraries for decoding LZMA compression
zlib	Shared library linkage	1.2.3	BSD	The zlib compression and decompression library

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PAN-OS 6.1 OSS Listing

NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
MAKEDEV	Standalone apps/ libraries	3.23	GPLv2	A program used for creating the device files in /dev
SysVinit	Standalone apps/ libraries	2.86	GPLv2	Programs which control basic system processes
acpid	Standalone apps/ libraries	1.0.10	GPLv2	ACPI Event Daemon
basesystem		8	Public Domain	The skeleton package which defines a simple Red Hat Linux system
bash	Standalone apps/ libraries	3.1	GPLv2	The GNU Bourne Again shell (bash) version 3.1
beecrypt	OSS Shared library linkage	4.1.2	LGPLv2.1	An open source cryptography library
bind-libs	OSS Shared library linkage	9.3.3	ISC	Libraries used by the BIND DNS packages
bind-utils	Standalone apps/ libraries	9.3.3	ISC	Utilities for querying DNS name servers
bonnie++	Standalone apps/ libraries	1.03d	GPLv2	A program for benchmarking hard drives and file systems
bzip2	Standalone apps/ libraries	1.0.3	BSD	A file compression utility
bzip2-libs	OSS Shared library linkage	1.0.3	BSD	Libraries for applications using bzip2
chkconfig	Standalone apps/ libraries	1.3.30.1	GPLv2	A system tool for maintaining the /etc/rc*.d hierarchy
coreutils	Standalone apps/ libraries	5.97	GPLv2	The GNU core utilities: a set of tools commonly used in shell scripts

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
cpio	Standalone apps/ libraries	2.6	GPLv2	A GNU archiving program
cpp	Standalone apps/ libraries	4.1.1	GPLv2	The C Preprocessor
cracklib	OSS Shared library linkage	2.8.9	Artistic	A password-checking library
cracklib-dicts	Dictionaries used by cracklib	2.8.9	Artistic	The standard CrackLib password-checking dictionaries
crontabs	Root crontab files, used by system utilities	1.1	Public Domain	Root crontab files used to schedule the execution of programs
curl	Standalone apps/ libraries	7.20.1	MIT	Get and send files to a FTP, HTTP, TFTP, SSH or other servers
dhclient	Standalone apps/ libraries	3.0.5	Distributable	The ISC DHCP client for configuring network interfaces
dhcp	Standalone apps/ libraries	3.0.5	Distributable	DHCP (Dynamic Host Configuration Protocol) server and relay agent
diffutils	Standalone apps/ libraries	2.8.1	GPLv2	A GNU collection of diff utilities
dmidecode	Standalone apps/ libraries	2.11	GPLv2	Tool to analyze BIOS DMI data
e2fsprogs	Standalone apps/ libraries	1.39	GPLv2	Utilities for managing the second extended (ext2) file system
e2fsprogs-libs	OSS Shared library linkage	1.39	GPLv2	Ext2/3 file-system-specific static libraries and headers
e4fsprogs	Standalone apps/ libraries	1.41.12	GPLv2	Utilities for managing the fourth extended (ext4) file system

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
e4fsprogs-libs	OSS Shared library linkage	1.41.12	GPLv2	Ext4 file-system-specific static libraries and headers
elfutils-libelf	OSS Shared library linkage	0.128	GPLv2	Library to read and write ELF files
ethtool	Standalone apps/ libraries	5	GPLv2	Ethernet settings tool for PCI ethernet cards
eventlog	OSS Shared library linkage	0.2.12	BSD	event log library
expat	OSS Shared library linkage	1.95.8	BSD	A library for parsing XML
fastlz	Shared library linkage	0.1.0	FastLZ	A real-time compression library
file	Standalone apps/ libraries	5.04	Distributable	A utility for determining file types
file-libs	Standalone apps/ libraries	5.04	Distributable	Libraries for applications using the LibMagic Perl interface
filesystem	Standalone apps/ libraries	2.4.0	Distributable	The basic directory layout for a Linux system
findutils	Standalone apps/ libraries	4.2.27	GPLv2	The GNU versions of find utilities (find and xargs)
fipscheck	Standalone apps/ libraries	1.2.0	FreeBSD	A library for integrity verification of FIPS validated modules
fipscheck-lib	Standalone apps/ libraries	1.2.0	FreeBSD	Library files for fipscheck
flashrom	Standalone apps/ libraries	0.9.4	GPLv2	Flashrom flash utility
gawk	Standalone apps/ libraries	3.1.5	GPLv2	The GNU version of the awk text processing utility

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
gdb	Standalone apps/ libraries	6.8	GPLv3+	A GNU source-level debugger for C, C++, Java and other languages
glib	OSS Shared library linkage	2.12.9	LGPLv2	glib library
glib2	OSS Shared library linkage	2.12.3	LGPLv2	A library of useful utility functions
glibc	Shared library linkage	2.5	LGPLv2	The GNU libc libraries
glibc-common	Shared library linkage	2.5	LGPLv2	Common binaries and locale data for glibc
gmp	OSS Shared library linkage	4.3.1	LGPLv3	A GNU arbitrary precision library
gnupg	Standalone apps/ libraries	1.4.5	GPLv2	A GNU utility for secure communication and data storage
gperftools	OSS Shared library linkage	2	BSD	Performance Tools for C++
grep	Standalone apps/ libraries	2.5.1	GPLv2	The GNU versions of grep pattern matching utilities
grub	Standalone apps/ libraries	6.0.97	GPL	GRUB - the Grand Unified Boot Loader
gzip	Standalone apps/ libraries	1.3.5	GPLv2	The GNU data compression program
inetutils	Standalone apps/ libraries	1.5	GPLv3	Internet utilities
info	Standalone apps/ libraries	4.8	GPLv2	A stand-alone TTY-based reader for GNU Texinfo documentation
initscripts	Standalone apps/ libraries + startup and shutdown scripts	8.45.15	GPLv2	The inittab file and the /etc/ init.d scripts

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
iproute	Standalone apps/ libraries	2.6.18	GPLv2	Advanced IP routing and network device configuration tools
iptables	Standalone apps/ libraries	1.3.5	GPLv2	Tools for managing Linux kernel packet filtering capabilities
iptables-ipv6	Standalone apps/ libraries	1.3.5	GPLv2	IPv6 support for IP tables
iputils	Standalone apps/ libraries	20020927	GPLv2	Network monitoring tools including ping
irqbalance	Standalone apps/ libraries	1.13	GPLv2	IRQ balancing daemon
krb5-libs	Shared library linkage	1.8.1	MIT	The shared libraries used by Kerberos 5
krb5-workstation	Standalone apps/ libraries	1.8.1	MIT	Kerberos 5 programs for use on workstations
less	Standalone apps/ libraries	394	GPLv2	A text file browser similar to more, but better
leveldb	Shared library linkage	1.15.0	BSD	LevelDB library
libacl	OSS Shared library linkage	2.2.39	LGPLv2.1	Dynamic library for access control list support
libattr	OSS Shared library linkage	2.4.32	LGPLv2.1	Dynamic library for extended attribute support
libcurl4	Shared library linkage	7.20.1	MIT	The cURL library
libevent	OSS Shared library linkage	2.0.19	GPLv2	Abstract asynchronous event notification library
libgcc	Shared library linkage	4.1.1	LGPLv2	GCC version 4.1 shared support library
libgssapi	OSS Shared library linkage	0.1	BSD-like	Generic Security Services Application Programming Interface Library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libjpeg	OSS Shared library linkage	6b	IJG	A library for manipulating JPEG image format files
libmcrypt	OSS Shared library linkage	2.5.8	LGPLv2	Encryption algorithms library
libpcap	Shared library linkage	0.9.4	BSD	A system-independent interface for user-level packet capture
libpng	Shared library linkage	1.2.44	OSI Certified (Zlib)	A library of functions for manipulating PNG image format files
libsmbclient		3.0.33	GPLv2	The SMB client library
libstdc++	Shared library linkage	4.1.1	GPL	GNU Standard C++ Library
libsysfs	OSS Shared library linkage	2.0.0	LGPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
libtecla	Shared library linkage	1.6.1	MIT/X11	The Tecla command-line editing library
libtermcap	Configuration Files	2.0.8	Public Domain	A basic system library for accessing the termcap database
libunwind	OSS Shared library linkage	1.1	BSD	Unwind Library
libuser	OSS Shared library linkage	0.54.7	LGPLv2	A user and group account administration library
libvolume_id	OSS Shared library linkage	127	GPLv2	Dynamic libraries to get volume IDs
libxml2	Shared library linkage	2.6.30	MIT	Library providing XML and HTML support
libxml2-python	Standalone apps/ libraries	2.6.30	PSF	Python bindings for the libxml2 library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libxslt	Shared library linkage	1.1.22	MIT	Library providing the Gnome XSLT engine
Linux kernel	Operating System (OS) core	2.6.32	GPLv2.0	The core interface between the operating system and processes.
lm_sensors	Standalone apps/ libraries	2.10.7	GPLv2	Hardware monitoring tools
lockdev	Standalone apps/ libraries	1.0.1	LGPLv2.1	A library for locking devices
logrotate	Standalone apps/ libraries	3.7.4	GPLv2	Rotates, compresses, removes and mails system log files
lunasa	Shared library linkage, Standalone apps/ libraries	1	Commercial	Client software for SafeNet Luna SA hardware security module (HSM)
m2crypto	Standalone apps/ libraries	0.16	BSD	Support for using OpenSSL in python scripts
mailx	Standalone apps/ libraries	8.1.1	BSD	The /bin/mail program for sending quick email messages
mdadm		2.6.9	GPL	Linux utility used to manage and monitor software RAID devices
mingetty	Standalone apps/ libraries	1.07	GPLv2	A compact getty program for virtual consoles only
minicom	Standalone apps/ libraries	2.1	GPLv2	A text-based modem control and terminal emulation program
mkinitrd		5.1.19.6	GPL	Creates an initial image for preloading block device modules (such as SCSI and RAID)

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
mktemp	Standalone apps/ libraries	1.5	BSD	A small utility for safely making .TMP files
module-init-tools	Standalone apps/ libraries	3.3	GPLv2	Kernel module management utilities
mtdutils		1.0.0	GPL	Memory Technology Device Utilities
nash		5.1.19.6	GPL	nash shell
ncurses	Shared library linkage	5.5	Distributable	A terminal handling library
net-snmp	Standalone apps/ libraries	5.4.4	BSD	Tools and servers for the SNMP protocol
net-tools	Standalone apps/ libraries	1.6	GPLv2	Basic networking tools
nfs-utils	Standalone apps/ libraries	1.0.9	GPLv2	Network File System (NFS) utilities and supporting clients and daemons for the kernel NFS server
nfs-utils-lib	OSS Shared library linkage	1.0.8	GPLv2	Network File System (NFS) Support Library
ntp	Standalone apps/ libraries	4.2.8	Distributable	The Network Time Protocol (NTP) daemon and utilities
ntp-dp	Standalone apps/ libraries	4.2.8	Distributable	Synchronizes system time using the Network Time Protocol (NTP)
ntpdate	Standalone apps/ libraries	4.2.8	Distributable	Utility to set the date and time via Network Time Protocol (NTP)
openldap	Shared library linkage	2.4.23	OpenLDAP	The configuration files, libraries, and documentation for OpenLDAP
openldap-clients	Standalone apps/ libraries	2.4.23	OpenLDAP	Client programs for OpenLDAP

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
openssh	Standalone apps/ libraries	5.2p1	BSD	An open source implementation of SSH protocol versions 1 and 2
openssh-clients	Standalone apps/ libraries	5.2p1	BSD	An open source SSH client application
openssh-server	Standalone apps/ libraries	5.2p1	BSD	An open source SSH server daemon
openssl	Shared library linkage	0.9.8p	OpenSSL	A general purpose cryptography library with TLS implementation
pam	Shared library linkage	1.0.2	BSD	A security tool which provides authentication for applications
pam_krb5	Standalone apps/ libraries	2.2.14	MIT	A pluggable authentication module (PAM) for Kerberos 5
pam_ldap	OSS Shared library linkage	1.8.4	LGPLv3	A pluggable authentication module (PAM) for use with LDAP servers
panos-release	Base Linux OS version info for our systems	2	GPLv2	PAN-OS Linux release file
passwd	Standalone apps/ libraries	0.73	GPLv2	The passwd utility for setting/changing passwords using PAM
pcre	Shared library linkage	6.6	BSD	Perl-compatible regular expression library
pexpect	OSS libraries in interpreted scripts	2.3	MIT	Pexpect is a Pure Python Expect-like module
php	Standalone apps/ libraries	5.3.17	PHP v3.01	The PHP server-side scripting language
php-cli	Standalone apps/ libraries	5.3.17	PHP v3.01	Command-line interface for PHP server-side scripting language

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
php-ext	Standalone apps/ libraries	5.3.17	PHP v3.01	Shared PHP-Ext open source widget library for PHP 4 and PHP 5 server-side scripting language
popt	OSS Shared library linkage	1.12	MIT	A C library for parsing command line parameters
portmap	Standalone apps/ libraries	4	BSD	A program which manages remote procedure call (RPC) connections
procps	Standalone apps/ libraries	3.2.7	GPLv2	System and process monitoring utilities
psmisc	Standalone apps/ libraries	22.2	BSD	Utilities for managing processes on your system
python	Standalone apps/ libraries	2.4.3	PSF	An interpreted, interactive, object-oriented programming language
python-bloom	OSS libraries in interpreted scripts	0.1.12	BSD-like	Python implementation of bloom filter
python-elementtree	OSS libraries in interpreted scripts	1.2.6	PSF	Fast XML parser and writer
python-imaging	OSS libraries in interpreted scripts	1.1.5	Distributable	Python's own image processing library
python-sqlite	Shared library linkage	1.1.7	Public Domain	Python bindings for SQLite
python-urlgrabber	OSS libraries in interpreted scripts	3.1.0	LGPLv2.1	A high-level cross-protocol URL-grabber
rcs	Standalone apps/ libraries	5.7	GPLv2	Revision control system (RCS) file version management tools
readline	OSS Shared library linkage	5.1	GPLv2	A library for editing typed command lines

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
redhat-logos		4.9.8		Red Hat-related icons and pictures
reportlab	OSS libraries in interpreted scripts	2.2	BSD	Python PDF generation library
rootfiles	Standalone apps/ libraries	8.1	Distributable	The basic required files for the root user's directory
rpm	Standalone apps/ libraries	4.4.2	GPLv2	The Route Processing Module (RPM) package management system
rpm-libs	Standalone apps/ libraries	4.4.2	GPLv2	Libraries for manipulating Route Processing Module (RPM) packages
rpm-python	OSS libraries in interpreted scripts	4.4.2	GPLv2	Python bindings for apps which will manipulate Route Processing Module (RPM) packages
samba-common	Standalone apps	3.0.33	GPLv2	Files used by both Samba servers and clients
scrub	Standalone apps/ libraries	2.1	GPLv2	Disk scrubbing program
sed	Standalone apps/ libraries	4.1.5	GPLv2	A GNU stream text editor
setup		2.5.58	Public Domain	A set of system configuration and setup files
shadow-utils	Standalone apps/ libraries	4.0.17	BSD	Utilities for managing accounts and shadow password files
smartmontools	Standalone apps/ libraries	5.39	GPLv2	S.M.A.R.T. utility toolkit
snappy	Shared library linkage	1.0.1	Apache 2.0	High-speed compression and decompression library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
sqlite	Shared library linkage	3.6.12	Public Domain	Library that implements an embeddable SQLite in-process database engine
sshpass	Standalone apps/ libraries	1.05	BSD	Non-interactive SSH password provider
sysfsutils	Standalone apps/ libraries	2.0.0	GPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
sysklogd	Standalone apps/ libraries	1.4.1	GPLv2	System logging and kernel message trapping daemons
syslinux	Standalone apps/ libraries	3.11	GPL	Simple kernel loader which boots from a FAT file system
syslog-ng	Standalone apps/ libraries	3.2.5	GPLv2 LGPLv2	Syslog replacement daemon
tar	Standalone apps/ libraries	1.15.1	GPLv2	A GNU file archiving program
tcpdump	Standalone apps/ libraries	3.9.4	BSD	A network traffic monitoring tool
termcap	Configuration Files	5.5	Public Domain	The terminal feature database used by certain applications
tftp	Standalone apps/ libraries	0.48	BSD	The client for Trivial FTP (TFTP)
tftp-server	Standalone apps/ libraries	0.48	BSD	The server for Trivial FTP (TFTP)
traceroute	Standalone apps/ libraries	2.0.1	GPLv2	Traces the route taken by packets over an IPv4/IPv6 network
tzdata	Configuration files	2011l	Public domain	Time-zone data

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
udev	Standalone apps/ libraries	127	GPLv2	Device manager for device nodes and user space events (improved functionality over `devfs`)
util-linux	Standalone apps/ libraries	2.13	GPLv2	A collection of basic system utilities
vconfig		1.9	GPL	Linux 802.1q VLAN configuration utility
vim-minimal	Standalone apps/ libraries	7.0.109	Charityware	A minimal version of VIsual editor iMproved (VIM)
virt-what	Standalone apps/ libraries	1.3	GPLv2	Detect if we are running in a virtual machine
vixie-cron	Standalone apps/ libraries	4.1	ISC	The Vixie cron daemon for executing scheduled commands
wget	Standalone apps/ libraries	1.12	GPLv3	A utility for retrieving files using the HTTP or FTP protocols
wmi	Standalone apps	1.3.13	GPLv2	WMI client
xdelta		1.1.3	GPL	A binary file delta generator and an RCS replacement library
xdelta3	Standalone apps/ libraries	3.0t	GPLv2	A binary file delta generator
xe-guest-utilities	Standalone apps/ libraries	6.1.0	GPL/LGPL	Virtual Machine Monitoring Scripts
xe-guest-utilities-xenstore	Standalone apps/ libraries	6.1.0	GPL/LGPL	Virtual Machine XenStore utilities
xinetd	Standalone apps/ libraries	2.3.14	Distributable	A secure replacement for `inetd`

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
zlib	Shared library linkage	1.2.3	BSD	The zlib compression and decompression library

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PAN-OS 6.0 OSS Listing

NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
MAKEDEV	Standalone apps/ libraries	3.23	GPLv2	A program used for creating the device files in /dev
SysVinit	Standalone apps/ libraries	2.86	GPLv2	Programs which control basic system processes
basesystem		8	Public Domain	The skeleton package which defines a simple Red Hat Linux system
bash	Standalone apps/ libraries	3.1	GPLv2	The GNU Bourne Again shell (bash) version 3.1
beecrypt	OSS Shared library linkage	4.1.2	LGPLv2.1	An open source cryptography library
bind-libs	OSS Shared library linkage	9.3.3	ISC	Libraries used by the BIND DNS packages
bind-utils	Standalone apps/ libraries	9.3.3	ISC	Utilities for querying DNS name servers
bonnie++	Standalone apps/ libraries	1.03d	GPLv2	A program for benchmarking hard drives and file systems
bzip2	Standalone apps/ libraries	1.0.3	BSD	A file compression utility
bzip2-libs	OSS Shared library linkage	1.0.3	BSD	Libraries for applications using bzip2
chkconfig	Standalone apps/ libraries	1.3.30.1	GPLv2	A system tool for maintaining the /etc/rc*.d hierarchy
coreutils	Standalone apps/ libraries	5.97	GPLv2	The GNU core utilities: a set of tools commonly used in shell scripts
cpio	Standalone apps/ libraries	2.6	GPLv2	A GNU archiving program

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
cpp	Standalone apps/ libraries	4.1.1	GPLv2	The C Preprocessor
cracklib	OSS Shared library linkage	2.8.9	Artistic	A password-checking library
cracklib-dicts	Dictionaries used by cracklib	2.8.9	Artistic	The standard CrackLib password-checking dictionaries
crontabs	Root crontab files, used by system utilities	1.1	Public Domain	Root crontab files used to schedule the execution of programs
curl	Standalone apps/ libraries	7.20.1	MIT	Get and send files to a FTP, HTTP, TFTP, SSH or other servers
dhclient	Standalone apps/ libraries	3.0.5	Distributable	The ISC DHCP client for configuring network interfaces
dhcp	Standalone apps/ libraries	3.0.5	Distributable	DHCP (Dynamic Host Configuration Protocol) server and relay agent
diffutils	Standalone apps/ libraries	2.8.1	GPLv2	A GNU collection of diff utilities
dmidecode	Standalone apps/ libraries	2.11	GPLv2	Tool to analyze BIOS DMI data
e2fsprogs	Standalone apps/ libraries	1.39	GPLv2	Utilities for managing the second extended (ext2) file system
e2fsprogs-libs	OSS Shared library linkage	1.39	GPLv2	Ext2/3 file-system-specific static libraries and headers
e4fsprogs	Standalone apps/ libraries	1.41.12	GPLv2	Utilities for managing the fourth extended (ext4) file system
e4fsprogs-libs	OSS Shared library linkage	1.41.12	GPLv2	Ext4 file-system-specific static libraries and headers

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
elfutils-libelf	OSS Shared library linkage	0.128	GPLv2	Library to read and write ELF files
ethtool	Standalone apps/ libraries	5	GPLv2	Ethernet settings tool for PCI ethernet cards
eventlog	OSS Shared library linkage	0.2.12	BSD	event log library
expat	OSS Shared library linkage	1.95.8	BSD	A library for parsing XML
fastlz	Shared library linkage	0.1.0	FastLZ	A real-time compression library
file	Standalone apps/ libraries	5.04	Distributable	A utility for determining file types
file-libs	Standalone apps/ libraries	5.04	Distributable	Libraries for applications using the LibMagic Perl interface
filesystem	Standalone apps/ libraries	2.4.0	Distributable	The basic directory layout for a Linux system
findutils	Standalone apps/ libraries	4.2.27	GPLv2	The GNU versions of find utilities (find and xargs)
fipscheck	Standalone apps/ libraries	1.2.0	FreeBSD	A library for integrity verification of FIPS validated modules
fipscheck-lib	Standalone apps/ libraries	1.2.0	FreeBSD	Library files for fipscheck
flashrom	Standalone apps/ libraries	0.9.4	GPLv2	Flashrom flash utility
gawk	Standalone apps/ libraries	3.1.5	GPLv2	The GNU version of the awk text processing utility
gdb	Standalone apps/ libraries	6.8	GPLv3+	A GNU source-level debugger for C, C++, Java and other languages

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
glib	OSS Shared library linkage	2.12.9	LGPLv2	glib library
glib2	OSS Shared library linkage	2.12.3	LGPLv2	A library of useful utility functions
glibc	Shared library linkage	2.5	LGPLv2	The GNU libc libraries
glibc-common	Shared library linkage	2.5	LGPLv2	Common binaries and locale data for glibc
gmp	OSS Shared library linkage	4.3.1	LGPLv3	A GNU arbitrary precision library
gnupg	Standalone apps/ libraries	1.4.5	GPLv2	A GNU utility for secure communication and data storage
grep	Standalone apps/ libraries	2.5.1	GPLv2	The GNU versions of grep pattern matching utilities
grub	Standalone apps/ libraries	6.0.97	GPL	GRUB - the Grand Unified Boot Loader
gzip	Standalone apps/ libraries	1.3.5	GPLv2	The GNU data compression program
inetutils	Standalone apps/ libraries	1.5	GPLv3	Internet utilities
info	Standalone apps/ libraries	4.8	GPLv2	A stand-alone TTY-based reader for GNU Texinfo documentation
initscripts	Standalone apps/ libraries + startup and shutdown scripts	8.45.15	GPLv2	The inittab file and the /etc/ init.d scripts
iproute	Standalone apps/ libraries	2.6.18	GPLv2	Advanced IP routing and network device configuration tools
iptables	Standalone apps/ libraries	1.3.5	GPLv2	Tools for managing Linux kernel packet filtering capabilities

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
iptables-ipv6	Standalone apps/ libraries	1.3.5	GPLv2	IPv6 support for IP tables
iputils	Standalone apps/ libraries	20020927	GPLv2	Network monitoring tools including ping
irqbalance	Standalone apps/ libraries	1.13	GPLv2	IRQ balancing daemon
krb5-libs	Shared library linkage	1.8.1	MIT	The shared libraries used by Kerberos 5
krb5-workstation	Standalone apps/ libraries	1.8.1	MIT	Kerberos 5 programs for use on workstations
less	Standalone apps/ libraries	394	GPLv2	A text file browser similar to more, but better
leveldb	Shared library linkage	1.2	BSD	LevelDB library
libacl	OSS Shared library linkage	2.2.39	LGPLv2.1	Dynamic library for access control list support
libattr	OSS Shared library linkage	2.4.32	LGPLv2.1	Dynamic library for extended attribute support
libcurl4	Shared library linkage	7.20.1	MIT	The cURL library
libevent	OSS Shared library linkage	2.0.19	GPLv2	Abstract asynchronous event notification library
libgcc	Shared library linkage	4.1.1	LGPLv2	GCC version 4.1 shared support library
libgssapi	OSS Shared library linkage	0.1	BSD-like	Generic Security Services Application Programming Interface Library
libjpeg	OSS Shared library linkage	6b	IJG	A library for manipulating JPEG image format files
libmcrypt	OSS Shared library linkage	2.5.8	LGPLv2	Encryption algorithms library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libpcap	Shared library linkage	0.9.4	BSD	A system-independent interface for user-level packet capture
libpng	Shared library linkage	1.2.44	OSI Certified (Zlib)	A library of functions for manipulating PNG image format files
libsmbclient		3.0.33	GPLv2	The SMB client library
libstdc++	Shared library linkage	4.1.1	GPL	GNU Standard C++ Library
libsysfs	OSS Shared library linkage	2.0.0	LGPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
libtecla	Shared library linkage	1.6.1	MIT/X11	The Tecla command-line editing library
libtermcap	Configuration Files	2.0.8	Public Domain	A basic system library for accessing the termcap database
libunwind	OSS Shared library linkage	1.1	BSD	Unwind Library
libuser	OSS Shared library linkage	0.54.7	LGPLv2	A user and group account administration library
libvolume_id	OSS Shared library linkage	127	GPLv2	Dynamic libraries to get volume IDs
libxml2	Shared library linkage	2.6.30	MIT	Library providing XML and HTML support
libxml2-python	Standalone apps/ libraries	2.6.30	PSF	Python bindings for the libxml2 library
libxslt	Shared library linkage	1.1.22	MIT	Library providing the Gnome XSLT engine
Linux kernel	Operating System (OS) core	2.6.32	GPLv2.0	The core interface between the operating system and processes.

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
lm_sensors	Standalone apps/ libraries	2.10.7	GPLv2	Hardware monitoring tools
lockdev	Standalone apps/ libraries	1.0.1	LGPLv2.1	A library for locking devices
logrotate	Standalone apps/ libraries	3.7.4	GPLv2	Rotates, compresses, removes and mails system log files
lunasa	Shared library linkage, Standalone apps/ libraries	1	Commercial	Client software for SafeNet Luna SA hardware security module (HSM)
m2crypto	Standalone apps/ libraries	0.16	BSD	Support for using OpenSSL in python scripts
mailx	Standalone apps/ libraries	8.1.1	BSD	The /bin/mail program for sending quick email messages
mdadm		2.6.9	GPL	Linux utility used to manage and monitor software RAID devices
mingetty	Standalone apps/ libraries	1.07	GPLv2	A compact getty program for virtual consoles only
minicom	Standalone apps/ libraries	2.1	GPLv2	A text-based modem control and terminal emulation program
mktemp	Standalone apps/ libraries	1.5	BSD	A small utility for safely making .TMP files
module-init-tools	Standalone apps/ libraries	3.3	GPLv2	Kernel module management utilities
mtdutils		1.0.0	GPL	Memory Technology Device Utilities
ncurses	Shared library linkage	5.5	Distributable	A terminal handling library
net-snmp	Standalone apps/ libraries	5.4.4	BSD	Tools and servers for the SNMP protocol

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
net-tools	Standalone apps/ libraries	1.6	GPLv2	Basic networking tools
nfs-utils	Standalone apps/ libraries	1.0.9	GPLv2	Network File System (NFS) utilities and supporting clients and daemons for the kernel NFS server
nfs-utils-lib	OSS Shared library linkage	1.0.8	GPLv2	Network File System (NFS) Support Library
ntp	Standalone apps/ libraries	4.2.2p1	Distributable	Synchronizes system time using the Network Time Protocol (NTP)
ntp-dp	Standalone apps/ libraries	4.2.2p1	Distributable	Synchronizes system time using the Network Time Protocol (NTP)
openldap	Shared library linkage	2.4.23	OpenLDAP	The configuration files, libraries, and documentation for OpenLDAP
openldap-clients	Standalone apps/ libraries	2.4.23	OpenLDAP	Client programs for OpenLDAP
openssh	Standalone apps/ libraries	5.2p1	BSD	An open source implementation of SSH protocol versions 1 and 2
openssh-clients	Standalone apps/ libraries	5.2p1	BSD	An open source SSH client application
openssh-server	Standalone apps/ libraries	5.2p1	BSD	An open source SSH server daemon
openssl	Shared library linkage	0.9.8p	OpenSSL	A general purpose cryptography library with TLS implementation
pam	Shared library linkage	1.0.2	BSD	A security tool which provides authentication for applications

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
pam_krb5	Standalone apps/ libraries	2.2.14	MIT	A pluggable authentication module (PAM) for Kerberos 5
pam_ldap	OSS Shared library linkage	1.8.4	LGPLv3	A pluggable authentication module (PAM) for use with LDAP servers
panos-release	Base Linux OS version info for our systems	2	GPLv2	PAN-OS Linux release file
passwd	Standalone apps/ libraries	0.73	GPLv2	The passwd utility for setting/changing passwords using PAM
pcre	Shared library linkage	6.6	BSD	Perl-compatible regular expression library
pexpect	OSS libraries in interpreted scripts	2.3	MIT	Pexpect is a Pure Python Expect-like module
php	Standalone apps/ libraries	5.3.17	PHP v3.01	The PHP server-side scripting language
php-cli	Standalone apps/ libraries	5.3.17	PHP v3.01	Command-line interface for PHP server-side scripting language
php-ext	Standalone apps/ libraries	5.3.17	PHP v3.01	Shared PHP-Ext open source widget library for PHP 4 and PHP 5 server-side scripting language
popt	OSS Shared library linkage	1.12	MIT	A C library for parsing command line parameters
portmap	Standalone apps/ libraries	4	BSD	A program which manages remote procedure call (RPC) connections
procps	Standalone apps/ libraries	3.2.7	GPLv2	System and process monitoring utilities
psmisc	Standalone apps/ libraries	22.2	BSD	Utilities for managing processes on your system

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
python	Standalone apps/ libraries	2.4.3	PSF	An interpreted, interactive, object-oriented programming language
python-bloom	OSS libraries in interpreted scripts	0.1.12	BSD-like	Python implementation of bloom filter
python-elementtree	OSS libraries in interpreted scripts	1.2.6	PSF	Fast XML parser and writer
python-imaging	OSS libraries in interpreted scripts	1.1.5	Distributable	Python's own image processing library
python-sqlite	Shared library linkage	1.1.7	Public Domain	Python bindings for SQLite
python-urlgrabber	OSS libraries in interpreted scripts	3.1.0	LGPLv2.1	A high-level cross-protocol URL-grabber
rcs	Standalone apps/ libraries	5.7	GPLv2	Revision control system (RCS) file version management tools
readline	OSS Shared library linkage	5.1	GPLv2	A library for editing typed command lines
redhat-logos		4.9.8		Red Hat-related icons and pictures
reportlab	OSS libraries in interpreted scripts	2.2	BSD	Python PDF generation library
rootfiles	Standalone apps/ libraries	8.1	Distributable	The basic required files for the root user's directory
rpm	Standalone apps/ libraries	4.4.2	GPLv2	The Route Processing Module (RPM) package management system
rpm-libs	Standalone apps/ libraries	4.4.2	GPLv2	Libraries for manipulating Route Processing Module (RPM) packages
rpm-python	OSS libraries in interpreted scripts	4.4.2	GPLv2	Python bindings for apps which will manipulate Route

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
				Processing Module (RPM) packages
samba-common	Standalone apps	3.0.33	GPLv2	Files used by both Samba servers and clients
scrub	Standalone apps/ libraries	2.1	GPLv2	Disk scrubbing program
sed	Standalone apps/ libraries	4.1.5	GPLv2	A GNU stream text editor.
setup		2.5.58	Public Domain	A set of system configuration and setup files
shadow-utils	Standalone apps/ libraries	4.0.17	BSD	Utilities for managing accounts and shadow password files
smartmontools	Standalone apps/ libraries	5.39	GPLv2	S.M.A.R.T. utility toolkit
snappy	Shared library linkage	1.0.1	Apache 2.0	High-speed compression and decompression library
sqlite	Shared library linkage	3.6.12	Public Domain	Library that implements an embeddable SQLite in-process database engine
sshpass	Standalone apps/ libraries	1.05	BSD	Non-interactive SSH password provider
sysfsutils	Standalone apps/ libraries	2.0.0	GPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
sysklogd	Standalone apps/ libraries	1.4.1	GPLv2	System logging and kernel message trapping daemons
syslinux	Standalone apps/ libraries	3.11	GPL	Simple kernel loader which boots from a FAT file system
syslog-ng	Standalone apps/ libraries	3.2.5	GPLv2 LGPLv2	Syslog replacement daemon

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
tar	Standalone apps/ libraries	1.15.1	GPLv2	A GNU file archiving program
tcpdump	Standalone apps/ libraries	3.9.4	BSD	A network traffic monitoring tool
termcap	Configuration Files	5.5	Public Domain	The terminal feature database used by certain applications
tftp	Standalone apps/ libraries	0.48	BSD	The client for Trivial FTP (TFTP)
tftp-server	Standalone apps/ libraries	0.48	BSD	The server for Trivial FTP (TFTP)
traceroute	Standalone apps/ libraries	2.0.1	GPLv2	Traces the route taken by packets over an IPv4/IPv6 network
tzdata	Configuration files	2011l	Public domain	Time-zone data
udev	Standalone apps/ libraries	127	GPLv2	Device manager for device nodes and user space events (improved functionality over `devfs`)
util-linux	Standalone apps/ libraries	2.13	GPLv2	A collection of basic system utilities
vconfig		1.9	GPL	Linux 802.1q VLAN configuration utility
vim-minimal	Standalone apps/ libraries	7.0.109	Charityware	A minimal version of VIsual editor iMproved (VIM)
vixie-cron	Standalone apps/ libraries	4.1	ISC	The Vixie cron daemon for executing scheduled commands
wget	Standalone apps/ libraries	1.12	GPLv3	A utility for retrieving files using the HTTP or FTP protocols

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
wmi	Standalone apps	1.3.13	GPLv2	WMI client
xdelta		1.1.3	GPL	A binary file delta generator and an RCS replacement library
xdelta3	Standalone apps/ libraries	3.0t	GPLv2	A binary file delta generator
xe-guest-utilities	Standalone apps/ libraries	6.1.0	GPL/LGPL	Virtual Machine Monitoring Scripts
xe-guest-utilities-xenstore	Standalone apps/ libraries	6.1.0	GPL/LGPL	Virtual Machine XenStore utilities
xinetd	Standalone apps/ libraries	2.3.14	Distributable	A secure replacement for `inetd`
zlib	Shared library linkage	1.2.3	BSD	The zlib compression and decompression library

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PAN-OS 5.1 OSS Listing

NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
MAKEDEV	Standalone apps/ libraries	3.23	GPLv2	A program used for creating the device files in /dev
SysVinit	Standalone apps/ libraries	2.86	GPLv2	Programs which control basic system processes
basesystem		8	Public Domain	The skeleton package which defines a simple Red Hat Linux system
bash	Standalone apps/ libraries	3.1	GPLv2	The GNU Bourne Again shell (bash) version 3.1
beecrypt	OSS Shared library linkage	4.1.2	LGPLv2.1	An open source cryptography library
bind-libs	OSS Shared library linkage	9.3.3	ISC	Libraries used by the BIND DNS packages
bind-utils	Standalone apps/ libraries	9.3.3	ISC	Utilities for querying DNS name servers
bonnie++	Standalone apps/ libraries	1.03d	GPLv2	A program for benchmarking hard drives and file systems
bzip2	Standalone apps/ libraries	1.0.3	BSD	A file compression utility
bzip2-libs	OSS Shared library linkage	1.0.3	BSD	Libraries for applications using bzip2
chkconfig	Standalone apps/ libraries	1.3.30.1	GPLv2	A system tool for maintaining the /etc/rc*.d hierarchy
coreutils	Standalone apps/ libraries	5.97	GPLv2	The GNU core utilities: a set of tools commonly used in shell scripts
cpio	Standalone apps/ libraries	2.6	GPLv2	A GNU archiving program

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
cpp	Standalone apps/ libraries	4.1.1	GPLv2	The C Preprocessor
cracklib	OSS Shared library linkage	2.8.9	Artistic	A password-checking library
cracklib-dicts	Dictionaries used by cracklib	2.8.9	Artistic	The standard CrackLib password-checking dictionaries
crontabs	Root crontab files, used by system utilities	1.1	Public Domain	Root crontab files used to schedule the execution of programs
curl	Standalone apps/ libraries	7.20.1	MIT	Get and send files to a FTP, HTTP, TFTP, SSH or other servers
dhclient	Standalone apps/ libraries	3.0.5	Distributable	The ISC DHCP client for configuring network interfaces
diffutils	Standalone apps/ libraries	2.8.1	GPLv2	A GNU collection of diff utilities
dmidecode	Standalone apps/ libraries	2.11	GPLv2	Tool to analyze BIOS DMI data
e2fsprogs	Standalone apps/ libraries	1.39	GPLv2	Utilities for managing the second extended (ext2) file system
e2fsprogs-libs	OSS Shared library linkage	1.39	GPLv2	Ext2/3 file-system-specific static libraries and headers
elfutils-libelf	OSS Shared library linkage	0.128	GPLv2	Library to read and write ELF files
ethtool	Standalone apps/ libraries	5	GPLv2	Ethernet settings tool for PCI ethernet cards
expat	OSS Shared library linkage	1.95.8	BSD	A library for parsing XML

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
fastlz	Shared library linkage	0.1.0	FastLZ	A real-time compression library
file	Standalone apps/ libraries	5.04	Distributable	A utility for determining file types
file-libs	Standalone apps/ libraries	5.04	Distributable	Libraries for applications using libmagic
filesystem	Standalone apps/ libraries	2.4.0	Distributable	The basic directory layout for a Linux system
findutils	Standalone apps/ libraries	4.2.27	GPLv2	The GNU versions of find utilities (find and xargs)
fipscheck	Standalone apps/ libraries	1.2.0	FreeBSD	A library for integrity verification of FIPS validated modules
fipscheck-lib	Standalone apps/ libraries	1.2.0	FreeBSD	Library files for fipscheck
flashrom	Standalone apps/ libraries	0.9.4	GPLv2	Flashrom flash utility
gawk	Standalone apps/ libraries	3.1.5	GPLv2	The GNU version of the awk text processing utility
gdb	Standalone apps/ libraries	6.8	GPLv3+	A GNU source-level debugger for C, C++, Java and other languages
glib2	OSS Shared library linkage	2.12.3	LGPLv2	A library of useful utility functions
glibc	Shared library linkage	2.5	LGPLv2	The GNU libc libraries
glibc-common	Shared library linkage	2.5	LGPLv2	Common binaries and locale data for glibc
gmp	OSS Shared library linkage	4.3.1	LGPLv3	A GNU arbitrary precision library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
gnupg	Standalone apps/ libraries	1.4.5	GPLv2	A GNU utility for secure communication and data storage
grep	Standalone apps/ libraries	2.5.1	GPLv2	The GNU versions of grep pattern matching utilities
grub	Standalone apps/ libraries	6.0.97	GPL	GRUB - the Grand Unified Boot Loader
gzip	Standalone apps/ libraries	1.3.5	GPLv2	The GNU data compression program
inetutils	Standalone apps/ libraries	1.5	GPLv3	Internet utilities
info	Standalone apps/ libraries	4.8	GPLv2	A stand-alone TTY-based reader for GNU Texinfo documentation
initscripts	Standalone apps/ libraries + startup and shutdown scripts	8.45.15	GPLv2	The inittab file and the /etc/ init.d scripts
iproute	Standalone apps/ libraries	2.6.18	GPLv2	Advanced IP routing and network device configuration tools
iptables	Standalone apps/ libraries	1.3.5	GPLv2	Tools for managing Linux kernel packet filtering capabilities
iptables-ipv6	Standalone apps/ libraries	1.3.5	GPLv2	IPv6 support for IP tables
iputils	Standalone apps/ libraries	20020927	GPLv2	Network monitoring tools including ping
irqbalance	Standalone apps/ libraries	1.13	GPLv2	IRQ balancing daemon
krb5-libs	Shared library linkage	1.8.1	MIT	The shared libraries used by Kerberos 5

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
krb5-workstation	Standalone apps/ libraries	1.8.1	MIT	Kerberos 5 programs for use on workstations
less	Standalone apps/ libraries	394	GPLv2	A text file browser similar to more, but better
libacl	OSS Shared library linkage	2.2.39	LGPLv2.1	Dynamic library for access control list support
libattr	OSS Shared library linkage	2.4.32	LGPLv2.1	Dynamic library for extended attribute support
libcurl4	Shared library linkage	7.20.1	MIT	The cURL library
libevent	OSS Shared library linkage	2.0.19	GPLv2	Abstract asynchronous event notification library
libgcc	Shared library linkage	4.1.1	LGPLv2	GCC version 4.1 shared support library
libgssapi	OSS Shared library linkage	0.1	BSD-like	Generic Security Services Application Programming Interface Library
libjpeg	OSS Shared library linkage	6b	IJG	A library for manipulating JPEG image format files
libmcrypt	OSS Shared library linkage	2.5.8	LGPLv2	Encryption algorithms library
libpcap	Shared library linkage	0.9.4	BSD	A system-independent interface for user-level packet capture
libpng	Shared library linkage	1.2.44	OSI certified/Zl	A library of functions for manipulating PNG image format files
libsmbclient		3.0.33	GPLv2	The SMB client library
libstdc++	Shared library linkage	4.1.1	GPL	GNU Standard C++ Library
libsysfs	OSS Shared library linkage	2.0.0	LGPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libtecla	Shared library linkage	1.6.1	MIT/X11	The Tecla command-line editing library
libtermcap	Configuration Files	2.0.8	Public Domain	A basic system library for accessing the termcap database
libuser	OSS Shared library linkage	0.54.7	LGPLv2	A user and group account administration library
libvolume_id	OSS Shared library linkage	127	GPLv2	Dynamic libraries to get volume IDs
libxml2	Shared library linkage	2.6.30	MIT	Library providing XML and HTML support
libxml2-python	Standalone apps/ libraries	2.6.30	PSF	Python bindings for the libxml2 library
libxslt	Shared library linkage	1.1.22	MIT	Library providing the Gnome XSLT engine
Linux kernel	Operating System (OS) core	2.6.32	GPLv2.0	The core interface between the operating system and processes.
lockdev	Standalone apps/ libraries	1.0.1	LGPLv2.1	A library for locking devices
logrotate	Standalone apps/ libraries	3.7.4	GPLv2	Rotates, compresses, removes and mails system log files
m2crypto	Standalone apps/ libraries	0.16	BSD	Support for using OpenSSL in python scripts
mailx	Standalone apps/ libraries	8.1.1	BSD	The /bin/mail program for sending quick email messages
mdadm		2.6.9	GPL	Linux utility used to manage and monitor software RAID devices

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
mingetty	Standalone apps/ libraries	1.07	GPLv2	A compact getty program for virtual consoles only
minicom	Standalone apps/ libraries	2.1	GPLv2	A text-based modem control and terminal emulation program
mktemp	Standalone apps/ libraries	1.5	BSD	A small utility for safely making .TMP files
module-init-tools	Standalone apps/ libraries	3.3	GPLv2	Kernel module management utilities
mtdutils		1.0.0	GPL	Memory Technology Device Utilities
ncurses	Shared library linkage	5.5	Distributable	A terminal handling library
net-snmp	Standalone apps/ libraries	5.4.4	BSD	Tools and servers for the SNMP protocol
net-tools	Standalone apps/ libraries	1.6	GPLv2	Basic networking tools
nfs-utils	Standalone apps/ libraries	1.0.9	GPLv2	Network File System (NFS) utilities and supporting clients and daemons for the kernel NFS server
nfs-utils-lib	OSS Shared library linkage	1.0.8	GPLv2	Network File System (NFS) Support Library
ntp	Standalone apps/ libraries	4.2.2p1	Distributable	Synchronizes system time using the Network Time Protocol (NTP)
ntp-dp	Standalone apps/ libraries	4.2.2p1	Distributable	Synchronizes system time using the Network Time Protocol (NTP)
openldap	Shared library linkage	2.4.23	OpenLDAP	The configuration files, libraries, and documentation for OpenLDAP

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
openldap-clients	Standalone apps/ libraries	2.4.23	OpenLDAP	Client programs for OpenLDAP
openssh	Standalone apps/ libraries	5.2p1	BSD	An open source implementation of SSH protocol versions 1 and 2
openssh-clients	Standalone apps/ libraries	5.2p1	BSD	An open source SSH client application
openssh-server	Standalone apps/ libraries	5.2p1	BSD	An open source SSH server daemon
openssl	Shared library linkage	0.9.8p	OpenSSL	A general purpose cryptography library with TLS implementation
pam	Shared library linkage	1.0.2	BSD	A security tool which provides authentication for applications
pam_krb5	Standalone apps/ libraries	2.2.14	MIT	A pluggable authentication module (PAM) for Kerberos 5
pam_ldap	OSS Shared library linkage	1.8.4	LGPLv3	A pluggable authentication module (PAM) for use with LDAP servers
panos-release	Base Linux OS version info for our systems	2	GPLv2	PAN-OS Linux release file
passwd	Standalone apps/ libraries	0.73	GPLv2	The passwd utility for setting/changing passwords using PAM
pcre	Shared library linkage	6.6	BSD	Perl-compatible regular expression library
pexpect	OSS libraries in interpreted scripts	2.3	MIT	Pexpect is a Pure Python Expect-like module
php	Standalone apps/ libraries	5.3.17	PHP v3.01	The PHP server-side scripting language

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
php-cli	Standalone apps/ libraries	5.3.17	PHP v3.01	Command-line interface for PHP server-side scripting language
popt	OSS Shared library linkage	1.12	MIT	A C library for parsing command line parameters
portmap	Standalone apps/ libraries	4	BSD	A program which manages remote procedure call (RPC) connections
procps	Standalone apps/ libraries	3.2.7	GPLv2	System and process monitoring utilities
psmisc	Standalone apps/ libraries	22.2	BSD	Utilities for managing processes on your system
python	Standalone apps/ libraries	2.4.3	PSF	An interpreted, interactive, object-oriented programming language
python-bloom	OSS libraries in interpreted scripts	0.1.12	BSD-like	Python implementation of bloom filter
python-elementtree	OSS libraries in interpreted scripts	1.2.6	PSF	Fast XML parser and writer
python-imaging	OSS libraries in interpreted scripts	1.1.5	Distributable	Python's own image processing library
python-sqlite	Shared library linkage	1.1.7	Public Domain	Python bindings for SQLite
python-urlgrabber	OSS libraries in interpreted scripts	3.1.0	LGPLv2.1	A high-level cross-protocol URL-grabber
rcs	Standalone apps/ libraries	5.7	GPLv2	Revision control system (RCS) file version management tools
readline	OSS Shared library linkage	5.1	GPLv2	A library for editing typed command lines
redhat-logos		4.9.8		Red Hat-related icons and pictures

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
reportlab	OSS libraries in interpreted scripts	2.2	BSD	Python PDF generation library
rootfiles	Standalone apps/ libraries	8.1	Distributable	The basic required files for the root user's directory
rpm	Standalone apps/ libraries	4.4.2	GPLv2	The Route Processing Module (RPM) package management system
rpm-libs	Standalone apps/ libraries	4.4.2	GPLv2	Libraries for manipulating Route Processing Module (RPM) packages
rpm-python	OSS libraries in interpreted scripts	4.4.2	GPLv2	Python bindings for apps which will manipulate Route Processing Module (RPM) packages
samba-common	Standalone apps	3.0.33	GPLv2	Files used by both Samba servers and clients
scrub	Standalone apps/ libraries	2.1	GPLv2	Disk scrubbing program
sed	Standalone apps/ libraries	4.1.5	GPLv2	A GNU stream text editor
setup		2.5.58	Public Domain	A set of system configuration and setup files
shadow-utils	Standalone apps/ libraries	4.0.17	BSD	Utilities for managing accounts and shadow password files
smartmontools	Standalone apps/ libraries	5.39	GPLv2	S.M.A.R.T. utility toolkit
snappy	Shared library linkage	1.0.1	Apache 2.0	High-speed compression and decompression library
sqlite	Shared library linkage	3.6.12	Public Domain	Library that implements an embeddable SQLite in-process database engine

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
sshpass	Standalone apps/ libraries	1.05	BSD	Non-interactive SSH password provider
sysfsutils	Standalone apps/ libraries	2.0.0	GPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
sysklogd	Standalone apps/ libraries	1.4.1	GPLv2	System logging and kernel message trapping daemons
tar	Standalone apps/ libraries	1.15.1	GPLv2	A GNU file archiving program
tcpdump	Standalone apps/ libraries	3.9.4	BSD	A network traffic monitoring tool
termcap	Configuration Files	5.5	Public Domain	The terminal feature database used by certain applications
tftp	Standalone apps/ libraries	0.48	BSD	The client for Trivial FTP (TFTP)
tftp-server	Standalone apps/ libraries	0.48	BSD	The server for Trivial FTP (TFTP)
traceroute	Standalone apps/ libraries	2.0.1	GPLv2	Traces the route taken by packets over an IPv4/IPv6 network
tzdata	Configuration files	2011l	Public domain	Time-zone data
udev	Standalone apps/ libraries	127	GPLv2	Device manager for device nodes and user space events (improved functionality over `devfs`)
util-linux	Standalone apps/ libraries	2.13	GPLv2	A collection of basic system utilities
vconfig		1.9	GPL	Linux 802.1q VLAN configuration utility

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
vim-minimal	Standalone apps/ libraries	7.0.109	Charityware	A minimal version of VIsual editor iMproved (VIM)
vixie-cron	Standalone apps/ libraries	4.1	ISC	The Vixie cron daemon for executing scheduled commands
wget	Standalone apps/ libraries	1.12	GPLv3	A utility for retrieving files using the HTTP or FTP protocols
wmi	Standalone apps	1.3.13	GPLv2	WMI client
xdelta		1.1.3	GPL	A binary file delta generator and an RCS replacement library
xdelta3	Standalone apps/ libraries	3.0t	GPLv2	A binary file delta generator
xinetd	Standalone apps/ libraries	2.3.14	Distributable	A secure replacement for `inetd`
zlib	Shared library linkage	1.2.3	BSD	The zlib compression and decompression library

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PAN-OS 5.0 OSS Listing

NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
MAKEDEV	Standalone apps/ libraries	3.23	GPLv2	A program used for creating the device files in /dev
SysVinit	Standalone apps/ libraries	2.86	GPLv2	Programs which control basic system processes
basesystem		8	Public Domain	The skeleton package which defines a simple Red Hat Linux system
bash	Standalone apps/ libraries	3.1	GPLv2	The GNU Bourne Again shell (bash) version 3.1
beecrypt	OSS Shared library linkage	4.1.2	LGPLv2.1	An open source cryptography library
bind-libs	OSS Shared library linkage	9.3.3	ISC	Libraries used by the BIND DNS packages
bind-utils	Standalone apps/ libraries	9.3.3	ISC	Utilities for querying DNS name servers
bonnie++	Standalone apps/ libraries	1.03d	GPLv2	A program for benchmarking hard drives and file systems
bzip2	Standalone apps/ libraries	1.0.3	BSD	A file compression utility
bzip2-libs	OSS Shared library linkage	1.0.3	BSD	Libraries for applications using bzip2
chkconfig	Standalone apps/ libraries	1.3.30.1	GPLv2	A system tool for maintaining the /etc/rc*.d hierarchy
coreutils	Standalone apps/ libraries	5.97	GPLv2	The GNU core utilities: a set of tools commonly used in shell scripts
cpio	Standalone apps/ libraries	2.6	GPLv2	A GNU archiving program

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
cpp	Standalone apps/ libraries	4.1.1	GPLv2	The C Preprocessor
cracklib	OSS Shared library linkage	2.8.9	Artistic	A password-checking library
cracklib-dicts	Dictionaries used by cracklib	2.8.9	Artistic	The standard CrackLib password-checking dictionaries
crontabs	Root crontab files, used by system utilities	1.1	Public Domain	Root crontab files used to schedule the execution of programs
curl	Standalone apps/ libraries	7.20.1	MIT	Get and send files to a FTP, HTTP, TFTP, SSH or other servers
dhclient	Standalone apps/ libraries	3.0.5	Distributable	The ISC DHCP client for configuring network interfaces
diffutils	Standalone apps/ libraries	2.8.1	GPLv2	A GNU collection of diff utilities
dmidecode	Standalone apps/ libraries	2.11	GPLv2	Tool to analyze BIOS DMI data
e2fsprogs	Standalone apps/ libraries	1.39	GPLv2	Utilities for managing the second extended (ext2) file system
e2fsprogs-libs	OSS Shared library linkage	1.39	GPLv2	Ext2/3 file-system-specific static libraries and headers
elfutils-libelf	OSS Shared library linkage	0.128	GPLv2	Library to read and write ELF files
ethtool	Standalone apps/ libraries	5	GPLv2	Ethernet settings tool for PCI ethernet cards
expat	OSS Shared library linkage	1.95.8	BSD	A library for parsing XML

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
fastlz	Shared library linkage	0.1.0	FastLZ	A real-time compression library
file	Standalone apps/ libraries	4.17	Distributable	A utility for determining file types
filesystem	Standalone apps/ libraries	2.4.0	Distributable	The basic directory layout for a Linux system
findutils	Standalone apps/ libraries	4.2.27	GPLv2	The GNU versions of find utilities (find and xargs)
fipscheck	Standalone apps/ libraries	1.2.0	FreeBSD	A library for integrity verification of FIPS validated modules
fipscheck-lib	Standalone apps/ libraries	1.2.0	FreeBSD	Library files for fipscheck
flashrom	Standalone apps/ libraries	0.9.4	GPLv2	Flashrom flash utility
gawk	Standalone apps/ libraries	3.1.5	GPLv2	The GNU version of the awk text processing utility
gdb	Standalone apps/ libraries	6.8	GPLv3+	A GNU source-level debugger for C, C++, Java and other languages
glib2	OSS Shared library linkage	2.12.3	LGPLv2	A library of useful utility functions
glibc	Shared library linkage	2.5	LGPLv2	The GNU libc libraries
glibc-common	Shared library linkage	2.5	LGPLv2	Common binaries and locale data for glibc
gmp	OSS Shared library linkage	4.3.1	LGPLv3	A GNU arbitrary precision library
gnupg	Standalone apps/ libraries	1.4.5	GPLv2	A GNU utility for secure communication and data storage

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
grep	Standalone apps/ libraries	2.5.1	GPLv2	The GNU versions of grep pattern matching utilities
grub	Standalone apps/ libraries	6.0.97	GPL	GRUB - the Grand Unified Boot Loader
gzip	Standalone apps/ libraries	1.3.5	GPLv2	The GNU data compression program
inetutils	Standalone apps/ libraries	1.5	GPLv3	Internet utilities
info	Standalone apps/ libraries	4.8	GPLv2	A stand-alone TTY-based reader for GNU Texinfo documentation
initscripts	Standalone apps/ libraries + startup and shutdown scripts	8.45.15	GPLv2	The inittab file and the /etc/ init.d scripts
iproute	Standalone apps/ libraries	2.6.18	GPLv2	Advanced IP routing and network device configuration tools
iptables	Standalone apps/ libraries	1.3.5	GPLv2	Tools for managing Linux kernel packet filtering capabilities
iptables-ipv6	Standalone apps/ libraries	1.3.5	GPLv2	IPv6 support for IP tables
iputils	Standalone apps/ libraries	20020927	GPLv2	Network monitoring tools including ping
irqbalance	Standalone apps/ libraries	1.13	GPLv2	IRQ balancing daemon
krb5-libs	Shared library linkage	1.8.1	MIT	The shared libraries used by Kerberos 5
krb5-workstation	Standalone apps/ libraries	1.8.1	MIT	Kerberos 5 programs for use on workstations
less	Standalone apps/ libraries	394	GPLv2	A text file browser similar to more, but better

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libacl	OSS Shared library linkage	2.2.39	LGPLv2.1	Dynamic library for access control list support
libattr	OSS Shared library linkage	2.4.32	LGPLv2.1	Dynamic library for extended attribute support
libcurl4	Shared library linkage	7.20.1	MIT	The cURL library
libevent	OSS Shared library linkage	2.0.19	GPLv2	Abstract asynchronous event notification library
libgcc	Shared library linkage	4.1.1	LGPLv2	GCC version 4.1 shared support library
libgssapi	OSS Shared library linkage	0.1	BSD-like	Generic Security Services Application Programming Interface Library
libjpeg	OSS Shared library linkage	6b	IJG	A library for manipulating JPEG image format files
libpcap	Shared library linkage	0.9.4	BSD	A system-independent interface for user-level packet capture
libpng	Shared library linkage	1.2.44	OSI Certified (Zlib)	A library of functions for manipulating PNG image format files
libsmbclient		3.0.33	GPLv2	The SMB client library
libstdc++	Shared library linkage	4.1.1	GPL	GNU Standard C++ Library
libsysfs	OSS Shared library linkage	2.0.0	LGPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
libtecla	Shared library linkage	1.6.1	MIT/X11	The Tecla command-line editing library
libtermcap	Configuration Files	2.0.8	Public Domain	A basic system library for accessing the termcap database

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libuser	OSS Shared library linkage	0.54.7	LGPLv2	A user and group account administration library
libvolume_id	OSS Shared library linkage	127	GPLv2	Dynamic libraries to get volume IDs
libxml2	Shared library linkage	2.6.30	MIT	Library providing XML and HTML support
libxml2-python	Standalone apps/ libraries	2.6.30	PSF	Python bindings for the libxml2 library
libxslt	Shared library linkage	1.1.22	MIT	Library providing the Gnome XSLT engine
Linux kernel	Operating System (OS) core	2.6.32	GPLv2.0	The core interface between the operating system and processes.
lockdev	Standalone apps/ libraries	1.0.1	LGPLv2.1	A library for locking devices
logrotate	Standalone apps/ libraries	3.7.4	GPLv2	Rotates, compresses, removes and mails system log files
m2crypto	Standalone apps/ libraries	0.16	BSD	Support for using OpenSSL in python scripts
mailx	Standalone apps/ libraries	8.1.1	BSD	The /bin/mail program for sending quick email messages
mdadm		2.6.9	GPL	Linux utility used to manage and monitor software RAID devices
mingetty	Standalone apps/ libraries	1.07	GPLv2	A compact getty program for virtual consoles only
minicom	Standalone apps/ libraries	2.1	GPLv2	A text-based modem control and terminal emulation program

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
mktemp	Standalone apps/ libraries	1.5	BSD	A small utility for safely making .TMP files
module-init-tools	Standalone apps/ libraries	3.3	GPLv2	Kernel module management utilities
mtdutils		1.0.0	GPL	Memory Technology Device Utilities
ncurses	Shared library linkage	5.5	Distributable	A terminal handling library
net-snmp	Standalone apps/ libraries	5.4.4	BSD	Tools and servers for the SNMP protocol
net-tools	Standalone apps/ libraries	1.6	GPLv2	Basic networking tools
nfs-utils	Standalone apps/ libraries	1.0.9	GPLv2	Network File System (NFS) utilities and supporting clients and daemons for the kernel NFS server
nfs-utils-lib	OSS Shared library linkage	1.0.8	GPLv2	Network File System (NFS) Support Library
ntp	Standalone apps/ libraries	4.2.2p1	Distributable	Synchronizes system time using the Network Time Protocol (NTP)
ntp-dp	Standalone apps/ libraries	4.2.2p1	Distributable	Synchronizes system time using the Network Time Protocol (NTP)
openldap	Shared library linkage	2.4.23	OpenLDAP	The configuration files, libraries, and documentation for OpenLDAP
openldap-clients	Standalone apps/ libraries	2.4.23	OpenLDAP	Client programs for OpenLDAP
openssh	Standalone apps/ libraries	5.2p1	BSD	An open source implementation of SSH protocol versions 1 and 2

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
openssh-clients	Standalone apps/ libraries	5.2p1	BSD	An open source SSH client application
openssh-server	Standalone apps/ libraries	5.2p1	BSD	An open source SSH server daemon
openssl	Shared library linkage	0.9.8p	OpenSSL	A general purpose cryptography library with TLS implementation
pam	Shared library linkage	1.0.2	BSD	A security tool which provides authentication for applications
pam_krb5	Standalone apps/ libraries	2.2.14	MIT	A pluggable authentication module (PAM) for Kerberos 5
pam_ldap	OSS Shared library linkage	1.8.4	LGPLv3	A pluggable authentication module (PAM) for use with LDAP servers
panos-release	Base Linux OS version info for our systems	2	GPLv2	PAN-OS Linux release file
passwd	Standalone apps/ libraries	0.73	GPLv2	The passwd utility for setting/changing passwords using PAM
pcre	Shared library linkage	6.6	BSD	Perl-compatible regular expression library
pexpect	OSS libraries in interpreted scripts	2.3	MIT	Pexpect is a Pure Python Expect-like module
php-cli	Standalone apps/ libraries	5.3.9	PHP v3.01	Command-line interface for PHP server-side scripting language
popt	OSS Shared library linkage	1.12	MIT	A C library for parsing command line parameters
portmap	Standalone apps/ libraries	4	BSD	A program which manages remote procedure call (RPC) connections

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
procps	Standalone apps/ libraries	3.2.7	GPLv2	System and process monitoring utilities
psmisc	Standalone apps/ libraries	22.2	BSD	Utilities for managing processes on your system
python	Standalone apps/ libraries	2.4.3	PSF	An interpreted, interactive, object-oriented programming language
python-bloom	OSS libraries in interpreted scripts	0.1.12	BSD-like	Python implementation of bloom filter
python-elementtree	OSS libraries in interpreted scripts	1.2.6	PSF	Fast XML parser and writer
python-imaging	OSS libraries in interpreted scripts	1.1.5	Distributable	Python's own image processing library
python-sqlite	Shared library linkage	1.1.7	Public Domain	Python bindings for SQLite
python-urlgrabber	OSS libraries in interpreted scripts	3.1.0	LGPLv2.1	A high-level cross-protocol URL-grabber
rcs	Standalone apps/ libraries	5.7	GPLv2	Revision control system (RCS) file version management tools
readline	OSS Shared library linkage	5.1	GPLv2	A library for editing typed command lines
redhat-logos		4.9.8		Red Hat-related icons and pictures
reportlab	OSS libraries in interpreted scripts	2.2	BSD	Python PDF generation library
rootfiles	Standalone apps/ libraries	8.1	Distributable	The basic required files for the root user's directory
rpm	Standalone apps/ libraries	4.4.2	GPLv2	The Route Processing Module (RPM) package management system

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
rpm-libs	Standalone apps/ libraries	4.4.2	GPLv2	Libraries for manipulating Route Processing Module (RPM) packages
rpm-python	OSS libraries in interpreted scripts	4.4.2	GPLv2	Python bindings for apps which will manipulate Route Processing Module (RPM) packages
samba-common	Standalone apps	3.0.33	GPLv2	Files used by both Samba servers and clients
scrub	Standalone apps/ libraries	2.1	GPLv2	Disk scrubbing program
sed	Standalone apps/ libraries	4.1.5	GPLv2	A GNU stream text editor
setup		2.5.58	Public Domain	A set of system configuration and setup files
shadow-utils	Standalone apps/ libraries	4.0.17	BSD	Utilities for managing accounts and shadow password files
smartmontools	Standalone apps/ libraries	5.39	GPLv2	S.M.A.R.T. utility toolkit
snappy	Shared library linkage	1.0.1	Apache 2.0	High-speed compression and decompression library
sqlite	Shared library linkage	3.6.12	Public Domain	Library that implements an embeddable SQLite in-process database engine
sshpass	Standalone apps/ libraries	1.05	BSD	Non-interactive SSH password provider
sysfsutils	Standalone apps/ libraries	2.0.0	GPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
sysklogd	Standalone apps/ libraries	1.4.1	GPLv2	System logging and kernel message trapping daemons

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
tar	Standalone apps/ libraries	1.15.1	GPLv2	A GNU file archiving program
tcpdump	Standalone apps/ libraries	3.9.4	BSD	A network traffic monitoring tool
termcap	Configuration Files	5.5	Public Domain	The terminal feature database used by certain applications
tftp	Standalone apps/ libraries	0.48	BSD	The client for Trivial FTP (TFTP)
tftp-server	Standalone apps/ libraries	0.48	BSD	The server for Trivial FTP (TFTP)
traceroute	Standalone apps/ libraries	2.0.1	GPLv2	Traces the route taken by packets over an IPv4/IPv6 network
tzdata	Configuration files	2011l	Public domain	Time-zone data
udev	Standalone apps/ libraries	127	GPLv2	Device manager for device nodes and user space events (improved functionality over `devfs`)
util-linux	Standalone apps/ libraries	2.13	GPLv2	A collection of basic system utilities
vconfig		1.9	GPL	Linux 802.1q VLAN configuration utility
vim-minimal	Standalone apps/ libraries	7.0.109	Charityware	A minimal version of VIsual editor iMproved (VIM)
vixie-cron	Standalone apps/ libraries	4.1	ISC	The Vixie cron daemon for executing scheduled commands
wget	Standalone apps/ libraries	1.12	GPLv3	A utility for retrieving files using the HTTP or FTP protocols

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
wmi	Standalone apps	1.3.13	GPLv2	WMI client
xdelta		1.1.3	GPL	A binary file delta generator and an RCS replacement library
xdelta3	Standalone apps/ libraries	3.0t	GPLv2	A binary file delta generator
xinetd	Standalone apps/ libraries	2.3.14	Distributable	A secure replacement for `inetd`
zlib	Shared library linkage	1.2.3	BSD	The zlib compression and decompression library

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PAN-OS 4.1 OSS Listing

NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
MAKEDEV	Standalone apps/ libraries	3.23	GPLv2	A program used for creating the device files in /dev
SysVinit	Standalone apps/ libraries	2.86	GPLv2	Programs which control basic system processes
basesystem		8	Public Domain	The skeleton package which defines a simple Red Hat Linux system
bash	Standalone apps/ libraries	3.1	GPLv2	The GNU Bourne Again shell (bash) version 3.1
beecrypt	OSS Shared library linkage	4.1.2	LGPLv2.1	An open source cryptography library
bonnie++	Standalone apps/ libraries	1.03d	GPLv2	A program for benchmarking hard drives and file systems
bzip2	Standalone apps/ libraries	1.0.3	BSD	A file compression utility
bzip2-libs	OSS Shared library linkage	1.0.3	BSD	Libraries for applications using bzip2
chkconfig	Standalone apps/ libraries	1.3.30.1	GPLv2	A system tool for maintaining the /etc/rc*.d hierarchy
coreutils	Standalone apps/ libraries	5.97	GPLv2	The GNU core utilities: a set of tools commonly used in shell scripts
cpio	Standalone apps/ libraries	2.6	GPLv2	A GNU archiving program
cpp	Standalone apps/ libraries	4.1.1	GPLv2	The C Preprocessor
cracklib	OSS Shared library linkage	2.8.9	Artistic	A password-checking library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
cracklib-dicts	Dictionaries used by cracklib	2.8.9	Artistic	The standard CrackLib password-checking dictionaries
crontabs	Root crontab files, used by system utilities	1.1	Public Domain	Root crontab files used to schedule the execution of programs
curl	Standalone apps/ libraries	7.20.1	MIT	Get and send files to a FTP, HTTP, TFTP, SSH or other servers
dhclient	Standalone apps/ libraries	3.0.5	Distributable	The ISC DHCP client for configuring network interfaces
diffutils	Standalone apps/ libraries	2.8.1	GPLv2	A GNU collection of diff utilities
e2fsprogs	Standalone apps/ libraries	1.39	GPLv2	Utilities for managing the second extended (ext2) file system
e2fsprogs-libs	OSS Shared library linkage	1.39	GPLv2	Ext2/3 file-system-specific static libraries and headers
elfutils-libelf	OSS Shared library linkage	0.128	GPLv2	Library to read and write ELF files
ethtool	Standalone apps/ libraries	5	GPLv2	Ethernet settings tool for PCI ethernet cards
expat	OSS Shared library linkage	1.95.8	BSD	A library for parsing XML
fastlz	Shared library linkage	0.1.0	FastLZ	A real-time compression library
file	Standalone apps/ libraries	4.17	Distributable	A utility for determining file types
filesystem	Standalone apps/ libraries	2.4.0	Distributable	The basic directory layout for a Linux system

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
findutils	Standalone apps/ libraries	4.2.27	GPLv2	The GNU versions of find utilities (find and xargs)
fipscheck	Standalone apps/ libraries	1.2.0	FreeBSD	A library for integrity verification of FIPS validated modules
fipscheck-lib	Standalone apps/ libraries	1.2.0	FreeBSD	Library files for fipscheck
flashrom	Standalone apps/ libraries	0.9.4	GPLv2	Flashrom flash utility
gawk	Standalone apps/ libraries	3.1.5	GPLv2	The GNU version of the awk text processing utility
gdb	Standalone apps/ libraries	7.0.1	GPLv3+	A GNU source-level debugger for C, C++, Java and other languages
glib2	OSS Shared library linkage	2.12.3	LGPLv2	A library of useful utility functions
glibc	Shared library linkage	2.5	LGPLv2	The GNU libc libraries
glibc-common	Shared library linkage	2.5	LGPLv2	Common binaries and locale data for glibc
gmp	OSS Shared library linkage	4.3.1	LGPLv3	A GNU arbitrary precision library
gnupg	Standalone apps/ libraries	1.4.5	GPLv2	A GNU utility for secure communication and data storage
grep	Standalone apps/ libraries	2.5.1	GPLv2	The GNU versions of grep pattern matching utilities
grub	Standalone apps/ libraries	6.0.97	GPL	GRUB - the Grand Unified Boot Loader
gzip	Standalone apps/ libraries	1.3.5	GPLv2	The GNU data compression program

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
inetutils	Standalone apps/ libraries	1.5	GPLv3	Internet utilities
info	Standalone apps/ libraries	4.8	GPLv2	A stand-alone TTY-based reader for GNU Texinfo documentation
initscripts	Standalone apps/ libraries + startup and shutdown scripts	8.45.15	GPLv2	The inittab file and the /etc/ init.d scripts
iproute	Standalone apps/ libraries	2.6.18	GPLv2	Advanced IP routing and network device configuration tools
iptables	Standalone apps/ libraries	1.3.5	GPLv2	Tools for managing Linux kernel packet filtering capabilities
iptables-ipv6	Standalone apps/ libraries	1.3.5	GPLv2	IPv6 support for IP tables
iputils	Standalone apps/ libraries	20020927	GPLv2	Network monitoring tools including ping
krb5-libs	Shared library linkage	1.8.1	MIT	The shared libraries used by Kerberos 5
less	Standalone apps/ libraries	394	GPLv2	A text file browser similar to more, but better
libacl	OSS Shared library linkage	2.2.39	LGPLv2.1	Dynamic library for access control list support
libattr	OSS Shared library linkage	2.4.32	LGPLv2.1	Dynamic library for extended attribute support
libcurl4	Shared library linkage	7.20.1	MIT	The cURL library
libevent	OSS Shared library linkage	1.1a	GPLv2	Abstract asynchronous event notification library
libgcc	Shared library linkage	4.3.3	LGPLv2	GCC version 4.1 shared support library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libgssapi	OSS Shared library linkage	0.1	BSD-like	Generic Security Services Application Programming Interface Library
libjpeg	OSS Shared library linkage	6b	IJG	A library for manipulating JPEG image format files
libpcap	Shared library linkage	0.9.4	BSD	A system-independent interface for user-level packet capture
libpng	Shared library linkage	1.2.44	OSI Certified (Zlib)	A library of functions for manipulating PNG image format files
libstdc++	Shared library linkage	4.3.3	GPL	GNU Standard C++ Library
libsysfs	OSS Shared library linkage	2.0.0	LGPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
libtecla	Shared library linkage	1.6.1	MIT/X11	The Tecla command-line editing library
libtermcap	Configuration Files	2.0.8	Public Domain	A basic system library for accessing the termcap database
libuser	OSS Shared library linkage	0.54.7	LGPLv2	A user and group account administration library
libvolume_id	OSS Shared library linkage	127	GPLv2	Dynamic libraries to get volume IDs
libxml2	Shared library linkage	2.6.30	MIT	Library providing XML and HTML support
libxml2-python	Standalone apps/ libraries	2.6.30	PSF	Python bindings for the libxml2 library
libxslt	Shared library linkage	1.1.22	MIT	Library providing the GNOME XSLT engine
lockdev	Standalone apps/ libraries	1.0.1	LGPLv2.1	A library for locking devices

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
logrotate	Standalone apps/ libraries	3.7.4	GPLv2	Rotates, compresses, removes and mails system log files
m2crypto	Standalone apps/ libraries	0.16	BSD	Support for using OpenSSL in python scripts
mailx	Standalone apps/ libraries	8.1.1	BSD	The /bin/mail program for sending quick email messages
mdadm		2.6.9	GPL	Linux utility used to manage and monitor software RAID devices
mingetty	Standalone apps/ libraries	1.07	GPLv2	A compact getty program for virtual consoles only
minicom	Standalone apps/ libraries	2.1	GPLv2	A text-based modem control and terminal emulation program
mktemp	Standalone apps/ libraries	1.5	BSD	A small utility for safely making .TMP files
module-init-tools	Standalone apps/ libraries	3.3	GPLv2	Kernel module management utilities
mtdutils		1.0.0	GPL	Memory Technology Device Utilities
ncurses	Shared library linkage	5.5	Distributable	A terminal handling library
net-snmp	Standalone apps/ libraries	5.4.4	BSD	Tools and servers for the SNMP protocol
net-tools	Standalone apps/ libraries	1.6	GPLv2	Basic networking tools
nfs-utils	Standalone apps/ libraries	1.0.9	GPLv2	Network File System (NFS) utilities and supporting clients and daemons for the kernel NFS server

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
nfs-utils-lib	OSS Shared library linkage	1.0.8	GPLv2	Network File System (NFS) Support Library
ntp	Standalone apps/ libraries	4.2.2p1	Distributable	Synchronizes system time using the Network Time Protocol (NTP)
ntp-dp	Standalone apps/ libraries	4.2.2p1	Distributable	Synchronizes system time using the Network Time Protocol (NTP)
openldap	Shared library linkage	2.4.23	OpenLDAP	The configuration files, libraries, and documentation for OpenLDAP
openldap-clients	Standalone apps/ libraries	2.4.23	OpenLDAP	Client programs for OpenLDAP
openssh	Standalone apps/ libraries	5.2p1	BSD	An open source implementation of SSH protocol versions 1 and 2
openssh-clients	Standalone apps/ libraries	5.2p1	BSD	An open source SSH client application
openssh-server	Standalone apps/ libraries	5.2p1	BSD	An open source SSH server daemon
openssl	Shared library linkage	0.9.8p	OpenSSL	A general purpose cryptography library with TLS implementation
pam	Shared library linkage	1.0.2	BSD	A security tool which provides authentication for applications
pam_krb5	Standalone apps/ libraries	2.2.14	MIT	A pluggable authentication module (PAM) for Kerberos 5
pam_ldap	OSS Shared library linkage	1.8.4	LGPLv3	A pluggable authentication module (PAM) for use with LDAP servers

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
panos-release	Base Linux OS version info for our systems	2	GPLv2	PAN-OS Linux release file
passwd	Standalone apps/ libraries	0.73	GPLv2	The passwd utility for setting/changing passwords using PAM
pcre	Shared library linkage	6.6	BSD	Perl-compatible regular expression library
pexpect	OSS libraries in interpreted scripts	2.3	MIT	Pexpect is a Pure Python Expect-like module
php-cli	Standalone apps/ libraries	5.3.9	PHP v3.01	Command-line interface for PHP server-side scripting language
popt	OSS Shared library linkage	1.12	MIT	A C library for parsing command line parameters
portmap	Standalone apps/ libraries	4	BSD	A program which manages remote procedure call (RPC) connections
procps	Standalone apps/ libraries	3.2.7	GPLv2	System and process monitoring utilities
psmisc	Standalone apps/ libraries	22.2	BSD	Utilities for managing processes on your system
python	Standalone apps/ libraries	2.4.3	PSF	An interpreted, interactive, object-oriented programming language
python-bloom	OSS libraries in interpreted scripts	0.1.12	BSD-like	Python implementation of bloom filter
python-elementtree	OSS libraries in interpreted scripts	1.2.6	PSF	Fast XML parser and writer
python-imaging	OSS libraries in interpreted scripts	1.1.5	Distributable	Python's own image processing library
python-sqlite	Shared library linkage	1.1.7	Public Domain	Python bindings for SQLite

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
python-urlgrabber	OSS libraries in interpreted scripts	3.1.0	LGPLv2.1	A high-level cross-protocol URL-grabber
rcs	Standalone apps/ libraries	5.7	GPLv2	Revision control system (RCS) file version management tools
readline	OSS Shared library linkage	5.1	GPLv2	A library for editing typed command lines.
redhat-logos		4.9.8		Red Hat-related icons and pictures
reportlab	OSS libraries in interpreted scripts	2.2	BSD	Python PDF generation library
rootfiles	Standalone apps/ libraries	8.1	Distributable	The basic required files for the root user's directory
rpm	Standalone apps/ libraries	4.4.2	GPLv2	The Route Processing Module (RPM) package management system
rpm-libs	Standalone apps/ libraries	4.4.2	GPLv2	Libraries for manipulating Route Processing Module (RPM) packages
rpm-python	OSS libraries in interpreted scripts	4.4.2	GPLv2	Python bindings for apps which will manipulate Route Processing Module (RPM) packages
scrub	Standalone apps/ libraries	2.1	GPLv2	Disk scrubbing program
sed	Standalone apps/ libraries	4.1.5	GPLv2	A GNU stream text editor
setup		2.5.58	Public Domain	A set of system configuration and setup files
shadow-utils	Standalone apps/ libraries	4.0.17	BSD	Utilities for managing accounts and shadow password files

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
smartmontools	Standalone apps/ libraries	5.39	GPLv2	S.M.A.R.T. utility toolkit
snappy	Shared library linkage	1.0.1	Apache 2.0	High-speed compression and decompression library
sqlite	Shared library linkage	3.6.12	Public Domain	Library that implements an embeddable SQLite in-process database engine
sysfsutils	Standalone apps/ libraries	2.0.0	GPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
sysklogd	Standalone apps/ libraries	1.4.1	GPLv2	System logging and kernel message trapping daemons
tar	Standalone apps/ libraries	1.15.1	GPLv2	A GNU file archiving program
tcpdump	Standalone apps/ libraries	3.9.4	BSD	A network traffic monitoring tool
termcap	Configuration Files	5.5	Public Domain	The terminal feature database used by certain applications
tftp	Standalone apps/ libraries	0.48	BSD	The client for Trivial FTP (TFTP)
tftp-server	Standalone apps/ libraries	0.48	BSD	The server for Trivial FTP (TFTP)
traceroute	Standalone apps/ libraries	2.0.1	GPLv2	Traces the route taken by packets over an IPv4/IPv6 network
tzdata	Configuration files	2011l	Public domain	Time-zone data
udev	Standalone apps/ libraries	127	GPLv2	Device manager for device nodes and user space events (improved functionality over `devfs`)

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
util-linux	Standalone apps/ libraries	2.13	GPLv2	A collection of basic system utilities
vconfig		1.9	GPL	Linux 802.1q VLAN configuration utility
vim-minimal	Standalone apps/ libraries	7.0.109	Charityware	A minimal version of VIsual editor iMproved (VIM)
vixie-cron	Standalone apps/ libraries	4.1	ISC	The Vixie cron daemon for executing scheduled commands
wget	Standalone apps/ libraries	1.12	GPLv3	A utility for retrieving files using the HTTP or FTP protocols
xdelta		1.1.3	GPL	A binary file delta generator and an RCS replacement library
xdelta3	Standalone apps/ libraries	3.0t	GPLv2	A binary file delta generator
xinetd	Standalone apps/ libraries	2.3.14	Distributable	A secure replacement for `inetd`
zlib	Shared library linkage	1.2.3	BSD	The zlib compression and decompression library

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PAN-OS 4.0 OSS Listing

NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
MAKEDEV	Standalone apps/ libraries	3.23	GPLv2	A program used for creating the device files in /dev
SysVinit	Standalone apps/ libraries	2.86	GPLv2	Programs which control basic system processes
appweb		2.4.2		Mbedthis AppWeb -- Embeddable HTTP Web Server
basesystem		8	Public Domain	The skeleton package which defines a simple Red Hat Linux system
bash	Standalone apps/ libraries	3.1	GPLv2	The GNU Bourne Again shell (bash) version 3.1
beecrypt	OSS Shared library linkage	4.1.2	LGPLv2.1	An open source cryptography library
bonnie++	Standalone apps/ libraries	1.03d	GPLv2	A program for benchmarking hard drives and file systems
bzip2	Standalone apps/ libraries	1.0.3	BSD	A file compression utility
bzip2-libs	OSS Shared library linkage	1.0.3	BSD	Libraries for applications using bzip2
chkconfig	Standalone apps/ libraries	1.3.30.1	GPLv2	A system tool for maintaining the /etc/rc*.d hierarchy
coreutils	Standalone apps/ libraries	5.97	GPLv2	The GNU core utilities: a set of tools commonly used in shell scripts
cpio	Standalone apps/ libraries	2.6	GPLv2	A GNU archiving program

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
cpp	Standalone apps/ libraries	4.1.1	GPLv2	The C Preprocessor
cracklib	OSS Shared library linkage	2.8.9	Artistic	A password-checking library
cracklib-dicts	Dictionaries used by cracklib	2.8.9	Artistic	The standard CrackLib password-checking dictionaries
crontabs	Root crontab files, used by system utilities	1.1	Public Domain	Root crontab files used to schedule the execution of programs
curl	Standalone apps/ libraries	7.20.1	MIT	Get and send files to a FTP, HTTP, TFTP, SSH or other servers
dhclient	Standalone apps/ libraries	3.0.5	Distributable	Development headers and libraries for interfacing to the DHCP server
diffutils	Standalone apps/ libraries	2.8.1	GPLv2	A GNU collection of diff utilities
e2fsprogs	Standalone apps/ libraries	1.39	GPLv2	Utilities for managing the second extended (ext2) file system
e2fsprogs-libs	OSS Shared library linkage	1.39	GPLv2	Ext2/3 file-system-specific static libraries and headers
elfutils-libelf	OSS Shared library linkage	0.128	GPLv2	Library to read and write ELF files
ethtool	Standalone apps/ libraries	5	GPLv2	Ethernet settings tool for PCI ethernet cards
expat	OSS Shared library linkage	1.95.8	BSD	A library for parsing XML
file	Standalone apps/ libraries	4.17	Distributable	A utility for determining file types

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
filesystem	Standalone apps/ libraries	2.4.0	Distributable	The basic directory layout for a Linux system
findutils	Standalone apps/ libraries	4.2.27	GPLv2	The GNU versions of find utilities (find and xargs)
fipscheck	Standalone apps/ libraries	1.2.0	FreeBSD	A library for integrity verification of FIPS validated modules
fipscheck-lib	Standalone apps/ libraries	1.2.0	FreeBSD	Library files for fipscheck
flashrom	Standalone apps/ libraries	0.9.4	GPLv2	Flashrom flash utility
gawk	Standalone apps/ libraries	3.1.5	GPLv2	The GNU version of the awk text processing utility
gdb	Standalone apps/ libraries	6.8	GPLv3+	A GNU source-level debugger for C, C++, Java and other languages
glib2	OSS Shared library linkage	2.12.3	LGPLv2	A library of useful utility functions
glibc	Shared library linkage	2.5	LGPLv2	The GNU libc libraries
glibc-common	Shared library linkage	2.5	LGPLv2	Common binaries and locale data for glibc
gmp	OSS Shared library linkage	4.3.1	LGPLv3	A GNU arbitrary precision library
gnupg	Standalone apps/ libraries	1.4.5	GPLv2	A GNU utility for secure communication and data storage
grep	Standalone apps/ libraries	2.5.1	GPLv2	The GNU versions of grep pattern matching utilities
grub	Standalone apps/ libraries	6.0.97	GPL	GRUB - the Grand Unified Boot Loader

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
gzip	Standalone apps/ libraries	1.3.5	GPLv2	The GNU data compression program
inetutils	Standalone apps/ libraries	1.5	GPLv3	Internet utilities
info	Standalone apps/ libraries	4.8	GPLv2	A stand-alone TTY-based reader for GNU Texinfo documentation
initscripts	Standalone apps/ libraries + startup and shutdown scripts	8.45.15	GPLv2	The inittab file and the /etc/ init.d scripts
iproute	Standalone apps/ libraries	2.6.18	GPLv2	Advanced IP routing and network device configuration tools
iptables	Standalone apps/ libraries	1.3.5	GPLv2	Tools for managing Linux kernel packet filtering capabilities
iptables-ipv6	Standalone apps/ libraries	1.3.5	GPLv2	IPv6 support for IP tables
iputils	Standalone apps/ libraries	20020927	GPLv2	Network monitoring tools including ping
krb5-libs	Shared library linkage	1.8.1	MIT	The shared libraries used by Kerberos 5
less	Standalone apps/ libraries	394	GPLv2	A text file browser similar to more, but better
libacl	OSS Shared library linkage	2.2.39	LGPLv2.1	Dynamic library for access control list support
libattr	OSS Shared library linkage	2.4.32	LGPLv2.1	Dynamic library for extended attribute support
libcurl4	Shared library linkage	7.20.1	MIT	The cURL library
libevent	OSS Shared library linkage	1.1a	GPLv2	Abstract asynchronous event notification library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libgcc	Shared library linkage	4.3.3	LGPLv2	GCC version 4.1 shared support library
libgssapi	OSS Shared library linkage	0.1	BSD-like	Generic Security Services Application Programming Interface Library
libjpeg	OSS Shared library linkage	6b	IJG	A library for manipulating JPEG image format files
libpcap	Shared library linkage	0.9.4	BSD	A system-independent interface for user-level packet capture
libstdc++	Shared library linkage	4.3.3	GPL	GNU Standard C++ Library
libsysfs	OSS Shared library linkage	2.0.0	LGPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
libtecla	Shared library linkage	1.6.1	MIT/X11	The Tecla command-line editing library
libtermcap	Configuration Files	2.0.8	Public Domain	A basic system library for accessing the termcap database
libuser	OSS Shared library linkage	0.54.7	LGPLv2	A user and group account administration library
libvolume_id	OSS Shared library linkage	127	GPLv2	Dynamic libraries to get volume IDs
libxml2	Shared library linkage	2.6.30	MIT	Library providing XML and HTML support
libxml2-python	Standalone apps/ libraries	2.6.30	PSF	Python bindings for the libxml2 library
libxslt	Shared library linkage	1.1.22	MIT	Library providing the GNOME XSLT engine
lockdev	Standalone apps/ libraries	1.0.1	LGPLv2.1	A library for locking devices

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
logrotate	Standalone apps/ libraries	3.7.4	GPLv2	Rotates, compresses, removes and mails system log files
m2crypto	Standalone apps/ libraries	0.16	BSD	Support for using OpenSSL in python scripts
mailx	Standalone apps/ libraries	8.1.1	BSD	The /bin/mail program for sending quick email messages
mdadm		2.6.9	GPL	Linux utility used to manage and monitor software RAID devices
mingetty	Standalone apps/ libraries	1.07	GPLv2	A compact getty program for virtual consoles only
minicom	Standalone apps/ libraries	2.1	GPLv2	A text-based modem control and terminal emulation program
mktemp	Standalone apps/ libraries	1.5	BSD	A small utility for safely making .TMP files
module-init-tools	Standalone apps/ libraries	3.3	GPLv2	Kernel module management utilities
mtdutils		1.0.0	GPL	Memory Technology Device Utilities
ncurses	Shared library linkage	5.5	Distributable	A terminal handling library
net-snmp	Standalone apps/ libraries	5.4.4	BSD	Tools and servers for the SNMP protocol
net-tools	Standalone apps/ libraries	1.6	GPLv2	Basic networking tools
nfs-utils	Standalone apps/ libraries	1.0.9	GPLv2	Network File System (NFS) utilities and supporting clients and daemons for the kernel NFS server

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
nfs-utils-lib	OSS Shared library linkage	1.0.8	GPLv2	Network File System (NFS) Support Library
ntp	Standalone apps/ libraries	4.2.2p1	Distributable	Synchronizes system time using the Network Time Protocol (NTP)
ntp-dp	Standalone apps/ libraries	4.2.2p1	Distributable	Synchronizes system time using the Network Time Protocol (NTP)
openldap	Shared library linkage	2.4.12	OpenLDAP	The configuration files, libraries, and documentation for OpenLDAP
openssh	Standalone apps/ libraries	5.2p1	BSD	An open source implementation of SSH protocol versions 1 and 2
openssh-clients	Standalone apps/ libraries	5.2p1	BSD	An open source SSH client application
openssh-server	Standalone apps/ libraries	5.2p1	BSD	An open source SSH server daemon
openssl	Shared library linkage	0.9.8p	OpenSSL	A general purpose cryptography library with TLS implementation
pam	Shared library linkage	1.0.2	BSD	A security tool which provides authentication for applications
pam_krb5	Standalone apps/ libraries	2.2.14	MIT	A pluggable authentication module (PAM) for Kerberos 5
pam_ldap	OSS Shared library linkage	1.8.4	LGPLv3	A pluggable authentication module (PAM) for use with LDAP servers
panos-release	Base Linux OS version info for our systems	2	GPLv2	PAN-OS Linux release file

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
passwd	Standalone apps/ libraries	0.73	GPLv2	The passwd utility for setting/changing passwords using PAM
pcre	Shared library linkage	6.6	BSD	Perl-compatible regular expression library
pexpect	OSS libraries in interpreted scripts	2.3	MIT	Pexpect is a Pure Python Expect-like module
php-cli	Standalone apps/ libraries	5.3.2	PHP v3.01	Command-line interface for PHP server-side scripting language
popt	OSS Shared library linkage	1.12	MIT	A C library for parsing command line parameters
portmap	Standalone apps/ libraries	4	BSD	A program which manages remote procedure call (RPC) connections
procps	Standalone apps/ libraries	3.2.7	GPLv2	System and process monitoring utilities
psmisc	Standalone apps/ libraries	22.2	BSD	Utilities for managing processes on your system
python	Standalone apps/ libraries	2.4.3	PSF	An interpreted, interactive, object-oriented programming language
python-bloom	OSS libraries in interpreted scripts	0.1.12	BSD-like	Python implementation of bloom filter
python-elementtree	OSS libraries in interpreted scripts	1.2.6	PSF	Fast XML parser and writer
python-imaging	OSS libraries in interpreted scripts	1.1.5	Distributable	Python's own image processing library
python-sqlite	Shared library linkage	1.1.7	Public Domain	Python bindings for SQLite
python-urlgrabber	OSS libraries in interpreted scripts	3.1.0	LGPLv2.1	A high-level cross-protocol URL-grabber

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
rcs	Standalone apps/ libraries	5.7	GPLv2	Revision control system (RCS) file version management tools
readline	OSS Shared library linkage	5.1	GPLv2	A library for editing typed command lines
redhat-logos		4.9.8		Red Hat-related icons and pictures
reportlab	OSS libraries in interpreted scripts	2.2	BSD	Python PDF generation library
rootfiles	Standalone apps/ libraries	8.1	Distributable	The basic required files for the root user's directory
rpm	Standalone apps/ libraries	4.4.2	GPLv2	The Route Processing Module (RPM) package management system
rpm-libs	Standalone apps/ libraries	4.4.2	GPLv2	Libraries for manipulating Route Processing Module (RPM) packages
rpm-python	OSS libraries in interpreted scripts	4.4.2	GPLv2	Python bindings for apps which will manipulate Route Processing Module (RPM) packages
scrub	Standalone apps/ libraries	2.1	GPLv2	Disk scrubbing program
sed	Standalone apps/ libraries	4.1.5	GPLv2	A GNU stream text editor
setup		2.5.58	Public Domain	A set of system configuration and setup files
shadow-utils	Standalone apps/ libraries	4.0.17	BSD	Utilities for managing accounts and shadow password files
smartmontools	Standalone apps/ libraries	5.39	GPLv2	S.M.A.R.T. utility toolkit

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
sqlite	Shared library linkage	3.6.12	Public Domain	Library that implements an embeddable SQLite in-process database engine
sysfsutils	Standalone apps/ libraries	2.0.0	GPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
sysklogd	Standalone apps/ libraries	1.4.1	GPLv2	System logging and kernel message trapping daemons
tar	Standalone apps/ libraries	1.15.1	GPLv2	A GNU file archiving program
tcpdump	Standalone apps/ libraries	3.9.4	BSD	A network traffic monitoring tool
termcap	Configuration Files	5.5	Public Domain	The terminal feature database used by certain applications
tftp	Standalone apps/ libraries	0.48	BSD	The client for Trivial FTP (TFTP)
tftp-server	Standalone apps/ libraries	0.48	BSD	The server for Trivial FTP (TFTP)
traceroute	Standalone apps/ libraries	2.0.1	GPLv2	Traces the route taken by packets over an IPv4/IPv6 network
tzdata	Configuration files	2009u	Public domain	Time-zone data
udev	Standalone apps/ libraries	127	GPLv2	Device manager for device nodes and user space events (improved functionality over `devfs`)
util-linux	Standalone apps/ libraries	2.13	GPLv2	A collection of basic system utilities
vconfig		1.9	GPL	Linux 802.1q VLAN configuration utility

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
vim-minimal	Standalone apps/ libraries	7.0.109	Charityware	A minimal version of VIsual editor iMproved (VIM)
vixie-cron	Standalone apps/ libraries	4.1	ISC	The Vixie cron daemon for executing scheduled commands
wget	Standalone apps/ libraries	1.12	GPLv3	A utility for retrieving files using the HTTP or FTP protocols
xdelta		1.1.3	GPL	A binary file delta generator and an RCS replacement library
xdelta3	Standalone apps/ libraries	3.0t	GPLv2	A binary file delta generator
xinetd	Standalone apps/ libraries	2.3.14	Distributable	A secure replacement for `inetd`
zlib	Shared library linkage	1.2.3	BSD	The zlib compression and decompression library

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CN-Series OSS Listings

The following sections display Open-Source Software (OSS) licenses specific to each feature release of CN-Series firewall software.

These listings capture the component versions found in the most recent maintenance release of each software version. Whenever possible, Palo Alto Networks recommends that you upgrade to the latest maintenance release for the version you are running on your appliances because each maintenance release contains additional enhancements and bug fixes as well updates that address security vulnerabilities. If you are not able to upgrade to the latest version, you should consult the PAN-OS release notes for the version you are running to determine whether there are component updates in later versions.

- CN-Series 11.2 OSS Listing
- CN-Series 11.1 OSS Listing
- CN-Series 11.0 OSS Listing
- CN-Series 10.2 OSS Listing
- CN-Series 10.1 OSS Listing
- CN-Series 10.0 OSS Listing

CN-Series 11.2 OSS Listing

The following open-source software (OSS) licenses are used in at least one of the CN-Series firewall products: CN-MGMT, CN-NGFW, CN-MGMT, and CNI. Each OSS license in this list specifies the software component name, version, and license type as well as where the component is used.

NAME	VERSION	LICENSE TYPE
acl	2.2.53	GPLv2+
acpid	2.0.30	GPLv2+
apr	1.6.3	ASL 2.0 and BSD with advertising and ISC and BSD
apr-util	1.6.1	ASL 2.0
audit	3	GPLv2+
audit-libs	3	LGPLv2+
basesystem	11	Public Domain
bash	4.4.19	GPLv3+
beecrypt	4.2.1	LGPLv2+
binutils	2.3	GPLv3+
bonnie++	1.98	GPLv2
brotli	1.0.6	MIT
bzip2	1.0.6	BSD
bzip2-libs	1.0.6	BSD
c-ares	1.13.0	MIT
chicken	3.0.0	BSD
chkconfig	1.13	GPLv2
cjose	0.6.1	MIT
cjson	1	MIT and ASL 2.0

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NAME	VERSION	LICENSE TYPE
coreutils	8.3	GPLv3+
coreutils-common	8.3	GPLv3+
cpio	2.12	GPLv3+
cpp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
cracklib	2.9.6	LGPLv2+
cracklib-dicts	2.9.6	LGPLv2+
crontabs	1.11	Public Domain and GPLv2
crypto-policies	20200713	LGPLv2+
crypto-policies-scripts	20200713	LGPLv2+
CUnit	2.1.3	LGPLv2+
curl-minimal	7.61.1	MIT
dejavu-fonts-common	2.35	Bitstream Vera and Public Domain
dejavu-sans-fonts	2.35	Bitstream Vera and Public Domain
device-mapper	1.02.171	GPLv2
device-mapper-libs	1.02.171	LGPLv2
diffutils	3.6	GPLv3+
dmidecode	3.2	GPLv2+
dpdk-vm	22.11.5	BSD and LGPLv2 and GPLv2
dracut	49	GPLv2+ and LGPLv2+
e2fsprogs	1.45.6	GPLv2
e2fsprogs-libs	1.45.6	GPLv2 and LGPLv2
elfutils-default-yama-scope	0.18	GPLv2+ or LGPLv3+
elfutils-libelf	0.18	GPLv2+ or LGPLv3+

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NAME	VERSION	LICENSE TYPE
elfutils-libs	0.18	GPLv2+ or LGPLv3+
etcd3	0.12.0	Apache Software License 2.0
ethtool	5	GPLv2
eventlog	0.2.12	BSD-like
expat	2.2.5	MIT
fastlz	0.1.0	MIT
file	5.33	BSD
file-libs	5.33	BSD
filesystem	3.8	Public Domain
findutils	4.6.0	GPLv3+
fipscheck	1.5.0	BSD
fipscheck-lib	1.5.0	BSD
flatcc	0.6.1	Apache License Version 2.0
fontpackages-filesystem	1.44	Public Domain
fping	4.2	BSD with advertising
frr	8.4_dpd	GPLv2+
fuse	2.9.7	GPL+
fuse-common	3.2.1	GPL+
fuse-libs	2.9.7	LGPLv2+
gawk	4.2.1	GPLv3+ and GPLv2+ and LGPLv2+ and BSD
gc	7.6.4	BSD
gdb	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL + and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL

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NAME	VERSION	LICENSE TYPE
gdb-headless	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL + and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdbm	1.18	GPLv3+
gdbm-libs	1.18	GPLv3+
glib2	2.56.4	LGPLv2+
glibc	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-common	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-langpack-en	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
gmp	6.1.2	LGPLv3+ or GPLv2+
gnupg2	2.2.20	GPLv3+
gnutls	3.6.16	GPLv3+ and LGPLv2+
google-api-python-client	1.12.8	Apache 2.0
google-auth	1.26.1	Apache 2.0
google-auth-httplib2	0.0.4	Apache 2.0
google-cloud-core	1.6.0	Apache 2.0
google-cloud-monitoring	2.0.0	Apache 2.0
google-cloud-storage	1.36.0	Apache 2.0
googleapis-common-protos	1.52.0	Apache-2.0
gperftools-devel	2.4	BSD

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NAME	VERSION	LICENSE TYPE
gperftools-libs	2.4	BSD
gpgme	1.13.1	LGPLv2+
grep	3.1	GPLv3+
grpc	v1.30.0	GPLv2
gsoap	2.8.6	gsoap
guile	2.0.14	LGPLv3+
gzip	1.9	GPLv3+ and GFDL
hiredis	1.0.2	BSD
hostname	3.2	GPLv2+
httpd	2.4.37	ASL 2.0
httpd-filesystem	2.4.37	ASL 2.0
httpd-tools	2.4.37	ASL 2.0
hwdata	0.314	GPLv2+
hyperscan	4.2.0	BSD License
ima-evm-utils	1.1	GPLv2
info	6.5	GPLv3+
initscripts	8.45.17	GPL
inotify-tools	3.14	GPLv2
intel-ipsec-mb	1.3.0	BSD
intel-ipsec-mb-devel	1.3.0	BSD
iproute	5.3.0	GPLv2+ and Public Domain
iptables	1.8.4	GPLv2 and Artistic 2.0 and ISC
iptables-libs	1.8.4	GPLv2 and Artistic 2.0 and ISC
iptables-utils	1.8.4	GPLv2 and Artistic 2.0 and ISC

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NAME	VERSION	LICENSE TYPE
iputils	20180629	BSD and GPLv2+
ivykis	0.42.4	LGPLv2+
jansson	2.11	MIT
json-c	0.13.1	MIT
keyutils	1.5.10	GPLv2+ and LGPLv2+
keyutils-libs	1.5.10	GPLv2+ and LGPLv2+
kmod	25	GPLv2+
kmod-libs	25	LGPLv2+
krb5-libs	1.18.2	MIT
krb5-workstation	1.18.2	MIT
less	530	GPLv3+ or BSD
libacl	2.2.53	LGPLv2+
libamqp	1.0.0	MIT
libarchive	3.3.2	BSD
libassuan	2.5.1	LGPLv2+ and GPLv3+
libatomic_ops	7.6.2	GPLv2 and MIT
libattr	2.4.48	LGPLv2+
libbabeltrace	1.5.4	MIT and GPLv2
libblkid	2.32.1	LGPLv2+
libbpf	0.2.0	BSD 2-clause GNU LGPL v2.1
libbson	1.17.6	ASL 2.0 and ISC and MIT and zlib
libcap	2.48	BSD or GPLv2
libcap-ng	0.7.9	LGPLv2+
libcom_err	1.45.6	MIT

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NAME	VERSION	LICENSE TYPE
libcurl-minimal	7.61.1	MIT
libdb	5.3.28	BSD and LGPLv2 and Sleepycat
libdb-utils	5.3.28	BSD and LGPLv2 and Sleepycat
libdrng	1.0.4	Intel (3-clause BSD)
libedit	3.1	BSD
libedit1	2.11	libedit
libevent	2.1.8	BSD and ISC
libfdisk	2.32.1	LGPLv2+
libffi	3.1	MIT
libgcc	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgcrypt	1.8.5	LGPLv2+
libgomp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgpg-error	1.31	LGPLv2+
libibverbs	29	GPLv2 or BSD
libicu	60.3	MIT and UCD and Public Domain
libidn	1.34	LGPLv2+ and GPLv3+ and GFDL
libidn2	2.2.0	(GPLv2+ or LGPLv3+) and GPLv3+
libipt	1.6.1	BSD
libkadm5	1.18.2	MIT
libksba	1.3.5	(LGPLv3+ or GPLv2+) and GPLv3+
liblog4shib2	2.0.0	LGPL
libmcrypt	2.5.8	LGPLv2+

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NAME	VERSION	LICENSE TYPE
libmetalink	0.1.3	MIT
libmnl	1.0.4	LGPLv2+
libmongocrypt	1.2.0	ASL 2.0 and ISC
libmount	2.32.1	LGPLv2+
libmpc	1.0.2	LGPLv3+ and GFDL
libnet	1.1.6	BSD
libnetfilter_conntrack	1.0.6	GPLv2+
libnfnetlink	1.0.1	GPLv2+
libnfsidmap	2.3.3	BSD
libnftnl	1.1.5	GPLv2+
libnghttp2	1.33.0	MIT
libnl3	3.5.0	LGPLv2
libnsl	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
libnsl2	1.2.0	BSD and LGPLv2+
liboqs	0.9.2	MIT
libpcap	1.9.1	BSD with advertising
libpkgconf	1.4.2	ISC
libpsl	0.20.2	MIT
libpwquality	1.4.0	BSD or GPLv2+
libradius	1	libradius
libsaml12	3.2.0	Apache-2.0
libseccomp	2.4.3	LGPLv2
libsecret	0.18.6	LGPLv2+

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NAME	VERSION	LICENSE TYPE
libselinux	2.9	Public Domain
libselinux-utils	2.9	Public Domain
libsemanage	2.9	LGPLv2+
libsepol	2.9	LGPLv2+
libsigsegv	2.11	GPLv2+
libsmartcols	2.32.1	LGPLv2+
libss	1.45.6	MIT
libstdc++	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libsysfs	2.1.0	LGPLv2+
libtasn1	4.13	GPLv3+ and LGPLv2+
libtecla	1.6.1	X11
libtirpc	1.1.4	SISSL and BSD
libtool-ltdl	2.4.6	LGPLv2+
libunistring	0.9.9	GPLv2+ or LGPLv3+
libunwind	1.3.1	BSD
libusbx	1.0.23	LGPLv2+
libuser	0.62	LGPLv2+
libuuid	2.32.1	BSD
libverto	0.3.0	MIT
libvolume_id	127	GPLv2
libwsman1	2.6.5	BSD
libxcrypt	4.1.1	LGPLv2+ and BSD and Public Domain
libxerces-c-3_2	3.2.3	Apache

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NAME	VERSION	LICENSE TYPE
libxml-security-c20	2.0.2	Apache 2.0
libxml2	2.9.7	MIT
libxmltooling10	3.2.0	Apache-2.0
libxslt	1.1.32	MIT
libyaml	0.1.7	MIT
libyang	2.1.128	BSD
libzip	1.6.1	BSD
libzstd	1.4.4	BSD and GPLv2
lm_sensors	3.4.0	GPLv2+ and Verbatim and MIT
lm_sensors-libs	3.4.0	LGPLv2+
lmdb-libs	0.9.24	OpenLDAP
lockdev	1.0.4	LGPLv2
logrotate	3.14.0	GPLv2+
lsof	4.93.2	zlib and Sendmail and LGPLv2+
lua	5.3.4	MIT
lua-libs	5.3.4	MIT
lz4-libs	1.8.3	GPLv2+ and BSD
lzo	2.08	GPLv2+
mailx	12.5	BSD with advertising and MPLv1.1
MAKEDEV	3.23	GPL
mariadb-connector-c	3.1.11	LGPLv2+
mariadb-connector-c-config	3.1.11	LGPLv2+
mcelog	194	GPLv2
mingetty	1.07	GPL

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NAME	VERSION	LICENSE TYPE
mongo	1	metaswitch
mongo-c-driver-libs	1.17.6	ASL 2.0 and ISC and MIT and zlib
mpfr	3.1.6	LGPLv3+ and GPLv3+ and GFDL
ms2frr	11.0.828	(NetDEF)
ncurses	6.1	MIT
ncurses-base	6.1	MIT
ncurses-libs	6.1	MIT
ncurses-term	6.1	MIT
net-snmp	5.8	BSD
net-snmp-agent-libs	5.8	BSD
net-snmp-libs	5.8	BSD
net-snmp-utils	5.8	BSD
net-tools	2	GPLv2+
nettle	3.4.1	LGPLv3+ or GPLv2+
nfs-utils	2.3.3	MIT and GPLv2 and GPLv2+ and BSD
nginx-bin	1.20.1	BSD
nginx-filesystem	1.20.1	BSD
npth	1.5	LGPLv2+
nspr	4.35.0	MPLv2.0
nss	3.90.0	MPLv2.0
nss-pam-ldapd	0.9.9	LGPLv2+
nss-softokn	3.90.0	MPLv2.0
nss-softokn-freebl	3.90.0	MPLv2.0
nss-sysinit	3.90.0	MPLv2.0

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NAME	VERSION	LICENSE TYPE
nss-tools	3.90.0	MPLv2.0
nss-util	3.90.0	MPLv2.0
ntfs-3g	2017.3.23	GPLv2+
ntfsprogs	2017.3.23	GPLv2+
ntp	4.2.8p15	MIT and BSD and BSD with advertising
ntpdate	4.2.8p15	MIT and BSD and BSD with advertising
ntpstat	0.5	MIT
numactl-libs	2.0.12	LGPLv2 and GPLv2
oniguruma5php	6.9.7.1	BSD
open-vm-tools	12.1.0	GPLv2
openldap	2.4.46	OpenLDAP
openldap-clients	2.4.46	OpenLDAP
opensaml-schemas	3.2.0	Apache-2.0
openssh	8.0p1	BSD
openssh-clients	8.0p1	BSD
openssh-server	8.0p1	BSD
openssl	1.1.1g	OpenSSL and ASL 2.0
openssl-dpt13	1.1.1a	OpenSSL
openssl-libs	1.1.1g	OpenSSL and ASL 2.0
openwsman-client	2.6.5	BSD
openwsman-server	2.6.5	BSD
p11-kit	0.23.22	BSD
p11-kit-trust	0.23.22	BSD
pam	1.3.1	BSD and GPLv2+

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NAME	VERSION	LICENSE TYPE
pam_krb5	2.4.8	BSD or LGPLv2+
panos-release	8.3	GPLv2
parted	3.2	GPLv3+
passwd	0.8	BSD or GPL+
pciutils	3.6.4	GPLv2+
pciutils-libs	3.6.4	GPLv2+
pcre	8.42	BSD
pcre2	10.32	BSD
php	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-bcmath	7.4.33	PHP and LGPLv2+
php-cli	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA and PostgreSQL
php-common	7.4.33	PHP and BSD
php-fpm	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-gmp	7.4.33	PHP
php-json	7.4.33	PHP
php-mbstring	7.4.33	PHP and LGPLv2 and OpenLDAP
php-mysqlnd	7.4.33	PHP
php-pdo	7.4.33	PHP
php-pecl-mongodb	1.9.1	ASL 2.0
php-xml	7.4.33	PHP
pinentry	1.1.0	GPLv2+
pkgconf	1.4.2	ISC
pkgconf-m4	1.4.2	GPLv2+ with exceptions

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NAME	VERSION	LICENSE TYPE
pkgconf-pkg-config	1.4.2	ISC
platform-python	3.6.8	Python
platform-python-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
platform-python-setuptools	39.2.0	MIT
policycoreutils	2.9	GPLv2
popt	1.16	MIT
pprof	2.4	BSD
procps-ng	3.3.15	GPL+ and GPLv2 and GPLv2+ and GPLv3+ and LGPLv2+
protobuf	3.5.0	BSD
psmisc	23.1	GPLv2+
pth	2.0.7	LGPLv2+
publicsuffix-list-dafsa	20180723	MPLv2.0
pybloomfiltermmap3	0.4.15	MIT License
pycrypto	2.6.1	Public Domain
python-collectd-cloudwatch	0.0.2	MIT
python-libevent	0.9.2	LGPL
python3-asn1crypto	0.24.0	MIT
python3-audit	3	LGPLv2+
python3-bloom	0.10.0	BSD
python3-boto3	1.15.15	ASL 2.0
python3-botocore	1.18.15	ASL 2.0
python3-bson	3.7.0	ASL 2.0 and MIT

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NAME	VERSION	LICENSE TYPE
python3-catkin_pkg	0.4.23	BSD
python3-cffi	1.11.5	MIT
python3-chardet	3.0.4	LGPLv2
python3-cryptography	3.2.1	ASL 2.0 or BSD
python3-dateutil	2.6.1	BSD
python3-distro	1.4.0	ASL 2.0
python3-docutils	0.14	Public Domain and BSD and Python and GPLv3+
python3-empy	3.3.4	LGPLv2+
python3-fasteners	0.14.1	ASL 2.0
python3-httplib2	0.10.3	MIT
python3-idna	2.5	BSD and Python and Unicode
python3-jmespath	0.9.0	MIT
python3-libs	3.6.8	Python
python3-libxml2	2.9.7	MIT
python3-m2crypto	0.35.2	MIT
python3-monotonic	1.5	ASL 2.0
python3-oauth2client	4.1.3	ASL 2.0
python3-pexpect	4.3.1	MIT
python3-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
python3-pip-wheel	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
python3-ply	3.9	BSD
python3-psutil	5.6.4	BSD

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NAME	VERSION	LICENSE TYPE
python3-ptyprocess	0.5.2	ISC
python3-pyasn1	0.3.7	BSD
python3-pyasn1-modules	0.3.7	BSD
python3-pycparser	2.14	BSD
python3-pycurl	7.43.0.2	LGPLv2+ or MIT
python3-pymongo	3.7.0	ASL 2.0 and MIT
python3-pyOpenSSL	18.0.0	ASL 2.0
python3-pyparsing	2.1.10	MIT
python3-pypdf2	1.26.0	BSD
python3-pytz	2019.3	MIT
python3-pyyaml	3.12	MIT
python3-requests	2.20.0	ASL 2.0
python3-rosdep	0.19.0	BSD
python3-rosdistro	0.8.3	BSD and MIT
python3-rospkg	1.2.8	BSD
python3-rpm	4.14.3	GPLv2+
python3-s3transfer	0.3.4	ASL 2.0
python3-setuptools	39.2.0	MIT
python3-setuptools-wheel	39.2.0	MIT
python3-six	1.11.0	MIT
python3-uritemplate	3.0.0	BSD
python3-urlgrabber	4.1.0	LGPLv2+
python3-urllib3	1.24.2	MIT
python3-vcstools	0.1.42	BSD

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NAME	VERSION	LICENSE TYPE
python36	3.6.8	Python
quota	4.04	BSD and GPLv2 and GPLv2+
quota-nls	4.04	BSD and LGPLv2+ and GPLv2 and GPLv2+
rcs	5.10.0	GPLv3+
rdma-core	29	GPLv2 or BSD
readline	7	GPLv3+
redis	6.2.6	BSD and MIT
rootfiles	8.1	Public Domain
rpcbind	1.2.5	BSD
rpm	4.14.3	GPLv2+
rpm-build-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rpm-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rsa	4.8	Apache License Version 2.0
rsync	3.1.3	GPLv3+
scrub	2.5.2	GPLv2+
sed	4.5	GPLv3+
setup	2.12.2	Public Domain
shadow-utils	4.6	BSD and GPLv2+
smartmontools	7.1	GPLv2+
snappy	1.1.8	BSD
sqlite	3.26.0	Public Domain
sqlite-libs	3.26.0	Public Domain
sscep	0.9.0	BSD
sshpass	1.06	GPLv2

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NAME	VERSION	LICENSE TYPE
strongswan	5.9.3	GPLv2+
sysfsutils	2.1.0	GPLv2
syslog-ng	3.29.1	GPLv2+
sysstat	11.7.3	GPLv2+
SysVinit	2.86	GPL
tacacs	1	metaswitch
tar	1.3	GPLv3+
tcp_wrappers	7.6	BSD
tcp_wrappers-libs	7.6	BSD
tcpdump	4.9.3	BSD with advertising
tecla	1.6.3	X11
tenacity	6.3.1	Apache 2.0
tftp	5.2	BSD
timedatex	0.5	GPLv2+
traceroute	2.1.0	GPLv2+
trousers	0.3.15	BSD
trousers-lib	0.3.15	BSD
tzdata	2023c	Public Domain
udev	127	GPLv2
ustr	1.0.4	MIT or LGPLv2+ or BSD
util-linux	2.32.1	GPLv2 and GPLv2+ and LGPLv2+ and BSD with advertising and Public Domain
util-linux-user	2.32.1	GPLv2
vconfig	1.9	GPL
vim-minimal	8.0.1763	Vim and MIT

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NAME	VERSION	LICENSE TYPE
virt-what	1.18	GPLv2+
vixie-cron	4.1	distributable
waofflinevmod	4.3.3.501	OPSWAT
wget	1.19.5	GPLv3+
which	2.21	GPLv3
wmi	1.3.13	GNU GPL Version 2
wpaeapol	2.9	BSD
xdelta	3.1.0	ASL 2.0
xe-guest-utilities-latest	7.21.0	BSD
xinetd	2.3.15	xinetd
xmlsec1	1.2.25	MIT
xmlsec1-openssl	1.2.25	MIT
xmltodict	0.12.0	MIT
xmltooling-schemas	3.2.0	Apache-2.0
xz	5.2.4	GPLv2+ and Public Domain
xz-libs	5.2.4	Public Domain
zlib	1.2.11	zlib and Boost

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CN-Series 11.1 OSS Listing

The following open-source software (OSS) licenses are used in at least one of the CN-Series firewall products: CN-MGMT, CN-NGFW, CN-MGMT, and CNI. Each OSS license in this list specifies the software component name, version, and license type as well as where the component is used.

NAME	VERSION	LICENSE TYPE
acl	2.2.53	GPLv2+
acpid	2.0.30	GPLv2+
apr	1.6.3	ASL 2.0 and BSD with advertising and ISC and BSD
apr-util	1.6.1	ASL 2.0
audit	3	GPLv2+
audit-libs	3	LGPLv2+
basesystem	11	Public Domain
bash	4.4.19	GPLv3+
beecrypt	4.2.1	LGPLv2+
bind-libs	9.11.36	MPLv2.0
bind-libs-lite	9.11.36	MPLv2.0
binutils	2.3	GPLv3+
bonnie++	1.98	GPLv2
brotli	1.0.6	MIT
bzip2	1.0.6	BSD
bzip2-libs	1.0.6	BSD
c-ares	1.13.0	MIT
chicken	3.0.0	BSD
chkconfig	1.13	GPLv2

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NAME	VERSION	LICENSE TYPE
cjose	0.6.1	MIT
cjson	1	MIT and ASL 2.0
coreutils	8.3	GPLv3+
coreutils-common	8.3	GPLv3+
cpio	2.12	GPLv3+
cpp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
cracklib	2.9.6	LGPLv2+
cracklib-dicts	2.9.6	LGPLv2+
crontabs	1.11	Public Domain and GPLv2
crypto-policies	20200713	LGPLv2+
crypto-policies-scripts	20200713	LGPLv2+
CUnit	2.1.3	LGPLv2+
curl-minimal	7.61.1	MIT
dejavu-fonts-common	2.35	Bitstream Vera and Public Domain
dejavu-sans-fonts	2.35	Bitstream Vera and Public Domain
device-mapper	1.02.171	GPLv2
device-mapper-libs	1.02.171	LGPLv2
diffutils	3.6	GPLv3+
dmidecode	3.2	GPLv2+
dpdk-vm	22.11.5	BSD and LGPLv2 and GPLv2
dracut	49	GPLv2+ and LGPLv2+
e2fsprogs	1.45.6	GPLv2
e2fsprogs-libs	1.45.6	GPLv2 and LGPLv2

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NAME	VERSION	LICENSE TYPE
elfutils-default-yama-scope	0.18	GPLv2+ or LGPLv3+
elfutils-libelf	0.18	GPLv2+ or LGPLv3+
elfutils-libs	0.18	GPLv2+ or LGPLv3+
etcd3	0.12.0	Apache Software License 2.0
ethtool	5	GPLv2
eventlog	0.2.12	BSD-like
expat	2.2.5	MIT
fastlz	0.1.0	MIT
file	5.33	BSD
file-libs	5.33	BSD
filesystem	3.8	Public Domain
findutils	4.6.0	GPLv3+
fipscheck	1.5.0	BSD
fipscheck-lib	1.5.0	BSD
flatcc	0.6.1	Apache License Version 2.0
fontpackages-filesystem	1.44	Public Domain
fping	4.2	BSD with advertising
frr	8.0_dpd	GPLv2+
fuse	2.9.7	GPL+
fuse-common	3.2.1	GPL+
fuse-libs	2.9.7	LGPLv2+
gawk	4.2.1	GPLv3+ and GPLv2+ and LGPLv2+ and BSD
gc	7.6.4	BSD
gdb	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL

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NAME	VERSION	LICENSE TYPE
		+ and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdb-headless	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL + and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdbm	1.18	GPLv3+
gdbm-libs	1.18	GPLv3+
glib2	2.56.4	LGPLv2+
glibc	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-common	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-langpack-en	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
gmp	6.1.2	LGPLv3+ or GPLv2+
gnupg2	2.2.20	GPLv3+
gnutls	3.6.16	GPLv3+ and LGPLv2+
google-api-python-client	1.12.8	Apache 2.0
google-auth	1.26.1	Apache 2.0
google-auth-httplib2	0.0.4	Apache 2.0
google-cloud-core	1.6.0	Apache 2.0
google-cloud-monitoring	2.0.0	Apache 2.0
google-cloud-storage	1.36.0	Apache 2.0
googleapis-common-protos	1.52.0	Apache-2.0

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NAME	VERSION	LICENSE TYPE
gperftools-devel	2.4	BSD
gperftools-libs	2.4	BSD
gpgme	1.13.1	LGPLv2+
grep	3.1	GPLv3+
grpc	v1.30.0	GPLv2
gsoap	2.8.6	gsoap
guile	2.0.14	LGPLv3+
gzip	1.9	GPLv3+ and GFDL
hiredis	1.0.2	BSD
hostname	3.2	GPLv2+
httpd	2.4.37	ASL 2.0
httpd-filesystem	2.4.37	ASL 2.0
httpd-tools	2.4.37	ASL 2.0
hwdata	0.314	GPLv2+
hyperscan	4.2.0	BSD License
ima-evm-utils	1.1	GPLv2
info	6.5	GPLv3+
initscripts	8.45.17	GPL
inotify-tools	3.14	GPLv2
intel-ipsec-mb	1.3.0	BSD
intel-ipsec-mb-devel	1.3.0	BSD
iproute	5.3.0	GPLv2+ and Public Domain
iptables	1.8.4	GPLv2 and Artistic 2.0 and ISC
iptables-libs	1.8.4	GPLv2 and Artistic 2.0 and ISC

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NAME	VERSION	LICENSE TYPE
iptables-utils	1.8.4	GPLv2 and Artistic 2.0 and ISC
iputils	20180629	BSD and GPLv2+
ivykis	0.42.4	LGPLv2+
jansson	2.11	MIT
json-c	0.13.1	MIT
keyutils	1.5.10	GPLv2+ and LGPLv2+
keyutils-libs	1.5.10	GPLv2+ and LGPLv2+
kmod	25	GPLv2+
kmod-libs	25	LGPLv2+
krb5-libs	1.18.2	MIT
krb5-workstation	1.18.2	MIT
less	530	GPLv3+ or BSD
libacl	2.2.53	LGPLv2+
libamqp	1.0.0	MIT
libarchive	3.3.2	BSD
libassuan	2.5.1	LGPLv2+ and GPLv3+
libatomic_ops	7.6.2	GPLv2 and MIT
libattr	2.4.48	LGPLv2+
libbabeltrace	1.5.4	MIT and GPLv2
libblkid	2.32.1	LGPLv2+
libbpf	0.2.0	BSD 2-clause GNU LGPL v2.1
libbson	1.17.6	ASL 2.0 and ISC and MIT and zlib
libcap	2.48	BSD or GPLv2
libcap-ng	0.7.9	LGPLv2+

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NAME	VERSION	LICENSE TYPE
libcom_err	1.45.6	MIT
libcurl-minimal	7.61.1	MIT
libdb	5.3.28	BSD and LGPLv2 and Sleepycat
libdb-utils	5.3.28	BSD and LGPLv2 and Sleepycat
libdrng	1.0.4	Intel (3-clause BSD)
libedit	3.1	BSD
libedit1	2.11	libedit
libevent	2.1.8	BSD and ISC
libfdisk	2.32.1	LGPLv2+
libffi	3.1	MIT
libgcc	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgcrypt	1.8.5	LGPLv2+
libgomp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgpg-error	1.31	LGPLv2+
libibverbs	29	GPLv2 or BSD
libicu	60.3	MIT and UCD and Public Domain
libidn	1.34	LGPLv2+ and GPLv3+ and GFDL
libidn2	2.2.0	(GPLv2+ or LGPLv3+) and GPLv3+
libipt	1.6.1	BSD
libkadm5	1.18.2	MIT
libksba	1.3.5	(LGPLv3+ or GPLv2+) and GPLv3+
liblog4shib2	2.0.0	LGPL

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NAME	VERSION	LICENSE TYPE
libmcrypt	2.5.8	LGPLv2+
libmetalink	0.1.3	MIT
libmnl	1.0.4	LGPLv2+
libmongocrypt	1.2.0	ASL 2.0 and ISC
libmount	2.32.1	LGPLv2+
libmpc	1.0.2	LGPLv3+ and GFDL
libnet	1.1.6	BSD
libnetfilter_conntrack	1.0.6	GPLv2+
libnfnetlink	1.0.1	GPLv2+
libnfsidmap	2.3.3	BSD
libnftnl	1.1.5	GPLv2+
libnghttp2	1.33.0	MIT
libnl3	3.5.0	LGPLv2
libnsl	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
libnsl2	1.2.0	BSD and LGPLv2+
libpcap	1.9.1	BSD with advertising
libpkgconf	1.4.2	ISC
libpsl	0.20.2	MIT
libpwquality	1.4.0	BSD or GPLv2+
libradius	1	libradius
libsaml12	3.2.0	Apache-2.0
libseccomp	2.4.3	LGPLv2
libsecret	0.18.6	LGPLv2+

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NAME	VERSION	LICENSE TYPE
libselinux	2.9	Public Domain
libselinux-utils	2.9	Public Domain
libsemanage	2.9	LGPLv2+
libsepol	2.9	LGPLv2+
libsigsegv	2.11	GPLv2+
libsmartcols	2.32.1	LGPLv2+
libss	1.45.6	MIT
libstdc++	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libsysfs	2.1.0	LGPLv2+
libtasn1	4.13	GPLv3+ and LGPLv2+
libtecla	1.6.1	X11
libtirpc	1.1.4	SISSL and BSD
libtool-ltdl	2.4.6	LGPLv2+
libunistring	0.9.9	GPLv2+ or LGPLv3+
libunwind	1.3.1	BSD
libusbx	1.0.23	LGPLv2+
libuser	0.62	LGPLv2+
libuuid	2.32.1	BSD
libverto	0.3.0	MIT
libvolume_id	127	GPLv2
libwsman1	2.6.5	BSD
libxcrypt	4.1.1	LGPLv2+ and BSD and Public Domain
libxerces-c-3_2	3.2.3	Apache

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NAME	VERSION	LICENSE TYPE
libxml-security-c20	2.0.2	Apache 2.0
libxml2	2.9.7	MIT
libxmltooling10	3.2.0	Apache-2.0
libxslt	1.1.32	MIT
libyaml	0.1.7	MIT
libyang2	2.0.7	BSD-3-Clause
libzip	1.6.1	BSD
libzstd	1.4.4	BSD and GPLv2
lm_sensors	3.4.0	GPLv2+ and Verbatim and MIT
lm_sensors-libs	3.4.0	LGPLv2+
lmdb-libs	0.9.24	OpenLDAP
lockdev	1.0.4	LGPLv2
logrotate	3.14.0	GPLv2+
lsof	4.93.2	zlib and Sendmail and LGPLv2+
lua	5.3.4	MIT
lua-libs	5.3.4	MIT
lz4-libs	1.8.3	GPLv2+ and BSD
lzo	2.08	GPLv2+
mailx	12.5	BSD with advertising and MPLv1.1
MAKEDEV	3.23	GPL
mariadb-connector-c	3.1.11	LGPLv2+
mariadb-connector-c-config	3.1.11	LGPLv2+
mcelog	194	GPLv2
mingetty	1.07	GPL

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NAME	VERSION	LICENSE TYPE
mongo	1	metaswitch
mongo-c-driver-libs	1.17.6	ASL 2.0 and ISC and MIT and zlib
mpfr	3.1.6	LGPLv3+ and GPLv3+ and GFDL
ms2frr	11.0.828	(NetDEF)
ncurses	6.1	MIT
ncurses-base	6.1	MIT
ncurses-libs	6.1	MIT
ncurses-term	6.1	MIT
net-snmp	5.8	BSD
net-snmp-agent-libs	5.8	BSD
net-snmp-libs	5.8	BSD
net-snmp-utils	5.8	BSD
net-tools	2	GPLv2+
nettle	3.4.1	LGPLv3+ or GPLv2+
nfs-utils	2.3.3	MIT and GPLv2 and GPLv2+ and BSD
nginx-bin	1.20.1	BSD
nginx-filesystem	1.20.1	BSD
npth	1.5	LGPLv2+
nspr	4.35.0	MPLv2.0
nss	3.90.0	MPLv2.0
nss-pam-ldapd	0.9.9	LGPLv2+
nss-softokn	3.90.0	MPLv2.0
nss-softokn-freebl	3.90.0	MPLv2.0
nss-sysinit	3.90.0	MPLv2.0

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NAME	VERSION	LICENSE TYPE
nss-tools	3.90.0	MPLv2.0
nss-util	3.90.0	MPLv2.0
ntfs-3g	2017.3.23	GPLv2+
ntfsprogs	2017.3.23	GPLv2+
ntp	4.2.8p15	MIT and BSD and BSD with advertising
ntpdate	4.2.8p15	MIT and BSD and BSD with advertising
ntpstat	0.5	MIT
numactl-libs	2.0.12	LGPLv2 and GPLv2
oniguruma5php	6.9.7.1	BSD
open-vm-tools	12.1.0	GPLv2
openldap	2.4.46	OpenLDAP
openldap-clients	2.4.46	OpenLDAP
opensaml-schemas	3.2.0	Apache-2.0
openssh	8.0p1	BSD
openssh-clients	8.0p1	BSD
openssh-server	8.0p1	BSD
openssl	1.1.1g	OpenSSL and ASL 2.0
openssl-dpt13	1.1.1a	OpenSSL
openssl-libs	1.1.1g	OpenSSL and ASL 2.0
openwsman-client	2.6.5	BSD
openwsman-server	2.6.5	BSD
p11-kit	0.23.22	BSD
p11-kit-trust	0.23.22	BSD
pam	1.3.1	BSD and GPLv2+

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NAME	VERSION	LICENSE TYPE
pam_krb5	2.4.8	BSD or LGPLv2+
panos-release	8.3	GPLv2
parted	3.2	GPLv3+
passwd	0.8	BSD or GPL+
pciutils	3.6.4	GPLv2+
pciutils-libs	3.6.4	GPLv2+
pcre	8.42	BSD
pcre2	10.32	BSD
php	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-bcmath	7.4.33	PHP and LGPLv2+
php-cli	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA and PostgreSQL
php-common	7.4.33	PHP and BSD
php-fpm	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-gmp	7.4.33	PHP
php-json	7.4.33	PHP
php-mbstring	7.4.33	PHP and LGPLv2 and OpenLDAP
php-mysqlnd	7.4.33	PHP
php-pdo	7.4.33	PHP
php-pecl-mongodb	1.9.1	ASL 2.0
php-xml	7.4.33	PHP
pinentry	1.1.0	GPLv2+
pkgconf	1.4.2	ISC
pkgconf-m4	1.4.2	GPLv2+ with exceptions

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NAME	VERSION	LICENSE TYPE
pkgconf-pkg-config	1.4.2	ISC
platform-python	3.6.8	Python
platform-python-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
platform-python-setuptools	39.2.0	MIT
policycoreutils	2.9	GPLv2
popt	1.16	MIT
pprof	2.4	BSD
procps-ng	3.3.15	GPL+ and GPLv2 and GPLv2+ and GPLv3+ and LGPLv2+
protobuf	3.5.0	BSD
psmisc	23.1	GPLv2+
pth	2.0.7	LGPLv2+
publicsuffix-list-dafsa	20180723	MPLv2.0
pybloomfiltermmap3	0.4.15	MIT License
pycrypto	2.6.1	Public Domain
python-collectd-cloudwatch	0.0.2	MIT
python-libevent	0.9.2	LGPL
python3-asn1crypto	0.24.0	MIT
python3-audit	3	LGPLv2+
python3-bloom	0.10.0	BSD
python3-boto3	1.15.15	ASL 2.0
python3-botocore	1.18.15	ASL 2.0
python3-bson	3.7.0	ASL 2.0 and MIT

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NAME	VERSION	LICENSE TYPE
python3-catkin_pkg	0.4.23	BSD
python3-cffi	1.11.5	MIT
python3-chardet	3.0.4	LGPLv2
python3-cryptography	3.2.1	ASL 2.0 or BSD
python3-dateutil	2.6.1	BSD
python3-distro	1.4.0	ASL 2.0
python3-docutils	0.14	Public Domain and BSD and Python and GPLv3+
python3-empy	3.3.4	LGPLv2+
python3-fasteners	0.14.1	ASL 2.0
python3-httplib2	0.10.3	MIT
python3-idna	2.5	BSD and Python and Unicode
python3-jmespath	0.9.0	MIT
python3-libs	3.6.8	Python
python3-libxml2	2.9.7	MIT
python3-m2crypto	0.35.2	MIT
python3-monotonic	1.5	ASL 2.0
python3-oauth2client	4.1.3	ASL 2.0
python3-pexpect	4.3.1	MIT
python3-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
python3-pip-wheel	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
python3-ply	3.9	BSD
python3-psutil	5.6.4	BSD

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NAME	VERSION	LICENSE TYPE
python3-ptyprocess	0.5.2	ISC
python3-pyasn1	0.3.7	BSD
python3-pyasn1-modules	0.3.7	BSD
python3-pycparser	2.14	BSD
python3-pycurl	7.43.0.2	LGPLv2+ or MIT
python3-pymongo	3.7.0	ASL 2.0 and MIT
python3-pyOpenSSL	18.0.0	ASL 2.0
python3-pyparsing	2.1.10	MIT
python3-pypdf2	1.26.0	BSD
python3-pytz	2019.3	MIT
python3-pyyaml	3.12	MIT
python3-requests	2.20.0	ASL 2.0
python3-rosdep	0.19.0	BSD
python3-rosdistro	0.8.3	BSD and MIT
python3-rospkg	1.2.8	BSD
python3-rpm	4.14.3	GPLv2+
python3-s3transfer	0.3.4	ASL 2.0
python3-setuptools	39.2.0	MIT
python3-setuptools-wheel	39.2.0	MIT
python3-six	1.11.0	MIT
python3-uritemplate	3.0.0	BSD
python3-urlgrabber	4.1.0	LGPLv2+
python3-urllib3	1.24.2	MIT
python3-vcstools	0.1.42	BSD

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NAME	VERSION	LICENSE TYPE
python36	3.6.8	Python
quota	4.04	BSD and GPLv2 and GPLv2+
quota-nls	4.04	BSD and LGPLv2+ and GPLv2 and GPLv2+
rcs	5.10.0	GPLv3+
rdma-core	29	GPLv2 or BSD
readline	7	GPLv3+
redis	6.2.6	BSD and MIT
rootfiles	8.1	Public Domain
rpcbind	1.2.5	BSD
rpm	4.14.3	GPLv2+
rpm-build-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rpm-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rsa	4.8	Apache License Version 2.0
rsync	3.1.3	GPLv3+
scrub	2.5.2	GPLv2+
sed	4.5	GPLv3+
setup	2.12.2	Public Domain
shadow-utils	4.6	BSD and GPLv2+
smartmontools	7.1	GPLv2+
snappy	1.1.8	BSD
sqlite	3.26.0	Public Domain
sqlite-libs	3.26.0	Public Domain
sscep	0.9.0	BSD
sshpass	1.06	GPLv2

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NAME	VERSION	LICENSE TYPE
strongswan	5.9.3	GPLv2+
sysfsutils	2.1.0	GPLv2
syslog-ng	3.29.1	GPLv2+
sysstat	11.7.3	GPLv2+
SysVinit	2.86	GPL
tacacs	1	metaswitch
tar	1.3	GPLv3+
tcp_wrappers	7.6	BSD
tcp_wrappers-libs	7.6	BSD
tcpdump	4.9.3	BSD with advertising
tecla	1.6.3	X11
tenacity	6.3.1	Apache 2.0
tftp	5.2	BSD
timedatex	0.5	GPLv2+
traceroute	2.1.0	GPLv2+
trousers	0.3.15	BSD
trousers-lib	0.3.15	BSD
tzdata	2023c	Public Domain
udev	127	GPLv2
ustr	1.0.4	MIT or LGPLv2+ or BSD
util-linux	2.32.1	GPLv2 and GPLv2+ and LGPLv2+ and BSD with advertising and Public Domain
util-linux-user	2.32.1	GPLv2
vconfig	1.9	GPL
vim-minimal	8.0.1763	Vim and MIT

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NAME	VERSION	LICENSE TYPE
virt-what	1.18	GPLv2+
vixie-cron	4.1	distributable
waofflinevmod	4.3.3.501	OPSWAT
wget	1.19.5	GPLv3+
which	2.21	GPLv3
wmi	1.3.13	GNU GPL Version 2
wpaeapol	2.9	BSD
xdelta	3.1.0	ASL 2.0
xe-guest-utilities-latest	7.21.0	BSD
xinetd	2.3.15	xinetd
xmlsec1	1.2.25	MIT
xmlsec1-openssl	1.2.25	MIT
xmltodict	0.12.0	MIT
xmltooling-schemas	3.2.0	Apache-2.0
xz	5.2.4	GPLv2+ and Public Domain
xz-libs	5.2.4	Public Domain
zlib	1.2.11	zlib and Boost

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CN-Series 11.0 OSS Listing

The following open-source software (OSS) licenses are used in at least one of the CN-Series firewall products: CN-MGMT, CN-NGFW, CN-MGMT, and CNI. Each OSS license in this list specifies the software component name, version, and license type as well as where the component is used.

NAME	VERSION	LICENSE TYPE
acl	2.2.53	GPLv2+
acpid	2.0.30	GPLv2+
apr	1.6.3	ASL 2.0 and BSD with advertising and ISC and BSD
apr-util	1.6.1	ASL 2.0
audit	3	GPLv2+
audit-libs	3	LGPLv2+
basesystem	11	Public Domain
bash	4.4.19	GPLv3+
beecrypt	4.2.1	LGPLv2+
binutils	2.3	GPLv3+
bonnie++	1.98	GPLv2
bzip2	1.0.6	BSD
bzip2-libs	1.0.6	BSD
c-ares	1.13.0	MIT
chicken	3.0.0	BSD
chkconfig	1.13	GPLv2
cjose	0.6.1	MIT
cjson	1	MIT and ASL 2.0
coreutils	8.3	GPLv3+

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NAME	VERSION	LICENSE TYPE
coreutils-common	8.3	GPLv3+
cpio	2.12	GPLv3+
cpp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
cracklib	2.9.6	LGPLv2+
cracklib-dicts	2.9.6	LGPLv2+
crontabs	1.11	Public Domain and GPLv2
crypto-policies	20200713	LGPLv2+
crypto-policies-scripts	20200713	LGPLv2+
CUnit	2.1.3	LGPLv2+
curl-minimal	7.61.1	MIT
dejavu-fonts-common	2.35	Bitstream Vera and Public Domain
dejavu-sans-fonts	2.35	Bitstream Vera and Public Domain
device-mapper	1.02.171	GPLv2
device-mapper-libs	1.02.171	LGPLv2
diffutils	3.6	GPLv3+
dmidecode	3.2	GPLv2+
dpdk-vm	20.11.8	BSD and LGPLv2 and GPLv2
dracut	49	GPLv2+ and LGPLv2+
e2fsprogs	1.45.6	GPLv2
e2fsprogs-libs	1.45.6	GPLv2 and LGPLv2
elfutils-default-yama-scope	0.18	GPLv2+ or LGPLv3+
elfutils-libelf	0.18	GPLv2+ or LGPLv3+
elfutils-libs	0.18	GPLv2+ or LGPLv3+

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NAME	VERSION	LICENSE TYPE
etcd3	0.12.0	Apache Software License 2.0
ethtool	5	GPLv2
eventlog	0.2.12	BSD-like
expat	2.2.5	MIT
fastlz	0.1.0	MIT
file	5.33	BSD
file-libs	5.33	BSD
filesystem	3.8	Public Domain
findutils	4.6.0	GPLv3+
fipscheck	1.5.0	BSD
fipscheck-lib	1.5.0	BSD
flatcc	0.6.1	Apache License Version 2.0
fontpackages-filesystem	1.44	Public Domain
fping	4.2	BSD with advertising
frr	8.0_dpd	GPLv2+
fuse	2.9.7	GPL+
fuse-common	3.2.1	GPL+
fuse-libs	2.9.7	LGPLv2+
gawk	4.2.1	GPLv3+ and GPLv2+ and LGPLv2+ and BSD
gc	7.6.4	BSD
gdb	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL + and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdb-headless	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL

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NAME	VERSION	LICENSE TYPE
		+ and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdbm	1.18	GPLv3+
gdbm-libs	1.18	GPLv3+
glib2	2.56.4	LGPLv2+
glibc	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-common	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-debuginfo	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-debuginfo-common	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-langpack-en	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
gmp	6.1.2	LGPLv3+ or GPLv2+
gnupg2	2.2.20	GPLv3+
gnutls	3.6.16	GPLv3+ and LGPLv2+
google-api-python-client	1.12.8	Apache 2.0
google-auth	1.26.1	Apache 2.0
google-auth-httplib2	0.0.4	Apache 2.0
google-cloud-core	1.6.0	Apache 2.0

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NAME	VERSION	LICENSE TYPE
google-cloud-monitoring	2.0.0	Apache 2.0
google-cloud-storage	1.36.0	Apache 2.0
googleapis-common-protos	1.52.0	Apache-2.0
gperftools-devel	2.4	BSD
gperftools-libs	2.4	BSD
gpgme	1.13.1	LGPLv2+
grep	3.1	GPLv3+
grpc	v1.30.0	GPLv2
gsoap	2.8.6	gsoap
guile	2.0.14	LGPLv3+
gzip	1.9	GPLv3+ and GFDL
hiredis	1.0.2	BSD
hostname	3.2	GPLv2+
httpd-filesystem	2.4.37	ASL 2.0
hwdata	0.314	GPLv2+
hyperscan	4.2.0	BSD License
ima-evm-utils	1.1	GPLv2
info	6.5	GPLv3+
initscripts	8.45.17	GPL
inotify-tools	3.14	GPLv2
intel-ipsec-mb	1.3.0	BSD
intel-ipsec-mb-devel	1.3.0	BSD
iproute	5.3.0	GPLv2+ and Public Domain
iptables	1.8.4	GPLv2 and Artistic 2.0 and ISC

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NAME	VERSION	LICENSE TYPE
iptables-libs	1.8.4	GPLv2 and Artistic 2.0 and ISC
iptables-utils	1.8.4	GPLv2 and Artistic 2.0 and ISC
iputils	20180629	BSD and GPLv2+
ivykis	0.42.4	LGPLv2+
jansson	2.11	MIT
json-c	0.13.1	MIT
keyutils	1.5.10	GPLv2+ and LGPLv2+
keyutils-libs	1.5.10	GPLv2+ and LGPLv2+
kmod	25	GPLv2+
kmod-libs	25	LGPLv2+
krb5-libs	1.18.2	MIT
krb5-workstation	1.18.2	MIT
less	530	GPLv3+ or BSD
libacl	2.2.53	LGPLv2+
libamqp	1.0.0	MIT
libarchive	3.3.2	BSD
libassuan	2.5.1	LGPLv2+ and GPLv3+
libatomic_ops	7.6.2	GPLv2 and MIT
libattr	2.4.48	LGPLv2+
libbabeltrace	1.5.4	MIT and GPLv2
libblkid	2.32.1	LGPLv2+
libbpf	0.2.0	BSD 2-clause GNU LGPL v2.1
libbson	1.17.6	ASL 2.0 and ISC and MIT and zlib
libcap	2.48	BSD or GPLv2

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NAME	VERSION	LICENSE TYPE
libcap-ng	0.7.9	LGPLv2+
libcom_err	1.45.6	MIT
libcurl-minimal	7.61.1	MIT
libdb	5.3.28	BSD and LGPLv2 and Sleepycat
libdb-utils	5.3.28	BSD and LGPLv2 and Sleepycat
libdrng	1.0.4	Intel (3-clause BSD)
libedit	3.1	BSD
libedit1	2.11	libedit
libevent	2.1.8	BSD and ISC
libfdisk	2.32.1	LGPLv2+
libffi	3.1	MIT
libgcc	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgcrypt	1.8.5	LGPLv2+
libgomp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgpg-error	1.31	LGPLv2+
libibverbs	29	GPLv2 or BSD
libicu	60.3	MIT and UCD and Public Domain
libidn	1.34	LGPLv2+ and GPLv3+ and GFDL
libidn2	2.2.0	(GPLv2+ or LGPLv3+) and GPLv3+
libipt	1.6.1	BSD
libkadm5	1.18.2	MIT
libksba	1.3.5	(LGPLv3+ or GPLv2+) and GPLv3+

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NAME	VERSION	LICENSE TYPE
liblog4shib2	2.0.0	LGPL
libmcrypt	2.5.8	LGPLv2+
libmetalink	0.1.3	MIT
libmnl	1.0.4	LGPLv2+
libmongocrypt	1.2.0	ASL 2.0 and ISC
libmount	2.32.1	LGPLv2+
libmpc	1.0.2	LGPLv3+ and GFDL
libnet	1.1.6	BSD
libnetfilter_conntrack	1.0.6	GPLv2+
libnfnetlink	1.0.1	GPLv2+
libnfsidmap	2.3.3	BSD
libnftnl	1.1.5	GPLv2+
libnghttp2	1.33.0	MIT
libnl3	3.5.0	LGPLv2
libnsl	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
libnsl2	1.2.0	BSD and LGPLv2+
libpcap	1.9.1	BSD with advertising
libpkgconf	1.4.2	ISC
libpsl	0.20.2	MIT
libpwquality	1.4.0	BSD or GPLv2+
libradius	1	libradius
libsaml12	3.2.0	Apache-2.0
libseccomp	2.4.3	LGPLv2

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NAME	VERSION	LICENSE TYPE
libsecret	0.18.6	LGPLv2+
libselinux	2.9	Public Domain
libselinux-utils	2.9	Public Domain
libsemanage	2.9	LGPLv2+
libsepol	2.9	LGPLv2+
libsigsegv	2.11	GPLv2+
libsmartcols	2.32.1	LGPLv2+
libss	1.45.6	MIT
libstdc++	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libsysfs	2.1.0	LGPLv2+
libtasn1	4.13	GPLv3+ and LGPLv2+
libtecla	1.6.1	X11
libtirpc	1.1.4	SISSL and BSD
libtool-ltdl	2.4.6	LGPLv2+
libunistring	0.9.9	GPLv2+ or LGPLv3+
libunwind	1.3.1	BSD
libusbx	1.0.23	LGPLv2+
libuser	0.62	LGPLv2+
libuuid	2.32.1	BSD
libverto	0.3.0	MIT
libvolume_id	127	GPLv2
libwsman1	2.6.5	BSD
libxcrypt	4.1.1	LGPLv2+ and BSD and Public Domain

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NAME	VERSION	LICENSE TYPE
libxerces-c-3_2	3.2.3	Apache
libxml-security-c20	2.0.2	Apache 2.0
libxml2	2.9.7	MIT
libxmltooling10	3.2.0	Apache-2.0
libxslt	1.1.32	MIT
libyaml	0.1.7	MIT
libyang2	2.0.7	BSD-3-Clause
libzip	1.6.1	BSD
libzstd	1.4.4	BSD and GPLv2
lm_sensors	3.4.0	GPLv2+ and Verbatim and MIT
lm_sensors-libs	3.4.0	LGPLv2+
lmdb-libs	0.9.24	OpenLDAP
lockdev	1.0.4	LGPLv2
logrotate	3.14.0	GPLv2+
lsof	4.93.2	zlib and Sendmail and LGPLv2+
lua	5.3.4	MIT
lua-libs	5.3.4	MIT
lz4-libs	1.8.3	GPLv2+ and BSD
lzo	2.08	GPLv2+
mailx	12.5	BSD with advertising and MPLv1.1
MAKEDEV	3.23	GPL
mariadb-connector-c	3.1.11	LGPLv2+
mariadb-connector-c-config	3.1.11	LGPLv2+
mcelog	144	GPLv2

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NAME	VERSION	LICENSE TYPE
mingetty	1.07	GPL
mongo	1	metaswitch
mongo-c-driver-libs	1.17.6	ASL 2.0 and ISC and MIT and zlib
mpfr	3.1.6	LGPLv3+ and GPLv3+ and GFDL
ms2frr	11.1.134	(NetDEF)
ncurses	6.1	MIT
ncurses-base	6.1	MIT
ncurses-libs	6.1	MIT
ncurses-term	6.1	MIT
net-snmp	5.8	BSD
net-snmp-agent-libs	5.8	BSD
net-snmp-libs	5.8	BSD
net-snmp-utils	5.8	BSD
net-tools	2	GPLv2+
nettle	3.4.1	LGPLv3+ or GPLv2+
nfs-utils	2.3.3	MIT and GPLv2 and GPLv2+ and BSD
nginx-bin	1.18.0	BSD
nginx-filesystem	1.18.0	BSD
npth	1.5	LGPLv2+
nspr	4.35.0	MPLv2.0
nss	3.90.0	MPLv2.0
nss-pam-ldapd	0.9.9	LGPLv2+
nss-softokn	3.90.0	MPLv2.0
nss-softokn-freebl	3.90.0	MPLv2.0

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NAME	VERSION	LICENSE TYPE
nss-sysinit	3.90.0	MPLv2.0
nss-tools	3.90.0	MPLv2.0
nss-util	3.90.0	MPLv2.0
ntfs-3g	2017.3.23	GPLv2+
ntfsprogs	2017.3.23	GPLv2+
ntp	4.2.8p15	MIT and BSD and BSD with advertising
ntpdate	4.2.8p15	MIT and BSD and BSD with advertising
ntpstat	0.5	MIT
numactl-libs	2.0.12	LGPLv2 and GPLv2
oniguruma5php	6.9.7.1	BSD
open-vm-tools	10.3.10	GPLv2
openldap	2.4.46	OpenLDAP
openldap-clients	2.4.46	OpenLDAP
opensaml-schemas	3.2.0	Apache-2.0
openssh	8.0p1	BSD
openssh-clients	8.0p1	BSD
openssh-server	8.0p1	BSD
openssl	1.1.1g	OpenSSL and ASL 2.0
openssl-dpt13	1.1.1a	OpenSSL
openssl-libs	1.1.1g	OpenSSL and ASL 2.0
openwsman-client	2.6.5	BSD
openwsman-server	2.6.5	BSD
p11-kit	0.23.14	BSD
p11-kit-trust	0.23.14	BSD

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NAME	VERSION	LICENSE TYPE
pam	1.3.1	BSD and GPLv2+
pam_krb5	2.4.8	BSD or LGPLv2+
panos-release	8.3	GPLv2
parted	3.2	GPLv3+
passwd	0.8	BSD or GPL+
pciutils	3.6.4	GPLv2+
pciutils-libs	3.6.4	GPLv2+
pcre	8.42	BSD
pcre2	10.32	BSD
php	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-bcmath	7.4.33	PHP and LGPLv2+
php-cli	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA and PostgreSQL
php-common	7.4.33	PHP and BSD
php-fpm	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-gmp	7.4.33	PHP
php-json	7.4.33	PHP
php-mbstring	7.4.33	PHP and LGPLv2 and OpenLDAP
php-mysqlnd	7.4.33	PHP
php-pdo	7.4.33	PHP
php-pecl-mongodb	1.9.1	ASL 2.0
php-xml	7.4.33	PHP
pinentry	1.1.0	GPLv2+
pkgconf	1.4.2	ISC

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NAME	VERSION	LICENSE TYPE
pkgconf-m4	1.4.2	GPLv2+ with exceptions
pkgconf-pkg-config	1.4.2	ISC
platform-python	3.6.8	Python
platform-python-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
platform-python-setuptools	39.2.0	MIT
policycoreutils	2.9	GPLv2
popt	1.16	MIT
pprof	2.4	BSD
procps-ng	3.3.15	GPL+ and GPLv2 and GPLv2+ and GPLv3+ and LGPLv2+
protobuf	3.5.0	BSD
psmisc	23.1	GPLv2+
pth	2.0.7	LGPLv2+
publicsuffix-list-dafsa	20180723	MPLv2.0
pybloomfiltermmap3	0.4.15	MIT License
pycrypto	2.6.1	Public Domain
python-collectd-cloudwatch	0.0.2	MIT
python-libevent	0.9.2	LGPL
python3-asn1crypto	0.24.0	MIT
python3-audit	3	LGPLv2+
python3-bloom	0.10.0	BSD
python3-boto3	1.15.15	ASL 2.0
python3-botocore	1.18.15	ASL 2.0

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NAME	VERSION	LICENSE TYPE
python3-bson	3.7.0	ASL 2.0 and MIT
python3-catkin_pkg	0.4.23	BSD
python3-cffi	1.11.5	MIT
python3-chardet	3.0.4	LGPLv2
python3-cryptography	3.2.1	ASL 2.0 or BSD
python3-dateutil	2.6.1	BSD
python3-distro	1.4.0	ASL 2.0
python3-docutils	0.14	Public Domain and BSD and Python and GPLv3+
python3-empy	3.3.4	LGPLv2+
python3-fasteners	0.14.1	ASL 2.0
python3-httplib2	0.10.3	MIT
python3-idna	2.5	BSD and Python and Unicode
python3-jmespath	0.9.0	MIT
python3-libs	3.6.8	Python
python3-libxml2	2.9.7	MIT
python3-m2crypto	0.35.2	MIT
python3-monotonic	1.5	ASL 2.0
python3-oauth2client	4.1.3	ASL 2.0
python3-pexpect	4.3.1	MIT
python3-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
python3-pip-wheel	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
python3-ply	3.9	BSD

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NAME	VERSION	LICENSE TYPE
python3-psutil	5.6.4	BSD
python3-ptyprocess	0.5.2	ISC
python3-pyasn1	0.3.7	BSD
python3-pyasn1-modules	0.3.7	BSD
python3-pycparser	2.14	BSD
python3-pycurl	7.43.0.2	LGPLv2+ or MIT
python3-pymongo	3.7.0	ASL 2.0 and MIT
python3-pyOpenSSL	18.0.0	ASL 2.0
python3-pyparsing	2.1.10	MIT
python3-pypdf2	1.26.0	BSD
python3-pytz	2019.3	MIT
python3-pyyaml	3.12	MIT
python3-requests	2.20.0	ASL 2.0
python3-rosdep	0.19.0	BSD
python3-rosdistro	0.8.3	BSD and MIT
python3-rospkg	1.2.8	BSD
python3-rpm	4.14.3	GPLv2+
python3-s3transfer	0.3.4	ASL 2.0
python3-setuptools	39.2.0	MIT
python3-setuptools-wheel	39.2.0	MIT
python3-six	1.11.0	MIT
python3-uritemplate	3.0.0	BSD
python3-urlgrabber	4.1.0	LGPLv2+
python3-urllib3	1.24.2	MIT

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NAME	VERSION	LICENSE TYPE
python3-vcstools	0.1.42	BSD
python36	3.6.8	Python
quota	4.04	BSD and GPLv2 and GPLv2+
quota-nls	4.04	BSD and LGPLv2+ and GPLv2 and GPLv2+
rcs	5.10.0	GPLv3+
rdma-core	29	GPLv2 or BSD
readline	7	GPLv3+
redis	6.2.6	BSD and MIT
rootfiles	8.1	Public Domain
rpcbind	1.2.5	BSD
rpm	4.14.3	GPLv2+
rpm-build-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rpm-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rsa	4.8	Apache License Version 2.0
rsync	3.1.3	GPLv3+
scrub	2.5.2	GPLv2+
sed	4.5	GPLv3+
setup	2.12.2	Public Domain
shadow-utils	4.6	BSD and GPLv2+
smartmontools	7.1	GPLv2+
snappy	1.1.8	BSD
sqlite	3.26.0	Public Domain
sqlite-libs	3.26.0	Public Domain
sscep	0.9.0	BSD

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NAME	VERSION	LICENSE TYPE
sshpass	1.06	GPLv2
strongswan	5.9.3	GPLv2+
sysfsutils	2.1.0	GPLv2
syslog-ng	3.29.1	GPLv2+
sysstat	11.7.3	GPLv2+
SysVinit	2.86	GPL
tacacs	1	metaswitch
tar	1.3	GPLv3+
tcp_wrappers	7.6	BSD
tcp_wrappers-libs	7.6	BSD
tcpdump	4.9.3	BSD with advertising
tecla	1.6.3	X11
tenacity	6.3.1	Apache 2.0
tftp	5.2	BSD
timedatex	0.5	GPLv2+
traceroute	2.1.0	GPLv2+
trousers	0.3.15	BSD
trousers-lib	0.3.15	BSD
tzdata	2023c	Public Domain
udev	127	GPLv2
ustr	1.0.4	MIT or LGPLv2+ or BSD
util-linux	2.32.1	GPLv2 and GPLv2+ and LGPLv2+ and BSD with advertising and Public Domain
util-linux-user	2.32.1	GPLv2
vconfig	1.9	GPL

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NAME	VERSION	LICENSE TYPE
vim-minimal	8.0.1763	Vim and MIT
virt-what	1.18	GPLv2+
vixie-cron	4.1	distributable
waofflinevmod	4.3.3.501	OPSWAT
wget	1.19.5	GPLv3+
which	2.21	GPLv3
wmi	1.3.13	GNU GPL Version 2
wpaeapol	2.9	BSD
xdelta	3.1.0	ASL 2.0
xe-guest-utilities-latest	7.21.0	BSD
xinetd	2.3.15	xinetd
xmlsec1	1.2.25	MIT
xmlsec1-openssl	1.2.25	MIT
xmltodict	0.12.0	MIT
xmltooling-schemas	3.2.0	Apache-2.0
xz	5.2.4	GPLv2+ and Public Domain
xz-libs	5.2.4	Public Domain
zlib	1.2.11	zlib and Boost

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CN-Series 10.2 OSS Listing

The following open-source software (OSS) licenses are used in at least one of the CN-Series firewall products: CN-MGMT, CN-NGFW, CN-MGMT, and CNI. Each OSS license in this list specifies the software component name, version, and license type as well as where the component is used.

NAME	VERSION	LICENSE TYPE
acl	2.2.53	GPLv2+
acpid	2.0.30	GPLv2+
apr	1.6.3	ASL 2.0 and BSD with advertising and ISC and BSD
apr-util	1.6.1	ASL 2.0
audit	3	GPLv2+
audit-libs	3	LGPLv2+
basesystem	11	Public Domain
bash	4.4.19	GPLv3+
beecrypt	4.2.1	LGPLv2+
bind-libs	9.11.36	MPLv2.0
bind-libs-lite	9.11.36	MPLv2.0
binutils	2.3	GPLv3+
bonnie++	1.98	GPLv2
bzip2	1.0.6	BSD
bzip2-libs	1.0.6	BSD
c-ares	1.13.0	MIT
chicken	3.0.0	BSD
chkconfig	1.13	GPLv2
cjose	0.6.1	MIT

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NAME	VERSION	LICENSE TYPE
cjson	1	MIT and ASL 2.0
coreutils	8.3	GPLv3+
coreutils-common	8.3	GPLv3+
cpio	2.12	GPLv3+
cpp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
cracklib	2.9.6	LGPLv2+
cracklib-dicts	2.9.6	LGPLv2+
crontabs	1.11	Public Domain and GPLv2
crypto-policies	20200713	LGPLv2+
crypto-policies-scripts	20200713	LGPLv2+
CUnit	2.1.3	LGPLv2+
curl-minimal	7.61.1	MIT
dejavu-fonts-common	2.35	Bitstream Vera and Public Domain
dejavu-sans-fonts	2.35	Bitstream Vera and Public Domain
device-mapper	1.02.171	GPLv2
device-mapper-libs	1.02.171	LGPLv2
diffutils	3.6	GPLv3+
dmidecode	3.2	GPLv2+
dpdk-vm	20.11.8	BSD and LGPLv2 and GPLv2
dracut	49	GPLv2+ and LGPLv2+
e2fsprogs	1.45.6	GPLv2
e2fsprogs-libs	1.45.6	GPLv2 and LGPLv2
elfutils-default-yama-scope	0.18	GPLv2+ or LGPLv3+

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NAME	VERSION	LICENSE TYPE
elfutils-libelf	0.18	GPLv2+ or LGPLv3+
elfutils-libs	0.18	GPLv2+ or LGPLv3+
etcd3	0.12.0	Apache Software License 2.0
ethtool	5	GPLv2
eventlog	0.2.12	BSD-like
expat	2.2.5	MIT
fastlz	0.1.0	MIT
file	5.33	BSD
file-libs	5.33	BSD
filesystem	3.8	Public Domain
findutils	4.6.0	GPLv3+
fipscheck	1.5.0	BSD
fipscheck-lib	1.5.0	BSD
flatcc	0.6.1	Apache License Version 2.0
fontpackages-filesystem	1.44	Public Domain
fping	4.2	BSD with advertising
frr	8.0_dpd	GPLv2+
fuse	2.9.7	GPL+
fuse-common	3.2.1	GPL+
fuse-libs	2.9.7	LGPLv2+
gawk	4.2.1	GPLv3+ and GPLv2+ and LGPLv2+ and BSD
gc	7.6.4	BSD
gdb	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL + and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL

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NAME	VERSION	LICENSE TYPE
gdb-headless	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL + and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdbm	1.18	GPLv3+
gdbm-libs	1.18	GPLv3+
glib2	2.56.4	LGPLv2+
glibc	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-common	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-langpack-en	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
gmp	6.1.2	LGPLv3+ or GPLv2+
gnupg2	2.2.20	GPLv3+
gnutls	3.6.14	GPLv3+ and LGPLv2+
google-api-python-client	1.12.8	Apache 2.0
google-auth	1.26.1	Apache 2.0
google-auth-httplib2	0.0.4	Apache 2.0
google-cloud-core	1.6.0	Apache 2.0
google-cloud-monitoring	2.0.0	Apache 2.0
google-cloud-storage	1.36.0	Apache 2.0
googleapis-common-protos	1.52.0	Apache-2.0
gperftools-devel	2.4	BSD

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NAME	VERSION	LICENSE TYPE
gperftools-libs	2.4	BSD
gpgme	1.13.1	LGPLv2+
grep	3.1	GPLv3+
grpc	v1.30.0	GPLv2
gsoap	2.8.6	gsoap
guile	2.0.14	LGPLv3+
gzip	1.9	GPLv3+ and GFDL
hiredis	1.0.2	BSD
hostname	3.2	GPLv2+
httpd-filesystem	2.4.37	ASL 2.0
hwdata	0.314	GPLv2+
hyperscan	4.2.0	BSD License
ima-evm-utils	1.1	GPLv2
info	6.5	GPLv3+
initscripts	8.45.17	GPL
inotify-tools	3.14	GPLv2
intel-ipsec-mb	1.3.0	BSD
intel-ipsec-mb-devel	1.3.0	BSD
iproute	5.3.0	GPLv2+ and Public Domain
iptables	1.8.4	GPLv2 and Artistic 2.0 and ISC
iptables-libs	1.8.4	GPLv2 and Artistic 2.0 and ISC
iptables-utils	1.8.4	GPLv2 and Artistic 2.0 and ISC
iputils	20180629	BSD and GPLv2+
ivykis	0.42.4	LGPLv2+

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NAME	VERSION	LICENSE TYPE
jansson	2.11	MIT
json-c	0.13.1	MIT
keyutils	1.5.10	GPLv2+ and LGPLv2+
keyutils-libs	1.5.10	GPLv2+ and LGPLv2+
kmod	25	GPLv2+
kmod-libs	25	LGPLv2+
krb5-libs	1.18.2	MIT
krb5-workstation	1.18.2	MIT
less	530	GPLv3+ or BSD
libacl	2.2.53	LGPLv2+
libamqp	1.0.0	MIT
libarchive	3.3.2	BSD
libassuan	2.5.1	LGPLv2+ and GPLv3+
libatomic_ops	7.6.2	GPLv2 and MIT
libattr	2.4.48	LGPLv2+
libbabeltrace	1.5.4	MIT and GPLv2
libblkid	2.32.1	LGPLv2+
libbpf	0.2.0	BSD 2-clause GNU LGPL v2.1
libbson	1.17.6	ASL 2.0 and ISC and MIT and zlib
libcap	2.48	BSD or GPLv2
libcap-ng	0.7.9	LGPLv2+
libcom_err	1.45.6	MIT
libcurl-minimal	7.61.1	MIT
libdb	5.3.28	BSD and LGPLv2 and Sleepycat

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NAME	VERSION	LICENSE TYPE
libdb-utils	5.3.28	BSD and LGPLv2 and Sleepycat
libdrng	1.0.4	Intel (3-clause BSD)
libedit	3.1	BSD
libedit1	2.11	libedit
libevent	2.1.8	BSD and ISC
libfdisk	2.32.1	LGPLv2+
libffi	3.1	MIT
libgcc	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgcrypt	1.8.5	LGPLv2+
libgomp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgpg-error	1.31	LGPLv2+
libibverbs	29	GPLv2 or BSD
libicu	60.3	MIT and UCD and Public Domain
libidn	1.34	LGPLv2+ and GPLv3+ and GFDL
libidn2	2.2.0	(GPLv2+ or LGPLv3+) and GPLv3+
libipt	1.6.1	BSD
libkadm5	1.18.2	MIT
libksba	1.3.5	(LGPLv3+ or GPLv2+) and GPLv3+
liblog4shib2	2.0.0	LGPL
libmaxminddb	1.2.0	ASL 2.0 and BSD
libmcrypt	2.5.8	LGPLv2+
libmetalink	0.1.3	MIT

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NAME	VERSION	LICENSE TYPE
libmnl	1.0.4	LGPLv2+
libmongocrypt	1.2.0	ASL 2.0 and ISC
libmount	2.32.1	LGPLv2+
libmpc	1.0.2	LGPLv3+ and GFDL
libnet	1.1.6	BSD
libnetfilter_conntrack	1.0.6	GPLv2+
libnfnetlink	1.0.1	GPLv2+
libnfsidmap	2.3.3	BSD
libnftnl	1.1.5	GPLv2+
libnghttp2	1.33.0	MIT
libnl3	3.5.0	LGPLv2
libnsl	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
libnsl2	1.2.0	BSD and LGPLv2+
libpcap	1.9.1	BSD with advertising
libpkgconf	1.4.2	ISC
libpsl	0.20.2	MIT
libpwquality	1.4.0	BSD or GPLv2+
libradius	1	libradius
libsaml12	3.2.0	Apache-2.0
libseccomp	2.4.3	LGPLv2
libsecret	0.18.6	LGPLv2+
libselinux	2.9	Public Domain
libselinux-utils	2.9	Public Domain

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NAME	VERSION	LICENSE TYPE
libsemanage	2.9	LGPLv2+
libsepol	2.9	LGPLv2+
libsigsegv	2.11	GPLv2+
libsmartcols	2.32.1	LGPLv2+
libss	1.45.6	MIT
libstdc++	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libsysfs	2.1.0	LGPLv2+
libtasn1	4.13	GPLv3+ and LGPLv2+
libtecla	1.6.1	X11
libtirpc	1.1.4	SISSL and BSD
libtool-ltdl	2.4.6	LGPLv2+
libunistring	0.9.9	GPLv2+ or LGPLv3+
libunwind	1.3.1	BSD
libusbx	1.0.23	LGPLv2+
libuser	0.62	LGPLv2+
libuuid	2.32.1	BSD
libverto	0.3.0	MIT
libvolume_id	127	GPLv2
libwsman1	2.6.5	BSD
libxcrypt	4.1.1	LGPLv2+ and BSD and Public Domain
libxerces-c-3_2	3.2.3	Apache
libxml-security-c20	2.0.2	Apache 2.0
libxml2	2.9.7	MIT

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NAME	VERSION	LICENSE TYPE
libxmltooling10	3.2.0	Apache-2.0
libxslt	1.1.32	MIT
libyaml	0.1.7	MIT
libyang2	2.0.7	BSD-3-Clause
libzip	1.6.1	BSD
libzstd	1.4.4	BSD and GPLv2
lm_sensors	3.4.0	GPLv2+ and Verbatim and MIT
lm_sensors-libs	3.4.0	LGPLv2+
lmdb-libs	0.9.24	OpenLDAP
lockdev	1.0.4	LGPLv2
logrotate	3.14.0	GPLv2+
lsof	4.93.2	zlib and Sendmail and LGPLv2+
lua	5.3.4	MIT
lua-libs	5.3.4	MIT
lz4-libs	1.8.3	GPLv2+ and BSD
lzo	2.08	GPLv2+
mailx	12.5	BSD with advertising and MPLv1.1
MAKEDEV	3.23	GPL
mariadb-connector-c	3.1.11	LGPLv2+
mariadb-connector-c-config	3.1.11	LGPLv2+
mcelog	144	GPLv2
mingetty	1.07	GPL
mongo	1	metaswitch
mongo-c-driver-libs	1.17.6	ASL 2.0 and ISC and MIT and zlib

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NAME	VERSION	LICENSE TYPE
mpfr	3.1.6	LGPLv3+ and GPLv3+ and GFDL
ms2frr	10.2.821	(NetDEF)
ncurses	6.1	MIT
ncurses-base	6.1	MIT
ncurses-libs	6.1	MIT
ncurses-term	6.1	MIT
net-snmp	5.8	BSD
net-snmp-agent-libs	5.8	BSD
net-snmp-libs	5.8	BSD
net-snmp-utils	5.8	BSD
net-tools	2	GPLv2+
nettle	3.4.1	LGPLv3+ or GPLv2+
nfs-utils	2.3.3	MIT and GPLv2 and GPLv2+ and BSD
nginx-bin	1.18.0	BSD
nginx-filesystem	1.18.0	BSD
npth	1.5	LGPLv2+
nspr	4.35.0	MPLv2.0
nss	3.90.0	MPLv2.0
nss-pam-ldapd	0.9.9	LGPLv2+
nss-softokn	3.90.0	MPLv2.0
nss-softokn-freebl	3.90.0	MPLv2.0
nss-sysinit	3.90.0	MPLv2.0
nss-tools	3.90.0	MPLv2.0
nss-util	3.90.0	MPLv2.0

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NAME	VERSION	LICENSE TYPE
ntfs-3g	2017.3.23	GPLv2+
ntfsprogs	2017.3.23	GPLv2+
ntp	4.2.8p15	MIT and BSD and BSD with advertising
ntpdate	4.2.8p15	MIT and BSD and BSD with advertising
ntpstat	0.5	MIT
numactl-libs	2.0.12	LGPLv2 and GPLv2
oniguruma5php	6.9.7.1	BSD
open-vm-tools	10.3.10	GPLv2
openldap	2.4.46	OpenLDAP
openldap-clients	2.4.46	OpenLDAP
opensaml-schemas	3.2.0	Apache-2.0
openssh	8.0p1	BSD
openssh-clients	8.0p1	BSD
openssh-server	8.0p1	BSD
openssl	1.1.1g	OpenSSL and ASL 2.0
openssl-dpt13	1.1.1a	OpenSSL
openssl-libs	1.1.1g	OpenSSL and ASL 2.0
openwsman-client	2.6.5	BSD
openwsman-server	2.6.5	BSD
p11-kit	0.23.14	BSD
p11-kit-trust	0.23.14	BSD
pam	1.3.1	BSD and GPLv2+
pam_krb5	2.4.8	BSD or LGPLv2+
panos-release	8.3	GPLv2

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NAME	VERSION	LICENSE TYPE
parted	3.2	GPLv3+
passwd	0.8	BSD or GPL+
pciutils	3.6.4	GPLv2+
pciutils-libs	3.6.4	GPLv2+
pcre	8.42	BSD
pcre2	10.32	BSD
php	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-bcmath	7.4.33	PHP and LGPLv2+
php-cli	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA and PostgreSQL
php-common	7.4.33	PHP and BSD
php-fpm	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-gmp	7.4.33	PHP
php-json	7.4.33	PHP
php-mbstring	7.4.33	PHP and LGPLv2 and OpenLDAP
php-mysqlnd	7.4.33	PHP
php-pdo	7.4.33	PHP
php-pecl-mongodb	1.9.1	ASL 2.0
php-xml	7.4.33	PHP
pinentry	1.1.0	GPLv2+
pkgconf	1.4.2	ISC
pkgconf-m4	1.4.2	GPLv2+ with exceptions
pkgconf-pkg-config	1.4.2	ISC
platform-python	3.6.8	Python

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NAME	VERSION	LICENSE TYPE
platform-python-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
platform-python-setuptools	39.2.0	MIT
policycoreutils	2.9	GPLv2
popt	1.16	MIT
pprof	2.4	BSD
procps-ng	3.3.15	GPL+ and GPLv2 and GPLv2+ and GPLv3+ and LGPLv2+
protobuf	3.5.0	BSD
psmisc	23.1	GPLv2+
pth	2.0.7	LGPLv2+
publicsuffix-list-dafsa	20180723	MPLv2.0
pybloomfiltermmap3	0.4.15	MIT License
pycrypto	2.6.1	Public Domain
python-collectd-cloudwatch	0.0.2	MIT
python-libevent	0.9.2	LGPL
python3-asn1crypto	0.24.0	MIT
python3-audit	3	LGPLv2+
python3-bloom	0.10.0	BSD
python3-boto3	1.15.15	ASL 2.0
python3-botocore	1.18.15	ASL 2.0
python3-bson	3.7.0	ASL 2.0 and MIT
python3-catkin_pkg	0.4.23	BSD
python3-cffi	1.11.5	MIT

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NAME	VERSION	LICENSE TYPE
python3-chardet	3.0.4	LGPLv2
python3-cryptography	2.3	ASL 2.0 or BSD
python3-dateutil	2.6.1	BSD
python3-distro	1.4.0	ASL 2.0
python3-docutils	0.14	Public Domain and BSD and Python and GPLv3+
python3-empy	3.3.4	LGPLv2+
python3-fasteners	0.14.1	ASL 2.0
python3-httplib2	0.10.3	MIT
python3-idna	2.5	BSD and Python and Unicode
python3-jmespath	0.9.0	MIT
python3-libs	3.6.8	Python
python3-libxml2	2.9.7	MIT
python3-m2crypto	0.35.2	MIT
python3-monotonic	1.5	ASL 2.0
python3-oauth2client	4.1.3	ASL 2.0
python3-pexpect	4.3.1	MIT
python3-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
python3-pip-wheel	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
python3-ply	3.9	BSD
python3-psutil	5.6.4	BSD
python3-ptyprocess	0.5.2	ISC
python3-pyasn1	0.3.7	BSD

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NAME	VERSION	LICENSE TYPE
python3-pyasn1-modules	0.3.7	BSD
python3-pycparser	2.14	BSD
python3-pycurl	7.43.0.2	LGPLv2+ or MIT
python3-pymongo	3.7.0	ASL 2.0 and MIT
python3-pyOpenSSL	18.0.0	ASL 2.0
python3-pyparsing	2.1.10	MIT
python3-pypdf2	1.26.0	BSD
python3-pytz	2019.3	MIT
python3-pyyaml	3.12	MIT
python3-requests	2.20.0	ASL 2.0
python3-rosdep	0.19.0	BSD
python3-rosdistro	0.8.3	BSD and MIT
python3-rospkg	1.2.8	BSD
python3-rpm	4.14.3	GPLv2+
python3-s3transfer	0.3.4	ASL 2.0
python3-setuptools	39.2.0	MIT
python3-setuptools-wheel	39.2.0	MIT
python3-six	1.11.0	MIT
python3-uritemplate	3.0.0	BSD
python3-urlgrabber	4.1.0	LGPLv2+
python3-urllib3	1.24.2	MIT
python3-vcstools	0.1.42	BSD
python36	3.6.8	Python
quota	4.04	BSD and GPLv2 and GPLv2+

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NAME	VERSION	LICENSE TYPE
quota-nls	4.04	BSD and LGPLv2+ and GPLv2 and GPLv2+
rcs	5.10.0	GPLv3+
rdma-core	29	GPLv2 or BSD
readline	7	GPLv3+
redis	5.0.3	BSD and MIT
rootfiles	8.1	Public Domain
rpcbind	1.2.5	BSD
rpm	4.14.3	GPLv2+
rpm-build-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rpm-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rsa	4.8	Apache License Version 2.0
rsync	3.1.3	GPLv3+
scrub	2.5.2	GPLv2+
sed	4.5	GPLv3+
setup	2.12.2	Public Domain
shadow-utils	4.6	BSD and GPLv2+
smartmontools	7.1	GPLv2+
snappy	1.1.8	BSD
sqlite	3.26.0	Public Domain
sqlite-libs	3.26.0	Public Domain
sscep	0.9.0	BSD
sshpass	1.06	GPLv2
strongswan	5.9.3	GPLv2+
sysfsutils	2.1.0	GPLv2

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NAME	VERSION	LICENSE TYPE
syslog-ng	3.29.1	GPLv2+
sysstat	11.7.3	GPLv2+
SysVinit	2.86	GPL
tacacs	1	metaswitch
tar	1.3	GPLv3+
tcp_wrappers	7.6	BSD
tcp_wrappers-libs	7.6	BSD
tcpdump	4.9.3	BSD with advertising
tecla	1.6.3	X11
tenacity	6.3.1	Apache 2.0
tftp	5.2	BSD
timedatex	0.5	GPLv2+
traceroute	2.1.0	GPLv2+
trousers	0.3.15	BSD
trousers-lib	0.3.15	BSD
tzdata	2023c	Public Domain
udev	127	GPLv2
ustr	1.0.4	MIT or LGPLv2+ or BSD
util-linux	2.32.1	GPLv2 and GPLv2+ and LGPLv2+ and BSD with advertising and Public Domain
util-linux-user	2.32.1	GPLv2
vconfig	1.9	GPL
vim-minimal	8.0.1763	Vim and MIT
virt-what	1.18	GPLv2+
vixie-cron	4.1	distributable

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NAME	VERSION	LICENSE TYPE
waofflinevmod	4.3.3.501	OPSWAT
wget	1.19.5	GPLv3+
which	2.21	GPLv3
wmi	1.3.13	GNU GPL Version 2
wpaeapol	2.9	BSD
xdelta	3.1.0	ASL 2.0
xe-guest-utilities-latest	7.21.0	BSD
xinetd	2.3.15	xinetd
xmlsec1	1.2.25	MIT
xmlsec1-openssl	1.2.25	MIT
xmltodict	0.12.0	MIT
xmltooling-schemas	3.2.0	Apache-2.0
xz	5.2.4	GPLv2+ and Public Domain
xz-libs	5.2.4	Public Domain
zlib	1.2.11	zlib and Boost

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CN-Series 10.1 OSS Listing

The following open-source software (OSS) licenses are used in at least one of the CN-Series firewall products: CN-MGMT, CN-NGFW, CN-MGMT, and CNI. Each OSS license in this list specifies the software component name, version, and license type as well as where the component is used.

NAME	VERSION	LICENSE TYPE
acl	2.2.51	GPLv2+
acpid	2.0.19	GPLv2+
apr	1.4.8	ASL 2.0 and BSD with advertising and ISC and BSD
apr-util	1.5.2	ASL 2.0
audit	2.4.1	GPLv2+
audit-libs	2.4.1	LGPLv2+
basesystem	10	Public Domain
bash	4.2.46	GPLv3+
beecrypt	4.2.1	LGPLv2+
bind-libs	9.11.4	ISC
binutils	2.27	GPLv3+
bonnie++	1.03d	GPL
bzip2	1.0.6	BSD
bzip2-libs	1.0.6	BSD
c-ares	1.10.0	MIT
centos-release	7	GPLv2
chicken	3.0.0	BSD
chkconfig	1.3.61	GPLv2
coreutils	8.22	GPLv3+

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NAME	VERSION	LICENSE TYPE
cpio	2.11	GPLv3+
cpp	4.8.5	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
cracklib	2.9.0	LGPLv2+
cracklib-dicts	2.9.0	LGPLv2+
crontabs	1.11	Public Domain and GPLv2
curl	7.60.0	MIT
cyrus-sasl-lib	2.1.26	BSD with advertising
dejavu-fonts-common	2.33	Bitstream Vera and Public Domain
dejavu-sans-fonts	2.33	Bitstream Vera and Public Domain
device-mapper	1.02.107	GPLv2
device-mapper-libs	1.02.107	LGPLv2
diffutils	3.3	GPLv3+
dmidecode	2.12	GPLv2+
dpdk	19.11.14	BSD and LGPLv2 and GPLv2
e2fsprogs	1.42.9	GPLv2
e2fsprogs-libs	1.42.9	GPLv2 and LGPLv2
elfutils-libelf	0.176	GPLv2+ or LGPLv3+
etcd	3.2.22	ASL 2.0
ethtool	4.5	GPLv2
eventlog	0.2.12	BSD-like
expat	2.1.0	MIT
fastlz	0.1.0	MIT
file	5.11	BSD

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NAME	VERSION	LICENSE TYPE
file-libs	5.11	BSD
filesystem	3.2	Public Domain
findutils	4.5.11	GPLv3+
fipscheck	1.4.1	BSD
fipscheck-lib	1.4.1	BSD
flatcc	1	metaswitch
fontpackages-filesystem	1.44	Public Domain
fping	4	BSD with advertising
frr	6.1_dpd	GPLv2+
fuse-libs	2.8.5	LGPLv2+
futures	3.1.1	PSF
gawk	4.0.2	GPLv3+ and GPL and LGPLv3+ and LGPL and BSD
gdb	7.12	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL + and LGPLv2+ and BSD and Public Domain
glib2	2.56.1	LGPLv2+
glibc	2.17	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+
glibc-common	2.17	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+
glibc-debuginfo	2.17	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+
gmp	6.0.0	LGPLv3+ or GPLv2+
gnupg2	2.0.22	GPLv3+
google-api-python-client	1.6.2	Apache-2.0
google-auth	0.8.0	Apache 2.0

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NAME	VERSION	LICENSE TYPE
google-auth-httplib2	0.0.2	Apache 2.0
google-cloud-core	0.23.1	Apache 2.0
google-cloud-monitoring	0.23.1	Apache 2.0
google-cloud-storage	0.23.1	Apache 2.0
googleapis-common-protos	1.5.2	Apache-2.0
gperftools-libs	2.4	BSD
grep	2.2	GPLv3+
grpc	v1.30.0	GPLv2
gzip	1.5	GPLv3+ and GFDL
hiredis	1.0.2	BSD
hwdata	0.252	GPLv2+
hyperscan	4.2.0	BSD License
info	5.1	GPLv3+
initscripts	8.45.15	GPL
inotify-tools	3.14	GPL-2.0-only
iproute	3.10.0	GPLv2+ and Public Domain
iptables	1.4.21	GPLv2
iptables-utils	1.4.21	GPLv2
iputils	20121221	BSD and GPLv2+
json-c	0.11	MIT
keyutils	1.5.8	GPLv2+ and LGPLv2+
keyutils-libs	1.5.8	GPLv2+ and LGPLv2+
krb5-libs	1.13.1	MIT, freely distributable.
krb5-workstation	1.13.1	MIT, freely distributable.

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NAME	VERSION	LICENSE TYPE
less	458	GPLv3+
libacl	2.2.51	LGPLv2+
libamqp	1.0.0	MIT
libassuan	2.1.0	LGPLv2+ and GPLv3+
libattr	2.4.46	LGPLv2+
libblkid	2.23.2	LGPLv2+
libbpf	0.2.0	BSD 2-clause GNU LGPL v2.1
libcap	2.22	LGPLv2+
libcap-ng	0.7.5	LGPLv2+
libcjson	0.0.1	FIXME
libcom_err	1.42.9	MIT
libcurl	7.60.0	MIT
libdb	5.3.21	BSD and LGPLv2 and Sleepycat
libdb-utils	5.3.21	BSD and LGPLv2 and Sleepycat
libdrng	1.0.4	Intel (3-clause BSD)
libevent	2.0.21	BSD
libffi	3.2.1	libffi
libgcc	4.8.5	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgcrypt	1.5.3	LGPLv2+
libgpg-error	1.12	LGPLv2+
libgssglue	0.1	GPL+
libibverbs1	23.1	GPL-2.0-only OR BSD-2-Clause
libidn	1.28	LGPLv2+ and GPLv3+ and GFDL

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NAME	VERSION	LICENSE TYPE
libinotifytools0	3.14	GPL-2.0-only
liblog4shib1	1.0.9	LGPL
libmcrypt	2.5.8	LGPLv2+
libmlx4-1	23.1	GPL-2.0-only OR BSD-2-Clause
libmlx5-1	23.1	GPL-2.0-only OR BSD-2-Clause
libmnl	1.0.4	LGPLv2+
libmount	2.23.2	LGPLv2+
libmpc	1.0.1	LGPLv3+ and GFDL
libnet	1.1.6	BSD
libnfnetlink	1.0.1	GPLv2+
libnfsidmap	0.25	BSD
libnl3	3.2.28	LGPLv2
libpcap	1.5.3	BSD with advertising
libpwquality	1.2.3	BSD or GPLv2+
libsaml8	2.5.5	Apache 2.0
libselinux	2.2.2	Public Domain
libsemanage	2.1.10	LGPLv2+
libsepol	2.1.9	LGPLv2+
libss	1.42.9	MIT
libstdc++	4.8.5	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libsysfs	2.1.0	LGPLv2+
libtecla	1.6.1	X11
libtirpc	0.2.4	SISSL and BSD

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NAME	VERSION	LICENSE TYPE
libtool-ltdl	2.4.2	LGPLv2+
libunwind	1.1	BSD
libuser	0.6	LGPLv2+
libuuid	2.23.2	BSD
libvolume_id	127	GPLv2
libxerces-c-3_1	3.1.2	Apache 2.0
libxml-security-c17	1.7.3	Apache 2.0
libxml2	2.9.7	MIT
libxmltooling7	1.6.4	Apache-2.0
libxslt	1.1.28	MIT
libyaml	0.1.4	MIT
libyang	0.16.46	BSD-3-Clause
lm_sensors	3.3.4	LGPLv2+ and GPLv3+ and GPLv2+ and Verbatim and Public domain
lm_sensors-libs	3.3.4	LGPLv2+ and GPLv3+ and GPLv2+ and Verbatim and Public domain
lockdev	1.0.4	LGPLv2
logrotate	3.8.6	GPL+
lua	5.3.2	MIT
lzo	2.06	GPLv2+
m2crypto	0.30.1	MIT
mailx	12.5	BSD with advertising and MPLv1.1
MAKEDEV	3.23	GPL
mcelog	144	GPLv2
mingetty	1.07	GPL

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NAME	VERSION	LICENSE TYPE
module-init-tools	3.3	GPL
mpfr	3.1.1	LGPLv3+ and GPLv3+ and GFDL
ncurses	5.9	MIT
ncurses-base	5.9	MIT
ncurses-libs	5.9	MIT
ncurses-term	5.9	MIT
net-snmp	5.8	BSD
net-snmp-agent-libs	5.8	BSD
net-snmp-libs	5.8	BSD
net-snmp-utils	5.8	BSD
net-tools	2	GPLv2+
nfs-utils	1.3.0	MIT and GPLv2 and GPLv2+ and BSD
nspr	4.25.0	MPLv2.0
nss	3.53.1	MPLv2.0
nss-softokn	3.53.1	MPLv2.0
nss-softokn-freebl	3.53.1	MPLv2.0
nss-sysinit	3.53.1	MPLv2.0
nss-tools	3.53.1	MPLv2.0
nss-util	3.53.1	MPLv2.0
ntp	4.2.8p6	(MIT and BSD and BSD with advertising) and GPLv2
ntpdate	4.2.8p6	(MIT and BSD and BSD with advertising) and GPLv2
numactl-libs	2.0.9	LGPLv2 and GPLv2
oauth2client	4.0.0	Apache-2.0

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NAME	VERSION	LICENSE TYPE
open-vm-tools	10.3.10	GPLv2
openldap	2.4.40	OpenLDAP
openldap-clients	2.4.40	OpenLDAP
opensaml-schemas	2.5.5	Apache 2.0
openssh	7.7p1	BSD
openssh-clients	7.7p1	BSD
openssh-server	7.7p1	BSD
openssl	1.0.1e	OpenSSL
openssl-dpt13	1.1.1a	OpenSSL
openwsman	2.6.0	BSD-3-Clause
pam	1.1.8	BSD and GPLv2+
pam_krb5	2.4.8	BSD or LGPLv2+
pam_ldap	1.8.4	LGPL
parted	3.1	GPLv3+
passwd	0.79	BSD or GPL+
pciutils	3.2.1	GPLv2+
pciutils-libs	3.2.1	GPLv2+
pcre	8.32	BSD
pexpect	2.3	MIT
php	5.6.25	PHP and Zend and BSD
php-cli	5.6.25	PHP and Zend and BSD
php-common	5.6.25	PHP and BSD and ASL 1.0
php-pecl-jsonc	1.3.6	PHP
pinentry	0.8.1	GPLv2+

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NAME	VERSION	LICENSE TYPE
popt	1.13	MIT
pprof	2.4	BSD
procps-ng	3.3.10	GPL+ and GPLv2 and GPLv2+ and GPLv3+ and LGPLv2+
protobuf	3.2.0	New BSD License
psmisc	22.2	GPLv2+
pth	2.0.7	LGPLv2+
pymongo	3.0.3	ASL 2.0 and MIT
python	2.7.5	Python
python-backports	1	Public Domain
python-backports-ssl_match_hostname	3.4.0.2	Python
python-bloom	0.1.12	generic
python-bson	3.0.3	ASL 2.0 and MIT
python-collectd-cloudwatch	0.0.1	MIT
python-enum34	1.1.6	BSD
python-etcd3	0.8.1	MIT
python-grpcio	1.14.2	Apache License 2.0
python-httplib2	0.9.2	MIT
python-ipaddr	2.1.11	ASL 2.0
python-libevent	0.9.2	GNU LESSER GENERAL PUBLIC LICENSE
python-libs	2.7.5	Python
python-monotonic	1.5	Apache 2.0
python-psutil	3.3.0	BSD
python-pyasn1	0.1.7	BSD

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NAME	VERSION	LICENSE TYPE
python-pyasn1-modules	0.1.7	BSD
python-pycrypto	2.6.1	Public domain
python-pycurl	7.43.0	LGPL/MIT
python-pytz	2015.7	MIT
python-requests	2.13.0	Apache 2.0
python-setuptools	0.9.8	Python or ZPLv2.0
python-six	1.10.0	MIT
python-tenacity	4.12.0	ASL 2.0
python-urlgrabber	3.1	LGPLv2+
python-xmltodict	0.9.0	MIT
python2-libxml2	2.9.7	MIT
python2-typing	3.6.2	Python
python27-boto3	1.4.0	Apache-2.0
python27-botocore	1.4.42	Apache-2.0
python27-dateutil	2.5.3	BSD-3-Clause
python27-jmespath	0.9.0	MIT
PyYAML	3.1	MIT
rcs	5.9.0	GPLv3+
readline	6.2	GPLv3+
redis	6.2.6	BSD and MIT
rootfiles	8.1	Public Domain
rpcbind	0.2.0	BSD
rpm	4.11.3	GPLv2+
rpm-libs	4.11.3	GPLv2+ and LGPLv2+ with exceptions

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NAME	VERSION	LICENSE TYPE
rpm-python	4.11.3	GPLv2+
rsa	3.4.2	Apache-2.0
rsync	3.0.9	GPLv3+
s3transfer	0.1.10	Apache License 2.0
scrub	2.5.2	GPLv2+
sed	4.2.2	GPLv3+
setup	2.8.71	Public Domain
shadow-utils	4.1.5.1	BSD and GPLv2+
smartmontools	6.4	GPLv2
snappy	1.1.0	BSD
sqlite	3.7.17	Public Domain
sscep	1.0.0	BSD
sshpass	1.05	GPL
strongswan	5.6.0	GPLv2+
sysfsutils	2.1.0	GPLv2
sysklogd	1.4.1	GPL
syslog-ng	3.29.1	GPLv2+
sysstat	10.1.5	GPLv2+
SysVinit	2.86	GPL
tar	1.26	GPLv3+
tcp_wrappers	7.6	BSD
tcp_wrappers-libs	7.6	BSD
tftp	5.2	BSD
traceroute	2.0.19	GPLv2+

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NAME	VERSION	LICENSE TYPE
tzdata	2023c	Public Domain
udev	127	GPLv2
uritemplate	3.0.0	Apache-2.0 BSD-3-Clause
ustr	1.0.4	MIT or LGPLv2+ or BSD
util-linux	2.23.2	GPLv2 and GPLv2+ and LGPLv2+ and BSD with advertising and Public Domain
util-linux-extras	2.23.2	LGPLv2+
vconfig	1.9	GPL
vim-minimal	7.4.629	Vim
virt-what	1.13	GPLv2+
vixie-cron	4.1	distributable
waofflinevmod	4.3.3.501	OPSWAT
wget	1.16.2	GPL
wmi	1.3.13	GNU GPL Version 2
wpaeapol	2.6	BSD
xdelta	3.0.7	GPLv2
xe-guest-utilities	6.1.0	GPL/LGPL
xe-guest-utilities-xenstore	6.1.0	GPL/LGPL
xinetd	2.3.15	xinetd
xmltooling-schemas	1.6.4	Apache-2.0
xz-libs	5.1.2	LGPLv2+
zlib	1.2.7	zlib and Boost

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CN-Series 10.0 OSS Listing

The following open-source software (OSS) licenses are used in at least one of the CN-Series firewall products: CN-MGMT, CN-NGFW, CN-MGMT, and CNI. Each OSS license in this list specifies the software component name, version, and license type as well as where the component is used.

NAME	VERSION	LICENSE TYPE	Where Used
ACL	2.2.51	GNU Lesser General Public License v2.1 or later AND GNU General Public License v2.0 or later	CN-MGMT and CN-NGFW
ACPI Daemon	2.0.19	GNU General Public License v2.0 or later	CN-MGMT
agronholm/ pythonfutures	3.1.1	Python License 2.0	CN-MGMT
alpine-base	3.10.3	Unknown License	CNI and MGMT
alpine-baselayout	3.1.2	GNU General Public License v2.0 only	CNI and MGMT
alpine-keys	2.1	MIT License	CNI and MGMT
apk-tools	2.10.4	GNU General Public License v2.0 only	CNI and MGMT
apprenda/kismatic	v1.0.3	Apache License 2.0	CN-MGMT
ASN.1 library for Python (PAN-OS only)	0.0.5	BSD 3-clause "New" or "Revised" License	CN-MGMT
ASN.1 library for Python (VM-Series plugin only)	0.1.7	BSD 3-clause "New" or "Revised" License	CN-MGMT
Audit	2.4.1	GNU General Public License v2.0 or later	CNI and MGMT
beecrypt	4.2.1	GNU Library General Public License v2 or later	CN-MGMT

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NAME	VERSION	LICENSE TYPE	Where Used
boto3 (PAN-OS only)	1.4.0	MIT License	CN-MGMT
boto3 (VM-Series plugin only)	1.4.2	Apache License 2.0	CN-MGMT
botocore (PAN-OS only)	1.4.3	Apache License 2.0	CN-MGMT
botocore (VM-Series plugin only)	1.4.41	Apache License 2.0	CN-MGMT
BusyBox	1_31_1	GNU General Public License v2.0 or later	CNI and MGMT
c-ares	1.10.0	MIT License	CN-MGMT
ca-certificates	20190108	(GNU General Public License v2.0 or later OR Mozilla Public License 2.0)	CNI and MGMT
cni	0.6.0	Apache License 2.0	CNI and MGMT
cni-plugins	0.7.4	Apache License 2.0	CNI and MGMT
cobra	0.0.5	Apache License 2.0	CNI and MGMT
cracklib	2.9.0	GNU Lesser General Public License v2.1 or later	CN-MGMT and CN-NGFW
Cyrus SASL	2.1.26	Carnegie Mellon University License	CN-MGMT
dejavu-fonts-common	2.33	Bitstream Vera Fonts Copyright	CN-MGMT
dejavu-sans-fonts	2.33	Bitstream Vera Fonts Copyright	CN-MGMT
device-mapper	1.02.107	GNU Library General Public License v2 or later	CN-MGMT
diskscrub	2.5.2	GNU General Public License v2.0 or later	CN-MGMT

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NAME	VERSION	LICENSE TYPE	Where Used
enum34	1.1.6	BSD 3-clause "New" or "Revised" License	CN-MGMT
etcd	v3.2.22	Apache License 2.0	CN-MGMT
etcd3	0.8.1	Apache License 2.0	CN-MGMT
EventLog Library	0.2.13	BSD 3-clause "New" or "Revised" License	CN-MGMT
findutils	4.5.11	GNU General Public License v3.0 or later	CN-MGMT and CN-NGFW
fipscheck	1.4.1	BSD 3-clause "New" or "Revised" License	CN-MGMT
Gawk	4.0.2	BSD 3-clause "New" or "Revised" License AND GNU Lesser General Public License v3.0 or later AND GNU General Public License v3.0 or later	CN-MGMT
GDB (PAN-OS only)	7.11.1	GNU General Public License v3.0 or later	CN-MGMT and CN-NGFW
GDB (VM-Series plugin only)	8.2	GNU General Public License v3.0 or later	CN-MGMT and CN-NGFW
gkernel: rng-tools / ethtool	4.5	GNU General Public License v2.0 only	CN-MGMT
GLib	2.42.2	GNU Library General Public License v2 or later	CN-MGMT and CN-NGFW
glog	master	Apache License 2.0	CNI and MGMT CN-MGMT
GMP	6.0.0	GNU Lesser General Public License v3.0 only OR GNU General Public License v3.0 only OR GNU General Public License v2.0 only	CN-MGMT and CN-NGFW
GNU C Library	2.17	GNU Lesser General Public License v2.1 or later	CN-MGMT and CN-NGFW

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NAME	VERSION	LICENSE TYPE	Where Used
GNU Compiler Collection	4.8.5	GNU General Public License v3.0 or later	CN-MGMT and CN-NGFW
GNU Core Utilities	8.22	GNU General Public License v3.0 or later	CN-MGMT and CN-NGFW
GNU cpio	2.11	GNU General Public License v3.0 or later	CN-MGMT
GNU grep	2.2	GNU General Public License v3.0 or later	CN-MGMT and CN-NGFW
GNU MPFR	3.1.1	GNU Lesser General Public License v3.0 or later	CN-MGMT
GNU Ncurses (PAN-OS only)	5.9	MIT License	CN-MGMT and CN-NGFW
GNU Ncurses (VM-Series plugin only)	6	Free Software Foundation - MIT License (MIT +)	CN-MGMT and CN-NGFW
GNU Parted	3.1	GNU General Public License v3.0 or later	CN-MGMT
GNU Pth - The GNU Portable Threads	2.0.7	GNU General Public License v2.0 or later	CN-MGMT
GNU sed	4.2.2	GNU General Public License v3.0 or later	CN-MGMT and CN-NGFW
GNU tar	1.26	GNU General Public License v3.0 or later	CN-MGMT and CN-NGFW
GnuPG	2.0.22	GNU Affero General Public License v3.0 AND FSF Unlimited License AND GNU Lesser General Public License v3.0 or later AND GNU General Public License v3.0 or later	CN-MGMT
google-api-python-client	1.5.4	Apache License 2.0	CN-MGMT
google-api-python-client-legacypython	1.6.2	Apache License 2.0	CN-MGMT

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NAME	VERSION	LICENSE TYPE	Where Used
google-auth	1.0.1	Apache License 2.0	CN-MGMT
google-cloud-core	0.25.0	Apache License 2.0	CN-MGMT
google-cloud-error_reporting	1.5.2	Apache License 2.0	CN-MGMT
google-cloud-monitoring	0.24.0	Apache License 2.0	CN-MGMT
google-snappy	1.1.0	BSD 3-clause "New" or "Revised" License	CN-MGMT
grpcio	1.17.1rc1	Apache License 2.0	CN-MGMT
grr-client-templates	3.1.0.2	Apache License 2.0	CN-MGMT
gzip	1.5	GNU General Public License v3.0 or later	CN-MGMT and CN-NGFW
httplib2	0.9.2	MIT License	CN-MGMT
hwdata	0.252	GNU General Public License v2.0 or later	CN-MGMT
iproute2	3.10.0	GNU General Public License v2.0 or later	CN-MGMT and CN-NGFW
json-c	0.11	MIT License	CN-MGMT
Jython	2.7.1	Jython License	CN-MGMT and CN-NGFW
k3s	v1.17.4-alpha1+k3s1	Unknown License	CNI and MGMT
k8s	1.13.2	Apache License 2.0	CNI and MGMT
k8s-api	master	Apache License 2.0	CNI and MGMT
k8s-api-machinery	master	Apache License 2.0	CNI and MGMT
k8s-client-go	10.0.0	Apache License 2.0	CNI and MGMT
k8s.io/client-go	12.0.0	Apache License 2.0	CNI and MGMT

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NAME	VERSION	LICENSE TYPE	Where Used
libassuan	2.1.0	GNU Lesser General Public License v2.1 or later OR GNU General Public License v3.0 or later	CN-MGMT
libcalico-go	1.7.3	Apache License 2.0	CNI and MGMT
libffi	3.2.1	MIT License	CN-MGMT and CN-NGFW
libgcc	4.8.5	GNU General Public License v3.0 or later	CN-MGMT and CN-NGFW
libgcrypt	1.5.3	GNU Lesser General Public License v2.1 or later AND GNU General Public License v2.0 or later	CN-MGMT
libgpg-error	1.12	GNU Lesser General Public License v2.1 or later	CN-MGMT
libgssglue1	0.1	Xmlproc License OR Silicon Graphics New License OR BSD 3-clause "New" or "Revised" License OR Christian Michelsen Research License	CN-MGMT and CN-NGFW
LibIDN	1.28	GNU Lesser General Public License v2.1 or later	CN-MGMT and CN-NGFW
libnfsidmap-dev	0.25	BSD 3-clause "New" or "Revised" License	CN-MGMT
libpcap	1.5.3	BSD 3-clause "New" or "Revised" License	CN-MGMT and CN-NGFW
libpwquality	1.2.3	BSD 3-clause "New" or "Revised" License OR GNU General Public License v2.0 or later	CN-MGMT and CN-NGFW
LibreSSL Portable Security Libraries	2.9.1	SSLeay License AND OpenSSL License	CNI and MGMT
libstdc++	4.8.5	GNU General Public License v3.0 w/ GCC Runtime Library exception	CN-MGMT and CN-NGFW
libtirpc	0.2.4	BSD 3-clause "New" or "Revised" License	CN-MGMT and CN-NGFW

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NAME	VERSION	LICENSE TYPE	Where Used
libuser	0.6	GNU Library General Public License v2 or later	CN-MGMT and CN-NGFW
libxslt	1.1.28	BigInteger License	CN-MGMT and CN-NGFW
libyang	0.16_p3	Unknown License	CN-MGMT
Linux Diagnostic Tools	2.1.0	GNU General Public License v2.0 or later	CN-MGMT
Linux-Pam	1.1.1	BSD 3-clause "New" or "Revised" License OR GNU General Public License v2.0 or later	CN-MGMT and CN-NGFW
logrus	1.3.0	MIT License	CNI and MGMT
LZO real-time data compression library	2.06	GNU General Public License v2.0 or later	CN-MGMT and CN-NGFW
M2Crypto	0.28.2	MIT License	CN-MGMT
MAKEDEV	3.23	GNU General Public License v3.0 or later	CN-MGMT
mcrypt	2.5.8	GNU General Public License v3.0 or later	CN-MGMT
mpfr-dev	3.1.1	GNU Lesser General Public License v3.0 or later OR GNU General Public License v3.0 or later	CN-MGMT
musl	1.1.22	MIT License	CNI and MGMT
ncurses-term	5.9	X11 License OR BSD 3-clause "New" or "Revised" License OR BigInteger License	CN-MGMT and CN-NGFW
net-tools	2	GNU General Public License v2.0 or later	CN-MGMT and CN-NGFW
netlink	1.0.0	Apache License 2.0	CNI and MGMT
netns	master	Apache License 2.0	CNI and MGMT
NFS	1.3.0	MIT License AND BSD 3-clause "New" or "Revised" License AND	CN-MGMT

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NAME	VERSION	LICENSE TYPE	Where Used
		GNU General Public License v2.0 or later	
node-ncurses	0.3.0	MIT License	CN-MGMT and CN-NGFW
nss-softokn-freebl	3.33.0	Mozilla Public License 2.0	CN-MGMT
Open Virtual Machine Tools	10.3.5	GNU Lesser General Public License v2.1 only	CN-MGMT
OpenLDAP	2.4.40	Open LDAP Public License v2.8	CN-MGMT and CN-NGFW
OpenSAML 2.0	3.0.0	Apache License 2.0	CN-MGMT
OpenSSL	1.0.1e	SSLeay License AND OpenSSL License	CN-MGMT and CN-NGFW
OpenSSL	1.1.1d	SSLeay License AND OpenSSL License	CNI and MGMT CN-MGMT
otj-pg-embedded	0.11.2	Apache License 2.0	CN-MGMT
Owl Intranet Knowledgebase	Owl 1.0x	GNU General Public License v3.0 or later	CN-MGMT
pam_krb5	2.4.8	BSD 3-clause "New" or "Revised" License	CN-MGMT
passwd	0.79	BSD 3-clause "New" or "Revised" License AND GNU General Public License v2.0 or later	CN-MGMT
PaX Utilities	1.2.3	GNU General Public License v2.0 only	CNI and MGMT
PCRE	8.32	PCRE License	CN-MGMT and CN-NGFW
pexpect	2.3	Python-LDAP License	CN-MGMT and CN-NGFW
pinentry-gtk2	0.8.1	GNU General Public License v2.0 or later	CN-MGMT

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NAME	VERSION	LICENSE TYPE	Where Used
Procps	3.3.10	GNU Library General Public License v2 or later AND GNU General Public License v2.0 or later	CN-MGMT and CN-NGFW
protobuf-php/ protobuf	3.1.0.post1	BSD 3-clause "New" or "Revised" License	CN-MGMT
Protocol Buffers	3.2.0	BSD 3-clause "New" or "Revised" License	CN-MGMT
psmisc	22.2	GNU General Public License v2.0 or later	CN-MGMT
psutil	3.2.1	BSD 3-clause "New" or "Revised" License	CN-MGMT and CN-NGFW
py-boto3	1.9.75	Apache License 2.0	CN-MGMT
py-jmespath	0.9.0	MIT License	CN-MGMT
py-oauth2client	4.0.0	Apache License 2.0	CN-MGMT
py-requests	2.13.0	Apache License 2.0	CN-MGMT
py-uritemplate	3.0.0	BSD 3-clause "New" or "Revised" License	CN-MGMT
py-urlgrabber-doc	3.10.1	GNU Library General Public License v2 or later	CN-MGMT
PyCrypto	2.6.1	Public Domain	CN-MGMT
PyMongo	3.0.3	Apache License 2.0	CN-MGMT
pypa/setuptools	0.9.8	Python License 2.0	CN-MGMT
Python six	1.10.0	Expat License	CN-MGMT
python-backports-ssl_match_hostname	3.4.0.2	Python License 2.0	CN-MGMT
python-dateutil	2.5.3	BSD 2-clause "Simplified" License	CN-MGMT
python-libevent	0.9.2	GNU Lesser General Public License v3.0 or later	CN-MGMT

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NAME	VERSION	LICENSE TYPE	Where Used
python-pyasn1	0.1.7	BSD 3-clause "New" or "Revised" License	CN-MGMT
python-s3transfer	0.1.10	Apache License 2.0	CN-MGMT
python-urwid	0.9.8.3	GNU Lesser General Public License v2.1 or later	CN-MGMT
python2-pyyaml	3.12	MIT License	CN-MGMT and CN-NGFW
pythonfutures	3.1.1	Python License 2.0	CN-MGMT
PyTZ - Python Time Zone Library	2015.7	MIT License	CN-MGMT
PyYAML - a YAML parser and emitter for Python	3.1	MIT License	CN-MGMT and CN-NGFW
rancher/rancher-net	v0.3.1	Unknown License	CN-MGMT and CN-NGFW
rcs	5.9.0	GNU General Public License v3.0 or later	CN-MGMT
Readline	6.2	GNU General Public License v2.0 or later	CN-MGMT and CN-NGFW
RPM	4.11.3	GNU Lesser General Public License v2.1 or later AND GNU General Public License v2.0 or later	CN-MGMT and CN-NGFW
rsa-legacypython	3.4.2	Apache License 2.0	CN-MGMT
rsync	3.0.9	GNU General Public License v3.0 or later	CN-MGMT and CN-NGFW
s3transfer	0.1.3	Apache License 2.0	CN-MGMT
Shadow Tool Suite	4.1.5.1	GNU General Public License v1.0 or later OR BSD 3-clause "New" or "Revised" License OR GNU General Public License v2.0 or later	CN-MGMT and CN-NGFW

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NAME	VERSION	LICENSE TYPE	Where Used
syslog-ng	3.8.1	GNU General Public License v2.0 or later	CN-MGMT
syslog-ng-python	3.8.1	GNU General Public License v2.0 only	CN-MGMT
tcp-wrappers	7.6	BSD 2-clause "Simplified" License	CN-MGMT and CN-NGFW
testing-postgresql-server	0.4	Apache License 2.0	CN-MGMT
The PCI Utilities	3.2.1	GNU General Public License v2.0 or later	CN-MGMT
Time Zone Database (PAN-OS only)	2018g	Public Domain	CN-MGMT and CN-NGFW
Time Zone Database (VM-Series plugin only)	2018i	Public Domain	CN-MGMT and CN-NGFW
traceroute	2.0.19	GNU General Public License v2.0 or later	CN-MGMT
trivy	0.1.7	GNU Affero General Public License v3.0	CN-MGMT and CN-NGFW
typing	3.6.2	Python License 2.0	CN-MGMT
uritemplate-py	3.0.0	Apache License 2.0 OR BSD 3-clause "New" or "Revised" License	CN-MGMT
urlgrabber	4.0.0	GNU Library General Public License v2 or later	CN-MGMT
ustr	1.0.4	MIT License	CN-MGMT and CN-NGFW
util-linux	2.23.2	GNU General Public License v2.0 or later	CN-MGMT
xinetd	2.3.15	Christian Michelsen Research License	CN-MGMT

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NAME	VERSION	LICENSE TYPE	Where Used
XMLTooling-C	1.5.6	Apache License 2.0	CN-MGMT
XZ Utils	5.1.2	GNU Lesser General Public License v2.1 or later AND Public Domain AND GNU General Public License v2.0 or later AND GNU General Public License v3.0 or later	CN-MGMT and CN-NGFW
zlib	1.2.11	zlib License	CNI and MGMT

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Panorama OSS Listings

The following sections display Open-Source Software (OSS) licenses specific to each PAN-OS® feature release for Panorama™ appliances.

These listings capture the component versions found in the most recent maintenance release of each software version. Whenever possible, Palo Alto Networks recommends that you upgrade to the latest maintenance release for the version you are running on your appliances because each maintenance release contains additional enhancements and bug fixes as well updates that address security vulnerabilities. If you are not able to upgrade to the latest version, you should consult the PAN-OS release notes for the version you are running to determine whether there are component updates in later versions.

- Panorama 11.2 OSS Listing
- Panorama 11.1 OSS Listing
- Panorama 11.0 OSS Listing
- Panorama 10.2 OSS Listing
- Panorama 10.1 OSS Listing
- Panorama 10.0 OSS Listing
- Panorama 9.1 OSS Listing
- Panorama 9.0 OSS Listing
- Panorama 8.1 OSS Listing
- Panorama 8.0 OSS Listing
- Panorama 7.1 OSS Listing
- Panorama 7.0 OSS Listing
- Panorama 6.1 OSS Listing
- Panorama 6.0 OSS Listing
- Panorama 5.0 OSS Listing
- Panorama 4.1 OSS Listing
- Panorama 4.0 OSS Listing

Panorama 11.2 OSS Listing

NAME	VERSION	LICENSE TYPE
acl	2.2.53	GPLv2+
acpid	2.0.30	GPLv2+
adal	1.2.6	MIT
apr	1.6.3	ASL 2.0 and BSD with advertising and ISC and BSD
apr-util	1.6.1	ASL 2.0
audit	3	GPLv2+
audit-libs	3	LGPLv2+
basesystem	11	Public Domain
bash	4.4.19	GPLv3+
beecrypt	4.2.1	LGPLv2+
bind	9.11.36	MPLv2.0
bind-export-libs	9.11.36	MPLv2.0
bind-libs	9.11.36	MPLv2.0
bind-libs-lite	9.11.36	MPLv2.0
bind-license	9.11.36	MPLv2.0
bind-utils	9.11.36	MPLv2.0
binutils	2.3	GPLv3+
bonnie++	1.98	GPLv2
brotli	1.0.6	MIT
bzip2	1.0.6	BSD
bzip2-libs	1.0.6	BSD
CADP_for_C	8.14.1.001	CipherTrust Manager

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NAME	VERSION	LICENSE TYPE
chicken	3.0.0	BSD
chkconfig	1.13	GPLv2
cjson	1	MIT and ASL 2.0
coreutils	8.3	GPLv3+
coreutils-common	8.3	GPLv3+
corosync	3.0.3	BSD
corosynclib	3.0.3	BSD
cpio	2.12	GPLv3+
cpp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
cracklib	2.9.6	LGPLv2+
cracklib-dicts	2.9.6	LGPLv2+
crash	7.2.8	GPLv3
crontabs	1.11	Public Domain and GPLv2
crypto-policies	20200713	LGPLv2+
crypto-policies-scripts	20200713	LGPLv2+
CUnit	2.1.3	LGPLv2+
curl-minimal	7.61.1	MIT
davici	1.3.0	LGPLv2.1+
dejavu-fonts-common	2.35	Bitstream Vera and Public Domain
dejavu-sans-fonts	2.35	Bitstream Vera and Public Domain
device-mapper	1.02.171	GPLv2
device-mapper-libs	1.02.171	LGPLv2
dhcp-client	4.3.6	ISC

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NAME	VERSION	LICENSE TYPE
dhcp-common	4.3.6	ISC
dhcp-devel	4.3.6	ISC
dhcp-libs	4.3.6	ISC
diffutils	3.6	GPLv3+
dmidecode	3.2	GPLv2+
dosfstools	4.1	GPLv3+
dracut	49	GPLv2+ and LGPLv2+
e2fsprogs	1.45.6	GPLv2
e2fsprogs-libs	1.45.6	GPLv2 and LGPLv2
efitools	1.9.2	GPLv2
efivar	37	LGPL-2.1
efivar-libs	37	LGPL-2.1
elasticsearch	7.17.14	ASL 2.0
elfutils-default-yama-scope	0.18	GPLv2+ or LGPLv3+
elfutils-libelf	0.18	GPLv2+ or LGPLv3+
elfutils-libs	0.18	GPLv2+ or LGPLv3+
ethtool	5	GPLv2
eventlog	0.2.12	BSD-like
expat	2.2.5	MIT
fastlz	0.1.0	MIT
file	5.33	BSD
file-libs	5.33	BSD
filesystem	3.8	Public Domain
findutils	4.6.0	GPLv3+

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NAME	VERSION	LICENSE TYPE
fipscheck	1.5.0	BSD
fipscheck-lib	1.5.0	BSD
flatcc	0.6.1	Apache License Version 2.0
fontconfig	2.13.1	MIT and Public Domain and UCD
fontpackages-filesystem	1.44	Public Domain
freetype	2.9.1	(FTL or GPLv2+) and BSD and MIT and Public Domain and zlib with acknowledgement
fuse	2.9.7	GPL+
fuse-common	3.2.1	GPL+
gawk	4.2.1	GPLv3+ and GPLv2+ and LGPLv2+ and BSD
gc	7.6.4	BSD
gdb	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL + and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdb-headless	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL + and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdbm	1.18	GPLv3+
gdbm-libs	1.18	GPLv3+
gdisk	1.0.3	GPLv2
glib2	2.56.4	LGPLv2+
glibc	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-common	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL

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NAME	VERSION	LICENSE TYPE
glibc-langpack-en	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
gmp	6.1.2	LGPLv3+ or GPLv2+
gnupg2	2.2.20	GPLv3+
gnutls	3.6.16	GPLv3+ and LGPLv2+
google-api-python-client	1.12.8	Apache 2.0
google-auth	1.26.1	Apache 2.0
google-auth-httplib2	0.0.4	Apache 2.0
google-cloud-core	1.6.0	Apache 2.0
google-cloud-monitoring	2.0.0	Apache 2.0
google-cloud-storage	1.36.0	Apache 2.0
googleapis-common-protos	1.52.0	Apache-2.0
gperftools-devel	2.4	BSD
gperftools-libs	2.4	BSD
gpgme	1.13.1	LGPLv2+
grep	3.1	GPLv3+
grub	6.0.97	GPL
grub	7.0.97	GPLv2+
grub-cfg	11.2.5.1	GPL
grub2-noraid-efi-x64	2.02	GPLv3+
gsoap	2.8.6	gsoap
guile	2.0.14	LGPLv3+
gzip	1.9	GPLv3+ and GFDL
hiredis	1.0.2	BSD

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NAME	VERSION	LICENSE TYPE
hostname	3.2	GPLv2+
httpd	2.4.37	ASL 2.0
httpd-filesystem	2.4.37	ASL 2.0
httpd-tools	2.4.37	ASL 2.0
hyperscan	4.2.0	BSD License
ima-evm-utils	1.1	GPLv2
info	6.5	GPLv3+
initscripts	8.45.17	GPL
ipcalc	0.2.4	GPLv2+
ipmitool	1.8.18	BSD
iproute	5.3.0	GPLv2+ and Public Domain
iptables	1.8.4	GPLv2 and Artistic 2.0 and ISC
iptables-libs	1.8.4	GPLv2 and Artistic 2.0 and ISC
iptables-utils	1.8.4	GPLv2 and Artistic 2.0 and ISC
iputils	20180629	BSD and GPLv2+
irqbalance	1.4.0	GPLv2
ivykis	0.42.4	LGPLv2+
jre	1.8.0_201	Oracle Binary Code License Agreement For JRE
json-c	0.13.1	MIT
kernel-core	4.18.0	GPLv2 and Redistributable, no modification permitted
kernel-dbinfo	4.18.0	GPLv2 and Redistributable, no modification permitted
kernel-modules	4.18.0	GPLv2 and Redistributable, no modification permitted

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NAME	VERSION	LICENSE TYPE
kexec-tools	2.0.20	GPLv2
keyutils	1.5.10	GPLv2+ and LGPLv2+
keyutils-libs	1.5.10	GPLv2+ and LGPLv2+
kmod	25	GPLv2+
kmod-libs	25	LGPLv2+
krb5-libs	1.18.2	MIT
krb5-workstation	1.18.2	MIT
lcms2	2.9	MIT
less	530	GPLv3+ or BSD
leveldb	1.22	BSD
libacl	2.2.53	LGPLv2+
libarchive	3.3.2	BSD
libassuan	2.5.1	LGPLv2+ and GPLv3+
libatomic_ops	7.6.2	GPLv2 and MIT
libattr	2.4.48	LGPLv2+
libbabeltrace	1.5.4	MIT and GPLv2
libblkid	2.32.1	LGPLv2+
libbson	1.17.6	ASL 2.0 and ISC and MIT and zlib
libcap	2.48	BSD or GPLv2
libcap-ng	0.7.9	LGPLv2+
libcom_err	1.45.6	MIT
libcurl-minimal	7.61.1	MIT
libdb	5.3.28	BSD and LGPLv2 and Sleepycat
libdb-utils	5.3.28	BSD and LGPLv2 and Sleepycat

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NAME	VERSION	LICENSE TYPE
libdrng	1.0.4	Intel (3-clause BSD)
libedit	3.1	BSD
libedit1	2.11	libedit
libevent	2.1.8	BSD and ISC
libfdisk	2.32.1	LGPLv2+
libffi	3.1	MIT
libgcc	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgcrypt	1.8.5	LGPLv2+
libgomp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgpg-error	1.31	LGPLv2+
libibverbs	29	GPLv2 or BSD
libicu	60.3	MIT and UCD and Public Domain
libidn	1.34	LGPLv2+ and GPLv3+ and GFDL
libidn2	2.2.0	(GPLv2+ or LGPLv3+) and GPLv3+
libipt	1.6.1	BSD
libjpeg-turbo	1.5.3	IJG
libkadm5	1.18.2	MIT
libknet1	1.16	LGPLv2+
libknet1-crypto-nss-plugin	1.16	LGPLv2+
libksba	1.3.5	(LGPLv3+ or GPLv2+) and GPLv3+
liblog4shib2	2.0.0	LGPL
libmaxminddb	1.2.0	ASL 2.0 and BSD

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NAME	VERSION	LICENSE TYPE
libmcrypt	2.5.8	LGPLv2+
libmetalink	0.1.3	MIT
libmnl	1.0.4	LGPLv2+
libmongocrypt	1.2.0	ASL 2.0 and ISC
libmount	2.32.1	LGPLv2+
libnet	1.1.6	BSD
libnetfilter_conntrack	1.0.6	GPLv2+
libnfnetlink	1.0.1	GPLv2+
libnfsidmap	2.3.3	BSD
libnftnl	1.1.5	GPLv2+
libnghttp2	1.33.0	MIT
libnl3	3.5.0	LGPLv2
libnsl	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
libnsl2	1.2.0	BSD and LGPLv2+
libpcap	1.9.1	BSD with advertising
libpkgconf	1.4.2	ISC
libpng	1.6.34	zlib
libpsl	0.20.2	MIT
libpwquality	1.4.0	BSD or GPLv2+
libqb	1.0.3	LGPLv2+
libradius	1	libradius
librdkafka	0.11.4	BSD
libsaml12	3.2.0	Apache-2.0

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NAME	VERSION	LICENSE TYPE
libseccomp	2.4.3	LGPLv2
libsecret	0.18.6	LGPLv2+
libselinux	2.9	Public Domain
libselinux-utils	2.9	Public Domain
libsemanage	2.9	LGPLv2+
libsepol	2.9	LGPLv2+
libsigsegv	2.11	GPLv2+
libsmartcols	2.32.1	LGPLv2+
libss	1.45.6	MIT
libstdc++	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libsysfs	2.1.0	LGPLv2+
libtasn1	4.13	GPLv3+ and LGPLv2+
libtecla	1.6.1	X11
libtiff	4.0.9	libtiff
libtirpc	1.1.4	SISSL and BSD
libtool-ltdl	2.4.6	LGPLv2+
libunistring	0.9.9	GPLv2+ or LGPLv3+
libunwind	1.3.1	BSD
libusbx	1.0.23	LGPLv2+
libuser	0.62	LGPLv2+
libuuid	2.32.1	BSD
libverto	0.3.0	MIT
libvolume_id	127	GPLv2

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NAME	VERSION	LICENSE TYPE
libwsman1	2.6.5	BSD
libxcrypt	4.1.1	LGPLv2+ and BSD and Public Domain
libxerces-c-3_2	3.2.3	Apache
libxml-security-c20	2.0.2	Apache 2.0
libxml2	2.9.7	MIT
libxmltooling10	3.2.0	Apache-2.0
libxslt	1.1.32	MIT
libyaml	0.1.7	MIT
libzip	1.6.1	BSD
libzstd	1.4.4	BSD and GPLv2
lm_sensors	3.4.0	GPLv2+ and Verbatim and MIT
lm_sensors-libs	3.4.0	LGPLv2+
lmdb-libs	0.9.24	OpenLDAP
lockdev	1.0.4	LGPLv2
logrotate	3.14.0	GPLv2+
lsof	4.93.2	zlib and Sendmail and LGPLv2+
lua	5.3.4	MIT
lua-libs	5.3.4	MIT
lz4-libs	1.8.3	GPLv2+ and BSD
lzo	2.08	GPLv2+
mailx	12.5	BSD with advertising and MPLv1.1
MAKEDEV	3.23	GPL
mariadb-connector-c	3.1.11	LGPLv2+
mariadb-connector-c-config	3.1.11	LGPLv2+

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NAME	VERSION	LICENSE TYPE
mdadm	4.1	GPLv2+
mingetty	1.07	GPL
mongo	1	metaswitch
mongo-c-driver-libs	1.17.6	ASL 2.0 and ISC and MIT and zlib
mongodb	3.6.19	SSPL v1
mpfr	3.1.6	LGPLv3+ and GPLv3+ and GFDL
ms2frr	11.0.828	(NetDEF)
msrest	0.6.21	MIT License
msrestazure	0.6.4	MIT License
ncurses	6.1	MIT
ncurses-base	6.1	MIT
ncurses-libs	6.1	MIT
ncurses-term	6.1	MIT
net-snmp	5.8	BSD
net-snmp-agent-libs	5.8	BSD
net-snmp-libs	5.8	BSD
net-snmp-utils	5.8	BSD
net-tools	2	GPLv2+
nettle	3.4.1	LGPLv3+ or GPLv2+
nfs-utils	2.3.3	MIT and GPLv2 and GPLv2+ and BSD
nginx-bin	1.20.1	BSD
nginx-filesystem	1.20.1	BSD
nodejs	16.17.1	MIT and ASL 2.0 and ISC and BSD
npth	1.5	LGPLv2+

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NAME	VERSION	LICENSE TYPE
nspr	4.35.0	MPLv2.0
nss	3.90.0	MPLv2.0
nss-pam-ldapd	0.9.9	LGPLv2+
nss-softokn	3.90.0	MPLv2.0
nss-softokn-freebl	3.90.0	MPLv2.0
nss-sysinit	3.90.0	MPLv2.0
nss-tools	3.90.0	MPLv2.0
nss-util	3.90.0	MPLv2.0
ntfs-3g	2017.3.23	GPLv2+
ntfsprogs	2017.3.23	GPLv2+
ntp	4.2.8p15	MIT and BSD and BSD with advertising
ntpdate	4.2.8p15	MIT and BSD and BSD with advertising
ntpstat	0.5	MIT
numactl-libs	2.0.12	LGPLv2 and GPLv2
oniguruma5php	6.9.7.1	BSD
open-vm-tools	12.1.0	GPLv2
openjpeg2	2.4.0	BSD and MIT
openldap	2.4.46	OpenLDAP
openldap-clients	2.4.46	OpenLDAP
opensaml-schemas	3.2.0	Apache-2.0
openssh	8.0p1	BSD
openssh-clients	8.0p1	BSD
openssh-server	8.0p1	BSD
openssl	1.1.1g	OpenSSL and ASL 2.0

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NAME	VERSION	LICENSE TYPE
openssl-libs	1.1.1g	OpenSSL and ASL 2.0
openwsman-client	2.6.5	BSD
openwsman-server	2.6.5	BSD
p11-kit	0.23.22	BSD
p11-kit-trust	0.23.22	BSD
pacparser	1.3.7	LGPL
pam	1.3.1	BSD and GPLv2+
pam_krb5	2.4.8	BSD or LGPLv2+
panos-release	8.3	GPLv2
parted	3.2	GPLv3+
passwd	0.8	BSD or GPL+
pciutils-libs	3.6.4	GPLv2+
pcre	8.42	BSD
pcre2	10.32	BSD
perf	4.18.0	GPLv2
phantomjs	1.9.8	BSD
php	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-bcmath	7.4.33	PHP and LGPLv2+
php-cli	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA and PostgreSQL
php-common	7.4.33	PHP and BSD
php-embedded	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-fpm	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA

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NAME	VERSION	LICENSE TYPE
php-gmp	7.4.33	PHP
php-json	7.4.33	PHP
php-mbstring	7.4.33	PHP and LGPLv2 and OpenLDAP
php-mysqlnd	7.4.33	PHP
php-pdo	7.4.33	PHP
php-pecl-mongodb	1.9.1	ASL 2.0
php-xml	7.4.33	PHP
pinentry	1.1.0	GPLv2+
pkgconf	1.4.2	ISC
pkgconf-m4	1.4.2	GPLv2+ with exceptions
pkgconf-pkg-config	1.4.2	ISC
platform-python	3.6.8	Python
platform-python-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
platform-python-setuptools	39.2.0	MIT
policycoreutils	2.9	GPLv2
popt	1.16	MIT
pprof	2.4	BSD
procps-ng	3.3.15	GPL+ and GPLv2 and GPLv2+ and GPLv3+ and LGPLv2+
protobuf	3.5.0	BSD
psmisc	23.1	GPLv2+
pth	2.0.7	LGPLv2+
publicsuffix-list-dafsa	20180723	MPLv2.0
pybloomfiltermmap3	0.4.15	MIT License

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NAME	VERSION	LICENSE TYPE
pycrypto	2.6.1	Public Domain
python-azure-sdk	4.0.0	MIT and ASL 2.0
python-collectd-cloudwatch	0.0.2	MIT
python-libevent	0.9.2	LGPL
python3-asn1crypto	0.24.0	MIT
python3-audit	3	LGPLv2+
python3-bind	9.11.36	MPLv2.0
python3-bloom	0.10.0	BSD
python3-bson	3.7.0	ASL 2.0 and MIT
python3-catkin_pkg	0.4.23	BSD
python3-certifi	2018.10.15	MPLv2.0
python3-cffi	1.11.5	MIT
python3-chardet	3.0.4	LGPLv2
python3-cryptography	3.2.1	ASL 2.0 or BSD
python3-dateutil	2.6.1	BSD
python3-distro	1.4.0	ASL 2.0
python3-docutils	0.14	Public Domain and BSD and Python and GPLv3+
python3-empy	3.3.4	LGPLv2+
python3-fasteners	0.14.1	ASL 2.0
python3-httplib2	0.10.3	MIT
python3-idna	2.5	BSD and Python and Unicode
python3-isodate	0.6.0	BSD
python3-jwt	1.6.1	MIT

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NAME	VERSION	LICENSE TYPE
python3-kubernetes	11.0.0	ASL 2.0
python3-libs	3.6.8	Python
python3-libxml2	2.9.7	MIT
python3-m2crypto	0.35.2	MIT
python3-oauth2client	4.1.3	ASL 2.0
python3-oauthlib	2.1.0	BSD
python3-pexpect	4.3.1	MIT
python3-pillow	5.1.1	MIT
python3-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
python3-pip-wheel	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
python3-ply	3.9	BSD
python3-psutil	5.6.4	BSD
python3-ptyprocess	0.5.2	ISC
python3-pyasn1	0.3.7	BSD
python3-pyasn1-modules	0.3.7	BSD
python3-pycparser	2.14	BSD
python3-pycurl	7.43.0.2	LGPLv2+ or MIT
python3-pymongo	3.7.0	ASL 2.0 and MIT
python3-pyOpenSSL	18.0.0	ASL 2.0
python3-pyparsing	2.1.10	MIT
python3-pypdf2	1.26.0	BSD
python3-pytz	2019.3	MIT

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NAME	VERSION	LICENSE TYPE
python3-pyyaml	3.12	MIT
python3-reportlab	3.4.0	BSD
python3-requests	2.20.0	ASL 2.0
python3-rosdep	0.19.0	BSD
python3-rosdistro	0.8.3	BSD and MIT
python3-rospkg	1.2.8	BSD
python3-rpm	4.14.3	GPLv2+
python3-setuptools	39.2.0	MIT
python3-setuptools-wheel	39.2.0	MIT
python3-six	1.11.0	MIT
python3-uritemplate	3.0.0	BSD
python3-urlgrabber	4.1.0	LGPLv2+
python3-urllib3	1.24.2	MIT
python3-vcstools	0.1.42	BSD
python3-websocket-client	0.56.0	BSD
python36	3.6.8	Python
quota	4.04	BSD and GPLv2 and GPLv2+
quota-nls	4.04	BSD and LGPLv2+ and GPLv2 and GPLv2+
rcs	5.10.0	GPLv3+
rdma-core	29	GPLv2 or BSD
readline	7	GPLv3+
redis	6.2.6	BSD and MIT
requests-oauthlib	1.3.0	ISC
rootfiles	8.1	Public Domain

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NAME	VERSION	LICENSE TYPE
rpcbind	1.2.5	BSD
rpm	4.14.3	GPLv2+
rpm-build-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rpm-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rpm-plugin-selinux	4.14.3	GPLv2+
rsa	4.8	Apache License Version 2.0
sbsigntools	0.9.2	GPLv3+
scrub	2.5.2	GPLv2+
sed	4.5	GPLv3+
selinux-policy	3.14.3	GPLv2+
selinux-policy-targeted	3.14.3	GPLv2+
setup	2.12.2	Public Domain
shadow-utils	4.6	BSD and GPLv2+
shim-x64	15	BSD
smartmontools	7.1	GPLv2+
snappy	1.1.8	BSD
sqlite	3.26.0	Public Domain
sqlite-libs	3.26.0	Public Domain
sscep	0.9.0	BSD
sshpass	1.06	GPLv2
strongswan	5.9.3	GPLv2+
sysfsutils	2.1.0	GPLv2
syslog-ng	3.29.1	GPLv2+
sysstat	11.7.3	GPLv2+

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NAME	VERSION	LICENSE TYPE
SysVinit	2.86	GPL
tacacs	1	metaswitch
tar	1.3	GPLv3+
tcp_wrappers	7.6	BSD
tcp_wrappers-libs	7.6	BSD
tcpdump	4.9.3	BSD with advertising
tecla	1.6.3	X11
telnet	0.17	BSD
telnet-server	0.17	BSD
tftp	5.2	BSD
timedatex	0.5	GPLv2+
tpm2-tss	2.3.2	BSD
traceroute	2.1.0	GPLv2+
tzdata	2023c	Public Domain
udev	127	GPLv2
unixODBC	2.3.7	GPLv2+ and LGPLv2+
ustr	1.0.4	MIT or LGPLv2+ or BSD
util-linux	2.32.1	GPLv2 and GPLv2+ and LGPLv2+ and BSD with advertising and Public Domain
util-linux-user	2.32.1	GPLv2
vim-minimal	8.0.1763	Vim and MIT
vixie-cron	4.1	distributable
waofflinevmod	4.3.3.501	OPSWAT
wget	1.19.5	GPLv3+
which	2.21	GPLv3

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NAME	VERSION	LICENSE TYPE
wpaeapol	2.9	BSD
xinetd	2.3.15	xinetd
xmlsec1	1.2.25	MIT
xmlsec1-openssl	1.2.25	MIT
xmltodict	0.12.0	MIT
xmltooling-schemas	3.2.0	Apache-2.0
xz	5.2.4	GPLv2+ and Public Domain
xz-libs	5.2.4	Public Domain
zlib	1.2.11	zlib and Boost

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NAME	VERSION	LICENSE TYPE
acl	2.2.53	GPLv2+
acpid	2.0.30	GPLv2+
adal	1.2.6	MIT
apr	1.6.3	ASL 2.0 and BSD with advertising and ISC and BSD
apr-util	1.6.1	ASL 2.0
audit	3	GPLv2+
audit-libs	3	LGPLv2+
basesystem	11	Public Domain
bash	4.4.19	GPLv3+
beecrypt	4.2.1	LGPLv2+
bind	9.11.36	MPLv2.0
bind-export-libs	9.11.36	MPLv2.0
bind-libs	9.11.36	MPLv2.0
bind-libs-lite	9.11.36	MPLv2.0
bind-license	9.11.36	MPLv2.0
bind-utils	9.11.36	MPLv2.0
binutils	2.3	GPLv3+
bonnie++	1.98	GPLv2
brotli	1.0.6	MIT
bzip2	1.0.6	BSD
bzip2-libs	1.0.6	BSD
CADP_for_C	8.14.1.001	CipherTrust Manager

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NAME	VERSION	LICENSE TYPE
chicken	3.0.0	BSD
chkconfig	1.13	GPLv2
cjson	1	MIT and ASL 2.0
coreutils	8.3	GPLv3+
coreutils-common	8.3	GPLv3+
corosync	3.0.3	BSD
corosynclib	3.0.3	BSD
cpio	2.12	GPLv3+
cpp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
cracklib	2.9.6	LGPLv2+
cracklib-dicts	2.9.6	LGPLv2+
crash	7.2.8	GPLv3
crontabs	1.11	Public Domain and GPLv2
crypto-policies	20200713	LGPLv2+
crypto-policies-scripts	20200713	LGPLv2+
CUnit	2.1.3	LGPLv2+
curl-minimal	7.61.1	MIT
davici	1.3.0	LGPLv2.1+
dejavu-fonts-common	2.35	Bitstream Vera and Public Domain
dejavu-sans-fonts	2.35	Bitstream Vera and Public Domain
device-mapper	1.02.171	GPLv2
device-mapper-libs	1.02.171	LGPLv2
dhcp-client	4.3.6	ISC

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NAME	VERSION	LICENSE TYPE
dhcp-common	4.3.6	ISC
dhcp-devel	4.3.6	ISC
dhcp-libs	4.3.6	ISC
diffutils	3.6	GPLv3+
dmidecode	3.2	GPLv2+
dosfstools	4.1	GPLv3+
dracut	49	GPLv2+ and LGPLv2+
e2fsprogs	1.45.6	GPLv2
e2fsprogs-libs	1.45.6	GPLv2 and LGPLv2
efitools	1.9.2	GPLv2
efivar	37	LGPL-2.1
efivar-libs	37	LGPL-2.1
elasticsearch	7.17.14	ASL 2.0
elfutils-default-yama-scope	0.18	GPLv2+ or LGPLv3+
elfutils-libelf	0.18	GPLv2+ or LGPLv3+
elfutils-libs	0.18	GPLv2+ or LGPLv3+
ethtool	5	GPLv2
eventlog	0.2.12	BSD-like
expat	2.2.5	MIT
fastlz	0.1.0	MIT
file	5.33	BSD
file-libs	5.33	BSD
filesystem	3.8	Public Domain
findutils	4.6.0	GPLv3+

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NAME	VERSION	LICENSE TYPE
fipscheck	1.5.0	BSD
fipscheck-lib	1.5.0	BSD
flatcc	0.6.1	Apache License Version 2.0
fontconfig	2.13.1	MIT and Public Domain and UCD
fontpackages-filesystem	1.44	Public Domain
freetype	2.9.1	(FTL or GPLv2+) and BSD and MIT and Public Domain and zlib with acknowledgement
fuse	2.9.7	GPL+
fuse-common	3.2.1	GPL+
gawk	4.2.1	GPLv3+ and GPLv2+ and LGPLv2+ and BSD
gc	7.6.4	BSD
gdb	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL + and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdb-headless	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL + and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdbm	1.18	GPLv3+
gdbm-libs	1.18	GPLv3+
gdisk	1.0.3	GPLv2
glib2	2.56.4	LGPLv2+
glibc	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-common	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL

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NAME	VERSION	LICENSE TYPE
glibc-langpack-en	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
gmp	6.1.2	LGPLv3+ or GPLv2+
gnupg2	2.2.20	GPLv3+
gnutls	3.6.16	GPLv3+ and LGPLv2+
google-api-python-client	1.12.8	Apache 2.0
google-auth	1.26.1	Apache 2.0
google-auth-httplib2	0.0.4	Apache 2.0
google-cloud-core	1.6.0	Apache 2.0
google-cloud-monitoring	2.0.0	Apache 2.0
google-cloud-storage	1.36.0	Apache 2.0
googleapis-common-protos	1.52.0	Apache-2.0
gperftools-devel	2.4	BSD
gperftools-libs	2.4	BSD
gpgme	1.13.1	LGPLv2+
grep	3.1	GPLv3+
grub	6.0.97	GPL
grub	7.0.97	GPLv2+
grub-cfg	11.1.8.1	GPL
grub2-noraid-efi-x64	2.02	GPLv3+
gsoap	2.8.6	gsoap
guile	2.0.14	LGPLv3+
gzip	1.9	GPLv3+ and GFDL
hiredis	1.0.2	BSD

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NAME	VERSION	LICENSE TYPE
hostname	3.2	GPLv2+
httpd	2.4.37	ASL 2.0
httpd-filesystem	2.4.37	ASL 2.0
httpd-tools	2.4.37	ASL 2.0
hyperscan	4.2.0	BSD License
ima-evm-utils	1.1	GPLv2
info	6.5	GPLv3+
initscripts	8.45.17	GPL
ipcalc	0.2.4	GPLv2+
ipmitool	1.8.18	BSD
iproute	5.3.0	GPLv2+ and Public Domain
iptables	1.8.4	GPLv2 and Artistic 2.0 and ISC
iptables-libs	1.8.4	GPLv2 and Artistic 2.0 and ISC
iptables-utils	1.8.4	GPLv2 and Artistic 2.0 and ISC
iputils	20180629	BSD and GPLv2+
irqbalance	1.4.0	GPLv2
ivykis	0.42.4	LGPLv2+
jre	1.8.0_201	Oracle Binary Code License Agreement For JRE
json-c	0.13.1	MIT
kernel-core	4.18.0	GPLv2 and Redistributable, no modification permitted
kernel-dbinfo	4.18.0	GPLv2 and Redistributable, no modification permitted
kernel-modules	4.18.0	GPLv2 and Redistributable, no modification permitted

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NAME	VERSION	LICENSE TYPE
kexec-tools	2.0.20	GPLv2
keyutils	1.5.10	GPLv2+ and LGPLv2+
keyutils-libs	1.5.10	GPLv2+ and LGPLv2+
kmod	25	GPLv2+
kmod-libs	25	LGPLv2+
krb5-libs	1.18.2	MIT
krb5-workstation	1.18.2	MIT
lcms2	2.9	MIT
less	530	GPLv3+ or BSD
leveldb	1.22	BSD
libacl	2.2.53	LGPLv2+
libarchive	3.3.2	BSD
libassuan	2.5.1	LGPLv2+ and GPLv3+
libatomic_ops	7.6.2	GPLv2 and MIT
libattr	2.4.48	LGPLv2+
libbabeltrace	1.5.4	MIT and GPLv2
libblkid	2.32.1	LGPLv2+
libbson	1.17.6	ASL 2.0 and ISC and MIT and zlib
libcap	2.48	BSD or GPLv2
libcap-ng	0.7.9	LGPLv2+
libcom_err	1.45.6	MIT
libcurl-minimal	7.61.1	MIT
libdb	5.3.28	BSD and LGPLv2 and Sleepycat
libdb-utils	5.3.28	BSD and LGPLv2 and Sleepycat

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NAME	VERSION	LICENSE TYPE
libdrng	1.0.4	Intel (3-clause BSD)
libedit	3.1	BSD
libedit1	2.11	libedit
libevent	2.1.8	BSD and ISC
libfdisk	2.32.1	LGPLv2+
libffi	3.1	MIT
libgcc	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgcrypt	1.8.5	LGPLv2+
libgomp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgpg-error	1.31	LGPLv2+
libibverbs	29	GPLv2 or BSD
libicu	60.3	MIT and UCD and Public Domain
libidn	1.34	LGPLv2+ and GPLv3+ and GFDL
libidn2	2.2.0	(GPLv2+ or LGPLv3+) and GPLv3+
libipt	1.6.1	BSD
libjpeg-turbo	1.5.3	IJG
libkadm5	1.18.2	MIT
libknet1	1.16	LGPLv2+
libknet1-crypto-nss-plugin	1.16	LGPLv2+
libksba	1.3.5	(LGPLv3+ or GPLv2+) and GPLv3+
liblog4shib2	2.0.0	LGPL
libmaxminddb	1.2.0	ASL 2.0 and BSD

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NAME	VERSION	LICENSE TYPE
libmcrypt	2.5.8	LGPLv2+
libmetalink	0.1.3	MIT
libmnl	1.0.4	LGPLv2+
libmongocrypt	1.2.0	ASL 2.0 and ISC
libmount	2.32.1	LGPLv2+
libnet	1.1.6	BSD
libnetfilter_conntrack	1.0.6	GPLv2+
libnfnetlink	1.0.1	GPLv2+
libnfsidmap	2.3.3	BSD
libnftnl	1.1.5	GPLv2+
libnghttp2	1.33.0	MIT
libnl3	3.5.0	LGPLv2
libnsl	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
libnsl2	1.2.0	BSD and LGPLv2+
libpcap	1.9.1	BSD with advertising
libpkgconf	1.4.2	ISC
libpng	1.6.34	zlib
libpsl	0.20.2	MIT
libpwquality	1.4.0	BSD or GPLv2+
libqb	1.0.3	LGPLv2+
libradius	1	libradius
librdkafka	0.11.4	BSD
libsaml12	3.2.0	Apache-2.0

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NAME	VERSION	LICENSE TYPE
libseccomp	2.4.3	LGPLv2
libsecret	0.18.6	LGPLv2+
libselinux	2.9	Public Domain
libselinux-utils	2.9	Public Domain
libsemanage	2.9	LGPLv2+
libsepol	2.9	LGPLv2+
libsigsegv	2.11	GPLv2+
libsmartcols	2.32.1	LGPLv2+
libss	1.45.6	MIT
libstdc++	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libsysfs	2.1.0	LGPLv2+
libtasn1	4.13	GPLv3+ and LGPLv2+
libtecla	1.6.1	X11
libtiff	4.0.9	libtiff
libtirpc	1.1.4	SISSL and BSD
libtool-ltdl	2.4.6	LGPLv2+
libunistring	0.9.9	GPLv2+ or LGPLv3+
libunwind	1.3.1	BSD
libusbx	1.0.23	LGPLv2+
libuser	0.62	LGPLv2+
libuuid	2.32.1	BSD
libverto	0.3.0	MIT
libvolume_id	127	GPLv2

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NAME	VERSION	LICENSE TYPE
libwsman1	2.6.5	BSD
libxcrypt	4.1.1	LGPLv2+ and BSD and Public Domain
libxerces-c-3_2	3.2.3	Apache
libxml-security-c20	2.0.2	Apache 2.0
libxml2	2.9.7	MIT
libxmltooling10	3.2.0	Apache-2.0
libxslt	1.1.32	MIT
libyaml	0.1.7	MIT
libzip	1.6.1	BSD
libzstd	1.4.4	BSD and GPLv2
lm_sensors	3.4.0	GPLv2+ and Verbatim and MIT
lm_sensors-libs	3.4.0	LGPLv2+
lmdb-libs	0.9.24	OpenLDAP
lockdev	1.0.4	LGPLv2
logrotate	3.14.0	GPLv2+
lsof	4.93.2	zlib and Sendmail and LGPLv2+
lua	5.3.4	MIT
lua-libs	5.3.4	MIT
lz4-libs	1.8.3	GPLv2+ and BSD
lzo	2.08	GPLv2+
mailx	12.5	BSD with advertising and MPLv1.1
MAKEDEV	3.23	GPL
mariadb-connector-c	3.1.11	LGPLv2+
mariadb-connector-c-config	3.1.11	LGPLv2+

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NAME	VERSION	LICENSE TYPE
mdadm	4.1	GPLv2+
mingetty	1.07	GPL
mongo	1	metaswitch
mongo-c-driver-libs	1.17.6	ASL 2.0 and ISC and MIT and zlib
mongodb	3.6.19	SSPL v1
mpfr	3.1.6	LGPLv3+ and GPLv3+ and GFDL
ms2frr	11.0.828	(NetDEF)
msrest	0.6.21	MIT License
msrestazure	0.6.4	MIT License
ncurses	6.1	MIT
ncurses-base	6.1	MIT
ncurses-libs	6.1	MIT
ncurses-term	6.1	MIT
net-snmp	5.8	BSD
net-snmp-agent-libs	5.8	BSD
net-snmp-libs	5.8	BSD
net-snmp-utils	5.8	BSD
net-tools	2	GPLv2+
nettle	3.4.1	LGPLv3+ or GPLv2+
nfs-utils	2.3.3	MIT and GPLv2 and GPLv2+ and BSD
nginx-bin	1.20.1	BSD
nginx-filesystem	1.20.1	BSD
nodejs	16.17.1	MIT and ASL 2.0 and ISC and BSD
npth	1.5	LGPLv2+

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NAME	VERSION	LICENSE TYPE
nspr	4.35.0	MPLv2.0
nss	3.90.0	MPLv2.0
nss-pam-ldapd	0.9.9	LGPLv2+
nss-softokn	3.90.0	MPLv2.0
nss-softokn-freebl	3.90.0	MPLv2.0
nss-sysinit	3.90.0	MPLv2.0
nss-tools	3.90.0	MPLv2.0
nss-util	3.90.0	MPLv2.0
ntfs-3g	2017.3.23	GPLv2+
ntfsprogs	2017.3.23	GPLv2+
ntp	4.2.8p15	MIT and BSD and BSD with advertising
ntpdate	4.2.8p15	MIT and BSD and BSD with advertising
ntpstat	0.5	MIT
numactl-libs	2.0.12	LGPLv2 and GPLv2
oniguruma5php	6.9.7.1	BSD
open-vm-tools	12.1.0	GPLv2
openjpeg2	2.4.0	BSD and MIT
openldap	2.4.46	OpenLDAP
openldap-clients	2.4.46	OpenLDAP
opensaml-schemas	3.2.0	Apache-2.0
openssh	8.0p1	BSD
openssh-clients	8.0p1	BSD
openssh-server	8.0p1	BSD
openssl	1.1.1g	OpenSSL and ASL 2.0

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NAME	VERSION	LICENSE TYPE
openssl-libs	1.1.1g	OpenSSL and ASL 2.0
openwsman-client	2.6.5	BSD
openwsman-server	2.6.5	BSD
p11-kit	0.23.22	BSD
p11-kit-trust	0.23.22	BSD
pacparser	1.3.7	LGPL
pam	1.3.1	BSD and GPLv2+
pam_krb5	2.4.8	BSD or LGPLv2+
panos-release	8.3	GPLv2
parted	3.2	GPLv3+
passwd	0.8	BSD or GPL+
pciutils-libs	3.6.4	GPLv2+
pcre	8.42	BSD
pcre2	10.32	BSD
perf	4.18.0	GPLv2
phantomjs	1.9.8	BSD
php	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-bcmath	7.4.33	PHP and LGPLv2+
php-cli	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA and PostgreSQL
php-common	7.4.33	PHP and BSD
php-embedded	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-fpm	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA

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NAME	VERSION	LICENSE TYPE
php-gmp	7.4.33	PHP
php-json	7.4.33	PHP
php-mbstring	7.4.33	PHP and LGPLv2 and OpenLDAP
php-mysqlnd	7.4.33	PHP
php-pdo	7.4.33	PHP
php-pecl-mongodb	1.9.1	ASL 2.0
php-xml	7.4.33	PHP
pinentry	1.1.0	GPLv2+
pkgconf	1.4.2	ISC
pkgconf-m4	1.4.2	GPLv2+ with exceptions
pkgconf-pkg-config	1.4.2	ISC
platform-python	3.6.8	Python
platform-python-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
platform-python-setuptools	39.2.0	MIT
policycoreutils	2.9	GPLv2
popt	1.16	MIT
pprof	2.4	BSD
procps-ng	3.3.15	GPL+ and GPLv2 and GPLv2+ and GPLv3+ and LGPLv2+
protobuf	3.5.0	BSD
psmisc	23.1	GPLv2+
pth	2.0.7	LGPLv2+
publicsuffix-list-dafsa	20180723	MPLv2.0
pybloomfiltermmap3	0.4.15	MIT License

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NAME	VERSION	LICENSE TYPE
pycrypto	2.6.1	Public Domain
python-azure-sdk	4.0.0	MIT and ASL 2.0
python-collectd-cloudwatch	0.0.2	MIT
python-libevent	0.9.2	LGPL
python3-asn1crypto	0.24.0	MIT
python3-audit	3	LGPLv2+
python3-bind	9.11.36	MPLv2.0
python3-bloom	0.10.0	BSD
python3-bson	3.7.0	ASL 2.0 and MIT
python3-catkin_pkg	0.4.23	BSD
python3-certifi	2018.10.15	MPLv2.0
python3-cffi	1.11.5	MIT
python3-chardet	3.0.4	LGPLv2
python3-cryptography	3.2.1	ASL 2.0 or BSD
python3-dateutil	2.6.1	BSD
python3-distro	1.4.0	ASL 2.0
python3-docutils	0.14	Public Domain and BSD and Python and GPLv3+
python3-empy	3.3.4	LGPLv2+
python3-fasteners	0.14.1	ASL 2.0
python3-httplib2	0.10.3	MIT
python3-idna	2.5	BSD and Python and Unicode
python3-isodate	0.6.0	BSD
python3-jwt	1.6.1	MIT

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NAME	VERSION	LICENSE TYPE
python3-kubernetes	11.0.0	ASL 2.0
python3-libs	3.6.8	Python
python3-libxml2	2.9.7	MIT
python3-m2crypto	0.35.2	MIT
python3-oauth2client	4.1.3	ASL 2.0
python3-oauthlib	2.1.0	BSD
python3-pexpect	4.3.1	MIT
python3-pillow	5.1.1	MIT
python3-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
python3-pip-wheel	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
python3-ply	3.9	BSD
python3-psutil	5.6.4	BSD
python3-ptyprocess	0.5.2	ISC
python3-pyasn1	0.3.7	BSD
python3-pyasn1-modules	0.3.7	BSD
python3-pycparser	2.14	BSD
python3-pycurl	7.43.0.2	LGPLv2+ or MIT
python3-pymongo	3.7.0	ASL 2.0 and MIT
python3-pyOpenSSL	18.0.0	ASL 2.0
python3-pyparsing	2.1.10	MIT
python3-pypdf2	1.26.0	BSD
python3-pytz	2019.3	MIT

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NAME	VERSION	LICENSE TYPE
python3-pyyaml	3.12	MIT
python3-reportlab	3.4.0	BSD
python3-requests	2.20.0	ASL 2.0
python3-rosdep	0.19.0	BSD
python3-rosdistro	0.8.3	BSD and MIT
python3-rospkg	1.2.8	BSD
python3-rpm	4.14.3	GPLv2+
python3-setuptools	39.2.0	MIT
python3-setuptools-wheel	39.2.0	MIT
python3-six	1.11.0	MIT
python3-uritemplate	3.0.0	BSD
python3-urlgrabber	4.1.0	LGPLv2+
python3-urllib3	1.24.2	MIT
python3-vcstools	0.1.42	BSD
python3-websocket-client	0.56.0	BSD
python36	3.6.8	Python
quota	4.04	BSD and GPLv2 and GPLv2+
quota-nls	4.04	BSD and LGPLv2+ and GPLv2 and GPLv2+
rcs	5.10.0	GPLv3+
rdma-core	29	GPLv2 or BSD
readline	7	GPLv3+
redis	6.2.6	BSD and MIT
requests-oauthlib	1.3.0	ISC
rootfiles	8.1	Public Domain

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NAME	VERSION	LICENSE TYPE
rpcbind	1.2.5	BSD
rpm	4.14.3	GPLv2+
rpm-build-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rpm-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rpm-plugin-selinux	4.14.3	GPLv2+
rsa	4.8	Apache License Version 2.0
sbsigntools	0.9.2	GPLv3+
scrub	2.5.2	GPLv2+
sed	4.5	GPLv3+
selinux-policy	3.14.3	GPLv2+
selinux-policy-targeted	3.14.3	GPLv2+
setup	2.12.2	Public Domain
shadow-utils	4.6	BSD and GPLv2+
shim-x64	15	BSD
smartmontools	7.1	GPLv2+
snappy	1.1.8	BSD
sqlite	3.26.0	Public Domain
sqlite-libs	3.26.0	Public Domain
sscep	0.9.0	BSD
sshpass	1.06	GPLv2
strongswan	5.9.3	GPLv2+
sysfsutils	2.1.0	GPLv2
syslog-ng	3.29.1	GPLv2+
sysstat	11.7.3	GPLv2+

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NAME	VERSION	LICENSE TYPE
SysVinit	2.86	GPL
tacacs	1	metaswitch
tar	1.3	GPLv3+
tcp_wrappers	7.6	BSD
tcp_wrappers-libs	7.6	BSD
tcpdump	4.9.3	BSD with advertising
tecla	1.6.3	X11
telnet	0.17	BSD
telnet-server	0.17	BSD
tftp	5.2	BSD
timedatex	0.5	GPLv2+
tpm2-tss	2.3.2	BSD
traceroute	2.1.0	GPLv2+
tzdata	2023c	Public Domain
udev	127	GPLv2
unixODBC	2.3.7	GPLv2+ and LGPLv2+
ustr	1.0.4	MIT or LGPLv2+ or BSD
util-linux	2.32.1	GPLv2 and GPLv2+ and LGPLv2+ and BSD with advertising and Public Domain
util-linux-user	2.32.1	GPLv2
vim-minimal	8.0.1763	Vim and MIT
vixie-cron	4.1	distributable
waofflinevmod	4.3.3.501	OPSWAT
wget	1.19.5	GPLv3+
which	2.21	GPLv3

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NAME	VERSION	LICENSE TYPE
wpaeapol	2.9	BSD
xinetd	2.3.15	xinetd
xmlsec1	1.2.25	MIT
xmlsec1-openssl	1.2.25	MIT
xmltodict	0.12.0	MIT
xmltooling-schemas	3.2.0	Apache-2.0
xz	5.2.4	GPLv2+ and Public Domain
xz-libs	5.2.4	Public Domain
zlib	1.2.11	zlib and Boost

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NAME	VERSION	LICENSE TYPE
acl	2.2.53	GPLv2+
acpid	2.0.30	GPLv2+
adal	1.2.6	MIT
apr	1.6.3	ASL 2.0 and BSD with advertising and ISC and BSD
apr-util	1.6.1	ASL 2.0
audit	3	GPLv2+
audit-libs	3	LGPLv2+
basesystem	11	Public Domain
bash	4.4.19	GPLv3+
beecrypt	4.2.1	LGPLv2+
bind	9.11.36	MPLv2.0
bind-export-libs	9.11.36	MPLv2.0
bind-libs	9.11.36	MPLv2.0
bind-libs-lite	9.11.36	MPLv2.0
bind-license	9.11.36	MPLv2.0
bind-utils	9.11.36	MPLv2.0
binutils	2.3	GPLv3+
bonnie++	1.98	GPLv2
brotli	1.0.6	MIT
bzip2	1.0.6	BSD
bzip2-libs	1.0.6	BSD
chicken	3.0.0	BSD

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NAME	VERSION	LICENSE TYPE
chkconfig	1.13	GPLv2
cjson	1	MIT and ASL 2.0
coreutils	8.3	GPLv3+
coreutils-common	8.3	GPLv3+
cpio	2.12	GPLv3+
cpp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
cracklib	2.9.6	LGPLv2+
cracklib-dicts	2.9.6	LGPLv2+
crash	7.2.8	GPLv3
crontabs	1.11	Public Domain and GPLv2
crypto-policies	20200713	LGPLv2+
crypto-policies-scripts	20200713	LGPLv2+
CUnit	2.1.3	LGPLv2+
curl-minimal	7.61.1	MIT
davici	1.3.0	LGPLv2.1+
dejavu-fonts-common	2.35	Bitstream Vera and Public Domain
dejavu-sans-fonts	2.35	Bitstream Vera and Public Domain
device-mapper	1.02.171	GPLv2
device-mapper-libs	1.02.171	LGPLv2
dhcp-client	4.3.6	ISC
dhcp-common	4.3.6	ISC
dhcp-devel	4.3.6	ISC
dhcp-libs	4.3.6	ISC

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NAME	VERSION	LICENSE TYPE
diffutils	3.6	GPLv3+
dmidecode	3.2	GPLv2+
dosfstools	4.1	GPLv3+
dracut	49	GPLv2+ and LGPLv2+
e2fsprogs	1.45.6	GPLv2
e2fsprogs-libs	1.45.6	GPLv2 and LGPLv2
efitools	1.9.2	GPLv2
efivar	37	LGPL-2.1
efivar-libs	37	LGPL-2.1
elasticsearch-oss	6.8.23	ApachV2
elfutils-default-yama-scope	0.18	GPLv2+ or LGPLv3+
elfutils-libelf	0.18	GPLv2+ or LGPLv3+
elfutils-libs	0.18	GPLv2+ or LGPLv3+
ethtool	5	GPLv2
eventlog	0.2.12	BSD-like
expat	2.2.5	MIT
fastlz	0.1.0	MIT
file	5.33	BSD
file-libs	5.33	BSD
filesystem	3.8	Public Domain
findutils	4.6.0	GPLv3+
fipscheck	1.5.0	BSD
fipscheck-lib	1.5.0	BSD
flatcc	0.6.1	Apache License Version 2.0

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NAME	VERSION	LICENSE TYPE
fontconfig	2.13.1	MIT and Public Domain and UCD
fontpackages-filesystem	1.44	Public Domain
freetype	2.9.1	(FTL or GPLv2+) and BSD and MIT and Public Domain and zlib with acknowledgement
fuse	2.9.7	GPL+
fuse-common	3.2.1	GPL+
gawk	4.2.1	GPLv3+ and GPLv2+ and LGPLv2+ and BSD
gc	7.6.4	BSD
gdb	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL + and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdb-headless	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL + and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdbm	1.18	GPLv3+
gdbm-libs	1.18	GPLv3+
gdisk	1.0.3	GPLv2
glib2	2.56.4	LGPLv2+
glibc	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-common	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-debuginfo	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL

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NAME	VERSION	LICENSE TYPE
glibc-debuginfo-common	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-langpack-en	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
gmp	6.1.2	LGPLv3+ or GPLv2+
gnupg2	2.2.20	GPLv3+
gnutls	3.6.16	GPLv3+ and LGPLv2+
google-api-python-client	1.12.8	Apache 2.0
google-auth	1.26.1	Apache 2.0
google-auth-httplib2	0.0.4	Apache 2.0
google-cloud-core	1.6.0	Apache 2.0
google-cloud-monitoring	2.0.0	Apache 2.0
google-cloud-storage	1.36.0	Apache 2.0
googleapis-common-protos	1.52.0	Apache-2.0
gperftools-devel	2.4	BSD
gperftools-libs	2.4	BSD
gpgme	1.13.1	LGPLv2+
grep	3.1	GPLv3+
grub	6.0.97	GPL
grub-cfg	11.0.6.1	GPL
grub2-noraid-efi-x64	2.02	GPLv3+
gsoap	2.8.6	gsoap
guile	2.0.14	LGPLv3+

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NAME	VERSION	LICENSE TYPE
gzip	1.9	GPLv3+ and GFDL
hiredis	1.0.2	BSD
hostname	3.2	GPLv2+
httpd	2.4.37	ASL 2.0
httpd-filesystem	2.4.37	ASL 2.0
httpd-tools	2.4.37	ASL 2.0
hyperscan	4.2.0	BSD License
ima-evm-utils	1.1	GPLv2
info	6.5	GPLv3+
initscripts	8.45.17	GPL
ipcalc	0.2.4	GPLv2+
ipmitool	1.8.18	BSD
iproute	5.3.0	GPLv2+ and Public Domain
iptables	1.8.4	GPLv2 and Artistic 2.0 and ISC
iptables-libs	1.8.4	GPLv2 and Artistic 2.0 and ISC
iptables-utils	1.8.4	GPLv2 and Artistic 2.0 and ISC
iputils	20180629	BSD and GPLv2+
irqbalance	1.4.0	GPLv2
ivykis	0.42.4	LGPLv2+
jre	1.8.0_201	Oracle Binary Code License Agreement For JRE
json-c	0.13.1	MIT
kernel-core	4.18.0	GPLv2 and Redistributable, no modification permitted
kernel-dbinfo	4.18.0	GPLv2 and Redistributable, no modification permitted

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NAME	VERSION	LICENSE TYPE
kernel-modules	4.18.0	GPLv2 and Redistributable, no modification permitted
kexec-tools	2.0.20	GPLv2
keyutils	1.5.10	GPLv2+ and LGPLv2+
keyutils-libs	1.5.10	GPLv2+ and LGPLv2+
kmod	25	GPLv2+
kmod-libs	25	LGPLv2+
krb5-libs	1.18.2	MIT
krb5-workstation	1.18.2	MIT
lcms2	2.9	MIT
less	530	GPLv3+ or BSD
leveldb	1.22	BSD
libacl	2.2.53	LGPLv2+
libarchive	3.3.2	BSD
libassuan	2.5.1	LGPLv2+ and GPLv3+
libatomic_ops	7.6.2	GPLv2 and MIT
libattr	2.4.48	LGPLv2+
libbabeltrace	1.5.4	MIT and GPLv2
libblkid	2.32.1	LGPLv2+
libbson	1.17.6	ASL 2.0 and ISC and MIT and zlib
libcap	2.48	BSD or GPLv2
libcap-ng	0.7.9	LGPLv2+
libcom_err	1.45.6	MIT
libcurl-minimal	7.61.1	MIT
libdb	5.3.28	BSD and LGPLv2 and Sleepycat

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NAME	VERSION	LICENSE TYPE
libdb-utils	5.3.28	BSD and LGPLv2 and Sleepycat
libdrng	1.0.4	Intel (3-clause BSD)
libedit	3.1	BSD
libedit1	2.11	libedit
libevent	2.1.8	BSD and ISC
libfdisk	2.32.1	LGPLv2+
libffi	3.1	MIT
libgcc	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgcrypt	1.8.5	LGPLv2+
libgomp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgpg-error	1.31	LGPLv2+
libibverbs	29	GPLv2 or BSD
libicu	60.3	MIT and UCD and Public Domain
libidn	1.34	LGPLv2+ and GPLv3+ and GFDL
libidn2	2.2.0	(GPLv2+ or LGPLv3+) and GPLv3+
libipt	1.6.1	BSD
libjpeg-turbo	1.5.3	IJG
libkadm5	1.18.2	MIT
libksba	1.3.5	(LGPLv3+ or GPLv2+) and GPLv3+
liblog4shib2	2.0.0	LGPL
libmaxminddb	1.2.0	ASL 2.0 and BSD
libmcrypt	2.5.8	LGPLv2+

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NAME	VERSION	LICENSE TYPE
libmetalink	0.1.3	MIT
libmnl	1.0.4	LGPLv2+
libmongocrypt	1.2.0	ASL 2.0 and ISC
libmount	2.32.1	LGPLv2+
libnet	1.1.6	BSD
libnetfilter_conntrack	1.0.6	GPLv2+
libnfnetlink	1.0.1	GPLv2+
libnfsidmap	2.3.3	BSD
libnftnl	1.1.5	GPLv2+
libnghttp2	1.33.0	MIT
libnl3	3.5.0	LGPLv2
libnsl	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
libnsl2	1.2.0	BSD and LGPLv2+
libpcap	1.9.1	BSD with advertising
libpkgconf	1.4.2	ISC
libpng	1.6.34	zlib
libpsl	0.20.2	MIT
libpwquality	1.4.0	BSD or GPLv2+
libradius	1	libradius
librdkafka	0.11.4	BSD
libsaml12	3.2.0	Apache-2.0
libseccomp	2.4.3	LGPLv2
libsecret	0.18.6	LGPLv2+

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NAME	VERSION	LICENSE TYPE
libselinux	2.9	Public Domain
libselinux-utils	2.9	Public Domain
libsemanage	2.9	LGPLv2+
libsepol	2.9	LGPLv2+
libsigsegv	2.11	GPLv2+
libsmartcols	2.32.1	LGPLv2+
libss	1.45.6	MIT
libstdc++	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libsysfs	2.1.0	LGPLv2+
libtasn1	4.13	GPLv3+ and LGPLv2+
libtecla	1.6.1	X11
libtiff	4.0.9	libtiff
libtirpc	1.1.4	SISSL and BSD
libtool-ltdl	2.4.6	LGPLv2+
libunistring	0.9.9	GPLv2+ or LGPLv3+
libunwind	1.3.1	BSD
libusbx	1.0.23	LGPLv2+
libuser	0.62	LGPLv2+
libuuid	2.32.1	BSD
libverto	0.3.0	MIT
libvolume_id	127	GPLv2
libwsman1	2.6.5	BSD
libxcrypt	4.1.1	LGPLv2+ and BSD and Public Domain

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NAME	VERSION	LICENSE TYPE
libxerces-c-3_2	3.2.3	Apache
libxml-security-c20	2.0.2	Apache 2.0
libxml2	2.9.7	MIT
libxmltooling10	3.2.0	Apache-2.0
libxslt	1.1.32	MIT
libyaml	0.1.7	MIT
libzip	1.6.1	BSD
libzstd	1.4.4	BSD and GPLv2
lm_sensors	3.4.0	GPLv2+ and Verbatim and MIT
lm_sensors-libs	3.4.0	LGPLv2+
lmdb-libs	0.9.24	OpenLDAP
lockdev	1.0.4	LGPLv2
logrotate	3.14.0	GPLv2+
lsof	4.93.2	zlib and Sendmail and LGPLv2+
lua	5.3.4	MIT
lua-libs	5.3.4	MIT
lz4-libs	1.8.3	GPLv2+ and BSD
lzo	2.08	GPLv2+
mailx	12.5	BSD with advertising and MPLv1.1
MAKEDEV	3.23	GPL
mariadb-connector-c	3.1.11	LGPLv2+
mariadb-connector-c-config	3.1.11	LGPLv2+
mdadm	4.1	GPLv2+
mingetty	1.07	GPL

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NAME	VERSION	LICENSE TYPE
mongo	1	metaswitch
mongo-c-driver-libs	1.17.6	ASL 2.0 and ISC and MIT and zlib
mongodb	3.6.19	SSPL v1
mpfr	3.1.6	LGPLv3+ and GPLv3+ and GFDL
ms2frr	11.1.134	(NetDEF)
msrest	0.6.21	MIT License
msrestazure	0.6.4	MIT License
ncurses	6.1	MIT
ncurses-base	6.1	MIT
ncurses-libs	6.1	MIT
ncurses-term	6.1	MIT
net-snmp	5.8	BSD
net-snmp-agent-libs	5.8	BSD
net-snmp-libs	5.8	BSD
net-snmp-utils	5.8	BSD
net-tools	2	GPLv2+
nettle	3.4.1	LGPLv3+ or GPLv2+
nfs-utils	2.3.3	MIT and GPLv2 and GPLv2+ and BSD
nginx-bin	1.18.0	BSD
nginx-filesystem	1.18.0	BSD
nodejs	16.17.1	MIT and ASL 2.0 and ISC and BSD
npth	1.5	LGPLv2+
nspr	4.35.0	MPLv2.0
nss	3.90.0	MPLv2.0

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NAME	VERSION	LICENSE TYPE
nss-pam-ldapd	0.9.9	LGPLv2+
nss-softokn	3.90.0	MPLv2.0
nss-softokn-freebl	3.90.0	MPLv2.0
nss-sysinit	3.90.0	MPLv2.0
nss-tools	3.90.0	MPLv2.0
nss-util	3.90.0	MPLv2.0
ntfs-3g	2017.3.23	GPLv2+
ntfsprogs	2017.3.23	GPLv2+
ntp	4.2.8p15	MIT and BSD and BSD with advertising
ntpdate	4.2.8p15	MIT and BSD and BSD with advertising
ntpstat	0.5	MIT
numactl-libs	2.0.12	LGPLv2 and GPLv2
oniguruma5php	6.9.7.1	BSD
open-vm-tools	10.3.10	GPLv2
openjpeg2	2.4.0	BSD and MIT
openldap	2.4.46	OpenLDAP
openldap-clients	2.4.46	OpenLDAP
opensaml-schemas	3.2.0	Apache-2.0
openssh	8.0p1	BSD
openssh-clients	8.0p1	BSD
openssh-server	8.0p1	BSD
openssl	1.1.1g	OpenSSL and ASL 2.0
openssl-libs	1.1.1g	OpenSSL and ASL 2.0
openwsman-client	2.6.5	BSD

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NAME	VERSION	LICENSE TYPE
openwsman-server	2.6.5	BSD
p11-kit	0.23.14	BSD
p11-kit-trust	0.23.14	BSD
pacparser	1.3.7	LGPL
pam	1.3.1	BSD and GPLv2+
pam_krb5	2.4.8	BSD or LGPLv2+
panos-release	8.3	GPLv2
parted	3.2	GPLv3+
passwd	0.8	BSD or GPL+
pciutils-libs	3.6.4	GPLv2+
pcre	8.42	BSD
pcre2	10.32	BSD
perf	4.18.0	GPLv2
phantomjs	1.9.8	BSD
php	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-bcmath	7.4.33	PHP and LGPLv2+
php-cli	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA and PostgreSQL
php-common	7.4.33	PHP and BSD
php-embedded	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-fpm	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-gmp	7.4.33	PHP
php-json	7.4.33	PHP

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NAME	VERSION	LICENSE TYPE
php-mbstring	7.4.33	PHP and LGPLv2 and OpenLDAP
php-mysqlnd	7.4.33	PHP
php-pdo	7.4.33	PHP
php-pecl-mongodb	1.9.1	ASL 2.0
php-xml	7.4.33	PHP
pinentry	1.1.0	GPLv2+
pkgconf	1.4.2	ISC
pkgconf-m4	1.4.2	GPLv2+ with exceptions
pkgconf-pkg-config	1.4.2	ISC
platform-python	3.6.8	Python
platform-python-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
platform-python-setuptools	39.2.0	MIT
policycoreutils	2.9	GPLv2
popt	1.16	MIT
pprof	2.4	BSD
procps-ng	3.3.15	GPL+ and GPLv2 and GPLv2+ and GPLv3+ and LGPLv2+
protobuf	3.5.0	BSD
psmisc	23.1	GPLv2+
pth	2.0.7	LGPLv2+
publicsuffix-list-dafsa	20180723	MPLv2.0
pybloomfiltermmap3	0.4.15	MIT License
pycrypto	2.6.1	Public Domain
python-azure-sdk	4.0.0	MIT and ASL 2.0

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NAME	VERSION	LICENSE TYPE
python-collectd-cloudwatch	0.0.2	MIT
python-libevent	0.9.2	LGPL
python3-asn1crypto	0.24.0	MIT
python3-audit	3	LGPLv2+
python3-bind	9.11.36	MPLv2.0
python3-bloom	0.10.0	BSD
python3-bson	3.7.0	ASL 2.0 and MIT
python3-catkin_pkg	0.4.23	BSD
python3-certifi	2018.10.15	MPLv2.0
python3-cffi	1.11.5	MIT
python3-chardet	3.0.4	LGPLv2
python3-cryptography	3.2.1	ASL 2.0 or BSD
python3-dateutil	2.6.1	BSD
python3-distro	1.4.0	ASL 2.0
python3-docutils	0.14	Public Domain and BSD and Python and GPLv3+
python3-empy	3.3.4	LGPLv2+
python3-fasteners	0.14.1	ASL 2.0
python3-httplib2	0.10.3	MIT
python3-idna	2.5	BSD and Python and Unicode
python3-isodate	0.6.0	BSD
python3-jwt	1.6.1	MIT
python3-kubernetes	11.0.0	ASL 2.0
python3-libs	3.6.8	Python

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NAME	VERSION	LICENSE TYPE
python3-libxml2	2.9.7	MIT
python3-m2crypto	0.35.2	MIT
python3-oauth2client	4.1.3	ASL 2.0
python3-oauthlib	2.1.0	BSD
python3-pexpect	4.3.1	MIT
python3-pillow	5.1.1	MIT
python3-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
python3-pip-wheel	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
python3-ply	3.9	BSD
python3-psutil	5.6.4	BSD
python3-ptyprocess	0.5.2	ISC
python3-pyasn1	0.3.7	BSD
python3-pyasn1-modules	0.3.7	BSD
python3-pycparser	2.14	BSD
python3-pycurl	7.43.0.2	LGPLv2+ or MIT
python3-pymongo	3.7.0	ASL 2.0 and MIT
python3-pyOpenSSL	18.0.0	ASL 2.0
python3-pyparsing	2.1.10	MIT
python3-pypdf2	1.26.0	BSD
python3-pytz	2019.3	MIT
python3-pyyaml	3.12	MIT
python3-reportlab	3.4.0	BSD

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NAME	VERSION	LICENSE TYPE
python3-requests	2.20.0	ASL 2.0
python3-rosdep	0.19.0	BSD
python3-rosdistro	0.8.3	BSD and MIT
python3-rospkg	1.2.8	BSD
python3-rpm	4.14.3	GPLv2+
python3-setuptools	39.2.0	MIT
python3-setuptools-wheel	39.2.0	MIT
python3-six	1.11.0	MIT
python3-uritemplate	3.0.0	BSD
python3-urlgrabber	4.1.0	LGPLv2+
python3-urllib3	1.24.2	MIT
python3-vcstools	0.1.42	BSD
python3-websocket-client	0.56.0	BSD
python36	3.6.8	Python
quota	4.04	BSD and GPLv2 and GPLv2+
quota-nls	4.04	BSD and LGPLv2+ and GPLv2 and GPLv2+
rcs	5.10.0	GPLv3+
rdma-core	29	GPLv2 or BSD
readline	7	GPLv3+
redis	6.2.6	BSD and MIT
requests-oauthlib	1.3.0	ISC
rootfiles	8.1	Public Domain
rpcbind	1.2.5	BSD
rpm	4.14.3	GPLv2+

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NAME	VERSION	LICENSE TYPE
rpm-build-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rpm-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rsa	4.8	Apache License Version 2.0
sbsigntools	0.9.2	GPLv3+
scrub	2.5.2	GPLv2+
sed	4.5	GPLv3+
setup	2.12.2	Public Domain
shadow-utils	4.6	BSD and GPLv2+
shim-x64	15	BSD
smartmontools	7.1	GPLv2+
snappy	1.1.8	BSD
sqlite	3.26.0	Public Domain
sqlite-libs	3.26.0	Public Domain
sscep	0.9.0	BSD
sshpass	1.06	GPLv2
strongswan	5.9.3	GPLv2+
sysfsutils	2.1.0	GPLv2
syslog-ng	3.29.1	GPLv2+
sysstat	11.7.3	GPLv2+
SysVinit	2.86	GPL
tacacs	1	metaswitch
tar	1.3	GPLv3+
tcp_wrappers	7.6	BSD
tcp_wrappers-libs	7.6	BSD

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NAME	VERSION	LICENSE TYPE
tcpdump	4.9.3	BSD with advertising
tecla	1.6.3	X11
telnet	0.17	BSD
telnet-server	0.17	BSD
tftp	5.2	BSD
timedatex	0.5	GPLv2+
tpm2-tss	2.3.2	BSD
traceroute	2.1.0	GPLv2+
tzdata	2023c	Public Domain
udev	127	GPLv2
unixODBC	2.3.7	GPLv2+ and LGPLv2+
ustr	1.0.4	MIT or LGPLv2+ or BSD
util-linux	2.32.1	GPLv2 and GPLv2+ and LGPLv2+ and BSD with advertising and Public Domain
util-linux-user	2.32.1	GPLv2
vim-minimal	8.0.1763	Vim and MIT
vixie-cron	4.1	distributable
waofflinevmod	4.3.3.501	OPSWAT
wget	1.19.5	GPLv3+
which	2.21	GPLv3
wpaeapol	2.9	BSD
xinetd	2.3.15	xinetd
xmlsec1	1.2.25	MIT
xmlsec1-openssl	1.2.25	MIT
xmltodict	0.12.0	MIT

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NAME	VERSION	LICENSE TYPE
xmltooling-schemas	3.2.0	Apache-2.0
xz	5.2.4	GPLv2+ and Public Domain
xz-libs	5.2.4	Public Domain
zlib	1.2.11	zlib and Boost

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Panorama 10.2 OSS Listing

NAME	VERSION	LICENSE TYPE
acl	2.2.53	GPLv2+
acpid	2.0.30	GPLv2+
adal	1.2.6	MIT
apr	1.6.3	ASL 2.0 and BSD with advertising and ISC and BSD
apr-util	1.6.1	ASL 2.0
audit	3	GPLv2+
audit-libs	3	LGPLv2+
basesystem	11	Public Domain
bash	4.4.19	GPLv3+
beecrypt	4.2.1	LGPLv2+
bind	9.11.36	MPLv2.0
bind-export-libs	9.11.36	MPLv2.0
bind-libs	9.11.36	MPLv2.0
bind-libs-lite	9.11.36	MPLv2.0
bind-license	9.11.36	MPLv2.0
bind-utils	9.11.36	MPLv2.0
binutils	2.3	GPLv3+
bonnie++	1.98	GPLv2
brotli	1.0.6	MIT
bzip2	1.0.6	BSD
bzip2-libs	1.0.6	BSD
chicken	3.0.0	BSD

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NAME	VERSION	LICENSE TYPE
chkconfig	1.13	GPLv2
cjson	1	MIT and ASL 2.0
coreutils	8.3	GPLv3+
coreutils-common	8.3	GPLv3+
cpio	2.12	GPLv3+
cpp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
cracklib	2.9.6	LGPLv2+
cracklib-dicts	2.9.6	LGPLv2+
crash	7.2.8	GPLv3
crontabs	1.11	Public Domain and GPLv2
crypto-policies	20200713	LGPLv2+
crypto-policies-scripts	20200713	LGPLv2+
CUnit	2.1.3	LGPLv2+
curl-minimal	7.61.1	MIT
davici	1.3.0	LGPLv2.1+
dejavu-fonts-common	2.35	Bitstream Vera and Public Domain
dejavu-sans-fonts	2.35	Bitstream Vera and Public Domain
device-mapper	1.02.171	GPLv2
device-mapper-libs	1.02.171	LGPLv2
dhcp-client	4.3.6	ISC
dhcp-common	4.3.6	ISC
dhcp-devel	4.3.6	ISC
dhcp-libs	4.3.6	ISC

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NAME	VERSION	LICENSE TYPE
diffutils	3.6	GPLv3+
dmidecode	3.2	GPLv2+
dosfstools	4.1	GPLv3+
dracut	49	GPLv2+ and LGPLv2+
e2fsprogs	1.45.6	GPLv2
e2fsprogs-libs	1.45.6	GPLv2 and LGPLv2
efitools	1.9.2	GPLv2
efivar	37	LGPL-2.1
efivar-libs	37	LGPL-2.1
elasticsearch-oss	6.8.23	ApachV2
elfutils-default-yama-scope	0.18	GPLv2+ or LGPLv3+
elfutils-libelf	0.18	GPLv2+ or LGPLv3+
elfutils-libs	0.18	GPLv2+ or LGPLv3+
ethtool	5	GPLv2
eventlog	0.2.12	BSD-like
expat	2.2.5	MIT
fastlz	0.1.0	MIT
file	5.33	BSD
file-libs	5.33	BSD
filesystem	3.8	Public Domain
findutils	4.6.0	GPLv3+
fipscheck	1.5.0	BSD
fipscheck-lib	1.5.0	BSD
flatcc	0.6.1	Apache License Version 2.0

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NAME	VERSION	LICENSE TYPE
fontconfig	2.13.1	MIT and Public Domain and UCD
fontpackages-filesystem	1.44	Public Domain
freetype	2.9.1	(FTL or GPLv2+) and BSD and MIT and Public Domain and zlib with acknowledgement
fuse	2.9.7	GPL+
fuse-common	3.2.1	GPL+
gawk	4.2.1	GPLv3+ and GPLv2+ and LGPLv2+ and BSD
gc	7.6.4	BSD
gdb	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL + and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdb-headless	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL + and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdbm	1.18	GPLv3+
gdbm-libs	1.18	GPLv3+
gdisk	1.0.3	GPLv2
glib2	2.56.4	LGPLv2+
glibc	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-common	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-langpack-en	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL

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NAME	VERSION	LICENSE TYPE
gmp	6.1.2	LGPLv3+ or GPLv2+
gnupg2	2.2.20	GPLv3+
gnutls	3.6.14	GPLv3+ and LGPLv2+
google-api-python-client	1.12.8	Apache 2.0
google-auth	1.26.1	Apache 2.0
google-auth-httplib2	0.0.4	Apache 2.0
google-cloud-core	1.6.0	Apache 2.0
google-cloud-monitoring	2.0.0	Apache 2.0
google-cloud-storage	1.36.0	Apache 2.0
googleapis-common-protos	1.52.0	Apache-2.0
gperftools-devel	2.4	BSD
gperftools-libs	2.4	BSD
gpgme	1.13.1	LGPLv2+
grep	3.1	GPLv3+
grub	6.0.97	GPL
grub-cfg	10.2.14.1	GPL
grub2-noraid-efi-x64	2.02	GPLv3+
gsoap	2.8.6	gsoap
guile	2.0.14	LGPLv3+
gzip	1.9	GPLv3+ and GFDL
hiredis	1.0.2	BSD
hostname	3.2	GPLv2+
httpd	2.4.37	ASL 2.0
httpd-filesystem	2.4.37	ASL 2.0

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NAME	VERSION	LICENSE TYPE
httpd-tools	2.4.37	ASL 2.0
hyperscan	4.2.0	BSD License
ima-evm-utils	1.1	GPLv2
info	6.5	GPLv3+
initscripts	8.45.17	GPL
ipcalc	0.2.4	GPLv2+
ipmitool	1.8.18	BSD
iproute	5.3.0	GPLv2+ and Public Domain
iptables	1.8.4	GPLv2 and Artistic 2.0 and ISC
iptables-libs	1.8.4	GPLv2 and Artistic 2.0 and ISC
iptables-utils	1.8.4	GPLv2 and Artistic 2.0 and ISC
iputils	20180629	BSD and GPLv2+
irqbalance	1.4.0	GPLv2
ivykis	0.42.4	LGPLv2+
jre	1.8.0_201	Oracle Binary Code License Agreement For JRE
json-c	0.13.1	MIT
kernel-core	4.18.0	GPLv2 and Redistributable, no modification permitted
kernel-dbinfo	4.18.0	GPLv2 and Redistributable, no modification permitted
kernel-modules	4.18.0	GPLv2 and Redistributable, no modification permitted
kexec-tools	2.0.20	GPLv2
keyutils	1.5.10	GPLv2+ and LGPLv2+
keyutils-libs	1.5.10	GPLv2+ and LGPLv2+

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NAME	VERSION	LICENSE TYPE
kmod	25	GPLv2+
kmod-libs	25	LGPLv2+
krb5-libs	1.18.2	MIT
krb5-workstation	1.18.2	MIT
lcms2	2.9	MIT
less	530	GPLv3+ or BSD
leveldb	1.22	BSD
libacl	2.2.53	LGPLv2+
libarchive	3.3.2	BSD
libassuan	2.5.1	LGPLv2+ and GPLv3+
libatomic_ops	7.6.2	GPLv2 and MIT
libattr	2.4.48	LGPLv2+
libbabeltrace	1.5.4	MIT and GPLv2
libblkid	2.32.1	LGPLv2+
libbson	1.17.6	ASL 2.0 and ISC and MIT and zlib
libcap	2.48	BSD or GPLv2
libcap-ng	0.7.9	LGPLv2+
libcom_err	1.45.6	MIT
libcurl-minimal	7.61.1	MIT
libdb	5.3.28	BSD and LGPLv2 and Sleepycat
libdb-utils	5.3.28	BSD and LGPLv2 and Sleepycat
libdrng	1.0.4	Intel (3-clause BSD)
libedit	3.1	BSD
libedit1	2.11	libedit

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NAME	VERSION	LICENSE TYPE
libevent	2.1.8	BSD and ISC
libfdisk	2.32.1	LGPLv2+
libffi	3.1	MIT
libgcc	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgcrypt	1.8.5	LGPLv2+
libgomp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgpg-error	1.31	LGPLv2+
libibverbs	29	GPLv2 or BSD
libicu	60.3	MIT and UCD and Public Domain
libidn	1.34	LGPLv2+ and GPLv3+ and GFDL
libidn2	2.2.0	(GPLv2+ or LGPLv3+) and GPLv3+
libipt	1.6.1	BSD
libjpeg-turbo	1.5.3	IJG
libkadm5	1.18.2	MIT
libksba	1.3.5	(LGPLv3+ or GPLv2+) and GPLv3+
liblog4shib2	2.0.0	LGPL
libmaxminddb	1.2.0	ASL 2.0 and BSD
libmcrypt	2.5.8	LGPLv2+
libmetalink	0.1.3	MIT
libmnl	1.0.4	LGPLv2+
libmongocrypt	1.2.0	ASL 2.0 and ISC
libmount	2.32.1	LGPLv2+

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NAME	VERSION	LICENSE TYPE
libnet	1.1.6	BSD
libnetfilter_conntrack	1.0.6	GPLv2+
libnfnetlink	1.0.1	GPLv2+
libnfsidmap	2.3.3	BSD
libnftnl	1.1.5	GPLv2+
libnghttp2	1.33.0	MIT
libnl3	3.5.0	LGPLv2
libnsl	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
libnsl2	1.2.0	BSD and LGPLv2+
libpcap	1.9.1	BSD with advertising
libpkgconf	1.4.2	ISC
libpng	1.6.34	zlib
libpsl	0.20.2	MIT
libpwquality	1.4.0	BSD or GPLv2+
libradius	1	libradius
librdkafka	0.11.4	BSD
libsaml12	3.2.0	Apache-2.0
libseccomp	2.4.3	LGPLv2
libsecret	0.18.6	LGPLv2+
libselinux	2.9	Public Domain
libselinux-utils	2.9	Public Domain
libsemanage	2.9	LGPLv2+
libsepol	2.9	LGPLv2+

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NAME	VERSION	LICENSE TYPE
libsigsegv	2.11	GPLv2+
libsmartcols	2.32.1	LGPLv2+
libss	1.45.6	MIT
libstdc++	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libsysfs	2.1.0	LGPLv2+
libtasn1	4.13	GPLv3+ and LGPLv2+
libtecla	1.6.1	X11
libtiff	4.0.9	libtiff
libtirpc	1.1.4	SISSL and BSD
libtool-ltdl	2.4.6	LGPLv2+
libunistring	0.9.9	GPLv2+ or LGPLv3+
libunwind	1.3.1	BSD
libusbx	1.0.23	LGPLv2+
libuser	0.62	LGPLv2+
libuuid	2.32.1	BSD
libverto	0.3.0	MIT
libvolume_id	127	GPLv2
libwsman1	2.6.5	BSD
libxcrypt	4.1.1	LGPLv2+ and BSD and Public Domain
libxerces-c-3_2	3.2.3	Apache
libxml-security-c20	2.0.2	Apache 2.0
libxml2	2.9.7	MIT
libxmltooling10	3.2.0	Apache-2.0

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NAME	VERSION	LICENSE TYPE
libxslt	1.1.32	MIT
libyaml	0.1.7	MIT
libzip	1.6.1	BSD
libzstd	1.4.4	BSD and GPLv2
lm_sensors	3.4.0	GPLv2+ and Verbatim and MIT
lm_sensors-libs	3.4.0	LGPLv2+
lmdb-libs	0.9.24	OpenLDAP
lockdev	1.0.4	LGPLv2
logrotate	3.14.0	GPLv2+
lsof	4.93.2	zlib and Sendmail and LGPLv2+
lua	5.3.4	MIT
lua-libs	5.3.4	MIT
lz4-libs	1.8.3	GPLv2+ and BSD
lzo	2.08	GPLv2+
mailx	12.5	BSD with advertising and MPLv1.1
MAKEDEV	3.23	GPL
mariadb-connector-c	3.1.11	LGPLv2+
mariadb-connector-c-config	3.1.11	LGPLv2+
mdadm	4.1	GPLv2+
mingetty	1.07	GPL
mongo	1	metaswitch
mongo-c-driver-libs	1.17.6	ASL 2.0 and ISC and MIT and zlib
mongodb	3.6.19	SSPL v1
mpfr	3.1.6	LGPLv3+ and GPLv3+ and GFDL

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NAME	VERSION	LICENSE TYPE
ms2frr	10.2.821	(NetDEF)
msrest	0.6.21	MIT License
msrestazure	0.6.4	MIT License
ncurses	6.1	MIT
ncurses-base	6.1	MIT
ncurses-libs	6.1	MIT
ncurses-term	6.1	MIT
net-snmp	5.8	BSD
net-snmp-agent-libs	5.8	BSD
net-snmp-libs	5.8	BSD
net-snmp-utils	5.8	BSD
net-tools	2	GPLv2+
nettle	3.4.1	LGPLv3+ or GPLv2+
nfs-utils	2.3.3	MIT and GPLv2 and GPLv2+ and BSD
nginx-bin	1.18.0	BSD
nginx-filesystem	1.18.0	BSD
nodejs	16.17.1	MIT and ASL 2.0 and ISC and BSD
npth	1.5	LGPLv2+
nspr	4.35.0	MPLv2.0
nss	3.90.0	MPLv2.0
nss-pam-ldapd	0.9.9	LGPLv2+
nss-softokn	3.90.0	MPLv2.0
nss-softokn-freebl	3.90.0	MPLv2.0
nss-sysinit	3.90.0	MPLv2.0

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NAME	VERSION	LICENSE TYPE
nss-tools	3.90.0	MPLv2.0
nss-util	3.90.0	MPLv2.0
ntfs-3g	2017.3.23	GPLv2+
ntfsprogs	2017.3.23	GPLv2+
ntp	4.2.8p15	MIT and BSD and BSD with advertising
ntpdate	4.2.8p15	MIT and BSD and BSD with advertising
ntpstat	0.5	MIT
numactl-libs	2.0.12	LGPLv2 and GPLv2
oniguruma5php	6.9.7.1	BSD
open-vm-tools	10.3.10	GPLv2
openjpeg2	2.4.0	BSD and MIT
openldap	2.4.46	OpenLDAP
openldap-clients	2.4.46	OpenLDAP
opensaml-schemas	3.2.0	Apache-2.0
openssh	8.0p1	BSD
openssh-clients	8.0p1	BSD
openssh-server	8.0p1	BSD
openssl	1.1.1g	OpenSSL and ASL 2.0
openssl-libs	1.1.1g	OpenSSL and ASL 2.0
openwsman-client	2.6.5	BSD
openwsman-server	2.6.5	BSD
p11-kit	0.23.14	BSD
p11-kit-trust	0.23.14	BSD
pacparser	1.3.7	LGPL

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NAME	VERSION	LICENSE TYPE
pam	1.3.1	BSD and GPLv2+
pam_krb5	2.4.8	BSD or LGPLv2+
panos-release	8.3	GPLv2
parted	3.2	GPLv3+
passwd	0.8	BSD or GPL+
pciutils-libs	3.6.4	GPLv2+
pcre	8.42	BSD
pcre2	10.32	BSD
perf	4.18.0	GPLv2
phantomjs	1.9.8	BSD
php	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-bcmath	7.4.33	PHP and LGPLv2+
php-cli	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA and PostgreSQL
php-common	7.4.33	PHP and BSD
php-embedded	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-fpm	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-gmp	7.4.33	PHP
php-json	7.4.33	PHP
php-mbstring	7.4.33	PHP and LGPLv2 and OpenLDAP
php-mysqlnd	7.4.33	PHP
php-pdo	7.4.33	PHP
php-pecl-mongodb	1.9.1	ASL 2.0

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NAME	VERSION	LICENSE TYPE
php-xml	7.4.33	PHP
pinentry	1.1.0	GPLv2+
pkgconf	1.4.2	ISC
pkgconf-m4	1.4.2	GPLv2+ with exceptions
pkgconf-pkg-config	1.4.2	ISC
platform-python	3.6.8	Python
platform-python-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
platform-python-setuptools	39.2.0	MIT
policycoreutils	2.9	GPLv2
popt	1.16	MIT
pprof	2.4	BSD
procps-ng	3.3.15	GPL+ and GPLv2 and GPLv2+ and GPLv3+ and LGPLv2+
protobuf	3.5.0	BSD
psmisc	23.1	GPLv2+
pth	2.0.7	LGPLv2+
publicsuffix-list-dafsa	20180723	MPLv2.0
pybloomfiltermmap3	0.4.15	MIT License
pycrypto	2.6.1	Public Domain
python-azure-sdk	4.0.0	MIT and ASL 2.0
python-collectd-cloudwatch	0.0.2	MIT
python-libevent	0.9.2	LGPL
python3-asn1crypto	0.24.0	MIT

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NAME	VERSION	LICENSE TYPE
python3-audit	3	LGPLv2+
python3-bind	9.11.36	MPLv2.0
python3-bloom	0.10.0	BSD
python3-bson	3.7.0	ASL 2.0 and MIT
python3-catkin_pkg	0.4.23	BSD
python3-certifi	2018.10.15	MPLv2.0
python3-cffi	1.11.5	MIT
python3-chardet	3.0.4	LGPLv2
python3-cryptography	2.3	ASL 2.0 or BSD
python3-dateutil	2.6.1	BSD
python3-distro	1.4.0	ASL 2.0
python3-docutils	0.14	Public Domain and BSD and Python and GPLv3+
python3-empy	3.3.4	LGPLv2+
python3-fasteners	0.14.1	ASL 2.0
python3-httplib2	0.10.3	MIT
python3-idna	2.5	BSD and Python and Unicode
python3-isodate	0.6.0	BSD
python3-jwt	1.6.1	MIT
python3-kubernetes	11.0.0	ASL 2.0
python3-libs	3.6.8	Python
python3-libxml2	2.9.7	MIT
python3-m2crypto	0.35.2	MIT
python3-oauth2client	4.1.3	ASL 2.0
python3-oauthlib	2.1.0	BSD

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NAME	VERSION	LICENSE TYPE
python3-pexpect	4.3.1	MIT
python3-pillow	5.1.1	MIT
python3-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
python3-pip-wheel	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
python3-ply	3.9	BSD
python3-psutil	5.6.4	BSD
python3-ptyprocess	0.5.2	ISC
python3-pyasn1	0.3.7	BSD
python3-pyasn1-modules	0.3.7	BSD
python3-pycparser	2.14	BSD
python3-pycurl	7.43.0.2	LGPLv2+ or MIT
python3-pymongo	3.7.0	ASL 2.0 and MIT
python3-pyOpenSSL	18.0.0	ASL 2.0
python3-pyparsing	2.1.10	MIT
python3-pypdf2	1.26.0	BSD
python3-pytz	2019.3	MIT
python3-pyyaml	3.12	MIT
python3-reportlab	3.4.0	BSD
python3-requests	2.20.0	ASL 2.0
python3-rosdep	0.19.0	BSD
python3-rosdistro	0.8.3	BSD and MIT
python3-rospkg	1.2.8	BSD

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NAME	VERSION	LICENSE TYPE
python3-rpm	4.14.3	GPLv2+
python3-setuptools	39.2.0	MIT
python3-setuptools-wheel	39.2.0	MIT
python3-six	1.11.0	MIT
python3-uritemplate	3.0.0	BSD
python3-urlgrabber	4.1.0	LGPLv2+
python3-urllib3	1.24.2	MIT
python3-vcstools	0.1.42	BSD
python3-websocket-client	0.56.0	BSD
python36	3.6.8	Python
quota	4.04	BSD and GPLv2 and GPLv2+
quota-nls	4.04	BSD and LGPLv2+ and GPLv2 and GPLv2+
rcs	5.10.0	GPLv3+
rdma-core	29	GPLv2 or BSD
readline	7	GPLv3+
redis	5.0.3	BSD and MIT
requests-oauthlib	1.3.0	ISC
rootfiles	8.1	Public Domain
rpcbind	1.2.5	BSD
rpm	4.14.3	GPLv2+
rpm-build-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rpm-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rsa	4.8	Apache License Version 2.0
sbsigntools	0.9.2	GPLv3+

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NAME	VERSION	LICENSE TYPE
scrub	2.5.2	GPLv2+
sed	4.5	GPLv3+
setup	2.12.2	Public Domain
shadow-utils	4.6	BSD and GPLv2+
shim-x64	15	BSD
smartmontools	7.1	GPLv2+
snappy	1.1.8	BSD
sqlite	3.26.0	Public Domain
sqlite-libs	3.26.0	Public Domain
sscep	0.9.0	BSD
sshpass	1.06	GPLv2
strongswan	5.9.3	GPLv2+
sysfsutils	2.1.0	GPLv2
syslog-ng	3.29.1	GPLv2+
sysstat	11.7.3	GPLv2+
SysVinit	2.86	GPL
tacacs	1	metaswitch
tar	1.3	GPLv3+
tcp_wrappers	7.6	BSD
tcp_wrappers-libs	7.6	BSD
tcpdump	4.9.3	BSD with advertising
tecla	1.6.3	X11
telnet	0.17	BSD
telnet-server	0.17	BSD

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NAME	VERSION	LICENSE TYPE
tftp	5.2	BSD
timedatex	0.5	GPLv2+
tpm2-tss	2.3.2	BSD
traceroute	2.1.0	GPLv2+
tzdata	2023c	Public Domain
udev	127	GPLv2
unixODBC	2.3.7	GPLv2+ and LGPLv2+
ustr	1.0.4	MIT or LGPLv2+ or BSD
util-linux	2.32.1	GPLv2 and GPLv2+ and LGPLv2+ and BSD with advertising and Public Domain
util-linux-user	2.32.1	GPLv2
vim-minimal	8.0.1763	Vim and MIT
vixie-cron	4.1	distributable
waofflinevmod	4.3.3.501	OPSWAT
wget	1.19.5	GPLv3+
which	2.21	GPLv3
wpaeapol	2.9	BSD
xinetd	2.3.15	xinetd
xmlsec1	1.2.25	MIT
xmlsec1-openssl	1.2.25	MIT
xmltodict	0.12.0	MIT
xmltooling-schemas	3.2.0	Apache-2.0
xz	5.2.4	GPLv2+ and Public Domain
xz-libs	5.2.4	Public Domain
zlib	1.2.11	zlib and Boost

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Panorama 10.1 OSS Listing

NAME	VERSION	LICENSE TYPE
acl	2.2.51	GPLv2+
acpid	2.0.19	GPLv2+
apr	1.4.8	ASL 2.0 and BSD with advertising and ISC and BSD
apr-util	1.5.2	ASL 2.0
audit	2.4.1	GPLv2+
audit-libs	2.4.1	LGPLv2+
basesystem	10	Public Domain
bash	4.2.46	GPLv3+
beecrypt	4.2.1	LGPLv2+
bind	9.11.4	ISC
bind-export-libs	9.11.4	ISC
bind-libs	9.11.4	ISC
bind-libs-lite	9.11.4	ISC
bind-license	9.11.4	ISC
bind-utils	9.11.4	ISC
binutils	2.27	GPLv3+
bonnie++	1.03d	GPL
bzip2	1.0.6	BSD
bzip2-libs	1.0.6	BSD
centos-release	7	GPLv2
chicken	3.0.0	BSD
chkconfig	1.3.61	GPLv2

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NAME	VERSION	LICENSE TYPE
coreutils	8.22	GPLv3+
cpio	2.11	GPLv3+
cpp	4.8.5	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
cracklib	2.9.0	LGPLv2+
cracklib-dicts	2.9.0	LGPLv2+
crash	7.2.0	GPLv3
crontabs	1.11	Public Domain and GPLv2
curl	7.60.0	MIT
davici	1.3.0	LGPLv2.1+
dejavu-fonts-common	2.33	Bitstream Vera and Public Domain
dejavu-sans-fonts	2.33	Bitstream Vera and Public Domain
device-mapper	1.02.107	GPLv2
device-mapper-libs	1.02.107	LGPLv2
dhclient	4.2.5	ISC
dhcp-common	4.2.5	ISC
dhcp-libs	4.2.5	ISC
diffutils	3.3	GPLv3+
dmidecode	2.12	GPLv2+
e2fsprogs	1.42.9	GPLv2
e2fsprogs-libs	1.42.9	GPLv2 and LGPLv2
efivar	36	LGPLv2+
efivar-libs	36	LGPLv2+
elasticsearch-oss	6.8.23	ApachV2

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NAME	VERSION	LICENSE TYPE
elfutils-libelf	0.176	GPLv2+ or LGPLv3+
elfutils-libs	0.176	GPLv2+ or LGPLv3+
ethtool	4.5	GPLv2
eventlog	0.2.12	BSD-like
expat	2.1.0	MIT
fastlz	0.1.0	MIT
file	5.11	BSD
file-libs	5.11	BSD
filesystem	3.2	Public Domain
findutils	4.5.11	GPLv3+
fipscheck	1.4.1	BSD
fipscheck-lib	1.4.1	BSD
flatcc	1	metaswitch
fontconfig	2.10.95	MIT and Public Domain and UCD
fontpackages-filesystem	1.44	Public Domain
freetype	2.4.11	(FTL or GPLv2+) and BSD and MIT and Public Domain and zlib with acknowledgement
gawk	4.0.2	GPLv3+ and GPL and LGPLv3+ and LGPL and BSD
gdb	7.12	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL+ and LGPLv2+ and BSD and Public Domain
gdisk	0.8.10	GPLv2
glib2	2.56.1	LGPLv2+

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NAME	VERSION	LICENSE TYPE
glibc	2.17	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+
glibc-common	2.17	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+
glibc-debuginfo	2.17	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+
gmp	6.0.0	LGPLv3+ or GPLv2+
gnupg2	2.0.22	GPLv3+
google-api-python-client	1.6.2	Apache-2.0
google-auth	0.8.0	Apache 2.0
google-auth-httplib2	0.0.2	Apache 2.0
google-cloud-core	0.23.1	Apache 2.0
google-cloud-monitoring	0.23.1	Apache 2.0
google-cloud-storage	0.23.1	Apache 2.0
googleapis-common-protos	1.5.2	Apache-2.0
gperftools-libs	2.4	BSD
grep	2.2	GPLv3+
grub	6.0.97	GPL
grub-cfg	10.1.14.1	GPL
gzip	1.5	GPLv3+ and GFDL
hiredis	1.0.2	BSD
httpd	2.4.6	ASL 2.0
httpd-tools	2.4.6	ASL 2.0
hyperscan	4.2.0	BSD License
info	5.1	GPLv3+
initscripts	8.45.15	GPL

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NAME	VERSION	LICENSE TYPE
ipmitool	1.8.13	BSD
iproute	3.10.0	GPLv2+ and Public Domain
iptables	1.4.21	GPLv2
iptables-utils	1.4.21	GPLv2
iputils	20121221	BSD and GPLv2+
irqbalance	1.13	GPL/OSL
jre	1.8.0_201	Oracle Binary Code License Agreement For JRE
kernel-core	4.18.0	GPLv2 and Redistributable, no modification permitted
kernel-dbinfo	4.18.0	GPLv2 and Redistributable, no modification permitted
kernel-modules	4.18.0	GPLv2 and Redistributable, no modification permitted
kexec-tools	2.0.15	GPLv2
keyutils	1.5.8	GPLv2+ and LGPLv2+
keyutils-libs	1.5.8	GPLv2+ and LGPLv2+
krb5-libs	1.13.1	MIT, freely distributable.
krb5-workstation	1.13.1	MIT, freely distributable.
kubernetes	7.0.0	Apache 2.0
less	458	GPLv3+
leveldb	1.15.0	BSD
libacl	2.2.51	LGPLv2+
libassuan	2.1.0	LGPLv2+ and GPLv3+
libattr	2.4.46	LGPLv2+
libblkid	2.23.2	LGPLv2+

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NAME	VERSION	LICENSE TYPE
libcap	2.22	LGPLv2+
libcap-ng	0.7.5	LGPLv2+
libcjson	0.0.1	FIXME
libcom_err	1.42.9	MIT
libcurl	7.60.0	MIT
libdb	5.3.21	BSD and LGPLv2 and Sleepycat
libdb-utils	5.3.21	BSD and LGPLv2 and Sleepycat
libdrng	1.0.4	Intel (3-clause BSD)
libevent	2.0.21	BSD
libffi	3.2.1	libffi
libgcc	4.8.5	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgssglue	0.1	GPL+
libidn	1.28	LGPLv2+ and GPLv3+ and GFDL
libjpeg-turbo	1.2.90	IJG
liblog4shib1	1.0.9	LGPL
libmcrypt	2.5.8	LGPLv2+
libmount	2.23.2	LGPLv2+
libnet	1.1.6	BSD
libnfnetlink	1.0.1	GPLv2+
libnfsidmap	0.25	BSD
libpcap	1.5.3	BSD with advertising
libpng	1.5.13	zlib
libpwquality	1.2.3	BSD or GPLv2+

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NAME	VERSION	LICENSE TYPE
librdkafka1	0.9.1	BSD-2-Clause
libsaml8	2.5.5	Apache 2.0
libselinux	2.2.2	Public Domain
libsemanage	2.1.10	LGPLv2+
libsepol	2.1.9	LGPLv2+
libss	1.42.9	MIT
libstdc++	4.8.5	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libsysfs	2.1.0	LGPLv2+
libtecla	1.6.1	X11
libtirpc	0.2.4	SISSL and BSD
libtool-ltdl	2.4.2	LGPLv2+
libunwind	1.1	BSD
libuser	0.6	LGPLv2+
libuuid	2.23.2	BSD
libvolume_id	127	GPLv2
libxerces-c-3_1	3.1.2	Apache 2.0
libxml-security-c17	1.7.3	Apache 2.0
libxml2	2.9.7	MIT
libxmltooling7	1.6.4	Apache-2.0
libxslt	1.1.28	MIT
libyaml	0.1.4	MIT
lm_sensors	3.3.4	LGPLv2+ and GPLv3+ and GPLv2+ and Verbatim and Public domain

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NAME	VERSION	LICENSE TYPE
lm_sensors-libs	3.3.4	LGPLv2+ and GPLv3+ and GPLv2+ and Verbatim and Public domain
lockdev	1.0.4	LGPLv2
logrotate	3.8.6	GPL+
lua	5.3.2	MIT
lzo	2.06	GPLv2+
m2crypto	0.30.1	MIT
mailx	12.5	BSD with advertising and MPLv1.1
MAKEDEV	3.23	GPL
mdadm	4.1rc.1.2	GPLv2+
mingetty	1.07	GPL
module-init-tools	3.3	GPL
mongodb	3.6.19	SSPL v1
ncurses	5.9	MIT
ncurses-base	5.9	MIT
ncurses-libs	5.9	MIT
ncurses-term	5.9	MIT
net-snmp	5.8	BSD
net-snmp-agent-libs	5.8	BSD
net-snmp-libs	5.8	BSD
net-snmp-utils	5.8	BSD
net-tools	2	GPLv2+
nfs-utils	1.3.0	MIT and GPLv2 and GPLv2+ and BSD
nodejs	0.6.18	BSD and MIT and ASL 2.0 and GPLv3

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NAME	VERSION	LICENSE TYPE
nspr	4.25.0	MPLv2.0
nss	3.53.1	MPLv2.0
nss-softokn	3.53.1	MPLv2.0
nss-softokn-freebl	3.53.1	MPLv2.0
nss-sysinit	3.53.1	MPLv2.0
nss-tools	3.53.1	MPLv2.0
nss-util	3.53.1	MPLv2.0
ntp	4.2.8p6	(MIT and BSD and BSD with advertising) and GPLv2
ntpdate	4.2.8p6	(MIT and BSD and BSD with advertising) and GPLv2
numactl-libs	2.0.9	LGPLv2 and GPLv2
oauth2client	4.0.0	Apache-2.0
open-vm-tools	10.3.10	GPLv2
openldap	2.4.40	OpenLDAP
openldap-clients	2.4.40	OpenLDAP
opensaml-schemas	2.5.5	Apache 2.0
openssh	7.7p1	BSD
openssh-clients	7.7p1	BSD
openssh-server	7.7p1	BSD
openssl	1.0.1e	OpenSSL
openwsman	2.6.0	BSD-3-Clause
pacparser	1.3.7	LGPL
pam	1.1.8	BSD and GPLv2+
pam_krb5	2.4.8	BSD or LGPLv2+

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NAME	VERSION	LICENSE TYPE
pam_ldap	1.8.4	LGPL
parted	3.1	GPLv3+
passwd	0.79	BSD or GPL+
pciutils-libs	3.2.1	GPLv2+
pcre	8.32	BSD
pexpect	2.3	MIT
phantomjs	1.9.8	BSD
php	5.6.25	PHP and Zend and BSD
php-cli	5.6.25	PHP and Zend and BSD
php-common	5.6.25	PHP and BSD and ASL 1.0
php-embedded	5.6.25	PHP and Zend and BSD
php-httpd	5.6.25	PHP and Zend and BSD
php-pecl-jsonc	1.3.6	PHP
php-pecl-mongodb	1.3.4	ASL 2.0
pinentry	0.8.1	GPLv2+
popt	1.13	MIT
pprof	2.4	BSD
procps-ng	3.3.10	GPL+ and GPLv2 and GPLv2+ and GPLv3+ and LGPLv2+
protobuf	3.2.0	New BSD License
psmisc	22.2	GPLv2+
pth	2.0.7	LGPLv2+
pymongo	3.0.3	ASL 2.0 and MIT
python	2.7.5	Python
python-adal	1.0.2	MIT

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NAME	VERSION	LICENSE TYPE
python-azure-sdk	3.0.0	MIT and ASL 2.0
python-bloom	0.1.12	generic
python-bson	3.0.3	ASL 2.0 and MIT
python-certifi-alt	2016.9.26	MPLv2.0
python-chardet-alt	3.0.4	LGPLv2
python-collectd-cloudwatch	0.0.1	MIT
python-cryptography	1.7.1	BSD or Apache License, Version 2.0
python-enum	0.4.6	Choice of GPL or Python license
python-enum34	1.1.6	BSD
python-futures	3.2.0	PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2
python-httplib2	0.9.2	MIT
python-idna-alt	2.5	BSD and Python and Unicode
python-isodate	0.5.4	BSD
python-jwt	1.6.1	MIT
python-libevent	0.9.2	GNU LESSER GENERAL PUBLIC LICENSE
python-libs	2.7.5	Python
python-msrest	0.4.29	MIT
python-msrestazure	0.4.34	MIT
python-oauthlib-alt	2.0.1	BSD
python-pillow	2.0.0	MIT
python-psutil	3.3.0	BSD
python-pyasn1	0.1.7	BSD
python-pyasn1-modules	0.1.7	BSD

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NAME	VERSION	LICENSE TYPE
python-pycrypto	2.6.1	Public domain
python-pycurl	7.43.0	LGPL/MIT
python-pytz	2015.7	MIT
python-reportlab	2.5	BSD
python-requests	2.13.0	Apache 2.0
python-requests-oauthlib-alt	0.8.0	ISC
python-setuptools	0.9.8	Python or ZPLv2.0
python-six	1.10.0	MIT
python-ssl_match_hostname	3.5.0.1	Python
python-urlgrabber	3.1	LGPLv2+
python-urllib3-alt	1.22	MIT
python-websocket-client-alt	0.47.0	LGPLv2
python-xmltodict	0.9.0	MIT
python2-libxml2	2.9.7	MIT
python2-requests-alt	2.18.4	ASL 2.0
python2-typing	3.6.2	Python
python27-dateutil	2.5.3	BSD-3-Clause
PyYAML	3.1	MIT
PyYAML-alt	3.1	MIT
rcs	5.9.0	GPLv3+
readline	6.2	GPLv3+
redis	6.2.6	BSD and MIT
rootfiles	8.1	Public Domain
rpcbind	0.2.0	BSD

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NAME	VERSION	LICENSE TYPE
rpm	4.11.3	GPLv2+
rpm-libs	4.11.3	GPLv2+ and LGPLv2+ with exceptions
rpm-python	4.11.3	GPLv2+
rsa	3.4.2	Apache-2.0
scrub	2.5.2	GPLv2+
sed	4.2.2	GPLv3+
setup	2.8.71	Public Domain
shadow-utils	4.1.5.1	BSD and GPLv2+
smartmontools	6.4	GPLv2
snappy	1.1.0	BSD
sqlite	3.7.17	Public Domain
sscep	1.0.0	BSD
sshpass	1.05	GPL
strongswan	5.6.0	GPLv2+
sysfsutils	2.1.0	GPLv2
sysklogd	1.4.1	GPL
syslog-ng	3.29.1	GPLv2+
sysstat	10.1.5	GPLv2+
SysVinit	2.86	GPL
tar	1.26	GPLv3+
tcp_wrappers	7.6	BSD
tcp_wrappers-libs	7.6	BSD
tcpdump	4.5.1	BSD with advertising
telnet	0.17	BSD

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NAME	VERSION	LICENSE TYPE
telnet-server	0.17	BSD
tftp	5.2	BSD
traceroute	2.0.19	GPLv2+
tzdata	2023c	Public Domain
udev	127	GPLv2
unixODBC	2.3.1	GPLv2+ and LGPLv2+
uritemplate	3.0.0	Apache-2.0 BSD-3-Clause
ustr	1.0.4	MIT or LGPLv2+ or BSD
util-linux	2.23.2	GPLv2 and GPLv2+ and LGPLv2+ and BSD with advertising and Public Domain
util-linux-extras	2.23.2	LGPLv2+
vim-minimal	7.4.629	Vim
vixie-cron	4.1	distributable
waofflinevmod	4.3.3.501	OPSWAT
wget	1.16.2	GPL
wpaeapol	2.6	BSD
xinetd	2.3.15	xinetd
xmltooling-schemas	1.6.4	Apache-2.0
xz-libs	5.1.2	LGPLv2+
zlib	1.2.7	zlib and Boost

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Panorama 10.0 OSS Listing

NAME	VERSION	LICENSE TYPE
@epelc/gridstack	0.3.0-dev	MIT License
ACL	2.2.51	LGPLv2.1
ACPI daemon Project (acpid)	2.0.19	GPLv2.0
aggs-matrix-stats	5.6.7	Apache License 2.0
Animal Sniffer Annotations	1.14	MIT License
ANTLR	4.5.1-1	BSD 3-clause "New" or "Revised" License
Apache Bean Validation :: bval-core	1.1.2	Apache License 2.0
Apache BVal :: bval-jsr	1.1.2	Apache License 2.0
Apache Commons CLI	1.2	Apache License 2.0
Apache Commons Codec	1.9	Apache License 2.0
Apache Commons Compress	1.14	Apache License 2.0
Apache Commons Lang	3.5	Apache License 2.0
Apache Commons Logging	1.1.3	Apache License 2.0
Apache Geronimo	1.2-beta	Apache License 2.0
Apache Groovy	2.4.6	Apache License 2.0
Apache HTTP Server	2.4.6	Apache License 2.0
Apache HttpComponents AsyncClient	4.1.2	Apache License 2.0
Apache HttpComponents Client	4.5.2	Apache License 2.0
Apache HttpComponents Core	4.4.5	Apache License 2.0
Apache HttpMime	4.5.2	Apache License 2.0

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NAME	VERSION	LICENSE TYPE
Apache log4j	2.9.1	Apache License 2.0
Apache Lucene	6.6.1	Apache License 2.0
Apache Portable Runtime	1.4.8	Apache License 2.0
Apache Tika	1.16	Apache License 2.0
apr-util	1.5.2	Apache License 2.0
ASM	5.1	BSD 3-clause "New" or "Revised" License
AspectJ weaver	1.8.0	Eclipse Public License 1.0
Async	0.1.22	MIT License
attr-lib	2.4.47	LGPLv2.1
Audit	2.4.1	GPLv2.0
audit-libs	2.4.1	LGPLv2.0 or later
azure-sdk-for-python	6.1.2.9	MIT License
backports.ssl_match_hostname	3.5.0.1	Python License 2.0
basesystem	10.0.8	Public Domain
Bash	4.2.46	GPLv3.0
beanvalidation-api	1.1.0.Final	Apache License 2.0
beecrypt	4.2.1	LGPLv2.1
BIND (Berkeley Internet Name Domain)	9.9.4	ISC License
bind-libs	9.9.4	ISC License
bind-libs-lite	9.9.4	ISC License
bind-license	9.9.4	ISC License
bind-utils	9.9.4	ISC License

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NAME	VERSION	LICENSE TYPE
binutils	2.24	GPLv3.0 or later
Bluebird JS	3.5.0	MIT License
Bootstrap	3.4.1	MIT License
bsdutils	2.30.2	GPLv2.0 or later
bytes	0.1.0	MIT License
bytes.js	0.2.1	MIT License
bzip2	1.0.6	BSD 3-clause "New" or "Revised" License
bzip2-libs	1.0.6	BSD 3-clause "New" or "Revised" License
cavaliercoder/go-rpm	20170617 - snapshot -c7209c35	BSD 3-clause "New" or "Revised" License
centos-release	7	GPLv2.0
chardet	3.0.4	LGPLv2.1 or later
chart	3.2.0	Apache License 2.0
chkconfig	1.3.61	GPLv2.0
ci-node-server	0.0.6	MIT License
Cloud9 IDE	0.2.0	GPLv2.0
colors.js	0.6.0-1	MIT License
Commander.js	0.6.1	MIT License
Commons IO	2.5	Apache License 2.0
compiler - com.github.spullara.mustache.java:compiler	0.9.3	Apache License 2.0
connect	2.2.0	MIT License
cookies	0.3.2	MIT License

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NAME	VERSION	LICENSE TYPE
cpp	4.8.5	GPLv3.0
cracklib	2.9.0	LGPLv2.1
cracklib2	2.8.16	LGPLv2.1
CRC	0.2.0	MIT License
crontabs	1.11	Public Domain
css-parse	1.0.4	MIT License
cycle	1.0.1	Public Domain
D3.js	3.4.11	BSD 3-clause "New" or "Revised" License
DB	5.3.21	Alternative Commercial License Available
Debian Php	5.3.3	PHP License v3.01
debug	0.7.2	MIT License
dejavu-fonts-common	2.33	Bitstream Vera Fonts Copyright
dejavu-sans-fonts	2.33	Bitstream Vera Fonts Copyright
device-mapper	1.02.107	GPLv2.0
device-mapper-libs	1.02.107	LGPLv2.1
devtoolset-3-binutils	2.24	GPLv3.0
dhclient	4.2.5	ISC License
dhcp-common	4.2.5	ISC License
dhcp-doc	4.3.4	ISC License
dhcp-libs	4.2.5	ISC License
diff	3.3	GPLv2.0 OR Free Documentation License v1.1 OR Free Documentation License v1.3 OR GPLv3.0

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NAME	VERSION	LICENSE TYPE
diskscrub	2.5.2	GPLv2.0
dmidecode	2.12	GPLv2.0
e2fsprogs	1.42.9	GPLv2.0 AND LGPLv2.1
Eclipse Technology Aspect J	1.8.0	Eclipse Public License 1.0
ejs	1.0.0	MIT License
Elasticsearch	5.6.7	Apache License 2.0 OR Elastic License
Elasticsearch SecureSM	1.2	Apache License 2.0
elfutils	0.176	LGPLv3.0 or later
enum34	1.1.6	BSD 3-clause "New" or "Revised" License
error-prone annotations	2.0.18	Apache License 2.0
es5-shim	4.0.3	MIT License
EventLog Library	0.2.12	BSD 3-clause "New" or "Revised" License
Expat XML Parser	2.1.0	MIT License
expressjs	3.2.5	MIT License
Ext JS	3.2.0	Ext JS Commercial License OR Ext Exception to GPL 3.0 for Applications
Ext JS - Jangaroo Packaged	0.8.12	Affero GPLv3.0 AND GPLv3.0
Ext JS Ext.ux.YoutubePlayer	20080327	LGPLv2.1
Ext.ux.Livegrid Extension	0.5	Alternative Commercial License Available OR GPLv3.0
external-objenesis	1.0.4	Apache License 2.0
Eyes	0.1.8	MIT License

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NAME	VERSION	LICENSE TYPE
fastlz	0.1.0	MIT License
file	5.11	Fine Free File Command License
file-libs	5.11	BSD 3-clause "New" or "Revised" License
FileSaver.js	d8c81c105 f3f952326 ead7700c8 cf6da2690 eba0	MIT License
FindBugs jsr305	2.0.3	Apache License 2.0
FindBugs-Annotations	3.0.0	LGPLv2.1
findutils	4.5.11	GPLv3.0
fipscheck	1.4.1	BSD 3-clause "New" or "Revised" License
fipscheck-lib	1.4.1	BSD 3-clause "New" or "Revised" License
firepad	0.1.4	MIT License
fontconfig	2.10.95	MIT License
formidable	1.0.14	MIT License
fresh	0.1.0	MIT License
Gawk	4.0.2	BSD 3-clause "New" or "Revised" License AND LGPLv3.0 or later AND GPLv3.0 or later
GDB	7.12	GPLv3.0 or later
GitHub's jsPDF	1.2.61	MIT License
gkernel: rng-tools / ethtool	4.5	GPLv2.0
GLib2	2.42.2	LGPLv2.1
global-store	0.7.1	MIT License

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NAME	VERSION	LICENSE TYPE
GMP	6.0.0	GPLv2.0 OR LGPLv3.0
GNU awk	4.0.2	GPLv3.0
GNU Binutils	2.23.52.0.1	GPLv3.0 or later
GNU C Library	2.17	LGPLv2.1
GNU Compiler Collection	4.8.5	GPLv2.0 or later AND LGPLv3.0 or later AND LGPLv2.1 or later AND GPLv3.0 or later
GNU Core Utilities	8.22	GPLv3.0
GNU cpio	2.11	GPLv3.0
GNU grep	2.2	GPLv3.0
GNU Libtool	2.4.2	GPLv2.0
GNU Ncurses	5.9	Free Software Foundation - MIT License MIT+
GNU Parted	3.1	GPLv3.0
GNU tar	1.26	GPLv3.0
GnuPG	2.0.22	LGPLv3.0 AND GPLv3.0
google-api-python-client	1.5.4	Apache License 2.0
google-api-python-client-legacypython	1.6.2	Apache License 2.0
google-perftools	2.4	BSD 3-clause "New" or "Revised" License
google-snappy	1.1.0	BSD 3-clause "New" or "Revised" License
gradle-onejar	0.0.8	MIT License
graphael	1.1.0	MIT License
grr-client-templates	3.1.0.2	Apache License 2.0

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grub	0.97	GPLv2.0
Guava: Google Core Libraries for Java	23.3-jre	Apache License 2.0
gzip	1.5	GPLv3.0 AND GFD
HdrHistogram	2.1.9	Creative Commons Zero v1.0 Universal OR BSD 2-clause "Simplified" License OR Public Domain
Highcharts JS	4.2.5	Creative Commons Attribution Non Commercial 3.0 OR Alternative Commercial License Available
HPPC	0.7.1	Apache License 2.0
httpd-tools	2.4.6	Apache License 2.0
httplib2	0.9.2	MIT License
i18n-js	3.0.4	MIT License
ICU for Java (ICU4J)	59.1	ICU License
idna	2.5	BSD 3-clause "New" or "Revised" License
ingest-common	5.6.7	Apache License 2.0
initscripts	8.45.14.EL	GPLv3.0 or later
iproute2	3.10.0	GPLv2.0
IPTables	1.4.21	GPLv2.0
iputils	s20121221	GPLv2.0 AND BSD 3-clause "New" or "Revised" License AND Sun RPC License
IPython	2.4.1	BSD 3-clause "New" or "Revised" License
irqbalance	1.13	GPLv3.0

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isodate	0.5.4	BSD 3-clause "New" or "Revised" License
J2ObjC Annotations	1.3	Apache License 2.0
jackson-annotations	2.9.5	Apache License 2.0
jackson-core	2.9.5	Apache License 2.0
jackson-databind	2.9.5	Apache License 2.0
Jackson-dataformat-CBOR	2.8.6	Apache License 2.0
jackson-dataformat-smile	2.8.6	Apache License 2.0
jackson-dataformat-yaml	2.8.6	Apache License 2.0
jackson-datatype-guava	2.9.5	Apache License 2.0
Jackson-datatype-jdk8	2.9.5	Apache License 2.0
jackson-datatype-joda	2.9.5	Apache License 2.0
Java API for XML Processing	1.4	Apache License 2.0 OR W3C Software Notice and License (2002-12-31)
Java API for XML Web Services 2.2	2.0.4.Final	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.1
Java Architecture for XML Binding	2.3.0	GPL With Classpath Exception v2.0 AND Common Development and Distribution License 1.1
Java Platform Standard Edition (JRE) (J2RE)	8u181	Oracle Java SE and JavaFX License
Java(TM) API for XML-Based Web Services 2.3	1.0.0.Final	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.1
JavaBeans Activation Framework	1.2.0	GPL With Classpath Exception v2.0 OR Common Development and Distribution License 1.1

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java-classmate	1.2.0	Apache License 2.0
JBoss Drools	5.2.0.015	Apache License 2.0
JBoss Logging 3	3.3.0.Final	Apache License 2.0
JCL 1.2 Implemented Over SLF4J	1.7.7	MIT License
jcodings	1.0.12	MIT License
Joda Time	2.9.5	Apache License 2.0
joni	2.1.6	MIT License
JOpt Simple	5.0.2	MIT License
jQuery	3.5.1	MIT License
jQuery Mousewheel	3.1.6	MIT License
jQuery UI	1.11.0-1	MIT License
js-bson	0.2.2	Apache License 2.0
JSONLD Java :: Core	0.8.3	BSD 3-clause "New" or "Revised" License
JSONPath	0.8.0	MIT License
jspdf-autotable	2.3.0	MIT License
jspm-resolve	1.0.6	MIT License
js-web-socket-js	1.0.2	BSD 3-clause "New" or "Revised" License
JTS Topology Suite	1.13	LGPLv2.1
Jython	2.7.5	Jython License v1.1.x
keyutils	1.5.8	GPLv2.0 AND LGPLv2.1
keyutils-libs	1.5.8	GPLv2.0 AND LGPLv2.1
kubernetes	7.0.0	Apache License 2.0

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lang-expression	5.6.7	Apache License 2.0
lang-groovy	5.6.7	Apache License 2.0
lang-mustache	5.6.7	Apache License 2.0
lang-mustache-client	5.6.10	Apache License 2.0
lang-painless	5.6.7	Apache License 2.0
less	458	GPLv3.0
libassuan	2.1.0	LGPLv2.1 or later OR GPLv3.0
libcap-dev	2.22	LGPLv2.1
libcap-ng	0.7.5	LGPLv2.1
libcomerr2	1.42.9	MIT License
libdb	5.3.21	BSD 3-clause "New" or "Revised" License
libdb-utils	5.3.21	BSD 3-clause "New" or "Revised" License
libevent	2.0.21	BSD 3-clause "New" or "Revised" License
libevent - an event notification library	2.0.21	BSD 3-clause "New" or "Revised" License
libffi	3.2.1	MIT License
libgcc	4.8.5	GPLv3.0
libgssglue	0.1	GPLv1.0 or later
libgssglue1	0.1	BSD 3-clause "New" or "Revised" License OR Xmlproc License OR Christian Michelsen Research License OR Silicon Graphics New License
libguestfs	1.16.19	LGPLv2.1

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libidn	1.28	LGPLv2.1
libjpeg	1.2.90	BSD 3-clause "New" or "Revised" License
libjpeg-turbo	1.2.90	Independent JPEG Group License
libksba	1.3.5	GPLv2.0 AND Internet Society - RFC License AND LGPLv3.0 AND GPLv3.0
liblockdev1	1.0.4	LGPLv2.1
libmount	2.23.2	LGPLv2.1
libnfnetlink	1.0.1	GPLv2.0
libnfsidmap	0.25	BSD 3-clause "New" or "Revised" License
libnfsidmap-dev	0.25	BSD 3-clause "New" or "Revised" License
libpcap	1.5.3	BSD 3-clause "New" or "Revised" License
libpng	1.5.13	libpng License
libpth-dbg	2.0.7	LGPLv2.1
libpwquality	1.2.3	GPLv2.0 OR BSD 3-clause "New" or "Revised" License
librdkafka - the Apache Kafka C/C++ client library	0.11.4	BSD 3-clause "New" or "Revised" License
libselinux	2.2.2	Public Domain
libsemanage	2.1.10	LGPLv2.1
libss	1.42.9	MIT License
libstdc++	4.8.5	GPLv3.0
libtirpc	0.2.4	BSD 3-clause "New" or "Revised" License

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libunwind	1.1	MIT License
libuser	0.6	LGPLv2.1
libxml2-python	2.9.4	MIT License
libxslt	1.1.28	BigInteger License
Linux Diagnostic Tools	2.1.0	GPLv2.0 AND LGPLv2.1 AND Eclipse Public License 1.0
Linux kernel	3.10.0-957	GPLv2.0 or later
Linux-Pam	1.1.8	GPLv2.0 OR BSD 3-clause "New" or "Revised" License
Log4J API	2.9.1	Apache License 2.0
Log4J Compatibility API	2.9.1	Apache License 2.0
logrotate	3.8.6	GPLv2.0
Lucene Analyzers	6.6.1	Apache License 2.0
Lucene Expressions	6.6.1	Apache License 2.0
Lucene Grouping	6.6.1	Apache License 2.0
Lucene Highlighter	6.6.1	Apache License 2.0
Lucene Join	6.6.1	Apache License 2.0
Lucene Memory	6.6.1	Apache License 2.0
Lucene Miscellaneous	6.6.1	Apache License 2.0
Lucene Queries	6.6.1	Apache License 2.0
Lucene Query Parser	6.6.1	Apache License 2.0
Lucene Sandbox	6.6.1	Apache License 2.0
Lucene Spatial	6.6.1	Apache License 2.0
Lucene Spatial 3D	6.6.1	Apache License 2.0

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Lucene Spatial Extras	6.6.1	Apache License 2.0
Lucene Suggest	6.6.1	Apache License 2.0
LZO real-time data compression library	2.06	GPLv2.0
M2Crypto	0.30.1	M2Crypto License (similar to Historical Permission Notice and Disclaimer)
magda-io/magda	v0.0.32	Apache License 2.0
mailx	12.5	BSD-4-Clause (University of California-Specific) AND Mozilla Public License 1.1
MAKEDEV	3.23	GPLv2.0
MapStruct Core	1.0.0.CR1	Apache License 2.0
mcrypt	2.5.8	GPLv2.0
methods	0.0.1	MIT License
Metro OSGi API bundle for GlassFish V3	2.4.2	GPLv2.0 With Classpath Exception OR Common Development and Distribution License 1.1
mime	1.2.6	MIT License
mingetty	1.07	GPLv3.0
Modernizr	2.0.6	BSD 3-clause "New" or "Revised" License AND MIT License
module-init-tools	3.3	GPLv3.0
MongoDB	2.4.8	Affero GPLv3.0 AND Apache License 2.0
Mongoose	1.3.17	Apache License 2.0
Mozilla NSS	3.16.2.3	Mozilla Public License 2.0
mumble-django	2.5	GPLv2.0 or later

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ncurses-libs	5.9	MIT License
ncurses-term	5.9	BSD 3-clause "New" or "Revised" License OR X11 License OR BigInteger License
Net-SNMP	5.7.2	BSD 3-clause "New" or "Revised" License AND CMU License
net-tools	2	LGPLv3.0
Netty Project	4.1.13.Final	Apache License 2.0
Network Time Protocol project (NTP)	4.2.8p6	GPLv2.0 AND BSD-4-Clause (University of California-Specific) AND BSD 3-clause "New" or "Revised" License AND MIT License
NFS	1.3.0	GPLv2.0 AND GPLv2.0 AND BSD 3-clause "New" or "Revised" License AND MIT License
node-active-x-obfuscator	0.0.2	MIT License
node-cookie	0.1.0	MIT License
node-cookie-signature	1.0.1	MIT License
node-gently	v0.9.2	MIT License
nodejs-stack-trace	0.0.9	MIT License
node-mkdirp	0.3.5	MIT License
node-policyfile	0.0.5	Expat License
node-stack-trace	0.0.6	MIT License
node-XMLHttpRequest	1.8.0	MIT License
nongnu - dmidecode	2.12	GPLv2.0
NSS	3.44.0	Mozilla Public License 2.0
nss-softokn	3.44.0	Mozilla Public License 2.0

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nss-softokn-freebl	3.44.0	Mozilla Public License 2.0
nss-tools	3.44.0	Mozilla Public License 2.0
nss-utils	3.44.0	Mozilla Public License 2.0
nvidia-visual-profiler	9.1.85	MIT v2.0 with Ad Clause License OR Independent JPEG Group License OR GLX Public License v. 1 OR ISC License OR X.Net License OR Affero GPLv3.0 OR GPLv2.0 or later OR BSD 3-clause "New" or "Revised" License OR CUP Parser Generator Copyright Notice, License and Disclaimer OR X11 License OR libpng License OR zlib License OR Apache License 2.0 OR Bitstream Vera Fonts Copyright OR Internet Society - RFC License OR GPLv1.0 or later OR BSD 4-clause "Original" or "Old" License OR W3C Software Notice and License (2002-12-31) OR MIT License OR Open Group License OR Bigelow & Holmes and URW++ GmbH Luxi Font License OR Christian Michelsen Research License OR CID Font Code Public License v. 1.0 OR Microsoft Public License OR LGPLv2.0 or later OR NVIDIA License OR BSD 2-clause "Simplified" License OR Mozilla Public License 2.0 OR LGPLv2.1 or later OR Beerware License OR Public Domain OR XFree86 License 1.1 OR Sax Public Domain Notice
oauthlib	2.0.1	BSD 3-clause "New" or "Revised" License
object-assign-shim	1.0.0	MIT License
One-JAR(TM)	0.97	BSD 4-clause "Original" or "Old" License
Open Virtual Machine Tools	10.3.10	GPLv2.0

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OpenJDK	8	GPLv2.0 AND Apache License 2.0 AND GPLv2.0 w/Classpath exception AND Mozilla Public License 1.0 AND W3C Software Notice and License (2002-12-31) AND Apache License 1.1 AND Mozilla Public License 1.1
OpenLDAP	2.4.40	Open LDAP Public License v2.8
openldap-clients	2.4.40	Open LDAP Public License v2.8
OpenSAML 2.0	2.5.5	Apache License 2.0
OpenSSH	7.7p1	BSD 3-clause "New" or "Revised" License
OpenSSL	1.0.1e	The Open SSL License AND SSLeay License
openwsman	2.6.0	BSD 3-clause "New" or "Revised" License
Open-Xchange	7.4.2-14	Apache License 2.0
Options	0.0.3	MIT License
pam_krb5	2.4.8	BSD 3-clause "New" or "Revised" License
parent-join	5.6.7	Apache License 2.0
parted	3.1	GPLv3.0
passwd	0.79	GPLv2.0 AND BSD 3-clause "New" or "Revised" License
pause	0.0.1	MIT License
pciutils-libs	3.2.1	GPLv2.0
PCRE	8.32	PCRE License
percolator-client	5.6.7	Apache License 2.0
pexpect	2.3	MIT License

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phantomjs	1.9.8	Apache License 2.0
PHP	5.6.25	PHP License v3.01
php-fpdf	1.53.dfsg	PHP License v3.01
php-mongodb	1.1.2	Apache License 2.0
php-pecl-jsonc	1.3.6	PHP License v3.01
pinentry	0.8.1	GPLv2.0
pinentry-gtk2	0.8.1	GPLv2.0
pkginfo	0.2.3	MIT License
policyfile	0.0.4	MIT License
popt	1.13	MIT License
prismic.io	1.1.4	Apache License 2.0
procps-ng	3.3.10	GPLv2.0 or later AND LGPLv2.1 or later AND GPLv3.0 or later
Protocol Buffers	3.2.0	BSD 3-clause "New" or "Revised" License
psmisc	22.2	GPLv2.0 or later
pth	2.0.7	LGPLv2.1
PUPA	0.97	GPLv2.0
PyCrypto	2.6.1	Public Domain
PycURL	7.43.0	cURL License OR LGPLv2.1
py-dateutil	2.5.3	BSD 3-clause "New" or "Revised" License
PyJWT	1.6.1	MIT License
PyMongo	3.0.3	Apache License 2.0
py-oauth2client	4.0.0	Apache License 2.0

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py-requests	2.13.0	Apache License 2.0
Python programming language	2.7.5	Python License 2.0
python2-adal	1.0.2	MIT License
python2-google-api-client	1.6.2	Apache License 2.0
python2-jwt	1.6.1	MIT License
python2-msrestazure	0.5.0	MIT License
python2-pyyaml	3.12	MIT License
python2-requests	2.18.4	Apache License 2.0
python2-rsa	3.4.2	Apache License 2.0
python2-urllib3	1.22	MIT License
python2-websocket-client	0.47.0	LGPLv2.1
python-backports.ssl-match-hostname	3.4.0.2	Python License 2.0
python-certifi	2016.9.26	Mozilla Public License 2.0
python-crypto	2.6.1	Public Domain AND Python License 2.0
python-cryptography	1.7.1	BSD 3-clause "New" or "Revised" License OR Apache License 2.0
pythonfutures	3.2.0	Python License 2.0
python-libevent	0.9.2	LGPLv3.0
python-M2Crypto	0.30.1	BSD 3-clause "New" or "Revised" License AND MIT License AND Zope Public License 2.0
python-msrest	0.4.29	MIT License
python-pillow	2.0.0	MIT License

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python-pyasn1	0.1.7	BSD 3-clause "New" or "Revised" License
python-pyasn1-modules	0.1.7	BSD 2-clause "Simplified" License
python-reportlab	2.5	BSD 3-clause "New" or "Revised" License
Python-RSA	3.1.4	Apache License 2.0
python-urlgrabber	3.1	LGPLv2.1
python-urllib3	1.22	MIT License
python-urwid	0.9.8.3	LGPLv2.1
py-uritemplate	3.0.0	BSD 3-clause "New" or "Revised" License
py-urlgrabber-doc	3.10.1	LGPLv2.1
PyYAML - a YAML parser and emitter for Python	3.1	MIT License
qs - QS Querystring	0.5.1	MIT License
range-parser	0.0.4	MIT License
rcs	5.9.0	GPLv3.0
Readline	6.2	GPLv3.0 or later
redis	5.0.0	MIT License
redis-knack	v0.8.1	MIT License
reindex-client	5.6.7	Apache License 2.0
ReportLab	2.5	BSD 3-clause "New" or "Revised" License
request	2.11.4	Apache License 2.0
Request - Simple HTTP Client	2.9.203	Apache License 2.0
requests	2.18.4	Apache License 2.0

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requests-legacypython	2.18.4	Apache License 2.0
requests-oauthlib	0.8.0	ISC License
rest	5.6.7	Apache License 2.0
rootfiles	8.1	Public Domain
RPCBind	0.2.0	BSD 3-clause "New" or "Revised" License
RPM	4.11.3	GPLv2.0
rpm-libs	4.11.3	GPLv2.0 AND LGPLv2.1
rsa-legacypython	3.4.2	Apache License 2.0
RxJava	1.1.9	Apache License 2.0
sed	4.2.2	GPLv2.0
senchalabs / connect	2.7.10	MIT License
send	0.2.0	MIT License
setup	2.8.71-6.el7	Public Domain
setuptools	0.9.8	Python License 2.0
SF3JSWING: Kernel CORE	1.3.20	Apache License 2.0
Shadow Tool Suite	4.1.5.1	GPLv2.0 OR BSD 3-clause "New" or "Revised" License OR GPLv1.0 or later
Should-js	1.2.1	MIT License
simogeo's Filemanager	2.2.0	MIT License
six Compatibility Utility	1.10.0	MIT License
SLF4J API Module	1.7.7	MIT License
SLF4J LOG4J-12 Binding	1.7.7	MIT License
smart_proxy_dhcp_remote_isc	0.0.2.1	GPLv3.0

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SnakeYAML	1.15	Apache License 2.0
snappy	1.1.0	BSD 3-clause "New" or "Revised" License
socket.io-agilelaw	0.9.13	MIT License
socket.io-browserify	0.9.11	MIT License
Spatial4j	0.6	Apache License 2.0
spf4j-zel	8.3.18	Apache License 2.0 AND LGPLv3.0 AND LGPLv2.1
sphinx_rtd_theme	0.4.1	MIT License
Spring Commons Logging Bridge	5.0.6.RELEASE	Apache License 2.0
Spring Framework	5.0.6.RELEASE	Apache License 2.0
Spring HATEOAS	0.24.0.RELEASE	Apache License 2.0
Spring Plugin Core	1.2.0.RELEASE	Apache License 2.0
SpringFox	2.2.2	Apache License 2.0
SQLite	3.7.17	Public Domain
StAX	1	Apache License 2.0
swagger-annotations	1.5.3	Apache License 2.0
swagger-models	1.5.3	Apache License 2.0
sysfsutils	2.1.0	LGPLv2.1
sysklogd	1.4.1	GPLv3.0
syslog-ng	3.9.1	GPLv2.0
syslog-ng-incubator	3.9.1	GPL 2.0 with OpenSSL Exception
syslog-ng-python	3.9.1	GPLv2.0
sysstat	v10.1.5	GPLv2.0

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sysvinit	2.86	GPLv2.0
tcp_wrappers	7.6	BSD 3-clause "New" or "Revised" License
tcp_wrappers-libs	7.6	BSD 3-clause "New" or "Revised" License
TCPDF	6.2.11	LGPLv3.0
tcpdump	4.5.1	BSD 3-clause "New" or "Revised" License
t-digest	3	Apache License 2.0
telnet	0.17	BSD 3-clause "New" or "Revised" License
telnet-server	0.17	BSD 3-clause "New" or "Revised" License
texinfo - GNU documentation system	5.1	GPLv3.0
tftp	5.2	BSD 3-clause "New" or "Revised" License
The FreeType Project	2.4.11	BSD 3-clause "New" or "Revised" License
Time Zone Database	2018g	Public Domain
tinycolor	0.0.1	MIT License
traceroute	2.0.19	GPLv2.0
transport-netty3-client	5.6.7	Apache License 2.0
transport-netty4-client	5.6.7	Apache License 2.0
UglifyJS	1.2.5	BSD 2-clause "Simplified" License
underscore	1.4.3	MIT License
unixODBC	2.3.1	GPLv2.0

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Unofficial OpenJDK build	1.6.0-unofficial-b27	GPLv2.0 w/Classpath exception
uritemplate	3.0.0	BSD 3-clause "New" or "Revised" License OR Apache License 2.0
urlgrabber	3.1	LGPLv2.1
urllib3	1.22	MIT License
ustr	1.0.4	MIT License
util-linux	2.23.2	GPLv2.0
vim-minimal	7.4.160	Vim License
Visionmedia Debug	0.7.2	MIT License
vixie-cron	4.1	ISC License AND BSD 2-clause “Simplified” License AND BSD 3-clause "New" or "Revised" License
websocket_client	1.0.0	BSD 3-clause "New" or "Revised" License
web-socket-js	master-20101230	BSD 3-clause "New" or "Revised" License
Webtoolkit Javascript base64	20090123	Creative Commons Attribution 2.0 UK License
Wget	1.16.2	GPLv3.0
when	3.7.3	MIT License
winston	0.7.3	MIT License
Winston Logging Library	0.6.1	MIT License
ws	0.4.22	MIT License
xinetd	2.3.15	Christian Michelsen Research License
XMLTooling-C	1.6.4	Apache License 2.0

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XZ Utils	5.1.2	GPLv2.0 or later AND LGPLv2.1 or later AND Public Domain AND GPLv3.0 or later
zeparser	0.0.7	MIT License
zlib	1.2.7	zlib License

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@epelc/gridstack	0.3.0-dev	MIT License
ACL	2.2.51	LGPLv2.1
ACPI daemon Project (acpid)	2.0.19	GPLv2.0
aggs-matrix-stats	5.6.7	Apache License 2.0
Animal Sniffer Annotations	1.14	MIT License
ANTLR	4.5.1-1	BSD 3-clause "New" or "Revised" License
Apache Bean Validation :: bval-core	1.1.2	Apache License 2.0
Apache BVal :: bval-jsr	1.1.2	Apache License 2.0
Apache Commons CLI	1.2	Apache License 2.0
Apache Commons Codec	1.9	Apache License 2.0
Apache Commons Compress	1.14	Apache License 2.0
Apache Commons Lang	3.5	Apache License 2.0
Apache Commons Logging	1.1.3	Apache License 2.0
Apache Geronimo	1.2-beta	Apache License 2.0
Apache Groovy	2.4.6	Apache License 2.0
Apache HTTP Server	2.4.6	Apache License 2.0
Apache HttpComponents AsyncClient	4.1.2	Apache License 2.0
Apache HttpComponents Client	4.5.2	Apache License 2.0
Apache HttpComponents Core	4.4.5	Apache License 2.0
Apache HttpMime	4.5.2	Apache License 2.0

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Apache log4j	2.9.1	Apache License 2.0
Apache Lucene	6.6.1	Apache License 2.0
Apache Portable Runtime	1.4.8	Apache License 2.0
Apache Tika	1.16	Apache License 2.0
apr-util	1.5.2	Apache License 2.0
ASM	5.1	BSD 3-clause "New" or "Revised" License
ASN.1 library for Python	0.1.7	BSD 2-clause "Simplified" License
AspectJ weaver	1.8.0	Eclipse Public License 1.0
Async	0.1.22	MIT License
attr-lib	2.4.47	LGPLv2.1
Audit	2.4.1	GPLv2.0
audit-libs	2.4.1	LGPLv2.0 or later
azure-sdk-for-python	6.1.2.9	MIT License
backports.ssl_match_hostname	3.5.0.1	Python License 2.0
basesystem	10.0.8	GPLv2.0
Bash	4.2.46	GPLv3.0
beanvalidation-api	1.1.0.Final	Apache License 2.0
beecrypt	4.2.1	LGPLv2.1
BIND (Berkeley Internet Name Domain)	9.9.4	ISC License
bind-libs	9.9.4	ISC License
bind-libs-lite	9.9.4	ISC License
bind-license	9.9.4	ISC License

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NAME	VERSION	LICENSE TYPE
bind-utils	9.9.4	ISC License
binutils	2.24	GPLv3.0 or later
Bluebird JS	3.5.0	MIT License
Bootstrap	4.1.3	MIT License
bsdutils	2.30.2	GPLv2.0 or later
bytes	0.1.0	MIT License
bytes.js	0.2.1	MIT License
bzip2	1.0.6	BSD 3-clause "New" or "Revised" License
bzip2-libs	1.0.6	BSD 3-clause "New" or "Revised" License
cavaliercoder/go-rpm	20170617 - snapshot -c7209c35	BSD 3-clause "New" or "Revised" License
centos-release	7	GPLv2.0
chardet	3.0.4	LGPLv2.1 or later
chart	3.2.0	Apache License 2.0
chkconfig	1.3.61	GPLv2.0
ci-node-server	0.0.6	MIT License
Cloud9 IDE	0.2.0	GPLv2.0
colors.js	0.6.0-1	MIT License
Commander.js	0.6.1	MIT License
Commons IO	2.5	Apache License 2.0
compiler - com.github.spullara.mustache.java:compiler	0.9.3	Apache License 2.0
connect	2.2.0	MIT License

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cookies	0.3.2	MIT License
cpp	4.8.5	GPLv3.0
cracklib	2.9.0	LGPLv2.1
cracklib2	2.8.16	LGPLv2.1
CRC	0.2.0	MIT License
crontabs	1.11	Public Domain
css-parse	1.0.4	MIT License
cycle	1.0.1	Public Domain
D3.js	3.4.11	BSD 3-clause "New" or "Revised" License
DB	5.3.21	Alternative Commercial License Available
Debian Php	5.3.3	PHP License v3.01
debug	0.7.2	MIT License
dejavu-fonts-common	2.33	Bitstream Vera Fonts Copyright
dejavu-sans-fonts	2.33	Bitstream Vera Fonts Copyright
device-mapper	1.02.107	GPLv2.0
device-mapper-libs	1.02.107	LGPLv2.1
devtoolset-3-binutils	2.24	GPLv3.0
dhclient	4.2.5	ISC License
dhcp-common	4.2.5	ISC License
dhcp-doc	4.3.4	ISC License
dhcp-libs	4.2.5	ISC License
diff	3.3	GPLv2.0 OR Free Documentation License v1.1 OR Free

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		Documentation License v1.3 OR GPLv3.0
diskscrub	2.5.2	GPLv2.0
dmidecode	2.12	GPLv2.0
e2fsprogs	1.42.9	GPLv2.0 AND LGPLv2.1
Eclipse Technology Aspect J	1.8.0	Eclipse Public License 1.0
ejs	1.0.0	MIT License
Elasticsearch	5.6.7	Apache License 2.0 OR Elastic License
Elasticsearch SecureSM	1.2	Apache License 2.0
elfutils	0.163	GPLv3.0
enum34	1.1.6	BSD 3-clause "New" or "Revised" License
error-prone annotations	2.0.18	Apache License 2.0
es5-shim	4.0.3	MIT License
EventLog Library	0.2.12	BSD 3-clause "New" or "Revised" License
Expat XML Parser	2.1.0	MIT License
expressjs	3.2.5	MIT License
Ext JS	3.2.0	Ext JS Commercial License OR Ext Exception to GPL 3.0 for Applications
Ext JS - Jangaroo Packaged	0.8.12	Affero GPLv3.0 AND GPLv3.0
Ext JS Ext.ux.YoutubePlayer	20080327	LGPLv2.1
Ext.ux.Livegrid Extension	0.5	Alternative Commercial License Available OR GPLv3.0
external-objenesis	1.0.4	Apache License 2.0

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Eyes	0.1.8	MIT License
fastlz	0.1.0	MIT License
file	5.11	Fine Free File Command License
file-libs	5.11	BSD 3-clause "New" or "Revised" License
FileSaver.js	d8c81c105 f3f952326 ead7700c8 cf6da2690 eba0	MIT License
FindBugs jsr305	2.0.3	Apache License 2.0
FindBugs-Annotations	3.0.0	LGPLv2.1
findutils	4.5.11	GPLv3.0
fipscheck	1.4.1	BSD 3-clause "New" or "Revised" License
fipscheck-lib	1.4.1	BSD 3-clause "New" or "Revised" License
firepad	0.1.4	MIT License
fontconfig	2.10.95	MIT License
formidable	1.0.14	MIT License
fresh	0.1.0	MIT License
Gawk	4.0.2	BSD 3-clause "New" or "Revised" License AND LGPLv3.0 or later AND GPLv3.0 or later
GDB	7.12	GPLv3.0
GitHub's jsPDF	1.2.61	MIT License
gkernel: rng-tools / ethtool	4.5	GPLv2.0
GLib2	2.42.2	LGPLv2.1

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global-store	0.7.1	MIT License
GMP	6.0.0	GPLv2.0 OR LGPLv3.0
GNU awk	4.0.2	GPLv3.0
GNU Binutils	2.23.52.0.1	GPLv3.0
GNU C Library	2.17	LGPLv2.1
GNU Compiler Collection	4.8.5	GPLv2.0 or later AND LGPLv3.0 or later AND LGPLv2.1 or later AND GPLv3.0 or later
GNU Core Utilities	8.22	GPLv3.0
GNU cpio	2.11	GPLv3.0
GNU grep	2.2	GPLv3.0
GNU Libtool	2.4.2	GPLv2.0
GNU Ncurses	5.9	Free Software Foundation - MIT License MIT+
GNU Parted	3.1	GPLv3.0
GNU tar	1.26	GPLv3.0
GnuPG	2.0.22	LGPLv3.0 AND GPLv3.0
google-api-python-client	1.5.4	Apache License 2.0
google-api-python-client-legacypython	1.6.2	Apache License 2.0
google-perftools	2.4	BSD 3-clause "New" or "Revised" License
google-snappy	1.1.0	BSD 3-clause "New" or "Revised" License
gradle-onejar	0.0.8	MIT License
graphael	1.1.0	MIT License

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grr-client-templates	3.1.0.2	Apache License 2.0
grub	0.97	GPLv2.0
Guava: Google Core Libraries for Java	23.3-jre	Apache License 2.0
gzip	1.5	GPLv3.0 AND GFD
HdrHistogram	2.1.9	Creative Commons Zero v1.0 Universal OR BSD 2-clause "Simplified" License OR Public Domain
Highcharts JS	4.2.5	Creative Commons Attribution Non Commercial 3.0 OR Alternative Commercial License Available
HPPC	0.7.1	Apache License 2.0
httpd-tools	2.4.6	Apache License 2.0
httplib2	0.9.2	MIT License
i18n-js	3.0.4	MIT License
ICU for Java (ICU4J)	59.1	ICU License
idna	2.5	BSD 3-clause "New" or "Revised" License
ingest-common	5.6.7	Apache License 2.0
initscripts	8.45.14.EL	GPLv3.0 or later
iproute2	3.10.0	GPLv2.0
IPTables	1.4.21	GPLv2.0
iputils	s20121221	GPLv2.0 AND BSD 3-clause "New" or "Revised" License AND Sun RPC License
IPython	2.4.1	BSD 3-clause "New" or "Revised" License

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irqbalance	1.13	GPLv3.0
isodate	0.5.4	BSD 3-clause "New" or "Revised" License
J2ObjC Annotations	1.3	Apache License 2.0
jackson-annotations	2.9.5	Apache License 2.0
jackson-core	2.9.5	Apache License 2.0
jackson-databind	2.9.5	Apache License 2.0
Jackson-dataformat-CBOR	2.8.6	Apache License 2.0
jackson-dataformat-smile	2.8.6	Apache License 2.0
jackson-dataformat-yaml	2.8.6	Apache License 2.0
jackson-datatype-guava	2.9.5	Apache License 2.0
Jackson-datatype-jdk8	2.9.5	Apache License 2.0
jackson-datatype-joda	2.9.5	Apache License 2.0
Java API for XML Processing	1.4	Apache License 2.0 OR W3C Software Notice and License (2002-12-31)
Java API for XML Web Services 2.2	2.0.4.Final	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.1
Java Architecture for XML Binding	2.3.0	GPL With Classpath Exception v2.0 AND Common Development and Distribution License 1.1
Java Platform Standard Edition (JRE) (J2RE)	8u181	Oracle Java SE and JavaFX License
Java(TM) API for XML-Based Web Services 2.3	1.0.0.Final	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.1

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JavaBeans Activation Framework	1.2.0	GPL With Classpath Exception v2.0 OR Common Development and Distribution License 1.1
java-classmate	1.2.0	Apache License 2.0
JBoss Drools	5.2.0.015	Apache License 2.0
JBoss Logging 3	3.3.0.Final	Apache License 2.0
JCL 1.2 Implemented Over SLF4J	1.7.7	MIT License
jcodings	1.0.12	MIT License
Joda Time	2.9.5	Apache License 2.0
joni	2.1.6	MIT License
JOpt Simple	5.0.2	MIT License
jQuery	3.5.1	MIT License
jQuery Mousewheel	3.1.6	MIT License
jQuery UI	1.11.0-1	MIT License
js-bson	0.2.2	Apache License 2.0
JSONLD Java :: Core	0.8.3	BSD 3-clause "New" or "Revised" License
JSONPath	0.8.0	MIT License
jspdf-autotable	2.3.0	MIT License
jspm-resolve	1.0.6	MIT License
js-web-socket-js	1.0.2	BSD 3-clause "New" or "Revised" License
JTS Topology Suite	1.13	LGPLv2.1
Jython	2.7.5	Jython License v1.1.x
keyutils	1.5.8	GPLv2.0 AND LGPLv2.1

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keyutils-libs	1.5.8	GPLv2.0 AND LGPLv2.1
kubernetes	7.0.0	Apache License 2.0
lang-expression	5.6.7	Apache License 2.0
lang-groovy	5.6.7	Apache License 2.0
lang-mustache	5.6.7	Apache License 2.0
lang-mustache-client	5.6.10	Apache License 2.0
lang-painless	5.6.7	Apache License 2.0
less	458	GPLv3.0
libassuan	2.1.0	LGPLv2.1 or later OR GPLv3.0
libcap-dev	2.22	LGPLv2.1
libcap-ng	0.7.5	LGPLv2.1
libcomerr2	1.42.9	MIT License
libdb	5.3.21	BSD 3-clause "New" or "Revised" License
libdb-utils	5.3.21	BSD 3-clause "New" or "Revised" License
libevent	2.0.21	BSD 3-clause "New" or "Revised" License
libevent - an event notification library	2.0.21	BSD 3-clause "New" or "Revised" License
libffi	3.2.1	MIT License
libgcc	4.8.5	GPLv3.0
libgssglue	0.1	GPLv1.0 or later
libgssglue1	0.1	BSD 3-clause "New" or "Revised" License OR Xmlproc License OR Christian Michelsen Research

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		License OR Silicon Graphics New License
libguestfs	1.16.19	LGPLv2.1
libidn	1.28	LGPLv2.1
libjpeg	1.2.90	BSD 3-clause "New" or "Revised" License
libjpeg-turbo	1.2.90	Independent JPEG Group License
libksba	1.3.5	GPLv2.0 AND Internet Society - RFC License AND LGPLv3.0 AND GPLv3.0
liblockdev1	1.0.4	LGPLv2.1
libmount	2.23.2	LGPLv2.1
libnfnetlink	1.0.1	GPLv2.0
libnfsidmap	0.25	BSD 3-clause "New" or "Revised" License
libnfsidmap-dev	0.25	BSD 3-clause "New" or "Revised" License
libpcap	1.5.3	BSD 3-clause "New" or "Revised" License
libpng	1.5.13	libpng License
libpth-dbg	2.0.7	LGPLv2.1
libpwquality	1.2.3	GPLv2.0 OR BSD 3-clause "New" or "Revised" License
librdkafka - the Apache Kafka C/C++ client library	0.11.4	BSD 3-clause "New" or "Revised" License
libselinux	2.2.2	Public Domain
libsemanage	2.1.10	LGPLv2.1
libss	1.42.9	MIT License

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libstdc++	4.8.5	GPLv3.0
libtirpc	0.2.4	BSD 3-clause "New" or "Revised" License
libunwind	1.1	MIT License
libuser	0.6	LGPLv2.1
libxml2-python	2.9.4	MIT License
libxslt	1.1.28	BigInteger License
Linux Diagnostic Tools	2.1.0	GPLv2.0 AND LGPLv2.1 AND Eclipse Public License 1.0
Linux kernel	3.10.88	GPLv2.0
Linux-Pam	1.1.8	GPLv2.0 OR BSD 3-clause "New" or "Revised" License
Log4J API	2.9.1	Apache License 2.0
Log4J Compatibility API	2.9.1	Apache License 2.0
logrotate	3.8.6	GPLv2.0
Lucene Analyzers	6.6.1	Apache License 2.0
Lucene Expressions	6.6.1	Apache License 2.0
Lucene Grouping	6.6.1	Apache License 2.0
Lucene Highlighter	6.6.1	Apache License 2.0
Lucene Join	6.6.1	Apache License 2.0
Lucene Memory	6.6.1	Apache License 2.0
Lucene Miscellaneous	6.6.1	Apache License 2.0
Lucene Queries	6.6.1	Apache License 2.0
Lucene Query Parser	6.6.1	Apache License 2.0
Lucene Sandbox	6.6.1	Apache License 2.0

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Lucene Spatial	6.6.1	Apache License 2.0
Lucene Spatial 3D	6.6.1	Apache License 2.0
Lucene Spatial Extras	6.6.1	Apache License 2.0
Lucene Suggest	6.6.1	Apache License 2.0
LZO real-time data compression library	2.06	GPLv2.0
M2Crypto	0.21.1	M2Crypto License (similar to Historical Permission Notice and Disclaimer)
magda-io/magda	v0.0.32	Apache License 2.0
mailx	12.5	BSD-4-Clause (University of California-Specific) AND Mozilla Public License 1.1
MAKEDEV	3.23	GPLv2.0
MapStruct Core	1.0.0.CR1	Apache License 2.0
mcrypt	2.5.8	GPLv2.0
methods	0.0.1	MIT License
Metro OSGi API bundle for GlassFish V3	2.4.2	GPLv2.0 With Classpath Exception OR Common Development and Distribution License 1.1
mime	1.2.6	MIT License
mingetty	1.07	GPLv3.0
Modernizr	2.0.6	BSD 3-clause "New" or "Revised" License AND MIT License
module-init-tools	3.3	GPLv3.0
MongoDB	2.4.8	Affero GPLv3.0 AND Apache License 2.0
Mongoose	1.3.17	Apache License 2.0

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Mozilla NSS	3.16.2.3	Mozilla Public License 2.0
mumble-django	2.5	GPLv2.0 or later
ncurses-libs	5.9	MIT License
ncurses-term	5.9	BSD 3-clause "New" or "Revised" License OR X11 License OR BigInteger License
Net-SNMP	5.7.2	BSD 3-clause "New" or "Revised" License AND CMU License
net-tools	2	LGPLv3.0
Netty Project	4.1.13.Final	Apache License 2.0
Network Time Protocol project (NTP)	4.2.8p6	GPLv2.0 AND BSD-4-Clause (University of California-Specific) AND BSD 3-clause "New" or "Revised" License AND MIT License
NFS	1.3.0	GPLv2.0 AND GPLv2.0 AND BSD 3-clause "New" or "Revised" License AND MIT License
node-active-x-obfuscator	0.0.2	MIT License
node-cookie	0.1.0	MIT License
node-cookie-signature	1.0.1	MIT License
node-gently	v0.9.2	MIT License
nodejs-stack-trace	0.0.9	MIT License
node-mkdirp	0.3.5	MIT License
node-policyfile	0.0.5	Expat License
node-stack-trace	0.0.6	MIT License
node-XMLHttpRequest	1.8.0	MIT License
nongnu - dmidecode	2.12	GPLv2.0

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NSS	3.19.1	Mozilla Public License 2.0
nss-softokn	3.19.1	Mozilla Public License 2.0
nss-softokn-freebl	3.19.1	Mozilla Public License 2.0
nss-tools	3.19.1	Mozilla Public License 2.0
nss-utils	3.19.1	Mozilla Public License 2.0
nvidia-visual-profiler	9.1.85	MIT v2.0 with Ad Clause License OR Independent JPEG Group License OR GLX Public License v. 1 OR ISC License OR X.Net License OR Affero GPLv3.0 OR GPLv2.0 or later OR BSD 3-clause "New" or "Revised" License OR CUP Parser Generator Copyright Notice, License and Disclaimer OR X11 License OR libpng License OR zlib License OR Apache License 2.0 OR Bitstream Vera Fonts Copyright OR Internet Society - RFC License OR GPLv1.0 or later OR BSD 4-clause "Original" or "Old" License OR W3C Software Notice and License (2002-12-31) OR MIT License OR Open Group License OR Bigelow & Holmes and URW++ GmbH Luxi Font License OR Christian Michelsen Research License OR CID Font Code Public License v. 1.0 OR Microsoft Public License OR LGPLv2.0 or later OR NVIDIA License OR BSD 2-clause "Simplified" License OR Mozilla Public License 2.0 OR LGPLv2.1 or later OR Beerware License OR Public Domain OR XFree86 License 1.1 OR Sax Public Domain Notice
oauthlib	2.0.1	BSD 3-clause "New" or "Revised" License
object-assign-shim	1.0.0	MIT License

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One-JAR(TM)	0.97	BSD 4-clause "Original" or "Old" License
Open Virtual Machine Tools	10.3.10	GPLv2.0
OpenJDK	8	GPLv2.0 AND Apache License 2.0 AND GPLv2.0 w/Classpath exception AND Mozilla Public License 1.0 AND W3C Software Notice and License (2002-12-31) AND Apache License 1.1 AND Mozilla Public License 1.1
OpenLDAP	2.4.40	Open LDAP Public License v2.8
openldap-clients	2.4.40	Open LDAP Public License v2.8
OpenSAML 2.0	2.5.5	Apache License 2.0
OpenSSH	6.4p1	BSD 3-clause "New" or "Revised" License
OpenSSL	1.0.1e	The Open SSL License AND SSLeay License
openwsman	2.3.6	BSD 3-clause "New" or "Revised" License
Open-Xchange	7.4.2-14	Apache License 2.0
Options	0.0.3	MIT License
pam_krb5	2.4.8	BSD 3-clause "New" or "Revised" License
parent-join	5.6.7	Apache License 2.0
parted	3.1	GPLv3.0
passwd	0.79	GPLv2.0 AND BSD 3-clause "New" or "Revised" License
pause	0.0.1	MIT License
pciutils-libs	3.2.1	GPLv2.0

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PCRE	8.32	PCRE License
percolator-client	5.6.7	Apache License 2.0
pexpect	2.3	MIT License
phantomjs	1.9.8	Apache License 2.0
PHP	5.6.25	PHP License v3.01
php-fpdf	1.53.dfsg	PHP License v3.01
php-mongodb	1.1.2	Apache License 2.0
php-pecl-jsonc	1.3.6	PHP License v3.01
pinentry	0.8.1	GPLv2.0
pinentry-gtk2	0.8.1	GPLv2.0
pkginfo	0.2.3	MIT License
policyfile	0.0.4	MIT License
popt	1.13	MIT License
prismic.io	1.1.4	Apache License 2.0
procps-ng	3.3.10	GPLv2.0 or later AND LGPLv2.1 or later AND GPLv3.0 or later
Protocol Buffers	3.2.0	BSD 3-clause "New" or "Revised" License
psmisc	22.2	GPLv2.0 or later
pth	2.0.7	LGPLv2.1
PUPA	0.97	GPLv2.0
PyCrypto	2.6.1	Public Domain
PycURL	7.43.0	cURL License OR LGPLv2.1
py-dateutil	2.5.3	BSD 3-clause "New" or "Revised" License

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PyJWT	1.6.1	MIT License
PyMongo	3.0.3	Apache License 2.0
py-oauth2client	4.0.0	Apache License 2.0
py-requests	2.13.0	Apache License 2.0
Python programming language	2.7.5	Python License 2.0
python2-adal	1.0.2	MIT License
python2-google-api-client	1.6.2	Apache License 2.0
python2-jwt	1.6.1	MIT License
python2-msrestazure	0.5.0	MIT License
python2-pyyaml	3.12	MIT License
python2-requests	2.18.4	Apache License 2.0
python2-rsa	3.4.2	Apache License 2.0
python2-urllib3	1.22	MIT License
python2-websocket-client	0.47.0	LGPLv2.1
python-backports.ssl-match-hostname	3.4.0.2	Python License 2.0
python-certifi	2016.9.26	Mozilla Public License 2.0
python-crypto	2.6.1	Public Domain AND Python License 2.0
python-cryptography	1.7.1	BSD 3-clause "New" or "Revised" License OR Apache License 2.0
pythonfutures	3.2.0	Python License 2.0
python-libevent	0.9.2	LGPLv3.0
python-M2Crypto	0.22.5	BSD 3-clause "New" or "Revised" License AND MIT License AND Zope Public License 2.0

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python-msrest	0.4.29	MIT License
python-pillow	2.0.0	MIT License
python-pyasn1	0.1.7	BSD 3-clause "New" or "Revised" License
python-pyasn1-modules	0.0.5	BSD 2-clause "Simplified" License
python-reportlab	2.5	BSD 3-clause "New" or "Revised" License
python-urlgrabber	3.1	LGPLv2.1
python-urllib3	1.22	MIT License
python-urwid	0.9.8.3	LGPLv2.1
py-urlgrabber-doc	3.10.1	LGPLv2.1
PyYAML - a YAML parser and emitter for Python	3.1	MIT License
qs - QS Querystring	0.5.1	MIT License
range-parser	0.0.4	MIT License
rcs	5.9.0	GPLv3.0
Readline	6.2	GPLv3.0 or later
redis	3.2.4	MIT License
redis-knack	v0.8.1	MIT License
reindex-client	5.6.7	Apache License 2.0
ReportLab	2.5	BSD 3-clause "New" or "Revised" License
request	2.11.4	Apache License 2.0
Request - Simple HTTP Client	2.9.203	Apache License 2.0
requests	2.18.4	Apache License 2.0

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requests-legacypython	2.18.4	Apache License 2.0
requests-oauthlib	0.8.0	ISC License
rest	5.6.7	Apache License 2.0
rootfiles	8.1	Public Domain
RPCBind	0.2.0	BSD 3-clause "New" or "Revised" License
RPM	4.11.3	GPLv2.0
rpm-libs	4.11.3	GPLv2.0 AND LGPLv2.1
rsa-legacypython	3.4.2	Apache License 2.0
RxJava	1.1.9	Apache License 2.0
sed	4.2.2	GPLv2.0
senchalabs / connect	2.7.10	MIT License
send	0.2.0	MIT License
setup	2.8.71-6.el7	Public Domain
setuptools	0.9.8	Python License 2.0
SF3JSWING: Kernel CORE	1.3.20	Apache License 2.0
Shadow Tool Suite	4.1.5.1	GPLv2.0 OR BSD 3-clause "New" or "Revised" License OR GPLv1.0 or later
Should-js	1.2.1	MIT License
simogeo's Filemanager	2.2.0	MIT License
six Compatibility Utility	1.10.0	MIT License
SLF4J API Module	1.7.7	MIT License
SLF4J LOG4J-12 Binding	1.7.7	MIT License
smart_proxy_dhcp_remote_isc	0.0.2.1	GPLv3.0

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NAME	VERSION	LICENSE TYPE
SnakeYAML	1.15	Apache License 2.0
snappy	1.1.0	BSD 3-clause "New" or "Revised" License
socket.io-agilelaw	0.9.13	MIT License
socket.io-browserify	0.9.11	MIT License
Spatial4j	0.6	Apache License 2.0
spf4j-zel	8.3.18	Apache License 2.0 AND LGPLv3.0 AND LGPLv2.1
sphinx_rtd_theme	0.4.1	MIT License
Spring Commons Logging Bridge	5.0.6.RELEASE	Apache License 2.0
Spring Framework	5.0.6.RELEASE	Apache License 2.0
Spring HATEOAS	0.24.0.RELEASE	Apache License 2.0
Spring Plugin Core	1.2.0.RELEASE	Apache License 2.0
SpringFox	2.2.2	Apache License 2.0
SQLite	3.7.17	Public Domain
StAX	1	Apache License 2.0
swagger-annotations	1.5.3	Apache License 2.0
swagger-models	1.5.3	Apache License 2.0
sysfsutils	2.1.0	LGPLv2.1
sysklogd	1.4.1	GPLv3.0
syslog-ng	3.8.1	GPLv2.0
syslog-ng-incubator	3.8.1	GPL 2.0 with OpenSSL Exception
syslog-ng-python	3.8.1	GPLv2.0
sysstat	v10.1.5	GPLv2.0

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sysvinit	2.86	GPLv2.0
tcp_wrappers	7.6	BSD 3-clause "New" or "Revised" License
tcp_wrappers-libs	7.6	BSD 3-clause "New" or "Revised" License
TCPDF	6.2.11	LGPLv3.0
tcpdump	4.5.1	BSD 3-clause "New" or "Revised" License
t-digest	3	Apache License 2.0
telnet	0.17	BSD 3-clause "New" or "Revised" License
telnet-server	0.17	BSD 3-clause "New" or "Revised" License
texinfo - GNU documentation system	5.1	GPLv3.0
tftp	5.2	BSD 3-clause "New" or "Revised" License
The FreeType Project	2.4.11	BSD 3-clause "New" or "Revised" License
Time Zone Database	2018g	Public Domain
tinycolor	0.0.1	MIT License
traceroute	2.0.19	GPLv2.0
transport-netty3-client	5.6.7	Apache License 2.0
transport-netty4-client	5.6.7	Apache License 2.0
UglifyJS	1.2.5	BSD 2-clause "Simplified" License
underscore	1.4.3	MIT License
unixODBC	2.3.1	GPLv2.0

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Unofficial OpenJDK build	1.6.0-unofficial-b27	GPLv2.0 w/Classpath exception
uritemplate	3.0.0	BSD 3-clause "New" or "Revised" License OR Apache License 2.0
urlgrabber	3.1	LGPLv2.1
urllib3	1.22	MIT License
ustr	1.0.4	MIT License
util-linux	2.23.2	GPLv2.0
vim-minimal	7.4.160	Vim License
Visionmedia Debug	0.7.2	MIT License
vixie-cron	4.1	ISC License AND BSD 2-clause “Simplified” License AND BSD 3-clause "New" or "Revised" License
websocket_client	1.0.0	BSD 3-clause "New" or "Revised" License
web-socket-js	master-20101230	BSD 3-clause "New" or "Revised" License
Webtoolkit Javascript base64	20090123	Creative Commons Attribution 2.0 UK License
Wget	1.16.2	GPLv3.0
when	3.7.3	MIT License
winston	0.7.3	MIT License
Winston Logging Library	0.6.1	MIT License
ws	0.4.22	MIT License
xinetd	2.3.15	xinetd License
XMLTooling-C	1.6.4	Apache License 2.0

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XZ Utils	5.1.2	GPLv2.0 or later AND LGPLv2.1 or later AND Public Domain AND GPLv3.0 or later
zeparser	0.0.7	MIT License
zlib	1.2.7	zlib License

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@epelc/gridstack	0.3.0-dev	MIT License
ACL	2.2.51	LGPLv2.1
ACPI daemon Project (acpid)	2.0.19	GPLv2.0
aggs-matrix-stats	5.6.7	Apache License 2.0
Animal Sniffer Annotations	1.14	MIT License
ANTLR	4.5.1-1	BSD 3-clause "New" or "Revised" License
Apache Bean Validation :: bval-core	1.1.2	Apache License 2.0
Apache BVal :: bval-jsr	1.1.2	Apache License 2.0
Apache Commons CLI	1.2	Apache License 2.0
Apache Commons Codec	1.9	Apache License 2.0
Apache Commons Compress	1.14	Apache License 2.0
Apache Commons Lang	3.5	Apache License 2.0
Apache Commons Logging	1.1.3	Apache License 2.0
Apache Geronimo	1.2-beta	Apache License 2.0
Apache Groovy	2.4.6	Apache License 2.0
Apache HTTP Server	2.4.6	Apache License 2.0
Apache HttpComponents AsyncClient	4.1.2	Apache License 2.0
Apache HttpComponents Client	4.5.2	Apache License 2.0
Apache HttpComponents Core	4.4.5	Apache License 2.0
Apache HttpMime	4.5.2	Apache License 2.0

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Apache log4j	2.9.1	Apache License 2.0
Apache Lucene	6.6.1	Apache License 2.0
Apache Portable Runtime	1.4.8	Apache License 2.0
Apache Tika	1.16	Apache License 2.0
apr-util	1.5.2	Apache License 2.0
ASM	5.1	BSD 3-clause "New" or "Revised" License
ASN.1 library for Python	0.1.7	BSD 2-clause "Simplified" License
AspectJ weaver	1.8.0	Eclipse Public License 1.0
Async	0.1.22	MIT License
attr-lib	2.4.47	LGPLv2.1
Audit	2.4.1	GPLv2.0
audit-libs	2.4.1	LGPLv2.0 or later
azure-sdk-for-python	6.1.2.9	MIT License
backports.ssl_match_hostname	3.5.0.1	Python License 2.0
basesystem	10.0.8	GPLv2.0
Bash	4.2.46	GPLv3.0
beanvalidation-api	1.1.0.Final	Apache License 2.0
beecrypt	4.2.1	LGPLv2.1
BIND (Berkeley Internet Name Domain)	9.9.4	ISC License
bind-libs	9.9.4	ISC License
bind-libs-lite	9.9.4	ISC License
bind-license	9.9.4	ISC License
bind-utils	9.9.4	ISC License

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binutils	2.24	GPLv3.0 or later
Bluebird JS	3.5.0	MIT License
Bootstrap	4.1.3	MIT License
bsdutils	2.30.2	GPLv2.0 or later
bytes	0.1.0	MIT License
bytes.js	0.2.1	MIT License
bzip2	1.0.6	BSD 3-clause "New" or "Revised" License
bzip2-libs	1.0.6	BSD 3-clause "New" or "Revised" License
cavaliercoder/go-rpm	20170617 - snapshot - c7209c35	BSD 3-clause "New" or "Revised" License
centos-release	7	GPLv2.0
chardet	3.0.4	LGPLv2.1 or later
chart	3.2.0	Apache License 2.0
chkconfig	1.3.61	GPLv2.0
ci-node-server	0.0.6	MIT License
Cloud9 IDE	0.2.0	GPLv2.0
colors.js	0.6.0-1	MIT License
Commander.js	0.6.1	MIT License
Commons IO	2.5	Apache License 2.0
compiler - com.github.spullara.mustache.java:compiler	0.9.3	Apache License 2.0
connect	2.2.0	MIT License
cookies	0.3.2	MIT License
cpp	4.8.5	GPLv3.0

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cracklib	2.9.0	LGPLv2.1
cracklib2	2.8.16	LGPLv2.1
CRC	0.2.0	MIT License
crontabs	1.11	Public Domain
css-parse	1.0.4	MIT License
cycle	1.0.1	Public Domain
D3.js	3.4.11	BSD 3-clause "New" or "Revised" License
DB	5.3.21	Alternative Commercial License Available
Debian Php	5.3.3	PHP License v3.01
debug	0.7.2	MIT License
dejavu-fonts-common	2.33	Bitstream Vera Fonts Copyright
dejavu-sans-fonts	2.33	Bitstream Vera Fonts Copyright
device-mapper	1.02.107	GPLv2.0
device-mapper-libs	1.02.107	LGPLv2.1
devtoolset-3-binutils	2.24	GPLv3.0
dhclient	4.2.5	ISC License
dhcp-common	4.2.5	ISC License
dhcp-doc	4.3.4	ISC License
dhcp-libs	4.2.5	ISC License
diff	3.3	GPLv2.0 OR Free Documentation License v1.1 OR Free Documentation License v1.3 OR GPLv3.0
diskscrub	2.5.2	GPLv2.0
dmidecode	2.12	GPLv2.0

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e2fsprogs	1.42.9	GPLv2.0 AND LGPLv2.1
Eclipse Technology Aspect J	1.8.0	Eclipse Public License 1.0
ejs	1.0.0	MIT License
Elasticsearch	5.6.7	Apache License 2.0 OR Elastic License
Elasticsearch SecureSM	1.2	Apache License 2.0
elfutils	0.163	GPLv3.0
enum34	1.1.6	BSD 3-clause "New" or "Revised" License
error-prone annotations	2.0.18	Apache License 2.0
es5-shim	4.0.3	MIT License
EventLog Library	0.2.12	BSD 3-clause "New" or "Revised" License
Expat XML Parser	2.1.0	MIT License
expressjs	3.2.5	MIT License
Ext JS	3.2.0	Ext JS Commercial License OR Ext Exception to GPL 3.0 for Applications
Ext JS - Jangaroo Packaged	0.8.12	Affero GPLv3.0 AND GPLv3.0
Ext JS Ext.ux.YoutubePlayer	20080327	LGPLv2.1
Ext.ux.Livegrid Extension	0.5	Alternative Commercial License Available OR GPLv3.0
external-objenesis	1.0.4	Apache License 2.0
Eyes	0.1.8	MIT License
fastlz	0.1.0	MIT License
file	5.11	Fine Free File Command License
file-libs	5.11	BSD 3-clause "New" or "Revised" License
FileSaver.js	d8c81c105 f3f952326	MIT License

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	ead7700c8cf6da2690eba0	
FindBugs jsr305	2.0.3	Apache License 2.0
FindBugs-Annotations	3.0.0	LGPLv2.1
findutils	4.5.11	GPLv3.0
fipscheck	1.4.1	BSD 3-clause "New" or "Revised" License
fipscheck-lib	1.4.1	BSD 3-clause "New" or "Revised" License
firepad	0.1.4	MIT License
fontconfig	2.10.95	MIT License
formidable	1.0.14	MIT License
fresh	0.1.0	MIT License
Gawk	4.0.2	BSD 3-clause "New" or "Revised" License AND LGPLv3.0 or later AND GPLv3.0 or later
GDB	7.12	GPLv3.0
GitHub's jsPDF	1.2.61	MIT License
gkernel: rng-tools / ethtool	4.5	GPLv2.0
GLib2	2.42.2	LGPLv2.1
global-store	0.7.1	MIT License
GMP	6.0.0	GPLv2.0 OR LGPLv3.0
GNU awk	4.0.2	GPLv3.0
GNU Binutils	2.23.52.0.1	GPLv3.0
GNU C Library	2.17	LGPLv2.1
GNU Compiler Collection	4.8.5	GPLv2.0 or later AND LGPLv3.0 or later AND LGPLv2.1 or later AND GPLv3.0 or later

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GNU Core Utilities	8.22	GPLv3.0
GNU cpio	2.11	GPLv3.0
GNU grep	2.2	GPLv3.0
GNU Libtool	2.4.2	GPLv2.0
GNU Ncurses	5.9	Free Software Foundation - MIT License MIT+
GNU Parted	3.1	GPLv3.0
GNU tar	1.26	GPLv3.0
GnuPG	2.0.22	LGPLv3.0 AND GPLv3.0
google-api-python-client	1.5.4	Apache License 2.0
google-api-python-client-legacypython	1.6.2	Apache License 2.0
google-perftools	2.4	BSD 3-clause "New" or "Revised" License
google-snappy	1.1.0	BSD 3-clause "New" or "Revised" License
gradle-onejar	0.0.8	MIT License
graphael	1.1.0	MIT License
grr-client-templates	3.1.0.2	Apache License 2.0
grub	0.97	GPLv2.0
Guava: Google Core Libraries for Java	23.3-jre	Apache License 2.0
gzip	1.5	GPLv3.0 AND GFD
HdrHistogram	2.1.9	Creative Commons Zero v1.0 Universal OR BSD 2-clause "Simplified" License OR Public Domain
Highcharts JS	4.2.5	Creative Commons Attribution Non Commercial 3.0 OR Alternative Commercial License Available

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HPPC	0.7.1	Apache License 2.0
httpd-tools	2.4.6	Apache License 2.0
httplib2	0.9.2	MIT License
i18n-js	3.0.4	MIT License
ICU for Java (ICU4J)	59.1	ICU License
idna	2.5	BSD 3-clause "New" or "Revised" License
ingest-common	5.6.7	Apache License 2.0
initscripts	8.45.14.EL	GPLv3.0 or later
iproute2	3.10.0	GPLv2.0
IPTables	1.4.21	GPLv2.0
iputils	s20121221	GPLv2.0 AND BSD 3-clause "New" or "Revised" License AND Sun RPC License
IPython	2.4.1	BSD 3-clause "New" or "Revised" License
irqbalance	1.13	GPLv3.0
isodate	0.5.4	BSD 3-clause "New" or "Revised" License
J2ObjC Annotations	1.3	Apache License 2.0
jackson-annotations	2.9.5	Apache License 2.0
jackson-core	2.9.5	Apache License 2.0
jackson-databind	2.9.5	Apache License 2.0
Jackson-dataformat-CBOR	2.8.6	Apache License 2.0
jackson-dataformat-smile	2.8.6	Apache License 2.0
jackson-dataformat-yaml	2.8.6	Apache License 2.0
jackson-datatype-guava	2.9.5	Apache License 2.0
Jackson-datatype-jdk8	2.9.5	Apache License 2.0

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jackson-datatype-joda	2.9.5	Apache License 2.0
Java API for XML Processing	1.4	Apache License 2.0 OR W3C Software Notice and License (2002-12-31)
Java API for XML Web Services 2.2	2.0.4.Final	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.1
Java Architecture for XML Binding	2.3.0	GPL With Classpath Exception v2.0 AND Common Development and Distribution License 1.1
Java Platform Standard Edition (JRE) (J2RE)	8u181	Oracle Java SE and JavaFX License
Java(TM) API for XML-Based Web Services 2.3	1.0.0.Final	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.1
JavaBeans Activation Framework	1.2.0	GPL With Classpath Exception v2.0 OR Common Development and Distribution License 1.1
java-classmate	1.2.0	Apache License 2.0
JBoss Drools	5.2.0.015	Apache License 2.0
JBoss Logging 3	3.3.0.Final	Apache License 2.0
JCL 1.2 Implemented Over SLF4J	1.7.7	MIT License
jcodings	1.0.12	MIT License
Joda Time	2.9.5	Apache License 2.0
joni	2.1.6	MIT License
JOpt Simple	5.0.2	MIT License
jQuery	3.5.1	MIT License
jQuery Mousewheel	3.1.6	MIT License
jQuery UI	1.11.0-1	MIT License

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js-bson	0.2.2	Apache License 2.0
JSONLD Java :: Core	0.8.3	BSD 3-clause "New" or "Revised" License
JSONPath	0.8.0	MIT License
jspdf-autotable	2.3.0	MIT License
jspm-resolve	1.0.6	MIT License
js-web-socket-js	1.0.2	BSD 3-clause "New" or "Revised" License
JTS Topology Suite	1.13	LGPLv2.1
Jython	2.7.5	Jython License v1.1.x
keyutils	1.5.8	GPLv2.0 AND LGPLv2.1
keyutils-libs	1.5.8	GPLv2.0 AND LGPLv2.1
kubernetes	7.0.0	Apache License 2.0
lang-expression	5.6.7	Apache License 2.0
lang-groovy	5.6.7	Apache License 2.0
lang-mustache	5.6.7	Apache License 2.0
lang-mustache-client	5.6.10	Apache License 2.0
lang-painless	5.6.7	Apache License 2.0
less	458	GPLv3.0
libassuan	2.1.0	LGPLv2.1 or later OR GPLv3.0
libcap-dev	2.22	LGPLv2.1
libcap-ng	0.7.5	LGPLv2.1
libcomerr2	1.42.9	MIT License
libdb	5.3.21	BSD 3-clause "New" or "Revised" License
libdb-utils	5.3.21	BSD 3-clause "New" or "Revised" License

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libevent	2.0.21	BSD 3-clause "New" or "Revised" License
libevent - an event notification library	2.0.21	BSD 3-clause "New" or "Revised" License
libffi	3.2.1	MIT License
libgcc	4.8.5	GPLv3.0
libgssglue	0.1	GPLv1.0 or later
libgssglue1	0.1	BSD 3-clause "New" or "Revised" License OR Xmlproc License OR Christian Michelsen Research License OR Silicon Graphics New License
libguestfs	1.16.19	LGPLv2.1
libidn	1.28	LGPLv2.1
libjpeg	1.2.90	BSD 3-clause "New" or "Revised" License
libjpeg-turbo	1.2.90	Independent JPEG Group License
libksba	1.3.5	GPLv2.0 AND Internet Society - RFC License AND LGPLv3.0 AND GPLv3.0
liblockdev1	1.0.4	LGPLv2.1
libmount	2.23.2	LGPLv2.1
libnfnetlink	1.0.1	GPLv2.0
libnfsidmap	0.25	BSD 3-clause "New" or "Revised" License
libnfsidmap-dev	0.25	BSD 3-clause "New" or "Revised" License
libpcap	1.5.3	BSD 3-clause "New" or "Revised" License
libpng	1.5.13	libpng License
libpth-dbg	2.0.7	LGPLv2.1
libpwquality	1.2.3	GPLv2.0 OR BSD 3-clause "New" or "Revised" License

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librdkafka - the Apache Kafka C/C++ client library	0.11.4	BSD 3-clause "New" or "Revised" License
libselinux	2.2.2	Public Domain
libsemanage	2.1.10	LGPLv2.1
libss	1.42.9	MIT License
libstdc++	4.8.5	GPLv3.0
libtirpc	0.2.4	BSD 3-clause "New" or "Revised" License
libunwind	1.1	MIT License
libuser	0.6	LGPLv2.1
libxml2-python	2.9.4	MIT License
libxslt	1.1.28	BigInteger License
Linux Diagnostic Tools	2.1.0	GPLv2.0 AND LGPLv2.1 AND Eclipse Public License 1.0
Linux kernel	3.10.88	GPLv2
Linux-Pam	1.1.8	GPLv2.0 OR BSD 3-clause "New" or "Revised" License
Log4J API	2.9.1	Apache License 2.0
Log4J Compatibility API	2.9.1	Apache License 2.0
logrotate	3.8.6	GPLv2.0
Lucene Analyzers	6.6.1	Apache License 2.0
Lucene Expressions	6.6.1	Apache License 2.0
Lucene Grouping	6.6.1	Apache License 2.0
Lucene Highlighter	6.6.1	Apache License 2.0
Lucene Join	6.6.1	Apache License 2.0
Lucene Memory	6.6.1	Apache License 2.0

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Lucene Miscellaneous	6.6.1	Apache License 2.0
Lucene Queries	6.6.1	Apache License 2.0
Lucene Query Parser	6.6.1	Apache License 2.0
Lucene Sandbox	6.6.1	Apache License 2.0
Lucene Spatial	6.6.1	Apache License 2.0
Lucene Spatial 3D	6.6.1	Apache License 2.0
Lucene Spatial Extras	6.6.1	Apache License 2.0
Lucene Suggest	6.6.1	Apache License 2.0
LZO real-time data compression library	2.06	GPLv2.0
M2Crypto	0.21.1	M2Crypto License (similar to Historical Permission Notice and Disclaimer)
magda-io/magda	v0.0.32	Apache License 2.0
mailx	12.5	BSD-4-Clause (University of California-Specific) AND Mozilla Public License 1.1
MAKEDEV	3.23	GPLv2.0
MapStruct Core	1.0.0.CR1	Apache License 2.0
mcrypt	2.5.8	GPLv2.0
methods	0.0.1	MIT License
Metro OSGi API bundle for GlassFish V3	2.4.2	GPLv2.0 With Classpath Exception OR Common Development and Distribution License 1.1
mime	1.2.6	MIT License
mingetty	1.07	GPLv3.0
Modernizr	2.0.6	BSD 3-clause "New" or "Revised" License AND MIT License

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module-init-tools	3.3	GPLv3.0
MongoDB	2.4.8	Affero GPLv3.0 AND Apache License 2.0
Mongoose	1.3.17	Apache License 2.0
Mozilla NSS	3.16.2.3	Mozilla Public License 2.0
mumble-django	2.5	GPLv2.0 or later
ncurses-libs	5.9	MIT License
ncurses-term	5.9	BSD 3-clause "New" or "Revised" License OR X11 License OR BigInteger License
Net-SNMP	5.7.2	BSD 3-clause "New" or "Revised" License AND CMU License
net-tools	2	LGPLv3.0
Netty Project	4.1.13.Final	Apache License 2.0
Network Time Protocol project (NTP)	4.2.8p6	GPLv2.0 AND BSD-4-Clause (University of California-Specific) AND BSD 3-clause "New" or "Revised" License AND MIT License
NFS	1.3.0	GPLv2.0 AND GPLv2.0 AND BSD 3-clause "New" or "Revised" License AND MIT License
node-active-x-obfuscator	0.0.2	MIT License
node-cookie	0.1.0	MIT License
node-cookie-signature	1.0.1	MIT License
node-gently	v0.9.2	MIT License
nodejs-stack-trace	0.0.9	MIT License
node-mkdirp	0.3.5	MIT License
node-policyfile	0.0.5	Expat License
node-stack-trace	0.0.6	MIT License

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node-XMLHttpRequest	1.8.0	MIT License
nongnu - dmidecode	2.12	GPLv2.0
NSS	3.19.1	Mozilla Public License 2.0
nss-softokn	3.19.1	Mozilla Public License 2.0
nss-softokn-freebl	3.19.1	Mozilla Public License 2.0
nss-tools	3.19.1	Mozilla Public License 2.0
nss-utils	3.19.1	Mozilla Public License 2.0
nvidia-visual-profiler	9.1.85	MIT v2.0 with Ad Clause License OR Independent JPEG Group License OR GLX Public License v. 1 OR ISC License OR X.Net License OR Affero GPLv3.0 OR GPLv2.0 or later OR BSD 3-clause "New" or "Revised" License OR CUP Parser Generator Copyright Notice, License and Disclaimer OR X11 License OR libpng License OR zlib License OR Apache License 2.0 OR Bitstream Vera Fonts Copyright OR Internet Society - RFC License OR GPLv1.0 or later OR BSD 4-clause "Original" or "Old" License OR W3C Software Notice and License (2002-12-31) OR MIT License OR Open Group License OR Bigelow & Holmes and URW++ GmbH Luxi Font License OR Christian Michelsen Research License OR CID Font Code Public License v. 1.0 OR Microsoft Public License OR LGPLv2.0 or later OR NVIDIA License OR BSD 2-clause "Simplified" License OR Mozilla Public License 2.0 OR LGPLv2.1 or later OR Beerware License OR Public Domain OR XFree86 License 1.1 OR Sax Public Domain Notice
oauthlib	2.0.1	BSD 3-clause "New" or "Revised" License
object-assign-shim	1.0.0	MIT License
One-JAR(TM)	0.97	BSD 4-clause "Original" or "Old" License

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NAME	VERSION	LICENSE TYPE
Open Virtual Machine Tools	9.4.6	GPLv2.0
OpenJDK	8	GPLv2.0 AND Apache License 2.0 AND GPLv2.0 w/Classpath exception AND Mozilla Public License 1.0 AND W3C Software Notice and License (2002-12-31) AND Apache License 1.1 AND Mozilla Public License 1.1
OpenLDAP	2.4.40	Open LDAP Public License v2.8
openldap-clients	2.4.40	Open LDAP Public License v2.8
OpenSAML 2.0	2.5.5	Apache License 2.0
OpenSSH	6.4p1	BSD 3-clause "New" or "Revised" License
OpenSSL	1.0.1e	The Open SSL License AND SSLeay License
openwsman	2.3.6	BSD 3-clause "New" or "Revised" License
Open-Xchange	7.4.2-14	Apache License 2.0
Options	0.0.3	MIT License
pam_krb5	2.4.8	BSD 3-clause "New" or "Revised" License
parent-join	5.6.7	Apache License 2.0
parted	3.1	GPLv3.0
passwd	0.79	GPLv2.0 AND BSD 3-clause "New" or "Revised" License
pause	0.0.1	MIT License
pciutils-libs	3.2.1	GPLv2.0
PCRE	8.32	PCRE License
percolator-client	5.6.7	Apache License 2.0
pexpect	2.3	MIT License
phantomjs	1.9.8	Apache License 2.0

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NAME	VERSION	LICENSE TYPE
PHP	5.6.25	PHP License v3.01
php-fpdf	1.53.dfsg	PHP License v3.01
php-mongodb	1.1.2	Apache License 2.0
php-pecl-jsonc	1.3.6	PHP License v3.01
pinentry	0.8.1	GPLv2.0
pinentry-gtk2	0.8.1	GPLv2.0
pkginfo	0.2.3	MIT License
policyfile	0.0.4	MIT License
popt	1.13	MIT License
prismic.io	1.1.4	Apache License 2.0
procps-ng	3.3.10	GPLv2.0 or later AND LGPLv2.1 or later AND GPLv3.0 or later
Protocol Buffers	3.2.0	BSD 3-clause "New" or "Revised" License
psmisc	22.2	GPLv2.0 or later
pth	2.0.7	LGPLv2.1
PUPA	0.97	GPLv2.0
PyCrypto	2.6.1	Public Domain
PycURL	7.43.0	cURL License OR LGPLv2.1
py-dateutil	2.5.3	BSD 3-clause "New" or "Revised" License
PyJWT	1.6.1	MIT License
PyMongo	3.0.3	Apache License 2.0
py-oauth2client	4.0.0	Apache License 2.0
py-requests	2.13.0	Apache License 2.0
Python programming language	2.7.5	Python License 2.0

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NAME	VERSION	LICENSE TYPE
python2-adal	1.0.2	MIT License
python2-google-api-client	1.6.2	Apache License 2.0
python2-jwt	1.6.1	MIT License
python2-msrestazure	0.5.0	MIT License
python2-pyyaml	3.12	MIT License
python2-requests	2.18.4	Apache License 2.0
python2-rsa	3.4.2	Apache License 2.0
python2-urllib3	1.22	MIT License
python2-websocket-client	0.47.0	LGPLv2.1
python-backports.ssl-match-hostname	3.4.0.2	Python License 2.0
python-certifi	2016.9.26	Mozilla Public License 2.0
python-crypto	2.6.1	Public Domain AND Python License 2.0
python-cryptography	1.7.1	BSD 3-clause "New" or "Revised" License OR Apache License 2.0
pythonfutures	3.2.0	Python License 2.0
python-libevent	0.9.2	LGPLv3.0
python-M2Crypto	0.22.5	BSD 3-clause "New" or "Revised" License AND MIT License AND Zope Public License 2.0
python-msrest	0.4.29	MIT License
python-pillow	2.0.0	MIT License
python-pyasn1	0.1.7	BSD 3-clause "New" or "Revised" License
python-pyasn1-modules	0.0.5	BSD 2-clause "Simplified" License
python-reportlab	2.5	BSD 3-clause "New" or "Revised" License

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NAME	VERSION	LICENSE TYPE
python-urlgrabber	3.1	LGPLv2.1
python-urllib3	1.22	MIT License
python-urwid	0.9.8.3	LGPLv2.1
py-urlgrabber-doc	3.10.1	LGPLv2.1
PyYAML - a YAML parser and emitter for Python	3.1	MIT License
qs - QS Querystring	0.5.1	MIT License
range-parser	0.0.4	MIT License
rcs	5.9.0	GPLv3.0
Readline	6.2	GPLv3.0 or later
redis	3.2.4	MIT License
redis-knack	v0.8.1	MIT License
reindex-client	5.6.7	Apache License 2.0
ReportLab	2.5	BSD 3-clause "New" or "Revised" License
request	2.11.4	Apache License 2.0
Request - Simple HTTP Client	2.9.203	Apache License 2.0
requests	2.18.4	Apache License 2.0
requests-legacypython	2.18.4	Apache License 2.0
requests-oauthlib	0.8.0	ISC License
rest	5.6.7	Apache License 2.0
rootfiles	8.1	Public Domain
RPCBind	0.2.0	BSD 3-clause "New" or "Revised" License
RPM	4.11.3	GPLv2.0
rpm-libs	4.11.3	GPLv2.0 AND LGPLv2.1

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NAME	VERSION	LICENSE TYPE
rsa-legacypython	3.4.2	Apache License 2.0
RxJava	1.1.9	Apache License 2.0
sed	4.2.2	GPLv2.0
senchalabs / connect	2.7.10	MIT License
send	0.2.0	MIT License
setup	2.8.71-6.el7	Public Domain
setuptools	0.9.8	Python License 2.0
SF3JSWING: Kernel CORE	1.3.20	Apache License 2.0
Shadow Tool Suite	4.1.5.1	GPLv2.0 OR BSD 3-clause "New" or "Revised" License OR GPLv1.0 or later
Should-js	1.2.1	MIT License
simogeo's Filemanager	2.2.0	MIT License
six Compatibility Utility	1.10.0	MIT License
SLF4J API Module	1.7.7	MIT License
SLF4J LOG4J-12 Binding	1.7.7	MIT License
smart_proxy_dhcp_remote_isc	0.0.2.1	GPLv3.0
SnakeYAML	1.15	Apache License 2.0
snappy	1.1.0	BSD 3-clause "New" or "Revised" License
socket.io-agilelaw	0.9.13	MIT License
socket.io-browserify	0.9.11	MIT License
Spatial4j	0.6	Apache License 2.0
spf4j-zel	8.3.18	Apache License 2.0 AND LGPLv3.0 AND LGPLv2.1
sphinx_rtd_theme	0.4.1	MIT License

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NAME	VERSION	LICENSE TYPE
Spring Commons Logging Bridge	5.0.6.RELEASE	Apache License 2.0
Spring Framework	5.0.6.RELEASE	Apache License 2.0
Spring HATEOAS	0.24.0.RELEASE	Apache License 2.0
Spring Plugin Core	1.2.0.RELEASE	Apache License 2.0
SpringFox	2.2.2	Apache License 2.0
SQLite	3.7.17	Public Domain
StAX	1	Apache License 2.0
swagger-annotations	1.5.3	Apache License 2.0
swagger-models	1.5.3	Apache License 2.0
sysfsutils	2.1.0	LGPLv2.1
sysklogd	1.4.1	GPLv3.0
syslog-ng	3.8.1	GPLv2.0
syslog-ng-incubator	3.8.1	GPL 2.0 with OpenSSL Exception
syslog-ng-python	3.8.1	GPLv2.0
sysstat	v10.1.5	GPLv2.0
sysvinit	2.86	GPLv2.0
tcp_wrappers	7.6	BSD 3-clause "New" or "Revised" License
tcp_wrappers-libs	7.6	BSD 3-clause "New" or "Revised" License
TCPDF	6.2.11	LGPLv3.0
tcpdump	4.5.1	BSD 3-clause "New" or "Revised" License
t-digest	3	Apache License 2.0
telnet	0.17	BSD 3-clause "New" or "Revised" License
telnet-server	0.17	BSD 3-clause "New" or "Revised" License

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NAME	VERSION	LICENSE TYPE
texinfo - GNU documentation system	5.1	GPLv3.0
tftp	5.2	BSD 3-clause "New" or "Revised" License
The FreeType Project	2.4.11	BSD 3-clause "New" or "Revised" License
Time Zone Database	2018g	Public Domain
tinycolor	0.0.1	MIT License
traceroute	2.0.19	GPLv2.0
transport-netty3-client	5.6.7	Apache License 2.0
transport-netty4-client	5.6.7	Apache License 2.0
UglifyJS	1.2.5	BSD 2-clause "Simplified" License
underscore	1.4.3	MIT License
unixODBC	2.3.1	GPLv2.0
Unofficial OpenJDK build	1.6.0-unofficial-b27	GPLv2.0 w/Classpath exception
uritemplate	3.0.0	BSD 3-clause "New" or "Revised" License OR Apache License 2.0
urlgrabber	3.1	LGPLv2.1
urllib3	1.22	MIT License
ustr	1.0.4	MIT License
util-linux	2.23.2	GPLv2.0
vim-minimal	7.4.160	Vim License
Visionmedia Debug	0.7.2	MIT License
vixie-cron	4.1	ISC License AND BSD 2-clause “Simplified” License AND BSD 3-clause "New" or "Revised" License
websocket_client	1.0.0	BSD 3-clause "New" or "Revised" License

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NAME	VERSION	LICENSE TYPE
web-socket-js	master-20101230	BSD 3-clause "New" or "Revised" License
Webtoolkit Javascript base64	20090123	Creative Commons Attribution 2.0 UK License
Wget	1.16.2	GPLv3.0
when	3.7.3	MIT License
winston	0.7.3	MIT License
Winston Logging Library	0.6.1	MIT License
ws	0.4.22	MIT License
xinetd	2.3.15	xinetd License
XMLTooling-C	1.6.4	Apache License 2.0
XZ Utils	5.1.2	GPLv2.0 or later AND LGPLv2.1 or later AND Public Domain AND GPLv3.0 or later
zeparser	0.0.7	MIT License
zlib	1.2.7	zlib License

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Panorama 8.1 OSS Listing

NAME	VERSION	LICENSE TYPE
basesystem	8	Public Domain
bash	3.1	GPLv2
beecrypt	4.1.2	LGPLv2.1
bind-libs	9.3.3	ISC
bind-utils	9.3.3	ISC
binutils	2.23.51.0.3	GPL
Bootstrap	4.1.3	MIT
bonnie++	1.03d	GPLv2
bzip2	1.0.3	BSD
bzip2-libs	1.0.3	BSD
chkconfig	1.3.30.1	GPLv2
coreutils	5.97	GPLv2
cpio	2.6	GPLv2
cpp	4.1.1	GPLv2
cracklib	2.8.9	Artistic
cracklib-dicts	2.8.9	Artistic
crontabs	1.1	Public Domain
curl	7.20.1	MIT
dhclient	3.0.5	Distributable
diffutils	2.8.1	GPLv2
e2fsprogs	1.39	GPLv2

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NAME	VERSION	LICENSE TYPE
e2fsprogs-libs	1.39	GPLv2
e4fsprogs	1.41.12	GPLv2
e4fsprogs-libs	1.41.12	GPLv2
elasticsearch	2.2.2	Apache 2.0
elfutils-libelf	0.128	GPLv2
ethtool	5	GPLv2
eventlog	0.2.12	BSD
expat	1.95.8	BSD
fastlz	0.1.0	FastLZ
file	5.04	Distributable
file-libs	5.04	Distributable
filesystem	2.4.0	Distributable
findutils	4.2.27	GPLv2
fipscheck	1.2.0	FreeBSD
fipscheck-lib	1.2.0	FreeBSD
fontconfig	2.4.1	MIT
freetype	2.3.11	BSD-like
gawk	3.1.5	GPLv2
GDB	7.6.1	GPLv3+
glib	2.12.9	LGPLv2
glib2	2.42.2	LGPLv2.1
glibc	2.12	LGPLv2
glibc-common	2.12	LGPLv2

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NAME	VERSION	LICENSE TYPE
gmp	4.3.1	LGPLv3
gnupg	1.4.5	GPLv2
gperftools	2.2	BSD
grep	2.5.1	GPLv2
grub	6.0.97	GPL
gzip	1.3.5	GPLv2
inetutils	1.5	GPLv3
info	4.8	GPLv2
initscripts	8.45.15	GPLv2
ipmitool	1.8.11	BSD-like
iproute	2.6.18	GPLv2
iptables	1.3.5	GPLv2
iptables-ipv6	1.3.5	GPLv2
iputils	20020927	GPLv2
irqbalance	1.13	GPLv2
jQuery	3.5.1	MIT
jQuery-Knob	1.2.2	MIT
jQuery Mousewheel	3.1.6	MIT
jQuery UI	1.11.0-1	MIT
jre	1.8.0_60	
Jython	2.4.3	Jython License
keyutils-libs	1.2	LGPLv2.1
krb5-libs	1.13.1	MIT

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NAME	VERSION	LICENSE TYPE
krb5-workstation	1.13.1	MIT
less	394	GPLv2
leveldb	1.15.0	BSD
libcurl4	7.20.1	MIT
libevent	2.0.19	GPLv2
libgcc	4.4.7	LGPLv2
libgethostbyname	1	LGPLv2
libgssapi	0.1	BSD-like
libjpeg	6b	IJG
liblog4shib1	1.0.9	LGPLv2.1
libmcrypt	2.5.8	LGPLv2
libpcap	0.9.4	BSD
libpng	1.2.44	OSI certified/ZI
libresolv	1	LGPLv2
libsaml8	2.5.5	Apache 2.0
libselinux	2.2.2	Public Domain
libsepol	1.15.2	LGPLv2.1
libssp	4.7.2	GPLv3
libstdc++	4.7.2	GPL
libsysfs	2.0.0	LGPLv2
libtecla	1.6.1	MIT/X11
libtermcap	2.0.8	Public Domain
libunwind	1.1	BSD

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NAME	VERSION	LICENSE TYPE
libuser	0.54.7	LGPLv2
libvolume_id	127	GPLv2
libxerces-c-3_1	3.1.2	Apache 2.0
libxml-security-c17	1.7.3	Apache 2.0
libxml2	2.9.4	MIT
libxml2-python	2.9.4	PSF
libxmltooling6	1.5.6	Apache 2.0
libxslt	1.1.28	MIT
Linux kernel	3.10.88	GPLv2
lockdev	1.0.1	LGPLv2.1
logrotate	3.7.4	GPLv2
lunasa	1	Commercial
M2Crypto	0.21.1	BSD
mailx	8.1.1	BSD
MAKEDEV	3.23	GPLv2
mdadm	2.6.9	GPL
mingetty	1.07	GPLv2
mktemp	1.5	BSD
module-init-tools	3.3	GPLv2
mongo-php-driver	1.2.12	PHP v3.01
mongodb	2.6.11	MIT
ncurses	5.5	Distributable
net-snmp	5.4.4	BSD

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NAME	VERSION	LICENSE TYPE
net-tools	1.6	GPLv2
nfs-utils	1.0.9	GPLv2
nfs-utils-lib	1.0.8	GPLv2
nodejs	0.6.18	BSD/MIT
NSS	3.19.1	Mozilla Public License 2.0
nss-softokn	3.19.1	Mozilla Public License 2.0
nss-softokn-freebl	3.19.1	Mozilla Public License 2.0
nss-tools	3.19.1	Mozilla Public License 2.0
nss-utils	3.19.1	Mozilla Public License 2.0
ntp	4.2.8p6	Distributable
ntpdate	4.2.8p6	Distributable
open-vm-tools	9.4.6	GPLv2/LGPLv2
openldap	2.4.23	OpenLDAP
openldap-clients	2.4.23	OpenLDAP
opensaml-schemas	2.5.5	Apache 2.0
openssh	6.4p1	BSD
openssh-clients	6.4p1	BSD
openssh-server	6.4p1	BSD
openssl	1.0.1e	OpenSSL
pam	1.0.2	BSD
pam_krb5	2.2.14	MIT

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NAME	VERSION	LICENSE TYPE
pam_ldap	1.8.4	LGPLv3
panos-release	2	GPLv2
parted	1.8.1	GPLv3
passwd	0.73	GPLv2
pcre	6.6	BSD
pexpect	2.3	MIT
phantomjs	1.9.8	BSD
PHP	5.3.17	PHP v3.01
php-cli	5.3.17	PHP v3.01
php-common	php-common	PHP v3.01
php-ext	5.3.17	PHP v3.01
popt	1.12	MIT
portmap	4	BSD
procps	3.2.8	GPLv2
psmisc	22.2	BSD
pymongo	3.0.3	MIT
python	2.4.3	PSF
python-alt	2.7.5	PSF
python-alt-libs	2.7.5	PSF
python-bloom	0.1.12	BSD-like
python-bson	3.0.3	MIT
python-dpkt	1.7	BSD-3
python-elementtree	1.2.6	PSF

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NAME	VERSION	LICENSE TYPE
python-hashlib	20081119	Python 2.5
python-imaging	1.1.5	Distributable
python-magic	5.04	BSD
python-pyasn1	0.1.7	BSD
python-pycrypto	2.6.1	Public Domain
python-pycurl	7.43.0	LGPLv2.1
python-rsa	3.4.2	Apache 2.0
python-sqlite	1.1.7	Public Domain
python-urlgrabber	3.1.0	LGPLv2.1
python-waagentlib	2.0.13	Apache 2.0
rcs	5.7	GPLv2
readline	5.1	GPLv2
redhat-logos	4.9.8	
reportlab	2.2	BSD
rootfiles	8.1	Distributable
rpm	4.4.2	GPLv2
rpm-libs	4.4.2	GPLv2
rpm-python	4.4.2	GPLv2
scrub	2.1	GPLv2
sed	4.1.5	GPLv2
setup	2.5.58	Public Domain
shadow-utils	4.0.17	BSD
snappy	1.0.1	Apache 2.0

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NAME	VERSION	LICENSE TYPE
sqlite	3.6.12	Public Domain
sscep	1.0.0	BSD-like
sshpass	1.05	BSD
sysfsutils	2.0.0	GPLv2
sysklogd	1.4.1	GPLv2
syslog-ng	3.2.5	GPLv2/LGPLv2
SysVinit	2.86	GPLv2
tar	1.15.1	GPLv2
tcpdump	3.9.4	BSD
termcap	5.5	Public Domain
tftp	0.48	BSD
traceroute	2.0.1	GPLv2
tzdata	2011l	Public domain
udev	127	GPLv2
util-linux	2.13	GPLv2
vim-minimal	7.0.109	Charityware
vixie-cron	4.1	ISC
wget	1.16.2	GPLv3
xinetd	2.3.14	Distributable
xmltooling-schemas	1.5.6	Apache 2.0
xz-libs	4.999.9	LGPLv2
zlib	1.2.3	BSD

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Panorama 8.0 OSS Listing

NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
basesystem		8	Public Domain	The skeleton package which defines a simple Red Hat Linux system
bash	Standalone apps/ libraries	3.1	GPLv2	The GNU Bourne Again shell (bash) version 3.1
beecrypt	OSS Shared library linkage	4.1.2	LGPLv2.1	An open source cryptography library
bind-libs	OSS Shared library linkage	9.3.3	ISC	Libraries used by the BIND DNS packages
bind-utils	Standalone apps/ libraries	9.3.3	ISC	Utilities for querying DNS name servers
binutils		2.23.51.0.3	GPL	A collection of binary tools
bonnie++	Standalone apps/ libraries	1.03d	GPLv2	A program for benchmarking hard drives and file systems
bzip2	Standalone apps/ libraries	1.0.3	BSD	A file compression utility
bzip2-libs	OSS Shared library linkage	1.0.3	BSD	Libraries for applications using bzip2
chkconfig	Standalone apps/ libraries	1.3.30.1	GPLv2	A system tool for maintaining the /etc/rc*.d hierarchy
coreutils	Standalone apps/ libraries	5.97	GPLv2	The GNU core utilities: a set of tools commonly used in shell scripts
cpio	Standalone apps/ libraries	2.6	GPLv2	A GNU archiving program
cpp	Standalone apps/ libraries	4.1.1	GPLv2	The C Preprocessor

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
cracklib	OSS Shared library linkage	2.8.9	Artistic	A password-checking library
cracklib-dicts	Dictionaries used by cracklib	2.8.9	Artistic	The standard CrackLib password-checking dictionaries
crontabs	Root crontab files, used by system utilities	1.1	Public Domain	Root crontab files used to schedule the execution of programs
curl	Standalone apps/ libraries	7.20.1	MIT	Get and send files to a FTP, HTTP, TFTP, SSH or other servers
dhclient	Standalone apps/ libraries	3.0.5	Distributable	The ISC DHCP client for configuring network interfaces
diffutils	Standalone apps/ libraries	2.8.1	GPLv2	A GNU collection of diff utilities
e2fsprogs	Standalone apps/ libraries	1.39	GPLv2	Utilities for managing the second extended (ext2) file system
e2fsprogs-libs	OSS Shared library linkage	1.39	GPLv2	Ext2/3 file-system-specific static libraries and headers
e4fsprogs	Standalone apps/ libraries	1.41.12	GPLv2	Utilities for managing the fourth extended (ext4) file system
e4fsprogs-libs	OSS Shared library linkage	1.41.12	GPLv2	Ext4 file-system-specific static libraries and headers
elasticsearch	Standalone apps/ libraries	2.2.2	Apache 2.0	Elasticsearch
elfutils-libelf	OSS Shared library linkage	0.128	GPLv2	Library to read and write ELF files
ethtool	Standalone apps/ libraries	5	GPLv2	Ethernet settings tool for PCI ethernet cards

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
eventlog	OSS Shared library linkage	0.2.12	BSD	A library for event logs
expat	OSS Shared library linkage	1.95.8	BSD	A library for parsing XML
fastlz	Shared library linkage	0.1.0	FastLZ	A real-time compression library
file	Standalone apps/ libraries	5.04	Distributable	A utility for determining file types
file-libs	Standalone apps/ libraries	5.04	Distributable	Libraries for applications using the LibMagic Perl interface
filesystem	Standalone apps/ libraries	2.4.0	Distributable	The basic directory layout for a Linux system
findutils	Standalone apps/ libraries	4.2.27	GPLv2	The GNU versions of find utilities (find and xargs)
fipscheck	Standalone apps/ libraries	1.2.0	FreeBSD	A library for integrity verification of FIPS validated modules
fipscheck-lib	Standalone apps/ libraries	1.2.0	FreeBSD	Library files for fipscheck
fontconfig	OSS Shared library linkage	2.4.1	MIT	Font configuration and customization library
freetype	OSS Shared library linkage	2.3.11	BSD-like	A free and portable font rendering engine
gawk	Standalone apps/ libraries	3.1.5	GPLv2	The GNU version of the awk text processing utility
GDB	Standalone apps/ libraries	7.6.1	GPLv3+	A GNU source-level debugger for C, C++, Java and other languages
glib	OSS Shared library linkage	2.12.9	LGPLv2	A bundle of low-level system libraries in C language

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
glib2	OSS Shared library linkage	2.42.2	LGPLv2	A library of useful utility functions
glibc	Shared library linkage	2.12	LGPLv2	The GNU libc libraries
glibc-common	Shared library linkage	2.12	LGPLv2	Common binaries and locale data for glibc
gmp	OSS Shared library linkage	4.3.1	LGPLv3	A GNU arbitrary precision library
gnupg	Standalone apps/ libraries	1.4.5	GPLv2	A GNU utility for secure communication and data storage
gperftools	OSS Shared library linkage	2.2	BSD	Performance Tools for C++
grep	Standalone apps/ libraries	2.5.1	GPLv2	The GNU versions of grep pattern matching utilities
grub	Standalone apps/ libraries	6.0.97	GPL	GRUB - the Grand Unified Boot Loader
gzip	Standalone apps/ libraries	1.3.5	GPLv2	The GNU data compression program
inetutils	Standalone apps/ libraries	1.5	GPLv3	Internet utilities
info	Standalone apps/ libraries	4.8	GPLv2	A stand-alone TTY-based reader for GNU Texinfo documentation
initscripts	Standalone apps/ libraries + startup and shutdown scripts	8.45.15	GPLv2	The inittab file and the /etc/ init.d scripts
ipmitool	Standalone apps/ libraries	1.8.11	BSD-like	Open source Intelligent Platform Management Interface (IPMI) utilities and scripts

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
iproute	Standalone apps/ libraries	2.6.18	GPLv2	Advanced IP routing and network device configuration tools
iptables	Standalone apps/ libraries	1.3.5	GPLv2	Tools for managing Linux kernel packet filtering capabilities
iptables-ipv6	Standalone apps/ libraries	1.3.5	GPLv2	IPv6 support for IP tables
iputils	Standalone apps/ libraries	20020927	GPLv2	Network monitoring tools including ping
irqbalance	Standalone apps/ libraries	1.13	GPLv2	IRQ balancing daemon
jQuery (PAN-OS 8.0.0 – 8.0.20)	Standalone apps/ libraries	1.11.3	MIT	Fast, small, and feature-rich JavaScript library
jQuery (PAN-OS 8.0.21 & later)	Standalone apps/ libraries	3.4.1	MIT	Fast, small, and feature-rich JavaScript library
jQuery-Knob	—	1.2.2	MIT	Downward compatible, touchable, jQuery dial
jQuery Mousewheel	—	3.1.6	MIT	A jQuery plugin that adds cross-browser mouse wheel support
jQuery UI	—	1.11.0-1	MIT	A curated set of user interface interactions, effects, widgets, and themes built on top of the jQuery JavaScript Library
jre	Standalone apps/ libraries	1.8.0_60		Java Runtime Environment
keyutils-libs	OSS Shared library linkage	1.2	LGPLv2.1	Key utilities library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
krb5-libs	Shared library linkage	1.13.1	MIT	The shared libraries used by Kerberos 5
krb5-workstation	Standalone apps/ libraries	1.13.1	MIT	Kerberos 5 programs for use on workstations
less	Standalone apps/ libraries	394	GPLv2	A text file browser similar to more, but better
leveldb	Shared library linkage	1.15.0	BSD	LevelDB library
libcurl4	Shared library linkage	7.20.1	MIT	The cURL library
libevent	OSS Shared library linkage	2.0.19	GPLv2	Abstract asynchronous event notification library
libgcc	Shared library linkage	4.4.7	LGPLv2	GCC version 4.1 shared support library
libgethostbyname	Shared library linkage	1	LGPLv2	Fix glibc ghost bug
libgssapi	OSS Shared library linkage	0.1	BSD-like	Generic Security Services Application Programming Interface Library
libjpeg	OSS Shared library linkage	6b	IJG	A library for manipulating JPEG image format files
liblog4shib1	Standalone apps/ libraries	1.0.9	LGPLv2.1	Log for C++, Shibboleth Edition
libmcrypt	OSS Shared library linkage	2.5.8	LGPLv2	Encryption algorithms library
libpcap	Shared library linkage	0.9.4	BSD	A system-independent interface for user-level packet capture
libpng	Shared library linkage	1.2.44	OSI certified/ Zl	A library of functions for manipulating PNG image format files
libresolv	Shared library linkage	1	LGPLv2	A library of functions for packets sent to a DNS

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libsaml8	OpenSAML SAML library	2.5.5	Apache 2.0	OpenSAML SAML library
libselinux	OSS Shared library linkage	2.2.2	Public Domain	SELinux library and simple utilities
libsepol		1.15.2	LGPLv2.1	SELinux binary policy manipulation library
libssp	OSS Shared library linkage	4.7.2	GPLv3	A library to translate some pythos library speech signal processing (SSP) to C++
libstdc++	Shared library linkage	4.7.2	GPL	GNU Standard C++ Library
libsysfs	OSS Shared library linkage	2.0.0	LGPLv2	Shared library for interfacing with the Linux sysfs virtual file system
libtecla	Shared library linkage	1.6.1	MIT/X11	The Tecla command-line editing library
libtermcap	Configuration Files	2.0.8	Public Domain	A basic system library for accessing the termcap database
libunwind	OSS Shared library linkage	1.1	BSD	Unwind Library
libuser	OSS Shared library linkage	0.54.7	LGPLv2	A user and group account administration library
libvolume_id	OSS Shared library linkage	127	GPLv2	Dynamic libraries to get volume IDs
libxerces-c-3_1	Standalone apps/ libraries	3.1.2	Apache 2.0	Shared library for Xerces-C++ validating XML parser
libxml-security-c17	Standalone apps/ libraries	1.7.3	Apache 2.0	Apache XML security C++ library
libxml2	Shared library linkage	2.9.4	MIT	Library providing XML and HTML support

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libxml2-python	Standalone apps/ libraries	2.9.4	PSF	Python bindings for the libxml2 library
libxmltooling6	Standalone apps/ libraries	1.5.6	Apache 2.0	OpenSAML XMLTooling library
libxslt	Shared library linkage	1.1.28	MIT	Library providing the Gnome XSLT engine
Linux kernel	Operating System (OS) core	3.10.88	GPLv2.0	The core interface between the operating system and processes.
lockdev	Standalone apps/ libraries	1.0.1	LGPLv2.1	A library for locking devices
logrotate	Standalone apps/ libraries	3.7.4	GPLv2	Rotates, compresses, removes and mails system log files
lunasa	Shared library linkage, Standalone apps/libraries	1	Commercial	Client software for SafeNet Luna SA hardware security module (HSM)
M2Crypto	Standalone apps/ libraries	0.21.1	BSD	Support for using OpenSSL in python scripts
mailx	Standalone apps/ libraries	8.1.1	BSD	The /bin/mail program for sending quick email messages
MAKEDEV	Standalone apps/ libraries	3.23	GPLv2	A program used for creating the device files in /dev
mdadm		2.6.9	GPL	Linux utility used to manage and monitor software RAID devices
mingetty	Standalone apps/ libraries	1.07	GPLv2	A compact getty program for virtual consoles only
mktemp	Standalone apps/ libraries	1.5	BSD	A small utility for safely making .TMP files

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
module-init-tools	Standalone apps/ libraries	3.3	GPLv2	Kernel module management utilities
mongo-php-driver	Standalone apps/ libraries	1.2.12	PHP v3.01	Provides access to MongoDB for PHP server-side scripting language
mongodb	Standalone apps/ libraries	2.6.11	MIT	MongoDB client shell and tools
ncurses	Shared library linkage	5.5	Distributable	A terminal handling library
net-snmp	Standalone apps/ libraries	5.4.4	BSD	Tools and servers for the SNMP protocol
net-tools	Standalone apps/ libraries	1.6	GPLv2	Basic networking tools
nfs-utils	Standalone apps/ libraries	1.0.9	GPLv2	Network File System (NFS) utilities and supporting clients and daemons for the kernel NFS server
nfs-utils-lib	OSS Shared library linkage	1.0.8	GPLv2	Network File System (NFS) Support Library
nodejs	Standalone apps/ libraries	0.6.18	BSD/MIT	Event-driven I/O for the Google V8 JavaScript engine
nss-softokn-freebl	Shared library linkage	3.14.3	MPLv2.0	Freebl library for the Network Security Services
ntp	Standalone apps/ libraries	4.2.8p6	Distributable	The Network Time Protocol (NTP) daemon and utilities
ntpdate	Standalone apps/ libraries	4.2.8p6	Distributable	Utility to set the date and time via Network Time Protocol (NTP)
open-vm-tools	OSS Shared library linkage	9.4.6	GPLv2/ LGPLv2	Open Virtual Machine Tools for virtual machines hosted on VMware

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
openldap	Shared library linkage	2.4.23	OpenLDAP	The configuration files, libraries, and documentation for OpenLDAP
openldap-clients	Standalone apps/ libraries	2.4.23	OpenLDAP	Client programs for OpenLDAP
opensaml-schemas	Standalone apps/ libraries	2.5.5	Apache 2.0	OpenSAML schemas and catalog
openssh	Standalone apps/ libraries	6.4p1	BSD	An open source implementation of SSH protocol versions 1 and 2
openssh-clients	Standalone apps/ libraries	6.4p1	BSD	An open source SSH client application
openssh-server	Standalone apps/ libraries	6.4p1	BSD	An open source SSH server daemon
openssl	Shared library linkage	1.0.1e	OpenSSL	A general purpose cryptography library with TLS implementation
pam	Shared library linkage	1.0.2	BSD	A security tool which provides authentication for applications
pam_krb5	Standalone apps/ libraries	2.2.14	MIT	A pluggable authentication module (PAM) for Kerberos 5
pam_ldap	OSS Shared library linkage	1.8.4	LGPLv3	A pluggable authentication module (PAM) for use with LDAP servers
panos-release	Base Linux OS version info for our systems	2	GPLv2	PAN-OS® Linux release file
parted	Standalone apps/ libraries	1.8.1	GPLv3	The GNU disk partition manipulation program

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
passwd	Standalone apps/ libraries	0.73	GPLv2	The passwd utility for setting/changing passwords using PAM
pcre	Shared library linkage	6.6	BSD	Perl-compatible regular expression library
pexpect	OSS libraries in interpreted scripts	2.3	MIT	Pexpect is a Pure Python Expect-like module
phantomjs	OSS Shared library linkage	1.9.8	BSD	Head-Less Web Browser
php	Standalone apps/ libraries	5.3.17	PHP v3.01	PHP server-side scripting language
php-cli	Standalone apps/ libraries	5.3.17	PHP v3.01	Command-line interface for PHP server-side scripting language
php-common	Standalone apps/ libraries	php-common	PHP v3.01	Common files for PHP
php-ext	Standalone apps/ libraries	5.3.17	PHP v3.01	Shared PHP-Ext open source widget library for PHP 4 and PHP 5 server-side scripting language
popt	OSS Shared library linkage	1.12	MIT	A C library for parsing command line parameters
portmap	Standalone apps/ libraries	4	BSD	A program which manages remote procedure call (RPC) connections
procps	Standalone apps/ libraries	3.2.8	GPLv2	System and process monitoring utilities
psmisc	Standalone apps/ libraries	22.2	BSD	Utilities for managing processes on your system
pymongo	OSS libraries in interpreted scripts	3.0.3	MIT	Python driver for MongoDB

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
python	Standalone apps/ libraries	2.4.3	PSF	An interpreted, interactive, object-oriented programming language
python-alt		2.7.5	PSF	An interpreted, interactive, object-oriented programming language
python-alt-libs		2.7.5	PSF	Runtime libraries for Python
python-bloom	OSS libraries in interpreted scripts	0.1.12	BSD-like	Python implementation of bloom filter
python-bson	OSS libraries in interpreted scripts	3.0.3	MIT	Python bson library
python-dpkt	OSS libraries in interpreted scripts	1.7	BSD-3	Simple packet creation/ parsing library
python-elementtree	OSS libraries in interpreted scripts	1.2.6	PSF	Fast XML parser and writer
python-hashlib	OSS libraries in interpreted scripts	20081119	Python 2.5	Secure hash and message digest algorithm library
python-imaging	OSS libraries in interpreted scripts	1.1.5	Distributable	Python's own image processing library
python-magic	OSS libraries in interpreted scripts	5.04	BSD	Python bindings for the libmagic API
python-pyasn1	OSS libraries in interpreted scripts	0.1.7	BSD	ASN.1 tools for Python
python-pycrypto	OSS libraries in interpreted scripts	2.6.1	Public Domain	Python Cryptography toolkit
python-pycurl	OSS libraries in interpreted scripts	7.43.0	LGPLv2.1	The python interface to the cURL library
python-sqlite	Shared library linkage	1.1.7	Public Domain	Python bindings for SQLite
python-urlgrabber	OSS libraries in interpreted scripts	3.1.0	LGPLv2.1	A high-level cross-protocol URL-grabber

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
python-waagentlib	Shared library linkage	2.0.13	Apache 2.0	Azure Agent Python Library
rcs	Standalone apps/ libraries	5.7	GPLv2	Revision control system (RCS) file version management tools
readline	OSS Shared library linkage	5.1	GPLv2	A library for editing typed command lines
redhat-logos		4.9.8		Red Hat-related icons and pictures
reportlab	OSS libraries in interpreted scripts	2.2	BSD	Python PDF generation library
rootfiles	Standalone apps/ libraries	8.1	Distributable	The basic required files for the root user's directory
rpm	Standalone apps/ libraries	4.4.2	GPLv2	The Route Processing Module (RPM) package management system
rpm-libs	Standalone apps/ libraries	4.4.2	GPLv2	Libraries for manipulating Route Processing Module (RPM) packages
rpm-python	OSS libraries in interpreted scripts	4.4.2	GPLv2	Python bindings for apps which will manipulate Route Processing Module (RPM) packages
scrub	Standalone apps/ libraries	2.1	GPLv2	Disk scrubbing program
sed	Standalone apps/ libraries	4.1.5	GPLv2	A GNU stream text editor.
setup		2.5.58	Public Domain	A set of system configuration and setup files
shadow-utils	Standalone apps/ libraries	4.0.17	BSD	Utilities for managing accounts and shadow password files

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
snappy	Shared library linkage	1.0.1	Apache 2.0	High-speed compression and decompression library
sqlite	Shared library linkage	3.6.12	Public Domain	Library that implements an embeddable SQLite in-process database engine
sscep	Standalone apps/ libraries	1.0.0	BSD-like	Simple SCEP client
sshpass	Standalone apps/ libraries	1.05	BSD	Non-interactive SSH password provider
sysfsutils	Standalone apps/ libraries	2.0.0	GPLv2	Shared library for interfacing with the Linux sysfs virtual file system
sysklogd	Standalone apps/ libraries	1.4.1	GPLv2	System logging and kernel message trapping daemons
syslog-ng	Standalone apps/ libraries	3.2.5	GPLv2/ LGPLv2	Syslog replacement daemon
SysVinit	Standalone apps/ libraries	2.86	GPLv2	Programs which control basic system processes
tar	Standalone apps/ libraries	1.15.1	GPLv2	A GNU file archiving program
tcpdump	Standalone apps/ libraries	3.9.4	BSD	A network traffic monitoring tool
termcap	Configuration Files	5.5	Public Domain	The terminal feature database used by certain applications
tftp	Standalone apps/ libraries	0.48	BSD	The client for Trivial FTP (TFTP)
traceroute	Standalone apps/ libraries	2.0.1	GPLv2	Traces the route taken by packets over an IPv4/IPv6 network
tzdata	Configuration files	2011l	Public domain	Time-zone data

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
udev	Standalone apps/ libraries	127	GPLv2	Device manager for device nodes and user space events (improved functionality over devfs)
util-linux	Standalone apps/ libraries	2.13	GPLv2	A collection of basic system utilities
vim-minimal	Standalone apps/ libraries	7.0.109	Charityware	A minimal version of VIsual editor iMproved (VIM)
vixie-cron	Standalone apps/ libraries	4.1	ISC	The Vixie cron daemon for executing scheduled commands
wget	Standalone apps/ libraries	1.16.2	GPLv3	A utility for retrieving files using the HTTP or FTP protocols
xinetd	Standalone apps/ libraries	2.3.14	Distributable	A secure replacement for inetd
xmltooling-schemas	Standalone apps/ libraries	1.5.6	Apache 2.0	XMLTooling schemas and catalog
xz-libs	OSS Shared library linkage	4.999.9	LGPLv2	Libraries for decoding LZMA compression
zlib	Shared library linkage	1.2.3	BSD	The zlib compression and decompression library

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Panorama 7.1 OSS Listing

NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
M2Crypto	Standalone apps/ libraries	0.21.1	BSD	Support for using OpenSSL in python scripts
MAKEDEV	Standalone apps/ libraries	3.23	GPLv2	A program used for creating the device files in /dev
SysVinit	Standalone apps/ libraries	2.86	GPLv2	Programs which control basic system processes
basesystem		8	Public Domain	The skeleton package which defines a simple Red Hat Linux system
bash	Standalone apps/ libraries	3.1	GPLv2	The GNU Bourne Again shell (bash) version 3.1
beecrypt	OSS Shared library linkage	4.1.2	LGPLv2.1	An open source cryptography library
bind-libs	OSS Shared library linkage	9.3.3	ISC	Libraries used by the BIND DNS packages
bind-utils	Standalone apps/ libraries	9.3.3	ISC	Utilities for querying DNS name servers
binutils		2.23.51.0.3	GPL	A collection of binary tools
bonnie++	Standalone apps/ libraries	1.03d	GPLv2	A program for benchmarking hard drives and file systems
bzip2	Standalone apps/ libraries	1.0.3	BSD	A file compression utility
bzip2-libs	OSS Shared library linkage	1.0.3	BSD	Libraries for applications using bzip2
chkconfig	Standalone apps/ libraries	1.3.30.1	GPLv2	A system tool for maintaining the /etc/rc*.d hierarchy

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
coreutils	Standalone apps/ libraries	5.97	GPLv2	The GNU core utilities: a set of tools commonly used in shell scripts
cpio	Standalone apps/ libraries	2.6	GPLv2	A GNU archiving program
cpp	Standalone apps/ libraries	4.1.1	GPLv2	The C Preprocessor
cracklib	OSS Shared library linkage	2.8.9	Artistic	A password-checking library
cracklib-dicts	Dictionaries used by cracklib	2.8.9	Artistic	The standard CrackLib password-checking dictionaries
crontabs	Root crontab files, used by system utilities	1.1	Public Domain	Root crontab files used to schedule the execution of programs
curl	Standalone apps/ libraries	7.20.1	MIT	Get and send files to a FTP, HTTP, TFTP, SSH or other servers
dhclient	Standalone apps/ libraries	3.0.5	Distributable	The ISC DHCP client for configuring network interfaces
diffutils	Standalone apps/ libraries	2.8.1	GPLv2	A GNU collection of diff utilities
e2fsprogs	Standalone apps/ libraries	1.39	GPLv2	Utilities for managing the second extended (ext2) file system
e2fsprogs-libs	OSS Shared library linkage	1.39	GPLv2	Ext2/3 file-system-specific static libraries and headers
e4fsprogs	Standalone apps/ libraries	1.41.12	GPLv2	Utilities for managing the fourth extended (ext4) file system
e4fsprogs-libs	OSS Shared library linkage	1.41.12	GPLv2	Ext4 file-system-specific static libraries and headers

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
elfutils-libelf	OSS Shared library linkage	0.128	GPLv2	Library to read and write ELF files
ethtool	Standalone apps/ libraries	5	GPLv2	Ethernet settings tool for PCI ethernet cards
eventlog	OSS Shared library linkage	0.2.12	BSD	A library for event logs
expat	OSS Shared library linkage	1.95.8	BSD	A library for parsing XML
fastlz	Shared library linkage	0.1.0	FastLZ	A real-time compression library
file	Standalone apps/ libraries	5.04	Distributable	A utility for determining file types
file-libs	Standalone apps/ libraries	5.04	Distributable	Libraries for applications using the LibMagic Perl interface
filesystem	Standalone apps/ libraries	2.4.0	Distributable	The basic directory layout for a Linux system
findutils	Standalone apps/ libraries	4.2.27	GPLv2	The GNU versions of find utilities (find and xargs)
fipscheck	Standalone apps/ libraries	1.2.0	FreeBSD	A library for integrity verification of FIPS validated modules
fipscheck-lib	Standalone apps/ libraries	1.2.0	FreeBSD	Library files for fipscheck
fontconfig	OSS Shared library linkage	2.4.1	MIT	Font configuration and customization library
freetype	OSS Shared library linkage	2.3.11	BSD-like	A free and portable font rendering engine
gawk	Standalone apps/ libraries	3.1.5	GPLv2	The GNU version of the awk text processing utility

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
gdb	Standalone apps/ libraries	7.6.1	GPLv3+	A GNU source-level debugger for C, C++, Java and other languages
glib	OSS Shared library linkage	2.12.9	LGPLv2	A bundle of low-level system libraries in C language
glib2	OSS Shared library linkage	2.12.3	LGPLv2	A library of useful utility functions
glibc	Shared library linkage	2.12	LGPLv2	The GNU libc libraries
glibc-common	Shared library linkage	2.12	LGPLv2	Common binaries and locale data for glibc
gmp	OSS Shared library linkage	4.3.1	LGPLv3	A GNU arbitrary precision library
gnupg	Standalone apps/ libraries	1.4.5	GPLv2	A GNU utility for secure communication and data storage
gperftools	OSS Shared library linkage	2.2	BSD	Performance Tools for C++
grep	Standalone apps/ libraries	2.5.1	GPLv2	The GNU versions of grep pattern matching utilities
grub	Standalone apps/ libraries	6.0.97	GPL	GRUB - the Grand Unified Boot Loader
gzip	Standalone apps/ libraries	1.3.5	GPLv2	The GNU data compression program
inetutils	Standalone apps/ libraries	1.5	GPLv3	Internet utilities
info	Standalone apps/ libraries	4.8	GPLv2	A stand-alone TTY-based reader for GNU Texinfo documentation
initscripts	Standalone apps/ libraries + startup and shutdown scripts	8.45.15	GPLv2	The inittab file and the /etc/ init.d scripts

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
ipmitool	Standalone apps/ libraries	1.8.11	BSD-like	Open source Intelligent Platform Management Interface (IPMI) utilities and scripts
iproute	Standalone apps/ libraries	2.6.18	GPLv2	Advanced IP routing and network device configuration tools
iptables	Standalone apps/ libraries	1.3.5	GPLv2	Tools for managing Linux kernel packet filtering capabilities
iptables-ipv6	Standalone apps/ libraries	1.3.5	GPLv2	IPv6 support for IP tables
iputils	Standalone apps/ libraries	20020927	GPLv2	Network monitoring tools including ping
irqbalance	Standalone apps/ libraries	1.13	GPLv2	IRQ balancing daemon
krb5-libs	Shared library linkage	1.8.1	MIT	The shared libraries used by Kerberos 5
krb5-workstation	Standalone apps/ libraries	1.8.1	MIT	Kerberos 5 programs for use on workstations
less	Standalone apps/ libraries	394	GPLv2	A text file browser similar to more, but better
leveldb	Shared library linkage	1.15.0	BSD	LevelDB library
libcurl4	Shared library linkage	7.20.1	MIT	The cURL library
libevent	OSS Shared library linkage	2.0.19	GPLv2	Abstract asynchronous event notification library
libgcc	Shared library linkage	4.4.7	LGPLv2	GCC version 4.1 shared support library
libgethostbyname	Shared library linkage	1	LGPLv2	Fix glibc ghost bug

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libgssapi	OSS Shared library linkage	0.1	BSD-like	Generic Security Services Application Programming Interface Library
libjpeg	OSS Shared library linkage	6b	IJG	A library for manipulating JPEG image format files
libmcrypt	OSS Shared library linkage	2.5.8	LGPLv2	Encryption algorithms library
libpcap	Shared library linkage	0.9.4	BSD	A system-independent interface for user-level packet capture
libpng	Shared library linkage	1.2.44	OSI certified/Zl	A library of functions for manipulating PNG image format files
libresolv	Shared library linkage	1	LGPLv2	A library of functions for packets sent to a DNS
libselinux	OSS Shared library linkage	2.2.2	Public Domain	SELinux library and simple utilities
libsepol		1.15.2	LGPLv2.1	SELinux binary policy manipulation library
libssp	OSS Shared library linkage	4.7.2	GPLv3	A library to translate some pythos library speech signal processing (SSP) to C++
libstdc++	Shared library linkage	4.7.2	GPL	GNU Standard C++ Library
libsysfs	OSS Shared library linkage	2.0.0	LGPLv2	Shared library for interfacing with the Linux sysfs virtual file system
libtecla	Shared library linkage	1.6.1	MIT/X11	The Tecla command-line editing library
libtermcap	Configuration Files	2.0.8	Public Domain	A basic system library for accessing the termcap database

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libunwind	OSS Shared library linkage	1.1	BSD	Unwind Library
libuser	OSS Shared library linkage	0.54.7	LGPLv2	A user and group account administration library
libvolume_id	OSS Shared library linkage	127	GPLv2	Dynamic libraries to get volume IDs
libxml2	Shared library linkage	2.9.1	MIT	Library providing XML and HTML support
libxml2-python	Standalone apps/ libraries	2.9.1	PSF	Python bindings for the libxml2 library
libxslt	Shared library linkage	1.1.22	MIT	Library providing the Gnome XSLT engine
Linux kernel	Operating System (OS) core	2.6.32	GPLv2.0	The core interface between the operating system and processes.
lockdev	Standalone apps/ libraries	1.0.1	LGPLv2.1	A library for locking devices
logrotate	Standalone apps/ libraries	3.7.4	GPLv2	Rotates, compresses, removes and mails system log files
lunasa	Shared library linkage, Standalone apps/ libraries	1	Commercial	Client software for SafeNet Luna SA hardware security module (HSM)
mailx	Standalone apps/ libraries	8.1.1	BSD	The /bin/mail program for sending quick email messages
mdadm		2.6.9	GPL	Linux utility used to manage and monitor software RAID devices
mingetty	Standalone apps/ libraries	1.07	GPLv2	A compact getty program for virtual consoles only

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
mktemp	Standalone apps/ libraries	1.5	BSD	A small utility for safely making .TMP files
module-init-tools	Standalone apps/ libraries	3.3	GPLv2	Kernel module management utilities
mongo-php-driver	Standalone apps/ libraries	1.2.12	PHP v3.01	Provides access to MongoDB for PHP server-side scripting language
mongodb	Standalone apps/ libraries	2.4.3	MIT	MongoDB client shell and tools
ncurses	Shared library linkage	5.5	Distributable	A terminal handling library
net-snmp	Standalone apps/ libraries	5.4.4	BSD	Tools and servers for the SNMP protocol
net-tools	Standalone apps/ libraries	1.6	GPLv2	Basic networking tools
nfs-utils	Standalone apps/ libraries	1.0.9	GPLv2	Network File System (NFS) utilities and supporting clients and daemons for the kernel NFS server
nfs-utils-lib	OSS Shared library linkage	1.0.8	GPLv2	Network File System (NFS) Support Library
nodejs	Standalone apps/ libraries	0.6.18	BSD/MIT	Event-driven I/O for the Google V8 JavaScript engine
nss-softokn-freebl	Shared library linkage	3.14.3	MPLv2.0	Freebl library for the Network Security Services
ntp	Standalone apps/ libraries	4.2.8	Distributable	The Network Time Protocol (NTP) daemon and utilities
ntpdate	Standalone apps/ libraries	4.2.8	Distributable	Utility to set the date and time via Network Time Protocol (NTP)

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
open-vm-tools	OSS Shared library linkage	9.4.6	GPLv2/ LGPLv2	Open Virtual Machine Tools for virtual machines hosted on VMware
openldap	Shared library linkage	2.4.23	OpenLDAP	The configuration files, libraries, and documentation for OpenLDAP
openldap-clients	Standalone apps/ libraries	2.4.23	OpenLDAP	Client programs for OpenLDAP
openssh	Standalone apps/ libraries	6.4p1	BSD	An open source implementation of SSH protocol versions 1 and 2
openssh-clients	Standalone apps/ libraries	6.4p1	BSD	An open source SSH client application
openssh-server	Standalone apps/ libraries	6.4p1	BSD	An open source SSH server daemon
openssl	Shared library linkage	1.0.1e	OpenSSL	A general purpose cryptography library with TLS implementation
pam	Shared library linkage	1.0.2	BSD	A security tool which provides authentication for applications
pam_krb5	Standalone apps/ libraries	2.2.14	MIT	A pluggable authentication module (PAM) for Kerberos 5
pam_ldap	OSS Shared library linkage	1.8.4	LGPLv3	A pluggable authentication module (PAM) for use with LDAP servers
panos-release	Base Linux OS version info for our systems	2	GPLv2	PAN-OS® Linux release file
parted	Standalone apps/ libraries	1.8.1	GPLv3	The GNU disk partition manipulation program

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
passwd	Standalone apps/ libraries	0.73	GPLv2	The passwd utility for setting/changing passwords using PAM
pcre	Shared library linkage	6.6	BSD	Perl-compatible regular expression library
pexpect	OSS libraries in interpreted scripts	2.3	MIT	Pexpect is a Pure Python Expect-like module
phantomjs	OSS Shared library linkage	1.9.8	BSD	Head-Less Web Browser
php	Standalone apps/ libraries	5.3.17	PHP v3.01	PHP server-side scripting language
php-cli	Standalone apps/ libraries	5.3.17	PHP v3.01	Command-line interface for PHP server-side scripting language
php-ext	Standalone apps/ libraries	5.3.17	PHP v3.01	Shared PHP-Ext open source widget library for PHP 4 and PHP 5 server-side scripting language
popt	OSS Shared library linkage	1.12	MIT	A C library for parsing command line parameters
portmap	Standalone apps/ libraries	4	BSD	A program which manages remote procedure call (RPC) connections
procps	Standalone apps/ libraries	3.2.8	GPLv2	System and process monitoring utilities
psmisc	Standalone apps/ libraries	22.2	BSD	Utilities for managing processes on your system
python	Standalone apps/ libraries	2.4.3	PSF	An interpreted, interactive, object-oriented programming language
python-bloom	OSS libraries in interpreted scripts	0.1.12	BSD-like	Python implementation of bloom filter

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
python-elementtree	OSS libraries in interpreted scripts	1.2.6	PSF	Fast XML parser and writer
python-imaging	OSS libraries in interpreted scripts	1.1.5	Distributable	Python's own image processing library
python-sqlite	Shared library linkage	1.1.7	Public Domain	Python bindings for SQLite
python-urlgrabber	OSS libraries in interpreted scripts	3.1.0	LGPLv2.1	A high-level cross-protocol URL-grabber
rcs	Standalone apps/ libraries	5.7	GPLv2	Revision control system (RCS) file version management tools
readline	OSS Shared library linkage	5.1	GPLv2	A library for editing typed command lines
redhat-logos		4.9.8		Red Hat-related icons and pictures
reportlab	OSS libraries in interpreted scripts	2.2	BSD	Python PDF generation library
rootfiles	Standalone apps/ libraries	8.1	Distributable	The basic required files for the root user's directory
rpm	Standalone apps/ libraries	4.4.2	GPLv2	The Route Processing Module (RPM) package management system
rpm-libs	Standalone apps/ libraries	4.4.2	GPLv2	Libraries for manipulating Route Processing Module (RPM) packages
rpm-python	OSS libraries in interpreted scripts	4.4.2	GPLv2	Python bindings for apps which will manipulate Route Processing Module (RPM) packages
scrub	Standalone apps/ libraries	2.1	GPLv2	Disk scrubbing program

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
sed	Standalone apps/ libraries	4.1.5	GPLv2	A GNU stream text editor.
setup		2.5.58	Public Domain	A set of system configuration and setup files
shadow-utils	Standalone apps/ libraries	4.0.17	BSD	Utilities for managing accounts and shadow password files
snappy	Shared library linkage	1.0.1	Apache 2.0	High-speed compression and decompression library
sqlite	Shared library linkage	3.6.12	Public Domain	Library that implements an embeddable SQLite in-process database engine
sscep	Standalone apps/ libraries	1.0.0	BSD-like	Simple SCEP client
sshpass	Standalone apps/ libraries	1.05	BSD	Non-interactive SSH password provider
sysfsutils	Standalone apps/ libraries	2.0.0	GPLv2	Shared library for interfacing with the Linux sysfs virtual file system
sysklogd	Standalone apps/ libraries	1.4.1	GPLv2	System logging and kernel message trapping daemons
syslog-ng	Standalone apps/ libraries	3.2.5	GPLv2/ LGPLv2	Syslog replacement daemon
tar	Standalone apps/ libraries	1.15.1	GPLv2	A GNU file archiving program
tcpdump	Standalone apps/ libraries	3.9.4	BSD	A network traffic monitoring tool
termcap	Configuration Files	5.5	Public Domain	The terminal feature database used by certain applications
tftp	Standalone apps/ libraries	0.48	BSD	The client for Trivial FTP (TFTP)

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
traceroute	Standalone apps/ libraries	2.0.1	GPLv2	Traces the route taken by packets over an IPv4/IPv6 network
tzdata	Configuration files	2011l	Public domain	Time-zone data
udev	Standalone apps/ libraries	127	GPLv2	Device manager for device nodes and user space events (improved functionality over devfs)
util-linux	Standalone apps/ libraries	2.13	GPLv2	A collection of basic system utilities
vim-minimal	Standalone apps/ libraries	7.0.109	Charityware	A minimal version of VIsual editor iMproved (VIM)
vixie-cron	Standalone apps/ libraries	4.1	ISC	The Vixie cron daemon for executing scheduled commands
wget	Standalone apps/ libraries	1.16.2	GPLv3	A utility for retrieving files using the HTTP or FTP protocols
xinetd	Standalone apps/ libraries	2.3.14	Distributable	A secure replacement for inetd
xz-libs	OSS Shared library linkage	4.999.9	LGPLv2	Libraries for decoding LZMA compression
zlib	Shared library linkage	1.2.3	BSD	The zlib compression and decompression library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
M2Crypto	Standalone apps/ libraries	0.21.1	BSD	Support for using OpenSSL in python scripts
MAKEDEV	Standalone apps/ libraries	3.23	GPLv2	A program used for creating the device files in /dev
SysVinit	Standalone apps/ libraries	2.86	GPLv2	Programs which control basic system processes
basesystem		8	Public Domain	The skeleton package which defines a simple Red Hat Linux system
bash	Standalone apps/ libraries	3.1	GPLv2	The GNU Bourne Again shell (bash) version 3.1
beecrypt	OSS Shared library linkage	4.1.2	LGPLv2.1	An open source cryptography library
bind-libs	OSS Shared library linkage	9.3.3	ISC	Libraries used by the BIND DNS packages
bind-utils	Standalone apps/ libraries	9.3.3	ISC	Utilities for querying DNS name servers
bonnie++	Standalone apps/ libraries	1.03d	GPLv2	A program for benchmarking hard drives and file systems
bzip2	Standalone apps/ libraries	1.0.3	BSD	A file compression utility
bzip2-libs	OSS Shared library linkage	1.0.3	BSD	Libraries for applications using bzip2
chkconfig	Standalone apps/ libraries	1.3.30.1	GPLv2	A system tool for maintaining the /etc/rc*.d hierarchy
coreutils	Standalone apps/ libraries	5.97	GPLv2	The GNU core utilities: a set of tools commonly used in shell scripts

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
cpio	Standalone apps/ libraries	2.6	GPLv2	A GNU archiving program
cpp	Standalone apps/ libraries	4.1.1	GPLv2	The C Preprocessor
cracklib	OSS Shared library linkage	2.8.9	Artistic	A password-checking library
cracklib-dicts	Dictionaries used by cracklib	2.8.9	Artistic	The standard CrackLib password-checking dictionaries
crontabs	Root crontab files, used by system utilities	1.1	Public Domain	Root crontab files used to schedule the execution of programs
curl	Standalone apps/ libraries	7.20.1	MIT	Get and send files to a FTP, HTTP, TFTP, SSH or other servers
dhclient	Standalone apps/ libraries	3.0.5	Distributable	The ISC DHCP client for configuring network interfaces
diffutils	Standalone apps/ libraries	2.8.1	GPLv2	A GNU collection of diff utilities
e2fsprogs	Standalone apps/ libraries	1.39	GPLv2	Utilities for managing the second extended (ext2) file system
e2fsprogs-libs	OSS Shared library linkage	1.39	GPLv2	Ext2/3 file-system-specific static libraries and headers
e4fsprogs	Standalone apps/ libraries	1.41.12	GPLv2	Utilities for managing the fourth extended (ext4) file system
e4fsprogs-libs	OSS Shared library linkage	1.41.12	GPLv2	Ext4 file-system-specific static libraries and headers
elfutils-libelf	OSS Shared library linkage	0.128	GPLv2	Library to read and write ELF files

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
ethtool	Standalone apps/ libraries	5	GPLv2	Ethernet settings tool for PCI ethernet cards
eventlog	OSS Shared library linkage	0.2.12	BSD	event log library
expat	OSS Shared library linkage	1.95.8	BSD	A library for parsing XML
fastlz	Shared library linkage	0.1.0	FastLZ	A real-time compression library
file	Standalone apps/ libraries	5.04	Distributable	A utility for determining file types
file-libs	Standalone apps/ libraries	5.04	Distributable	Libraries for applications using the LibMagic Perl interface
filesystem	Standalone apps/ libraries	2.4.0	Distributable	The basic directory layout for a Linux system
findutils	Standalone apps/ libraries	4.2.27	GPLv2	The GNU versions of find utilities (find and xargs)
fipscheck	Standalone apps/ libraries	1.2.0	FreeBSD	A library for integrity verification of FIPS validated modules
fipscheck-lib	Standalone apps/ libraries	1.2.0	FreeBSD	Library files for fipscheck
gawk	Standalone apps/ libraries	3.1.5	GPLv2	The GNU version of the awk text processing utility
gdb	Standalone apps/ libraries	7.6.1	GPLv3+	A GNU source-level debugger for C, C++, Java and other languages
glib	OSS Shared library linkage	2.12.9	LGPLv2	glib library
glib2	OSS Shared library linkage	2.12.3	LGPLv2	A library of useful utility functions

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
glibc	Shared library linkage	2.12	LGPLv2	The GNU libc libraries
glibc-common	Shared library linkage	2.12	LGPLv2	Common binaries and locale data for glibc
gmp	OSS Shared library linkage	4.3.1	LGPLv3	A GNU arbitrary precision library
gnupg	Standalone apps/ libraries	1.4.5	GPLv2	A GNU utility for secure communication and data storage
gperftools	OSS Shared library linkage	2.2	BSD	Performance Tools for C++
grep	Standalone apps/ libraries	2.5.1	GPLv2	The GNU versions of grep pattern matching utilities
grub	Standalone apps/ libraries	6.0.97	GPL	GRUB - the Grand Unified Boot Loader
gzip	Standalone apps/ libraries	1.3.5	GPLv2	The GNU data compression program
inetutils	Standalone apps/ libraries	1.5	GPLv3	Internet utilities
info	Standalone apps/ libraries	4.8	GPLv2	A stand-alone TTY-based reader for GNU Texinfo documentation
initscripts	Standalone apps/ libraries + startup and shutdown scripts	8.45.15	GPLv2	The inittab file and the /etc/ init.d scripts
ipmitool	Standalone apps/ libraries	1.8.11	BSD-like	Open source Intelligent Platform Management Interface (IPMI) utilities and scripts
iproute	Standalone apps/ libraries	2.6.18	GPLv2	Advanced IP routing and network device configuration tools

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
iptables	Standalone apps/ libraries	1.3.5	GPLv2	Tools for managing Linux kernel packet filtering capabilities
iptables-ipv6	Standalone apps/ libraries	1.3.5	GPLv2	IPv6 support for IP tables
iputils	Standalone apps/ libraries	20020927	GPLv2	Network monitoring tools including ping
irqbalance		1.13		IRQ balancing daemon
krb5-libs	Shared library linkage	1.8.1	MIT	The shared libraries used by Kerberos 5
krb5-workstation	Standalone apps/ libraries	1.8.1	MIT	Kerberos 5 programs for use on workstations
less	Standalone apps/ libraries	394	GPLv2	A text file browser similar to more, but better
leveldb	Shared library linkage	1.15.0	BSD	LevelDB library
libcurl4	Shared library linkage	7.20.1	MIT	The cURL library
libevent	OSS Shared library linkage	2.0.19	GPLv2	Abstract asynchronous event notification library
libgcc	Shared library linkage	4.4.7	LGPLv2	GCC version 4.1 shared support library
libgethostbyname	Shared library linkage	1	LGPLv2	Fix glibc ghost bug
libgssapi	OSS Shared library linkage	0.1	BSD-like	Generic Security Services Application Programming Interface Library
libjpeg	OSS Shared library linkage	6b	IJG	A library for manipulating JPEG image format files
libmcrypt	OSS Shared library linkage	2.5.8	LGPLv2	Encryption algorithms library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libpcap	Shared library linkage	0.9.4	BSD	A system-independent interface for user-level packet capture
libpng	Shared library linkage	1.2.44	OSI Certified (Zlib)	A library of functions for manipulating PNG image format files
libselinux	OSS Shared library linkage	2.2.2	Public Domain	SELinux library and simple utilities
libsepol		1.15.2	LGPLv2.1	SELinux binary policy manipulation library
libstdc++	Shared library linkage	4.7.2	GPL	GNU Standard C++ Library
libsysfs	OSS Shared library linkage	2.0.0	LGPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
libtecla	Shared library linkage	1.6.1	MIT/X11	The Tecla command-line editing library
libtermcap	Configuration Files	2.0.8	Public Domain	A basic system library for accessing the termcap database
libunwind	OSS Shared library linkage	1.1	BSD	Unwind Library
libuser	OSS Shared library linkage	0.54.7	LGPLv2	A user and group account administration library
libvolume_id	OSS Shared library linkage	127	GPLv2	Dynamic libraries to get volume IDs
libxml2	Shared library linkage	2.9.1	MIT	Library providing XML and HTML support
libxml2-python	Standalone apps/ libraries	2.9.1	PSF	Python bindings for the libxml2 library
libxslt	Shared library linkage	1.1.22	MIT	Library providing the Gnome XSLT engine

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
Linux kernel	Operating System (OS) core	2.6.32	GPLv2.0	The core interface between the operating system and processes.
lockdev	Standalone apps/ libraries	1.0.1	LGPLv2.1	A library for locking devices
logrotate	Standalone apps/ libraries	3.7.4	GPLv2	Rotates, compresses, removes and mails system log files
lunasa	Shared library linkage, Standalone apps/ libraries	1	Commercial	Client software for SafeNet Luna SA hardware security module (HSM)
mailx	Standalone apps/ libraries	8.1.1	BSD	The /bin/mail program for sending quick email messages
mdadm		2.6.9	GPL	Linux utility used to manage and monitor software RAID devices
mingetty	Standalone apps/ libraries	1.07	GPLv2	A compact getty program for virtual consoles only
mktemp	Standalone apps/ libraries	1.5	BSD	A small utility for safely making .TMP files
module-init-tools	Standalone apps/ libraries	3.3	GPLv2	Kernel module management utilities
mongo-php-driver	Standalone apps/ libraries	1.2.12	PHP v3.01	Provides access to MongoDB for PHP server-side scripting language
mongodb	Standalone apps/ libraries	2.4.3	MIT	MongoDB client shell and tools
ncurses	Shared library linkage	5.5	Distributable	A terminal handling library
net-snmp	Standalone apps/ libraries	5.4.4	BSD	Tools and servers for the SNMP protocol

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
net-tools	Standalone apps/ libraries	1.6	GPLv2	Basic networking tools
nfs-utils	Standalone apps/ libraries	1.0.9	GPLv2	Network File System (NFS) utilities and supporting clients and daemons for the kernel NFS server
nfs-utils-lib	OSS Shared library linkage	1.0.8	GPLv2	Network File System (NFS) Support Library
nodejs	Standalone apps/ libraries	0.6.18	BSD/MIT	Event-driven I/O for the Google V8 JavaScript engine
nss-softokn-freebl	Shared library linkage	3.14.3	MPLv2.0	Freebl library for the Network Security Services
ntp	Standalone apps/ libraries	4.2.8	Distributable	The Network Time Protocol (NTP) daemon and utilities
ntpdate	Standalone apps/ libraries	4.2.8	Distributable	Utility to set the date and time via Network Time Protocol (NTP)
openldap	Shared library linkage	2.4.23	OpenLDAP	The configuration files, libraries, and documentation for OpenLDAP
openldap-clients	Standalone apps/ libraries	2.4.23	OpenLDAP	Client programs for OpenLDAP
openssh	Standalone apps/ libraries	6.4p1	BSD	An open source implementation of SSH protocol versions 1 and 2
openssh-clients	Standalone apps/ libraries	6.4p1	BSD	An open source SSH client application
openssh-server	Standalone apps/ libraries	6.4p1	BSD	An open source SSH server daemon
openssl	Shared library linkage	1.0.1e	OpenSSL	A general purpose cryptography library with TLS implementation

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
pam	Shared library linkage	1.0.2	BSD	A security tool which provides authentication for applications
pam_krb5	Standalone apps/ libraries	2.2.14	MIT	A pluggable authentication module (PAM) for Kerberos 5
pam_ldap	OSS Shared library linkage	1.8.4	LGPLv3	A pluggable authentication module (PAM) for use with LDAP servers
panos-release	Base Linux OS version info for our systems	2	GPLv2	PAN-OS® Linux release file
parted	Standalone apps/ libraries	1.8.1	GPLv3	The GNU disk partition manipulation program
passwd	Standalone apps/ libraries	0.73	GPLv2	The passwd utility for setting/changing passwords using PAM
pcre	Shared library linkage	6.6	BSD	Perl-compatible regular expression library
pexpect	OSS libraries in interpreted scripts	2.3	MIT	Pexpect is a Pure Python Expect-like module
php	Standalone apps/ libraries	5.3.17	PHP v3.01	PHP server-side scripting language
php-cli	Standalone apps/ libraries	5.3.17	PHP v3.01	Command-line interface for PHP server-side scripting language
php-ext	Standalone apps/ libraries	5.3.17	PHP v3.01	Shared PHP-Ext open source widget library for PHP 4 and PHP 5 server-side scripting language
popt	OSS Shared library linkage	1.12	MIT	A C library for parsing command line parameters

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
portmap	Standalone apps/ libraries	4	BSD	A program which manages remote procedure call (RPC) connections
procps	Standalone apps/ libraries	3.2.8	GPLv2	System and process monitoring utilities
psmisc	Standalone apps/ libraries	22.2	BSD	Utilities for managing processes on your system
python	Standalone apps/ libraries	2.4.3	PSF	An interpreted, interactive, object-oriented programming language
python-bloom	OSS libraries in interpreted scripts	0.1.12	BSD-like	Python implementation of bloom filter
python-elementtree	OSS libraries in interpreted scripts	1.2.6	PSF	Fast XML parser and writer
python-imaging	OSS libraries in interpreted scripts	1.1.5	Distributable	Python's own image processing library
python-sqlite	Shared library linkage	1.1.7	Public Domain	Python bindings for SQLite
python-urlgrabber	OSS libraries in interpreted scripts	3.1.0	LGPLv2.1	A high-level cross-protocol URL-grabber
rcs	Standalone apps/ libraries	5.7	GPLv2	Revision control system (RCS) file version management tools
readline	OSS Shared library linkage	5.1	GPLv2	A library for editing typed command lines
redhat-logos		4.9.8		Red Hat-related icons and pictures
reportlab	OSS libraries in interpreted scripts	2.2	BSD	Python PDF generation library
rootfiles	Standalone apps/ libraries	8.1	Distributable	The basic required files for the root user's directory

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
rpm	Standalone apps/ libraries	4.4.2	GPLv2	The Route Processing Module (RPM) package management system
rpm-libs	Standalone apps/ libraries	4.4.2	GPLv2	Libraries for manipulating Route Processing Module (RPM) packages
rpm-python	OSS libraries in interpreted scripts	4.4.2	GPLv2	Python bindings for apps which will manipulate Route Processing Module (RPM) packages
scrub	Standalone apps/ libraries	2.1	GPLv2	Disk scrubbing program
sed	Standalone apps/ libraries	4.1.5	GPLv2	A GNU stream text editor.
setup		2.5.58	Public Domain	A set of system configuration and setup files
shadow-utils	Standalone apps/ libraries	4.0.17	BSD	Utilities for managing accounts and shadow password files
snappy	Shared library linkage	1.0.1	Apache 2.0	High-speed compression and decompression library
sqlite	Shared library linkage	3.6.12	Public Domain	Library that implements an embeddable SQLite in-process database engine
sshpass	Standalone apps/ libraries	1.05	BSD	Non-interactive SSH password provider
sysfsutils	Standalone apps/ libraries	2.0.0	GPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
sysklogd	Standalone apps/ libraries	1.4.1	GPLv2	System logging and kernel message trapping daemons
syslog-ng	Standalone apps/ libraries	3.2.5	GPLv2 LGPLv2	Syslog replacement daemon

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
tar	Standalone apps/ libraries	1.15.1	GPLv2	A GNU file archiving program
tcpdump	Standalone apps/ libraries	3.9.4	BSD	A network traffic monitoring tool
termcap	Configuration Files	5.5	Public Domain	The terminal feature database used by certain applications
tftp	Standalone apps/ libraries	0.48	BSD	The client for Trivial FTP (TFTP)
traceroute	Standalone apps/ libraries	2.0.1	GPLv2	Traces the route taken by packets over an IPv4/IPv6 network
tzdata	Configuration files	2011l	Public domain	Time-zone data
udev	Standalone apps/ libraries	127	GPLv2	Device manager for device nodes and user space events (improved functionality over `devfs`)
util-linux	Standalone apps/ libraries	2.13	GPLv2	A collection of basic system utilities
vim-minimal	Standalone apps/ libraries	7.0.109	Charityware	A minimal version of VIsual editor iMproved (VIM)
vixie-cron	Standalone apps/ libraries	4.1	ISC	The Vixie cron daemon for executing scheduled commands
wget	Standalone apps/ libraries	1.12	GPLv3	A utility for retrieving files using the HTTP or FTP protocols
xinetd	Standalone apps/ libraries	2.3.14	Distributable	A secure replacement for `inetd`
xz-libs	OSS Shared library linkage	4.999.9	LGPLv2	Libraries for decoding LZMA compression

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
zlib	Shared library linkage	1.2.3	BSD	The zlib compression and decompression library

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Panorama 6.1 OSS Listing

NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
MAKEDEV	Standalone apps/ libraries	3.23	GPLv2	A program used for creating the device files in /dev
SysVinit	Standalone apps/ libraries	2.86	GPLv2	Programs which control basic system processes
basesystem		8	Public Domain	The skeleton package which defines a simple Red Hat Linux system
bash	Standalone apps/ libraries	3.1	GPLv2	The GNU Bourne Again shell (bash) version 3.1
beecrypt	OSS Shared library linkage	4.1.2	LGPLv2.1	An open source cryptography library
bind-libs	OSS Shared library linkage	9.3.3	ISC	Libraries used by the BIND DNS packages
bind-utils	Standalone apps/ libraries	9.3.3	ISC	Utilities for querying DNS name servers
bonnie++	Standalone apps/ libraries	1.03d	GPLv2	A program for benchmarking hard drives and file systems
bzip2	Standalone apps/ libraries	1.0.3	BSD	A file compression utility
bzip2-libs	OSS Shared library linkage	1.0.3	BSD	Libraries for applications using bzip2
chkconfig	Standalone apps/ libraries	1.3.30.1	GPLv2	A system tool for maintaining the /etc/rc*.d hierarchy
coreutils	Standalone apps/ libraries	5.97	GPLv2	The GNU core utilities: a set of tools commonly used in shell scripts
cpio	Standalone apps/ libraries	2.6	GPLv2	A GNU archiving program

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
cpp	Standalone apps/ libraries	4.1.1	GPLv2	The C Preprocessor
cracklib	OSS Shared library linkage	2.8.9	Artistic	A password-checking library
cracklib-dicts	Dictionaries used by cracklib	2.8.9	Artistic	The standard CrackLib password-checking dictionaries
crontabs	Root crontab files, used by system utilities	1.1	Public Domain	Root crontab files used to schedule the execution of programs
curl	Standalone apps/ libraries	7.20.1	MIT	Get and send files to a FTP, HTTP, TFTP, SSH or other servers
dhclient	Standalone apps/ libraries	3.0.5	Distributable	The ISC DHCP client for configuring network interfaces
diffutils	Standalone apps/ libraries	2.8.1	GPLv2	A GNU collection of diff utilities
e2fsprogs	Standalone apps/ libraries	1.39	GPLv2	Utilities for managing the second extended (ext2) file system
e2fsprogs-libs	OSS Shared library linkage	1.39	GPLv2	Ext2/3 file-system-specific static libraries and headers
e4fsprogs	Standalone apps/ libraries	1.41.12	GPLv2	Utilities for managing the fourth extended (ext4) file system
e4fsprogs-libs	OSS Shared library linkage	1.41.12	GPLv2	Ext4 file-system-specific static libraries and headers
elfutils-libelf	OSS Shared library linkage	0.128	GPLv2	Library to read and write ELF files
ethtool	Standalone apps/ libraries	5	GPLv2	Ethernet settings tool for PCI ethernet cards

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
eventlog	OSS Shared library linkage	0.2.12	BSD	event log library
expat	OSS Shared library linkage	1.95.8	BSD	A library for parsing XML
fastlz	Shared library linkage	0.1.0	FastLZ	A real-time compression library
file	Standalone apps/ libraries	5.04	Distributable	A utility for determining file types
file-libs	Standalone apps/ libraries	5.04	Distributable	Libraries for applications using the LibMagic Perl interface
filesystem	Standalone apps/ libraries	2.4.0	Distributable	The basic directory layout for a Linux system
findutils	Standalone apps/ libraries	4.2.27	GPLv2	The GNU versions of find utilities (find and xargs)
fipscheck	Standalone apps/ libraries	1.2.0	FreeBSD	A library for integrity verification of FIPS validated modules
fipscheck-lib	Standalone apps/ libraries	1.2.0	FreeBSD	Library files for fipscheck
gawk	Standalone apps/ libraries	3.1.5	GPLv2	The GNU version of the awk text processing utility
gdb	Standalone apps/ libraries	7.0.1	GPLv3+	A GNU source-level debugger for C, C++, Java and other languages
glib	OSS Shared library linkage	2.12.9	LGPLv2	glib library
glib2	OSS Shared library linkage	2.12.3	LGPLv2	A library of useful utility functions
glibc	Shared library linkage	2.5	LGPLv2	The GNU libc libraries

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
glibc-common	Shared library linkage	2.5	LGPLv2	Common binaries and locale data for glibc
gmp	OSS Shared library linkage	4.3.1	LGPLv3	A GNU arbitrary precision library
gnupg	Standalone apps/ libraries	1.4.5	GPLv2	A GNU utility for secure communication and data storage
gperftools	OSS Shared library linkage	2	BSD	Performance Tools for C++
grep	Standalone apps/ libraries	2.5.1	GPLv2	The GNU versions of grep pattern matching utilities
grub	Standalone apps/ libraries	6.0.97	GPL	GRUB - the Grand Unified Boot Loader
gzip	Standalone apps/ libraries	1.3.5	GPLv2	The GNU data compression program
inetutils	Standalone apps/ libraries	1.5	GPLv3	Internet utilities
info	Standalone apps/ libraries	4.8	GPLv2	A stand-alone TTY-based reader for GNU Texinfo documentation
initscripts	Standalone apps/ libraries + startup and shutdown scripts	8.45.15	GPLv2	The inittab file and the /etc/ init.d scripts
ipmitool	Standalone apps/ libraries	1.8.11	BSD-like	Open source Intelligent Platform Management Interface (IPMI) utilities and scripts
iproute	Standalone apps/ libraries	2.6.18	GPLv2	Advanced IP routing and network device configuration tools
iptables	Standalone apps/ libraries	1.3.5	GPLv2	Tools for managing Linux kernel packet filtering capabilities

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
iptables-ipv6	Standalone apps/ libraries	1.3.5	GPLv2	IPv6 support for IP tables
iputils	Standalone apps/ libraries	20020927	GPLv2	Network monitoring tools including ping
irqbalance		1.13		IRQ balancing daemon
krb5-libs	Shared library linkage	1.8.1	MIT	The shared libraries used by Kerberos 5
krb5-workstation	Standalone apps/ libraries	1.8.1	MIT	Kerberos 5 programs for use on workstations
less	Standalone apps/ libraries	394	GPLv2	A text file browser similar to more, but better
leveldb	Shared library linkage	1.15.0	BSD	LevelDB library
libacl	OSS Shared library linkage	2.2.39	LGPLv2.1	Dynamic library for access control list support
libattr	OSS Shared library linkage	2.4.32	LGPLv2.1	Dynamic library for extended attribute support
libcurl4	Shared library linkage	7.20.1	MIT	The cURL library
libevent	OSS Shared library linkage	2.0.19	GPLv2	Abstract asynchronous event notification library
libgcc	Shared library linkage	4.1.1	LGPLv2	GCC version 4.1 shared support library
libgssapi	OSS Shared library linkage	0.1	BSD-like	Generic Security Services Application Programming Interface Library
libjpeg	OSS Shared library linkage	6b	IJG	A library for manipulating JPEG image format files
libmcrypt	OSS Shared library linkage	2.5.8	LGPLv2	Encryption algorithms library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libpcap	Shared library linkage	0.9.4	BSD	A system-independent interface for user-level packet capture
libpng	Shared library linkage	1.2.44	OSI Certified (Zlib)	A library of functions for manipulating PNG image format files
libstdc++	Shared library linkage	4.1.1	GPL	GNU Standard C++ Library
libsysfs	OSS Shared library linkage	2.0.0	LGPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
libtecla	Shared library linkage	1.6.1	MIT/X11	The Tecla command-line editing library
libtermcap	Configuration Files	2.0.8	Public Domain	A basic system library for accessing the termcap database
libunwind	OSS Shared library linkage	1.1	BSD	Unwind Library
libuser	OSS Shared library linkage	0.54.7	LGPLv2	A user and group account administration library
libvolume_id	OSS Shared library linkage	127	GPLv2	Dynamic libraries to get volume IDs
libxml2	Shared library linkage	2.6.30	MIT	Library providing XML and HTML support
libxml2-python	Standalone apps/ libraries	2.6.30	PSF	Python bindings for the libxml2 library
libxslt	Shared library linkage	1.1.22	MIT	Library providing the Gnome XSLT engine
Linux kernel	Operating System (OS) core	2.6.32	GPLv2.0	The core interface between the operating system and processes.
lockdev	Standalone apps/ libraries	1.0.1	LGPLv2.1	A library for locking devices

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
logrotate	Standalone apps/ libraries	3.7.4	GPLv2	Rotates, compresses, removes and mails system log files
lunasa	Shared library linkage, Standalone apps/ libraries	1	Commercial	Client software for SafeNet Luna SA hardware security module (HSM)
m2crypto	Standalone apps/ libraries	0.16	BSD	Support for using OpenSSL in python scripts
mailx	Standalone apps/ libraries	8.1.1	BSD	The /bin/mail program for sending quick email messages
mdadm		2.6.9	GPL	Linux utility used to manage and monitor software RAID devices
mingetty	Standalone apps/ libraries	1.07	GPLv2	A compact getty program for virtual consoles only
mktemp	Standalone apps/ libraries	1.5	BSD	A small utility for safely making .TMP files
module-init-tools	Standalone apps/ libraries	3.3	GPLv2	Kernel module management utilities
mongo-php-driver	Standalone apps/ libraries	1.2.12	PHP v3.01	Provides access to MongoDB for PHP server-side scripting language
mongodb	Standalone apps/ libraries	2.4.3	MIT	MongoDB client shell and tools
ncurses	Shared library linkage	5.5	Distributable	A terminal handling library
net-snmp	Standalone apps/ libraries	5.4.4	BSD	Tools and servers for the SNMP protocol
net-tools	Standalone apps/ libraries	1.6	GPLv2	Basic networking tools
nfs-utils	Standalone apps/ libraries	1.0.9	GPLv2	Network File System (NFS) utilities and supporting

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
				clients and daemons for the kernel NFS server
nfs-utils-lib	OSS Shared library linkage	1.0.8	GPLv2	Network File System (NFS) Support Library
nodejs	Standalone apps/ libraries	0.6.18	BSD/MIT	Event-driven I/O for the Google V8 JavaScript engine
ntp	Standalone apps/ libraries	4.2.8	Distributable	The Network Time Protocol (NTP) daemon and utilities
ntpdate	Standalone apps/ libraries	4.2.8	Distributable	Utility to set the date and time via Network Time Protocol (NTP)
openldap	Shared library linkage	2.4.23	OpenLDAP	The configuration files, libraries, and documentation for OpenLDAP
openldap-clients	Standalone apps/ libraries	2.4.23	OpenLDAP	Client programs for OpenLDAP
openssh	Standalone apps/ libraries	5.2p1	BSD	An open source implementation of SSH protocol versions 1 and 2
openssh-clients	Standalone apps/ libraries	5.2p1	BSD	An open source SSH client application
openssh-server	Standalone apps/ libraries	5.2p1	BSD	An open source SSH server daemon
openssl	Shared library linkage	0.9.8p	OpenSSL	A general purpose cryptography library with TLS implementation
pam	Shared library linkage	1.0.2	BSD	A security tool which provides authentication for applications
pam_krb5	Standalone apps/ libraries	2.2.14	MIT	A pluggable authentication module (PAM) for Kerberos 5

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
pam_ldap	OSS Shared library linkage	1.8.4	LGPLv3	A pluggable authentication module (PAM) for use with LDAP servers
panos-release	Base Linux OS version info for our systems	2	GPLv2	PAN-OS Linux release file
passwd	Standalone apps/ libraries	0.73	GPLv2	The passwd utility for setting/changing passwords using PAM
pcre	Shared library linkage	6.6	BSD	Perl-compatible regular expression library
pexpect	OSS libraries in interpreted scripts	2.3	MIT	Pexpect is a Pure Python Expect-like module
php	Standalone apps/ libraries	5.3.17	PHP v3.01	PHP server-side scripting language
php-cli	Standalone apps/ libraries	5.3.17	PHP v3.01	Command-line interface for PHP server-side scripting language
php-ext	Standalone apps/ libraries	5.3.17	PHP v3.01	Shared PHP-Ext open source widget library for PHP 4 and PHP 5 server-side scripting language
popt	OSS Shared library linkage	1.12	MIT	A C library for parsing command line parameters
portmap	Standalone apps/ libraries	4	BSD	A program which manages remote procedure call (RPC) connections
procps	Standalone apps/ libraries	3.2.7	GPLv2	System and process monitoring utilities
psmisc	Standalone apps/ libraries	22.2	BSD	Utilities for managing processes on your system
python	Standalone apps/ libraries	2.4.3	PSF	An interpreted, interactive, object-oriented programming language

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
python-bloom	OSS libraries in interpreted scripts	0.1.12	BSD-like	Python implementation of bloom filter
python-elementtree	OSS libraries in interpreted scripts	1.2.6	PSF	Fast XML parser and writer
python-imaging	OSS libraries in interpreted scripts	1.1.5	Distributable	Python's own image processing library
python-sqlite	Shared library linkage	1.1.7	Public Domain	Python bindings for SQLite
python-urlgrabber	OSS libraries in interpreted scripts	3.1.0	LGPLv2.1	A high-level cross-protocol URL-grabber
rcs	Standalone apps/ libraries	5.7	GPLv2	Revision control system (RCS) file version management tools
readline	OSS Shared library linkage	5.1	GPLv2	A library for editing typed command lines
redhat-logos		4.9.8		Red Hat-related icons and pictures
reportlab	OSS libraries in interpreted scripts	2.2	BSD	Python PDF generation library
rootfiles	Standalone apps/ libraries	8.1	Distributable	The basic required files for the root user's directory
rpm	Standalone apps/ libraries	4.4.2	GPLv2	The Route Processing Module (RPM) package management system
rpm-libs	Standalone apps/ libraries	4.4.2	GPLv2	Libraries for manipulating Route Processing Module (RPM) packages
rpm-python	OSS libraries in interpreted scripts	4.4.2	GPLv2	Python bindings for apps which will manipulate Route Processing Module (RPM) packages

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
scrub	Standalone apps/ libraries	2.1	GPLv2	Disk scrubbing program
sed	Standalone apps/ libraries	4.1.5	GPLv2	A GNU stream text editor.
setup		2.5.58	Public Domain	A set of system configuration and setup files
shadow-utils	Standalone apps/ libraries	4.0.17	BSD	Utilities for managing accounts and shadow password files
snappy	Shared library linkage	1.0.1	Apache 2.0	High-speed compression and decompression library
sqlite	Shared library linkage	3.6.12	Public Domain	Library that implements an embeddable SQLite in-process database engine
sshpass	Standalone apps/ libraries	1.05	BSD	Non-interactive SSH password provider
sysfsutils	Standalone apps/ libraries	2.0.0	GPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
sysklogd	Standalone apps/ libraries	1.4.1	GPLv2	System logging and kernel message trapping daemons
syslog-ng	Standalone apps/ libraries	3.2.5	GPLv2 LGPLv2	Syslog replacement daemon
tar	Standalone apps/ libraries	1.15.1	GPLv2	A GNU file archiving program
tcpdump	Standalone apps/ libraries	3.9.4	BSD	A network traffic monitoring tool
termcap	Configuration Files	5.5	Public Domain	The terminal feature database used by certain applications
tftp	Standalone apps/ libraries	0.48	BSD	The client for Trivial FTP (TFTP)

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
traceroute	Standalone apps/ libraries	2.0.1	GPLv2	Traces the route taken by packets over an IPv4/IPv6 network
tzdata	Configuration files	2011l	Public domain	Time-zone data
udev	Standalone apps/ libraries	127	GPLv2	Device manager for device nodes and user space events (improved functionality over `devfs`)
util-linux	Standalone apps/ libraries	2.13	GPLv2	A collection of basic system utilities
vim-minimal	Standalone apps/ libraries	7.0.109	Charityware	A minimal version of VIsual editor iMproved (VIM)
vixie-cron	Standalone apps/ libraries	4.1	ISC	The Vixie cron daemon for executing scheduled commands
wget	Standalone apps/ libraries	1.12	GPLv3	A utility for retrieving files using the HTTP or FTP protocols
xinetd	Standalone apps/ libraries	2.3.14	Distributable	A secure replacement for `inetd`
zlib	Shared library linkage	1.2.3	BSD	The zlib compression and decompression library

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Panorama 6.0 OSS Listing

NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
MAKEDEV	Standalone apps/ libraries	3.23	GPLv2	A program used for creating the device files in /dev
SysVinit	Standalone apps/ libraries	2.86	GPLv2	Programs which control basic system processes
basesystem		8	Public Domain	The skeleton package which defines a simple Red Hat Linux system
bash	Standalone apps/ libraries	3.1	GPLv2	The GNU Bourne Again shell (bash) version 3.1
beecrypt	OSS Shared library linkage	4.1.2	LGPLv2.1	An open source cryptography library
bind-libs	OSS Shared library linkage	9.3.3	ISC	Libraries used by the BIND DNS packages
bind-utils	Standalone apps/ libraries	9.3.3	ISC	Utilities for querying DNS name servers
bonnie++	Standalone apps/ libraries	1.03d	GPLv2	A program for benchmarking hard drives and file systems
bzip2	Standalone apps/ libraries	1.0.3	BSD	A file compression utility
bzip2-libs	OSS Shared library linkage	1.0.3	BSD	Libraries for applications using bzip2
chkconfig	Standalone apps/ libraries	1.3.30.1	GPLv2	A system tool for maintaining the /etc/rc*.d hierarchy
coreutils	Standalone apps/ libraries	5.97	GPLv2	The GNU core utilities: a set of tools commonly used in shell scripts
cpio	Standalone apps/ libraries	2.6	GPLv2	A GNU archiving program

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
cpp	Standalone apps/ libraries	4.1.1	GPLv2	The C Preprocessor
cracklib	OSS Shared library linkage	2.8.9	Artistic	A password-checking library
cracklib-dicts	Dictionaries used by cracklib	2.8.9	Artistic	The standard CrackLib password-checking dictionaries
crontabs	Root crontab files, used by system utilities	1.1	Public Domain	Root crontab files used to schedule the execution of programs
curl	Standalone apps/ libraries	7.20.1	MIT	Get and send files to a FTP, HTTP, TFTP, SSH or other servers
dhclient	Standalone apps/ libraries	3.0.5	Distributable	The ISC DHCP client for configuring network interfaces
diffutils	Standalone apps/ libraries	2.8.1	GPLv2	A GNU collection of diff utilities
e2fsprogs	Standalone apps/ libraries	1.39	GPLv2	Utilities for managing the second extended (ext2) file system
e2fsprogs-libs	OSS Shared library linkage	1.39	GPLv2	Ext2/3 file-system-specific static libraries and headers
e4fsprogs	Standalone apps/ libraries	1.41.12	GPLv2	Utilities for managing the fourth extended (ext4) file system
e4fsprogs-libs	OSS Shared library linkage	1.41.12	GPLv2	Ext4 file-system-specific static libraries and headers
elfutils-libelf	OSS Shared library linkage	0.128	GPLv2	Library to read and write ELF files
ethtool	Standalone apps/ libraries	5	GPLv2	Ethernet settings tool for PCI ethernet cards

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
eventlog	OSS Shared library linkage	0.2.12	BSD	event log library
expat	OSS Shared library linkage	1.95.8	BSD	A library for parsing XML
fastlz	Shared library linkage	0.1.0	FastLZ	A real-time compression library
file	Standalone apps/ libraries	5.04	Distributable	A utility for determining file types
file-libs	Standalone apps/ libraries	5.04	Distributable	Libraries for applications using the LibMagic Perl interface
filesystem	Standalone apps/ libraries	2.4.0	Distributable	The basic directory layout for a Linux system
findutils	Standalone apps/ libraries	4.2.27	GPLv2	The GNU versions of find utilities (find and xargs)
fipscheck	Standalone apps/ libraries	1.2.0	FreeBSD	A library for integrity verification of FIPS validated modules
fipscheck-lib	Standalone apps/ libraries	1.2.0	FreeBSD	Library files for fipscheck
gawk	Standalone apps/ libraries	3.1.5	GPLv2	The GNU version of the awk text processing utility
gdb	Standalone apps/ libraries	7.0.1	GPLv3+	A GNU source-level debugger for C, C++, Java and other languages
glib	OSS Shared library linkage	2.12.9	LGPLv2	glib library
glib2	OSS Shared library linkage	2.12.3	LGPLv2	A library of useful utility functions
glibc	Shared library linkage	2.5	LGPLv2	The GNU libc libraries

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
glibc-common	Shared library linkage	2.5	LGPLv2	Common binaries and locale data for glibc
gmp	OSS Shared library linkage	4.3.1	LGPLv3	A GNU arbitrary precision library
gnupg	Standalone apps/ libraries	1.4.5	GPLv2	A GNU utility for secure communication and data storage
grep	Standalone apps/ libraries	2.5.1	GPLv2	The GNU versions of grep pattern matching utilities
grub	Standalone apps/ libraries	6.0.97	GPL	GRUB - the Grand Unified Boot Loader
gzip	Standalone apps/ libraries	1.3.5	GPLv2	The GNU data compression program
inetutils	Standalone apps/ libraries	1.5	GPLv3	Internet utilities
info	Standalone apps/ libraries	4.8	GPLv2	A stand-alone TTY-based reader for GNU Texinfo documentation
initscripts	Standalone apps/ libraries + startup and shutdown scripts	8.45.15	GPLv2	The inittab file and the /etc/ init.d scripts
ipmitool	Standalone apps/ libraries	1.8.11	BSD-like	Open source Intelligent Platform Management Interface (IPMI) utilities and scripts
iproute	Standalone apps/ libraries	2.6.18	GPLv2	Advanced IP routing and network device configuration tools
iptables	Standalone apps/ libraries	1.3.5	GPLv2	Tools for managing Linux kernel packet filtering capabilities
iptables-ipv6	Standalone apps/ libraries	1.3.5	GPLv2	IPv6 support for IP tables

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
iputils	Standalone apps/ libraries	20020927	GPLv2	Network monitoring tools including ping
irqbalance		1.13		IRQ balancing daemon
krb5-libs	Shared library linkage	1.8.1	MIT	The shared libraries used by Kerberos 5
krb5-workstation	Standalone apps/ libraries	1.8.1	MIT	Kerberos 5 programs for use on workstations
less	Standalone apps/ libraries	394	GPLv2	A text file browser similar to more, but better
leveldb	Shared library linkage	1.2	BSD	LevelDB library
libacl	OSS Shared library linkage	2.2.39	LGPLv2.1	Dynamic library for access control list support
libattr	OSS Shared library linkage	2.4.32	LGPLv2.1	Dynamic library for extended attribute support
libcurl4	Shared library linkage	7.20.1	MIT	The cURL library
libevent	OSS Shared library linkage	2.0.19	GPLv2	Abstract asynchronous event notification library
libgcc	Shared library linkage	4.1.1	LGPLv2	GCC version 4.1 shared support library
libgssapi	OSS Shared library linkage	0.1	BSD-like	Generic Security Services Application Programming Interface Library
libjpeg	OSS Shared library linkage	6b	IJG	A library for manipulating JPEG image format files
libmcrypt	OSS Shared library linkage	2.5.8	LGPLv2	Encryption algorithms library
libpcap	Shared library linkage	0.9.4	BSD	A system-independent interface for user-level packet capture

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libpng	Shared library linkage	1.2.44	OSI Certified (Zlib)	A library of functions for manipulating PNG image format files
libstdc++	Shared library linkage	4.1.1	GPL	GNU Standard C++ Library
libsysfs	OSS Shared library linkage	2.0.0	LGPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
libtecla	Shared library linkage	1.6.1	MIT/X11	The Tecla command-line editing library
libtermcap	Configuration Files	2.0.8	Public Domain	A basic system library for accessing the termcap database
libunwind	OSS Shared library linkage	1.1	BSD	Unwind Library
libuser	OSS Shared library linkage	0.54.7	LGPLv2	A user and group account administration library
libvolume_id	OSS Shared library linkage	127	GPLv2	Dynamic libraries to get volume IDs
libxml2	Shared library linkage	2.6.30	MIT	Library providing XML and HTML support
libxml2-python	Standalone apps/ libraries	2.6.30	PSF	Python bindings for the libxml2 library
libxslt	Shared library linkage	1.1.22	MIT	Library providing the Gnome XSLT engine
Linux kernel	Operating System (OS) core	2.6.32	GPLv2.0	The core interface between the operating system and processes.
lockdev	Standalone apps/ libraries	1.0.1	LGPLv2.1	A library for locking devices
logrotate	Standalone apps/ libraries	3.7.4	GPLv2	Rotates, compresses, removes and mails system log files

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
lunasa	Shared library linkage, Standalone apps/ libraries	1	Commercial	Client software for SafeNet Luna SA hardware security module (HSM)
m2crypto	Standalone apps/ libraries	0.16	BSD	Support for using OpenSSL in python scripts
mailx	Standalone apps/ libraries	8.1.1	BSD	The /bin/mail program for sending quick email messages
mdadm		2.6.9	GPL	Linux utility used to manage and monitor software RAID devices
mingetty	Standalone apps/ libraries	1.07	GPLv2	A compact getty program for virtual consoles only
mktemp	Standalone apps/ libraries	1.5	BSD	A small utility for safely making .TMP files
module-init-tools	Standalone apps/ libraries	3.3	GPLv2	Kernel module management utilities
mongo-php-driver	Standalone apps/ libraries	1.2.12	PHP v3.01	Provides access to MongoDB for PHP server-side scripting language
mongodb	Standalone apps/ libraries	2.4.3	AGPL 3.0	MongoDB client shell and tools
ncurses	Shared library linkage	5.5	Distributable	A terminal handling library
net-snmp	Standalone apps/ libraries	5.4.4	BSD	Tools and servers for the SNMP protocol
net-tools	Standalone apps/ libraries	1.6	GPLv2	Basic networking tools
nfs-utils	Standalone apps/ libraries	1.0.9	GPLv2	Network File System (NFS) utilities and supporting clients and daemons for the kernel NFS server

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
nfs-utils-lib	OSS Shared library linkage	1.0.8	GPLv2	Network File System (NFS) Support Library
nodejs	Standalone apps/ libraries	0.6.18	BSD/MIT	Event-driven I/O for the Google V8 JavaScript engine
ntp	Standalone apps/ libraries	4.2.2p1	Distributable	Synchronizes system time using the Network Time Protocol (NTP)
openldap	Shared library linkage	2.4.23	OpenLDAP	The configuration files, libraries, and documentation for OpenLDAP
openldap-clients	Standalone apps/ libraries	2.4.23	OpenLDAP	Client programs for OpenLDAP
openssh	Standalone apps/ libraries	5.2p1	BSD	An open source implementation of SSH protocol versions 1 and 2
openssh-clients	Standalone apps/ libraries	5.2p1	BSD	An open source SSH client application
openssh-server	Standalone apps/ libraries	5.2p1	BSD	An open source SSH server daemon
openssl	Shared library linkage	0.9.8p	OpenSSL	A general purpose cryptography library with TLS implementation
pam	Shared library linkage	1.0.2	BSD	A security tool which provides authentication for applications
pam_krb5	Standalone apps/ libraries	2.2.14	MIT	A pluggable authentication module (PAM) for Kerberos 5
pam_ldap	OSS Shared library linkage	1.8.4	LGPLv3	A pluggable authentication module (PAM) for use with LDAP servers
panos-release	Base Linux OS version info for our systems	2	GPLv2	PAN-OS Linux release file

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
passwd	Standalone apps/ libraries	0.73	GPLv2	The passwd utility for setting/changing passwords using PAM
pcre	Shared library linkage	6.6	BSD	Perl-compatible regular expression library
pexpect	OSS libraries in interpreted scripts	2.3	MIT	Pexpect is a Pure Python Expect-like module
php	Standalone apps/ libraries	5.3.17	PHP v3.01	PHP server-side scripting language
php-cli	Standalone apps/ libraries	5.3.17	PHP v3.01	Command-line interface for PHP server-side scripting language
php-ext	Standalone apps/ libraries	5.3.17	PHP v3.01	Shared PHP-Ext open source widget library for PHP 4 and PHP 5 server-side scripting language
popt	OSS Shared library linkage	1.12	MIT	A C library for parsing command line parameters
portmap	Standalone apps/ libraries	4	BSD	A program which manages remote procedure call (RPC) connections
procps	Standalone apps/ libraries	3.2.7	GPLv2	System and process monitoring utilities
psmisc	Standalone apps/ libraries	22.2	BSD	Utilities for managing processes on your system
python	Standalone apps/ libraries	2.4.3	PSF	An interpreted, interactive, object-oriented programming language
python-bloom	OSS libraries in interpreted scripts	0.1.12	BSD-like	Python implementation of bloom filter
python-elementtree	OSS libraries in interpreted scripts	1.2.6	PSF	Fast XML parser and writer

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
python-imaging	OSS libraries in interpreted scripts	1.1.5	Distributable	Python's own image processing library
python-sqlite	Shared library linkage	1.1.7	Public Domain	Python bindings for SQLite
python-urlgrabber	OSS libraries in interpreted scripts	3.1.0	LGPLv2.1	A high-level cross-protocol URL-grabber
rcs	Standalone apps/ libraries	5.7	GPLv2	Revision control system (RCS) file version management tools
readline	OSS Shared library linkage	5.1	GPLv2	A library for editing typed command lines
redhat-logos		4.9.8		Red Hat-related icons and pictures
reportlab	OSS libraries in interpreted scripts	2.2	BSD	Python PDF generation library
rootfiles	Standalone apps/ libraries	8.1	Distributable	The basic required files for the root user's directory
rpm	Standalone apps/ libraries	4.4.2	GPLv2	The Route Processing Module (RPM) package management system
rpm-libs	Standalone apps/ libraries	4.4.2	GPLv2	Libraries for manipulating Route Processing Module (RPM) packages
rpm-python	OSS libraries in interpreted scripts	4.4.2	GPLv2	Python bindings for apps which will manipulate Route Processing Module (RPM) packages
scrub	Standalone apps/ libraries	2.1	GPLv2	Disk scrubbing program
sed	Standalone apps/ libraries	4.1.5	GPLv2	A GNU stream text editor

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
setup		2.5.58	Public Domain	A set of system configuration and setup files
shadow-utils	Standalone apps/ libraries	4.0.17	BSD	Utilities for managing accounts and shadow password files
snappy	Shared library linkage	1.0.1	Apache 2.0	High-speed compression and decompression library
sqlite	Shared library linkage	3.6.12	Public Domain	Library that implements an embeddable SQLite in-process database engine
sshpass	Standalone apps/ libraries	1.05	BSD	Non-interactive SSH password provider
sysfsutils	Standalone apps/ libraries	2.0.0	GPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
sysklogd	Standalone apps/ libraries	1.4.1	GPLv2	System logging and kernel message trapping daemons
syslog-ng	Standalone apps/ libraries	3.2.5	GPLv2 LGPLv2	Syslog replacement daemon
tar	Standalone apps/ libraries	1.15.1	GPLv2	A GNU file archiving program
tcpdump	Standalone apps/ libraries	3.9.4	BSD	A network traffic monitoring tool
termcap	Configuration Files	5.5	Public Domain	The terminal feature database used by certain applications
tftp	Standalone apps/ libraries	0.48	BSD	The client for Trivial FTP (TFTP)
traceroute	Standalone apps/ libraries	2.0.1	GPLv2	Traces the route taken by packets over an IPv4/IPv6 network

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
tzdata	Configuration files	2011l	Public domain	Time-zone data
udev	Standalone apps/ libraries	127	GPLv2	Device manager for device nodes and user space events (improved functionality over `devfs`)
util-linux	Standalone apps/ libraries	2.13	GPLv2	A collection of basic system utilities
vim-minimal	Standalone apps/ libraries	7.0.109	Charityware	A minimal version of VIsual editor iMproved (VIM)
vixie-cron	Standalone apps/ libraries	4.1	ISC	The Vixie cron daemon for executing scheduled commands
wget	Standalone apps/ libraries	1.12	GPLv3	A utility for retrieving files using the HTTP or FTP protocols
xinetd	Standalone apps/ libraries	2.3.14	Distributable	A secure replacement for `inetd`
zlib	Shared library linkage	1.2.3	BSD	The zlib compression and decompression library

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Panorama 5.0 OSS Listing

NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
MAKEDEV	Standalone apps/ libraries	3.23	GPLv2	A program used for creating the device files in /dev
SysVinit	Standalone apps/ libraries	2.86	GPLv2	Programs which control basic system processes
basesystem		8	Public Domain	The skeleton package which defines a simple Red Hat Linux system
bash	Standalone apps/ libraries	3.1	GPLv2	The GNU Bourne Again shell (bash) version 3.1
beecrypt	OSS Shared library linkage	4.1.2	LGPLv2.1	An open source cryptography library
bind-libs	OSS Shared library linkage	9.3.3	ISC	Libraries used by the BIND DNS packages
bind-utils	Standalone apps/ libraries	9.3.3	ISC	Utilities for querying DNS name servers
bonnie++	Standalone apps/ libraries	1.03d	GPLv2	A program for benchmarking hard drives and file systems
bzip2	Standalone apps/ libraries	1.0.3	BSD	A file compression utility
bzip2-libs	OSS Shared library linkage	1.0.3	BSD	Libraries for applications using bzip2
chkconfig	Standalone apps/ libraries	1.3.30.1	GPLv2	A system tool for maintaining the /etc/rc*.d hierarchy
coreutils	Standalone apps/ libraries	5.97	GPLv2	The GNU core utilities: a set of tools commonly used in shell scripts
cpio	Standalone apps/ libraries	2.6	GPLv2	A GNU archiving program

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
cpp	Standalone apps/ libraries	4.1.1	GPLv2	The C Preprocessor
cracklib	OSS Shared library linkage	2.8.9	Artistic	A password-checking library
cracklib-dicts	Dictionaries used by cracklib	2.8.9	Artistic	The standard CrackLib password-checking dictionaries
crontabs	Root crontab files, used by system utilities	1.1	Public Domain	Root crontab files used to schedule the execution of programs
curl	Standalone apps/ libraries	7.20.1	MIT	Get and send files to a FTP, HTTP, TFTP, SSH or other servers
dhclient	Standalone apps/ libraries	3.0.5	Distributable	The ISC DHCP client for configuring network interfaces
diffutils	Standalone apps/ libraries	2.8.1	GPLv2	A GNU collection of diff utilities
e2fsprogs	Standalone apps/ libraries	1.39	GPLv2	Utilities for managing the second extended (ext2) file system
e2fsprogs-libs	OSS Shared library linkage	1.39	GPLv2	Ext2/3 file-system-specific static libraries and headers
e4fsprogs	Standalone apps/ libraries	1.41.12	GPLv2	Utilities for managing the fourth extended (ext4) file system
e4fsprogs-libs	OSS Shared library linkage	1.41.12	GPLv2	Ext4 file-system-specific static libraries and headers
elfutils-libelf	OSS Shared library linkage	0.128	GPLv2	Library to read and write ELF files
ethtool	Standalone apps/ libraries	5	GPLv2	Ethernet settings tool for PCI ethernet cards

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
expat	OSS Shared library linkage	1.95.8	BSD	A library for parsing XML
fastlz	Shared library linkage	0.1.0	FastLZ	A real-time compression library
file	Standalone apps/ libraries	4.17	Distributable	A utility for determining file types
filesystem	Standalone apps/ libraries	2.4.0	Distributable	The basic directory layout for a Linux system
findutils	Standalone apps/ libraries	4.2.27	GPLv2	The GNU versions of find utilities (find and xargs)
fipscheck	Standalone apps/ libraries	1.2.0	FreeBSD	A library for integrity verification of FIPS validated modules
fipscheck-lib	Standalone apps/ libraries	1.2.0	FreeBSD	Library files for fipscheck
gawk	Standalone apps/ libraries	3.1.5	GPLv2	The GNU version of the awk text processing utility
gdb	Standalone apps/ libraries	7.0.1	GPLv3+	A GNU source-level debugger for C, C++, Java and other languages
glib2	OSS Shared library linkage	2.12.3	LGPLv2	A library of useful utility functions
glibc	Shared library linkage	2.5	LGPLv2	The GNU libc libraries
glibc-common	Shared library linkage	2.5	LGPLv2	Common binaries and locale data for glibc
gmp	OSS Shared library linkage	4.3.1	LGPLv3	A GNU arbitrary precision library
gnupg	Standalone apps/ libraries	1.4.5	GPLv2	A GNU utility for secure communication and data storage

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
grep	Standalone apps/ libraries	2.5.1	GPLv2	The GNU versions of grep pattern matching utilities
grub	Standalone apps/ libraries	6.0.97	GPL	GRUB - the Grand Unified Boot Loader
gzip	Standalone apps/ libraries	1.3.5	GPLv2	The GNU data compression program
inetutils	Standalone apps/ libraries	1.5	GPLv3	Internet utilities
info	Standalone apps/ libraries	4.8	GPLv2	A stand-alone TTY-based reader for GNU Texinfo documentation
initscripts	Standalone apps/ libraries + startup and shutdown scripts	8.45.15	GPLv2	The inittab file and the /etc/ init.d scripts
ipmitool	Standalone apps/ libraries	1.8.11	BSD-like	Open source Intelligent Platform Management Interface (IPMI) utilities and scripts
iproute	Standalone apps/ libraries	2.6.18	GPLv2	Advanced IP routing and network device configuration tools
iptables	Standalone apps/ libraries	1.3.5	GPLv2	Tools for managing Linux kernel packet filtering capabilities
iptables-ipv6	Standalone apps/ libraries	1.3.5	GPLv2	IPv6 support for IP tables
iputils	Standalone apps/ libraries	20020927	GPLv2	Network monitoring tools including ping
irqbalance		1.13		IRQ balancing daemon
krb5-libs	Shared library linkage	1.8.1	MIT	The shared libraries used by Kerberos 5

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
krb5-workstation	Standalone apps/ libraries	1.8.1	MIT	Kerberos 5 programs for use on workstations
less	Standalone apps/ libraries	394	GPLv2	A text file browser similar to more, but better
leveldb	Shared library linkage	1.2	BSD	LevelDB library
libacl	OSS Shared library linkage	2.2.39	LGPLv2.1	Dynamic library for access control list support
libattr	OSS Shared library linkage	2.4.32	LGPLv2.1	Dynamic library for extended attribute support
libcurl4	Shared library linkage	7.20.1	MIT	The cURL library
libevent	OSS Shared library linkage	2.0.19	GPLv2	Abstract asynchronous event notification library
libgcc	Shared library linkage	4.1.1	LGPLv2	GCC version 4.1 shared support library
libgssapi	OSS Shared library linkage	0.1	BSD-like	Generic Security Services Application Programming Interface Library
libjpeg	OSS Shared library linkage	6b	IJG	A library for manipulating JPEG image format files
libpcap	Shared library linkage	0.9.4	BSD	A system-independent interface for user-level packet capture
libpng	Shared library linkage	1.2.44	OSI Certified (Zlib)	A library of functions for manipulating PNG image format files
libstdc++	Shared library linkage	4.1.1	GPL	GNU Standard C++ Library
libsysfs	OSS Shared library linkage	2.0.0	LGPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
libtecla	Shared library linkage	1.6.1	MIT/X11	The Tecla command-line editing library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libtermcap	Configuration Files	2.0.8	Public Domain	A basic system library for accessing the termcap database
libuser	OSS Shared library linkage	0.54.7	LGPLv2	A user and group account administration library
libvolume_id	OSS Shared library linkage	127	GPLv2	Dynamic libraries to get volume IDs
libxml2	Shared library linkage	2.6.30	MIT	Library providing XML and HTML support
libxml2-python	Standalone apps/ libraries	2.6.30	PSF	Python bindings for the libxml2 library
libxslt	Shared library linkage	1.1.22	MIT	Library providing the Gnome XSLT engine
Linux kernel	Operating System (OS) core	2.6.32	GPLv2.0	The core interface between the operating system and processes.
lockdev	Standalone apps/ libraries	1.0.1	LGPLv2.1	A library for locking devices
logrotate	Standalone apps/ libraries	3.7.4	GPLv2	Rotates, compresses, removes and mails system log files
m2crypto	Standalone apps/ libraries	0.16	BSD	Support for using OpenSSL in python scripts
mailx	Standalone apps/ libraries	8.1.1	BSD	The /bin/mail program for sending quick email messages
mdadm		2.6.9	GPL	Linux utility used to manage and monitor software RAID devices
mingetty	Standalone apps/ libraries	1.07	GPLv2	A compact getty program for virtual consoles only

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
mktemp	Standalone apps/ libraries	1.5	BSD	A small utility for safely making .TMP files
module-init-tools	Standalone apps/ libraries	3.3	GPLv2	Kernel module management utilities
ncurses	Shared library linkage	5.5	Distributable	A terminal handling library
net-snmp	Standalone apps/ libraries	5.4.4	BSD	Tools and servers for the SNMP protocol
net-tools	Standalone apps/ libraries	1.6	GPLv2	Basic networking tools
nfs-utils	Standalone apps/ libraries	1.0.9	GPLv2	Network File System (NFS) utilities and supporting clients and daemons for the kernel NFS server
nfs-utils-lib	OSS Shared library linkage	1.0.8	GPLv2	Network File System (NFS) Support Library
ntp	Standalone apps/ libraries	4.2.2p1	Distributable	Synchronizes system time using the Network Time Protocol (NTP)
openldap	Shared library linkage	2.4.23	OpenLDAP	The configuration files, libraries, and documentation for OpenLDAP
openldap-clients	Standalone apps/ libraries	2.4.23	OpenLDAP	Client programs for OpenLDAP
openssh	Standalone apps/ libraries	5.2p1	BSD	An open source implementation of SSH protocol versions 1 and 2
openssh-clients	Standalone apps/ libraries	5.2p1	BSD	An open source SSH client application
openssh-server	Standalone apps/ libraries	5.2p1	BSD	An open source SSH server daemon

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
openssl	Shared library linkage	0.9.8p	OpenSSL	A general purpose cryptography library with TLS implementation
pam	Shared library linkage	1.0.2	BSD	A security tool which provides authentication for applications
pam_krb5	Standalone apps/ libraries	2.2.14	MIT	A pluggable authentication module (PAM) for Kerberos 5
pam_ldap	OSS Shared library linkage	1.8.4	LGPLv3	A pluggable authentication module (PAM) for use with LDAP servers
panos-release	Base Linux OS version info for our systems	2	GPLv2	PAN-OS Linux release file
passwd	Standalone apps/ libraries	0.73	GPLv2	The passwd utility for setting/changing passwords using PAM
pcre	Shared library linkage	6.6	BSD	Perl-compatible regular expression library
pexpect	OSS libraries in interpreted scripts	2.3	MIT	Pexpect is a Pure Python Expect-like module
php-cli	Standalone apps/ libraries	5.3.9	PHP v3.01	Command-line interface for PHP server-side scripting language
popt	OSS Shared library linkage	1.12	MIT	A C library for parsing command line parameters
portmap	Standalone apps/ libraries	4	BSD	A program which manages remote procedure call (RPC) connections
procps	Standalone apps/ libraries	3.2.7	GPLv2	System and process monitoring utilities
psmisc	Standalone apps/ libraries	22.2	BSD	Utilities for managing processes on your system

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
python	Standalone apps/ libraries	2.4.3	PSF	An interpreted, interactive, object-oriented programming language
python-bloom	OSS libraries in interpreted scripts	0.1.12	BSD-like	Python implementation of bloom filter
python-elementtree	OSS libraries in interpreted scripts	1.2.6	PSF	Fast XML parser and writer
python-imaging	OSS libraries in interpreted scripts	1.1.5	Distributable	Python's own image processing library
python-sqlite	Shared library linkage	1.1.7	Public Domain	Python bindings for SQLite
python-urlgrabber	OSS libraries in interpreted scripts	3.1.0	LGPLv2.1	A high-level cross-protocol URL-grabber
rcs	Standalone apps/ libraries	5.7	GPLv2	Revision control system (RCS) file version management tools
readline	OSS Shared library linkage	5.1	GPLv2	A library for editing typed command lines
redhat-logos		4.9.8		Red Hat-related icons and pictures
reportlab	OSS libraries in interpreted scripts	2.2	BSD	Python PDF generation library
rootfiles	Standalone apps/ libraries	8.1	Distributable	The basic required files for the root user's directory
rpm	Standalone apps/ libraries	4.4.2	GPLv2	The Route Processing Module (RPM) package management system
rpm-libs	Standalone apps/ libraries	4.4.2	GPLv2	Libraries for manipulating Route Processing Module (RPM) packages
rpm-python	OSS libraries in interpreted scripts	4.4.2	GPLv2	Python bindings for apps which will manipulate Route

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
				Processing Module (RPM) packages
scrub	Standalone apps/ libraries	2.1	GPLv2	Disk scrubbing program
sed	Standalone apps/ libraries	4.1.5	GPLv2	A GNU stream text editor
setup		2.5.58	Public Domain	A set of system configuration and setup files
shadow-utils	Standalone apps/ libraries	4.0.17	BSD	Utilities for managing accounts and shadow password files
snappy	Shared library linkage	1.0.1	Apache 2.0	High-speed compression and decompression library
sqlite	Shared library linkage	3.6.12	Public Domain	Library that implements an embeddable SQLite in-process database engine
sshpass	Standalone apps/ libraries	1.05	BSD	Non-interactive SSH password provider
sysfsutils	Standalone apps/ libraries	2.0.0	GPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
sysklogd	Standalone apps/ libraries	1.4.1	GPLv2	System logging and kernel message trapping daemons
tar	Standalone apps/ libraries	1.15.1	GPLv2	A GNU file archiving program
tcpdump	Standalone apps/ libraries	3.9.4	BSD	A network traffic monitoring tool
termcap	Configuration Files	5.5	Public Domain	The terminal feature database used by certain applications
tftp	Standalone apps/ libraries	0.48	BSD	The client for Trivial FTP (TFTP)

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
traceroute	Standalone apps/ libraries	2.0.1	GPLv2	Traces the route taken by packets over an IPv4/IPv6 network
tzdata	Configuration files	2011l	Public domain	Time-zone data
udev	Standalone apps/ libraries	127	GPLv2	Device manager for device nodes and user space events (improved functionality over `devfs`)
util-linux	Standalone apps/ libraries	2.13	GPLv2	A collection of basic system utilities
vim-minimal	Standalone apps/ libraries	7.0.109	Charityware	A minimal version of VIsual editor iMproved (VIM)
vixie-cron	Standalone apps/ libraries	4.1	ISC	The Vixie cron daemon for executing scheduled commands
wget	Standalone apps/ libraries	1.12	GPLv3	A utility for retrieving files using the HTTP or FTP protocols
xinetd	Standalone apps/ libraries	2.3.14	Distributable	A secure replacement for `inetd`
zlib	Shared library linkage	1.2.3	BSD	The zlib compression and decompression library

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Panorama 4.1 OSS Listing

NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
MAKEDEV	Standalone apps/ libraries	3.23	GPLv2	A program used for creating the device files in /dev
SysVinit	Standalone apps/ libraries	2.86	GPLv2	Programs which control basic system processes
basesystem		8	Public Domain	The skeleton package which defines a simple Red Hat Linux system
bash	Standalone apps/ libraries	3.1	GPLv2	The GNU Bourne Again shell (bash) version 3.1
beecrypt	OSS Shared library linkage	4.1.2	LGPLv2.1	An open source cryptography library
bonnie++	Standalone apps/ libraries	1.03d	GPLv2	A program for benchmarking hard drives and file systems
bzip2	Standalone apps/ libraries	1.0.3	BSD	A file compression utility
bzip2-libs	OSS Shared library linkage	1.0.3	BSD	Libraries for applications using bzip2
chkconfig	Standalone apps/ libraries	1.3.30.1	GPLv2	A system tool for maintaining the /etc/rc*.d hierarchy
coreutils	Standalone apps/ libraries	5.97	GPLv2	The GNU core utilities: a set of tools commonly used in shell scripts
cpio	Standalone apps/ libraries	2.6	GPLv2	A GNU archiving program
cpp	Standalone apps/ libraries	4.1.1	GPLv2	The C Preprocessor
cracklib	OSS Shared library linkage	2.8.9	Artistic	A password-checking library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
cracklib-dicts	Dictionaries used by cracklib	2.8.9	Artistic	The standard CrackLib password-checking dictionaries
crontabs	Root crontab files, used by system utilities	1.1	Public Domain	Root crontab files used to schedule the execution of programs
curl	Standalone apps/ libraries	7.20.1	MIT	Get and send files to a FTP, HTTP, TFTP, SSH or other servers
dhclient	Standalone apps/ libraries	3.0.5	Distributable	The ISC DHCP client for configuring network interfaces
diffutils	Standalone apps/ libraries	2.8.1	GPLv2	A GNU collection of diff utilities
e2fsprogs	Standalone apps/ libraries	1.39	GPLv2	Utilities for managing the second extended (ext2) file system
e2fsprogs-libs	OSS Shared library linkage	1.39	GPLv2	Ext2/3 file-system-specific static libraries and headers
elfutils-libelf	OSS Shared library linkage	0.128	GPLv2	Library to read and write ELF files
ethtool	Standalone apps/ libraries	5	GPLv2	Ethernet settings tool for PCI ethernet cards
expat	OSS Shared library linkage	1.95.8	BSD	A library for parsing XML
fastlz	Shared library linkage	0.1.0	FastLZ	A real-time compression library
file	Standalone apps/ libraries	4.17	Distributable	A utility for determining file types
filesystem	Standalone apps/ libraries	2.4.0	Distributable	The basic directory layout for a Linux system

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
findutils	Standalone apps/ libraries	4.2.27	GPLv2	The GNU versions of find utilities (find and xargs)
fipscheck	Standalone apps/ libraries	1.2.0	FreeBSD	A library for integrity verification of FIPS validated modules
fipscheck-lib	Standalone apps/ libraries	1.2.0	FreeBSD	Library files for fipscheck
gawk	Standalone apps/ libraries	3.1.5	GPLv2	The GNU version of the awk text processing utility
gdb	Standalone apps/ libraries	7.0.1	GPLv3+	A GNU source-level debugger for C, C++, Java and other languages
glib2	OSS Shared library linkage	2.12.3	LGPLv2	A library of useful utility functions
glibc	Shared library linkage	2.5	LGPLv2	The GNU libc libraries
glibc-common	Shared library linkage	2.5	LGPLv2	Common binaries and locale data for glibc
gmp	OSS Shared library linkage	4.3.1	LGPLv3	A GNU arbitrary precision library
gnupg	Standalone apps/ libraries	1.4.5	GPLv2	A GNU utility for secure communication and data storage
grep	Standalone apps/ libraries	2.5.1	GPLv2	The GNU versions of grep pattern matching utilities
grub	Standalone apps/ libraries	6.0.97	GPL	GRUB - the Grand Unified Boot Loader
gzip	Standalone apps/ libraries	1.3.5	GPLv2	The GNU data compression program
inetutils	Standalone apps/ libraries	1.5	GPLv3	Internet utilities

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
info	Standalone apps/ libraries	4.8	GPLv2	A stand-alone TTY-based reader for GNU Texinfo documentation
initscripts	Standalone apps/ libraries + startup and shutdown scripts	8.45.15	GPLv2	The inittab file and the /etc/ init.d scripts
iproute	Standalone apps/ libraries	2.6.18	GPLv2	Advanced IP routing and network device configuration tools
iptables	Standalone apps/ libraries	1.3.5	GPLv2	Tools for managing Linux kernel packet filtering capabilities
iptables-ipv6	Standalone apps/ libraries	1.3.5	GPLv2	IPv6 support for IP tables
iputils	Standalone apps/ libraries	20020927	GPLv2	Network monitoring tools including ping
krb5-libs	Shared library linkage	1.8.1	MIT	The shared libraries used by Kerberos 5
less	Standalone apps/ libraries	394	GPLv2	A text file browser similar to more, but better
libacl	OSS Shared library linkage	2.2.39	LGPLv2.1	Dynamic library for access control list support
libattr	OSS Shared library linkage	2.4.32	LGPLv2.1	Dynamic library for extended attribute support
libcurl4	Shared library linkage	7.20.1	MIT	The cURL library
libevent	OSS Shared library linkage	1.1a	GPLv2	Abstract asynchronous event notification library
libgcc	Shared library linkage	4.1.1	LGPLv2	GCC version 4.1 shared support library
libgssapi	OSS Shared library linkage	0.1	BSD-like	Generic Security Services Application Programming Interface Library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libjpeg	OSS Shared library linkage	6b	IJG	A library for manipulating JPEG image format files
libpcap	Shared library linkage	0.9.4	BSD	A system-independent interface for user-level packet capture
libpng	Shared library linkage	1.2.44	OSI Certified (Zlib)	A library of functions for manipulating PNG image format files
libstdc++	Shared library linkage	4.1.1	GPL	GNU Standard C++ Library
libsysfs	OSS Shared library linkage	2.0.0	LGPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
libtecla	Shared library linkage	1.6.1	MIT/X11	The Tecla command-line editing library
libtermcap	Configuration Files	2.0.8	Public Domain	A basic system library for accessing the termcap database
libuser	OSS Shared library linkage	0.54.7	LGPLv2	A user and group account administration library
libvolume_id	OSS Shared library linkage	127	GPLv2	Dynamic libraries to get volume IDs
libxml2	Shared library linkage	2.6.30	MIT	Library providing XML and HTML support
libxml2-python	Standalone apps/ libraries	2.6.30	PSF	Python bindings for the libxml2 library
libxslt	Shared library linkage	1.1.22	MIT	Library providing the Gnome XSLT engine
lockdev	Standalone apps/ libraries	1.0.1	LGPLv2.1	A library for locking devices
logrotate	Standalone apps/ libraries	3.7.4	GPLv2	Rotates, compresses, removes and mails system log files

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
m2crypto	Standalone apps/ libraries	0.16	BSD	Support for using OpenSSL in python scripts
mailx	Standalone apps/ libraries	8.1.1	BSD	The /bin/mail program for sending quick email messages
mingetty	Standalone apps/ libraries	1.07	GPLv2	A compact getty program for virtual consoles only
mktemp	Standalone apps/ libraries	1.5	BSD	A small utility for safely making .TMP files
module-init-tools	Standalone apps/ libraries	3.3	GPLv2	Kernel module management utilities
ncurses	Shared library linkage	5.5	Distributable	A terminal handling library
net-snmp	Standalone apps/ libraries	5.4.4	BSD	Tools and servers for the SNMP protocol
net-tools	Standalone apps/ libraries	1.6	GPLv2	Basic networking tools
nfs-utils	Standalone apps/ libraries	1.0.9	GPLv2	Network File System (NFS) utilities and supporting clients and daemons for the kernel NFS server
nfs-utils-lib	OSS Shared library linkage	1.0.8	GPLv2	Network File System (NFS) Support Library
ntp	Standalone apps/ libraries	4.2.2p1	Distributable	Synchronizes system time using the Network Time Protocol (NTP)
openldap	Shared library linkage	2.4.23	OpenLDAP	The configuration files, libraries, and documentation for OpenLDAP
openldap-clients	Standalone apps/ libraries	2.4.23	OpenLDAP	Client programs for OpenLDAP

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
openssh	Standalone apps/ libraries	5.2p1	BSD	An open source implementation of SSH protocol versions 1 and 2
openssh-clients	Standalone apps/ libraries	5.2p1	BSD	An open source SSH client application
openssh-server	Standalone apps/ libraries	5.2p1	BSD	An open source SSH server daemon
openssl	Shared library linkage	0.9.8p	OpenSSL	A general purpose cryptography library with TLS implementation
pam	Shared library linkage	1.0.2	BSD	A security tool which provides authentication for applications
pam_krb5	Standalone apps/ libraries	2.2.14	MIT	A pluggable authentication module (PAM) for Kerberos 5
pam_ldap	OSS Shared library linkage	1.8.4	LGPLv3	A pluggable authentication module (PAM) for use with LDAP servers
panos-release	Base Linux OS version info for our systems	2	GPLv2	PAN-OS Linux release file
passwd	Standalone apps/ libraries	0.73	GPLv2	The passwd utility for setting/changing passwords using PAM
pcre	Shared library linkage	6.6	BSD	Perl-compatible regular expression library
pexpect	OSS libraries in interpreted scripts	2.3	MIT	Pexpect is a Pure Python Expect-like module
php-cli	Standalone apps/ libraries	5.3.9	PHP v3.01	Command-line interface for PHP server-side scripting language
popt	OSS Shared library linkage	1.12	MIT	A C library for parsing command line parameters

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
portmap	Standalone apps/ libraries	4	BSD	A program which manages remote procedure call (RPC) connections
procps	Standalone apps/ libraries	3.2.7	GPLv2	System and process monitoring utilities
psmisc	Standalone apps/ libraries	22.2	BSD	Utilities for managing processes on your system
python	Standalone apps/ libraries	2.4.3	PSF	An interpreted, interactive, object-oriented programming language
python-bloom	OSS libraries in interpreted scripts	0.1.12	BSD-like	Python implementation of bloom filter
python-elementtree	OSS libraries in interpreted scripts	1.2.6	PSF	Fast XML parser and writer
python-imaging	OSS libraries in interpreted scripts	1.1.5	Distributable	Python's own image processing library
python-sqlite	Shared library linkage	1.1.7	Public Domain	Python bindings for SQLite
python-urlgrabber	OSS libraries in interpreted scripts	3.1.0	LGPLv2.1	A high-level cross-protocol URL-grabber
rcs	Standalone apps/ libraries	5.7	GPLv2	Revision control system (RCS) file version management tools
readline	OSS Shared library linkage	5.1	GPLv2	A library for editing typed command lines
redhat-logos		4.9.8		Red Hat-related icons and pictures
reportlab	OSS libraries in interpreted scripts	2.2	BSD	Python PDF generation library
rootfiles	Standalone apps/ libraries	8.1	Distributable	The basic required files for the root user's directory

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
rpm	Standalone apps/ libraries	4.4.2	GPLv2	The Route Processing Module (RPM) package management system
rpm-libs	Standalone apps/ libraries	4.4.2	GPLv2	Libraries for manipulating Route Processing Module (RPM) packages
rpm-python	OSS libraries in interpreted scripts	4.4.2	GPLv2	Python bindings for apps which will manipulate Route Processing Module (RPM) packages
scrub	Standalone apps/ libraries	2.1	GPLv2	Disk scrubbing program
sed	Standalone apps/ libraries	4.1.5	GPLv2	A GNU stream text editor
setup		2.5.58	Public Domain	A set of system configuration and setup files
shadow-utils	Standalone apps/ libraries	4.0.17	BSD	Utilities for managing accounts and shadow password files
snappy	Shared library linkage	1.0.1	Apache 2.0	High-speed compression and decompression library
sqlite	Shared library linkage	3.6.12	Public Domain	Library that implements an embeddable SQLite in-process database engine
sysfsutils	Standalone apps/ libraries	2.0.0	GPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
sysklogd	Standalone apps/ libraries	1.4.1	GPLv2	System logging and kernel message trapping daemons
tar	Standalone apps/ libraries	1.15.1	GPLv2	A GNU file archiving program
tcpdump	Standalone apps/ libraries	3.9.4	BSD	A network traffic monitoring tool

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
termcap	Configuration Files	5.5	Public Domain	The terminal feature database used by certain applications
tftp	Standalone apps/ libraries	0.48	BSD	The client for Trivial FTP (TFTP)
traceroute	Standalone apps/ libraries	2.0.1	GPLv2	Traces the route taken by packets over an IPv4/IPv6 network
tzdata	Configuration files	2011l	Public domain	Time-zone data
udev	Standalone apps/ libraries	127	GPLv2	Device manager for device nodes and user space events (improved functionality over `devfs`)
util-linux	Standalone apps/ libraries	2.13	GPLv2	A collection of basic system utilities
vim-minimal	Standalone apps/ libraries	7.0.109	Charityware	A minimal version of VIsual editor iMproved (VIM)
vixie-cron	Standalone apps/ libraries	4.1	ISC	The Vixie cron daemon for executing scheduled commands
wget	Standalone apps/ libraries	1.12	GPLv3	A utility for retrieving files using the HTTP or FTP protocols
xinetd	Standalone apps/ libraries	2.3.14	Distributable	A secure replacement for `inetd`
zlib	Shared library linkage	1.2.3	BSD	The zlib compression and decompression library

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Panorama 4.0 OSS Listing

NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
MAKEDEV	Standalone apps/ libraries	3.23	GPLv2	A program used for creating the device files in /dev
SysVinit	Standalone apps/ libraries	2.86	GPLv2	Programs which control basic system processes
appweb		2.4.2		Mbedthis AppWeb -- Embeddable HTTP Web Server
basesystem		8	Public Domain	The skeleton package which defines a simple Red Hat Linux system
bash	Standalone apps/ libraries	3.1	GPLv2	The GNU Bourne Again shell (bash) version 3.1
beecrypt	OSS Shared library linkage	4.1.2	LGPLv2.1	An open source cryptography library
bonnie++	Standalone apps/ libraries	1.03d	GPLv2	A program for benchmarking hard drives and file systems
bzip2	Standalone apps/ libraries	1.0.3	BSD	A file compression utility
bzip2-libs	OSS Shared library linkage	1.0.3	BSD	Libraries for applications using bzip2
chkconfig	Standalone apps/ libraries	1.3.30.1	GPLv2	A system tool for maintaining the /etc/rc*.d hierarchy
coreutils	Standalone apps/ libraries	5.97	GPLv2	The GNU core utilities: a set of tools commonly used in shell scripts
cpio	Standalone apps/ libraries	2.6	GPLv2	A GNU archiving program

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
cpp	Standalone apps/ libraries	4.1.1	GPLv2	The C Preprocessor
cracklib	OSS Shared library linkage	2.8.9	Artistic	A password-checking library
cracklib-dicts	Dictionaries used by cracklib	2.8.9	Artistic	The standard CrackLib password-checking dictionaries
crontabs	Root crontab files, used by system utilities	1.1	Public Domain	Root crontab files used to schedule the execution of programs
curl	Standalone apps/ libraries	7.20.1	MIT	Get and send files to a FTP, HTTP, TFTP, SSH or other servers
dhclient	Standalone apps/ libraries	3.0.5	Distributable	Development headers and libraries for interfacing to the DHCP server
diffutils	Standalone apps/ libraries	2.8.1	GPLv2	A GNU collection of diff utilities
e2fsprogs	Standalone apps/ libraries	1.39	GPLv2	Utilities for managing the second extended (ext2) file system
e2fsprogs-libs	OSS Shared library linkage	1.39	GPLv2	Ext2/3 file-system-specific static libraries and headers
elfutils-libelf	OSS Shared library linkage	0.128	GPLv2	Library to read and write ELF files
ethtool	Standalone apps/ libraries	5	GPLv2	Ethernet settings tool for PCI ethernet cards
expat	OSS Shared library linkage	1.95.8	BSD	A library for parsing XML
file	Standalone apps/ libraries	4.17	Distributable	A utility for determining file types

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
filesystem	Standalone apps/ libraries	2.4.0	Distributable	The basic directory layout for a Linux system
findutils	Standalone apps/ libraries	4.2.27	GPLv2	The GNU versions of find utilities (find and xargs)
fipscheck	Standalone apps/ libraries	1.2.0	FreeBSD	A library for integrity verification of FIPS validated modules
fipscheck-lib	Standalone apps/ libraries	1.2.0	FreeBSD	Library files for fipscheck
gawk	Standalone apps/ libraries	3.1.5	GPLv2	The GNU version of the awk text processing utility
gdb	Standalone apps/ libraries	6.5	GPLv3+	A GNU source-level debugger for C, C++ and other languages
glib2	OSS Shared library linkage	2.12.3	LGPLv2	A library of useful utility functions
glibc	Shared library linkage	2.5	LGPLv2	The GNU libc libraries
glibc-common	Shared library linkage	2.5	LGPLv2	Common binaries and locale data for glibc
gmp	OSS Shared library linkage	4.3.1	LGPLv3	A GNU arbitrary precision library
gnupg	Standalone apps/ libraries	1.4.5	GPLv2	A GNU utility for secure communication and data storage
grep	Standalone apps/ libraries	2.5.1	GPLv2	The GNU versions of grep pattern matching utilities
grub	Standalone apps/ libraries	6.0.97	GPL	GRUB - the Grand Unified Boot Loader
gzip	Standalone apps/ libraries	1.3.5	GPLv2	The GNU data compression program

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
inetutils	Standalone apps/ libraries	1.5	GPLv3	Internet utilities
info	Standalone apps/ libraries	4.8	GPLv2	A stand-alone TTY-based reader for GNU Texinfo documentation
initscripts	Standalone apps/ libraries + startup and shutdown scripts	8.45.15	GPLv2	The inittab file and the /etc/ init.d scripts
iproute	Standalone apps/ libraries	2.6.18	GPLv2	Advanced IP routing and network device configuration tools
iptables	Standalone apps/ libraries	1.3.5	GPLv2	Tools for managing Linux kernel packet filtering capabilities
iptables-ipv6	Standalone apps/ libraries	1.3.5	GPLv2	IPv6 support for IP tables
iputils	Standalone apps/ libraries	20020927	GPLv2	Network monitoring tools including ping
krb5-libs	Shared library linkage	1.8.1	MIT	The shared libraries used by Kerberos 5
less	Standalone apps/ libraries	394	GPLv2	A text file browser similar to more, but better
libacl	OSS Shared library linkage	2.2.39	LGPLv2.1	Dynamic library for access control list support
libattr	OSS Shared library linkage	2.4.32	LGPLv2.1	Dynamic library for extended attribute support
libcurl4	Shared library linkage	7.20.1	MIT	The cURL library
libevent	OSS Shared library linkage	1.1a	GPLv2	Abstract asynchronous event notification library
libgcc	Shared library linkage	4.1.1	LGPLv2	GCC version 4.1 shared support library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libgssapi	OSS Shared library linkage	0.1	BSD-like	Generic Security Services Application Programming Interface Library
libjpeg	OSS Shared library linkage	6b	IJG	A library for manipulating JPEG image format files
libpcap	Shared library linkage	0.9.4	BSD	A system-independent interface for user-level packet capture
libstdc++	Shared library linkage	4.1.1	GPL	GNU Standard C++ Library
libsysfs	OSS Shared library linkage	2.0.0	LGPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
libtecla	Shared library linkage	1.6.1	MIT/X11	The Tecla command-line editing library
libtermcap	Configuration Files	2.0.8	Public Domain	A basic system library for accessing the termcap database
libuser	OSS Shared library linkage	0.54.7	LGPLv2	A user and group account administration library
libvolume_id	OSS Shared library linkage	127	GPLv2	Dynamic libraries to get volume IDs
libxml2	Shared library linkage	2.6.30	MIT	Library providing XML and HTML support
libxml2-python	Standalone apps/ libraries	2.6.30	PSF	Python bindings for the libxml2 library
libxslt	Shared library linkage	1.1.22	MIT	Library providing the Gnome XSLT engine
lockdev	Standalone apps/ libraries	1.0.1	LGPLv2.1	A library for locking devices
logrotate	Standalone apps/ libraries	3.7.4	GPLv2	Rotates, compresses, removes and mails system log files

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
m2crypto	Standalone apps/ libraries	0.16	BSD	Support for using OpenSSL in python scripts
mailx	Standalone apps/ libraries	8.1.1	BSD	The /bin/mail program for sending quick email messages
mingetty	Standalone apps/ libraries	1.07	GPLv2	A compact getty program for virtual consoles only
mktemp	Standalone apps/ libraries	1.5	BSD	A small utility for safely making .TMP files
module-init-tools	Standalone apps/ libraries	3.3	GPLv2	Kernel module management utilities
ncurses	Shared library linkage	5.5	Distributable	A terminal handling library
net-snmp	Standalone apps/ libraries	5.4.4	BSD	Tools and servers for the SNMP protocol
net-tools	Standalone apps/ libraries	1.6	GPLv2	Basic networking tools
nfs-utils	Standalone apps/ libraries	1.0.9	GPLv2	Network File System (NFS) utilities and supporting clients and daemons for the kernel NFS server
nfs-utils-lib	OSS Shared library linkage	1.0.8	GPLv2	Network File System (NFS) Support Library
ntp	Standalone apps/ libraries	4.2.2p1	Distributable	Synchronizes system time using the Network Time Protocol (NTP)
openldap	Shared library linkage	2.4.12	OpenLDAP	The configuration files, libraries, and documentation for OpenLDAP
openssh	Standalone apps/ libraries	5.2p1	BSD	An open source implementation of SSH protocol versions 1 and 2

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
openssh-clients	Standalone apps/ libraries	5.2p1	BSD	An open source SSH client application
openssh-server	Standalone apps/ libraries	5.2p1	BSD	An open source SSH server daemon
openssl	Shared library linkage	0.9.8p	OpenSSL	A general purpose cryptography library with TLS implementation
pam	Shared library linkage	1.0.2	BSD	A security tool which provides authentication for applications
pam_krb5	Standalone apps/ libraries	2.2.14	MIT	A pluggable authentication module (PAM) for Kerberos 5
pam_ldap	OSS Shared library linkage	1.8.4	LGPLv3	A pluggable authentication module (PAM) for use with LDAP servers
panos-release	Base Linux OS version info for our systems	2	GPLv2	PAN-OS Linux release file
passwd	Standalone apps/ libraries	0.73	GPLv2	The passwd utility for setting/changing passwords using PAM
pcre	Shared library linkage	6.6	BSD	Perl-compatible regular expression library
pexpect	OSS libraries in interpreted scripts	2.3	MIT	Pexpect is a Pure Python Expect-like module
php-cli	Standalone apps/ libraries	5.3.2	PHP v3.01	Command-line interface for PHP server-side scripting language
popt	OSS Shared library linkage	1.12	MIT	A C library for parsing command line parameters
portmap	Standalone apps/ libraries	4	BSD	A program which manages remote procedure call (RPC) connections

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
procps	Standalone apps/ libraries	3.2.7	GPLv2	System and process monitoring utilities
psmisc	Standalone apps/ libraries	22.2	BSD	Utilities for managing processes on your system
python	Standalone apps/ libraries	2.4.3	PSF	An interpreted, interactive, object-oriented programming language
python-bloom	OSS libraries in interpreted scripts	0.1.12	BSD-like	Python implementation of bloom filter
python-elementtree	OSS libraries in interpreted scripts	1.2.6	PSF	Fast XML parser and writer
python-imaging	OSS libraries in interpreted scripts	1.1.5	Distributable	Python's own image processing library
python-sqlite	Shared library linkage	1.1.7	Public Domain	Python bindings for SQLite
python-urlgrabber	OSS libraries in interpreted scripts	3.1.0	LGPLv2.1	A high-level cross-protocol URL-grabber
rcs	Standalone apps/ libraries	5.7	GPLv2	Revision control system (RCS) file version management tools
readline	OSS Shared library linkage	5.1	GPLv2	A library for editing typed command lines
redhat-logos		4.9.8		Red Hat-related icons and pictures
reportlab	OSS libraries in interpreted scripts	2.2	BSD	Python PDF generation library
rootfiles	Standalone apps/ libraries	8.1	Distributable	The basic required files for the root user's directory
rpm	Standalone apps/ libraries	4.4.2	GPLv2	The Route Processing Module (RPM) package management system

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
rpm-libs	Standalone apps/ libraries	4.4.2	GPLv2	Libraries for manipulating Route Processing Module (RPM) packages
rpm-python	OSS libraries in interpreted scripts	4.4.2	GPLv2	Python bindings for apps which will manipulate Route Processing Module (RPM) packages
scrub	Standalone apps/ libraries	2.1	GPLv2	Disk scrubbing program
sed	Standalone apps/ libraries	4.1.5	GPLv2	A GNU stream text editor
setup		2.5.58	Public Domain	A set of system configuration and setup files
shadow-utils	Standalone apps/ libraries	4.0.17	BSD	Utilities for managing accounts and shadow password files
sqlite	Shared library linkage	3.6.12	Public Domain	Library that implements an embeddable SQLite in-process database engine
sysfsutils	Standalone apps/ libraries	2.0.0	GPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
sysklogd	Standalone apps/ libraries	1.4.1	GPLv2	System logging and kernel message trapping daemons
tar	Standalone apps/ libraries	1.15.1	GPLv2	A GNU file archiving program
tcpdump	Standalone apps/ libraries	3.9.4	BSD	A network traffic monitoring tool
termcap	Configuration Files	5.5	Public Domain	The terminal feature database used by certain applications
tftp	Standalone apps/ libraries	0.48	BSD	The client for Trivial FTP (TFTP)

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
traceroute	Standalone apps/ libraries	2.0.1	GPLv2	Traces the route taken by packets over an IPv4/IPv6 network
tzdata	Configuration files	2009u	Public domain	Time-zone data
udev	Standalone apps/ libraries	127	GPLv2	Device manager for device nodes and user space events (improved functionality over `devfs`)
util-linux	Standalone apps/ libraries	2.13	GPLv2	A collection of basic system utilities
vim-minimal	Standalone apps/ libraries	7.0.109	Charityware	A minimal version of VIsual editor iMproved (VIM)
vixie-cron	Standalone apps/ libraries	4.1	ISC	The Vixie cron daemon for executing scheduled commands
wget	Standalone apps/ libraries	1.12	GPLv3	A utility for retrieving files using the HTTP or FTP protocols
xinetd	Standalone apps/ libraries	2.3.14	Distributable	A secure replacement for `inetd`
zlib	Shared library linkage	1.2.3	BSD	The zlib compression and decompression library

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WildFire OSS Listings

The following sections display Open-Source Software (OSS) licenses specific to each PAN-OS® feature release for WildFire® appliances.

These listings capture the component versions found in the most recent maintenance release of each software version. Whenever possible, Palo Alto Networks recommends that you upgrade to the latest maintenance release for the version you are running on your appliances because each maintenance release contains additional enhancements and bug fixes as well updates that address security vulnerabilities. If you are not able to upgrade to the latest version, you should consult the PAN-OS release notes for the version you are running to determine whether there are component updates in later versions.

- WildFire 11.2 OSS Listing
- WildFire 11.1 OSS Listing
- WildFire 11.0 OSS Listing
- WildFire 10.2 OSS Listing
- WildFire 10.1 OSS Listing
- WildFire 10.0 OSS Listing
- WildFire 9.1 OSS Listing
- WildFire 9.0 OSS Listing
- WildFire 8.1 OSS Listing
- WildFire 8.0 OSS Listing
- WildFire 7.1 OSS Listing
- WildFire 7.0 OSS Listing
- WildFire 6.1 OSS Listing
- WildFire 6.0 OSS Listing

WildFire 11.2 OSS Listing

NAME	VERSION	LICENSE TYPE
acl	2.2.53	GPLv2+
appliance	1.40.1	gpl
apr	1.6.3	ASL 2.0 and BSD with advertising and ISC and BSD
apr-util	1.6.1	ASL 2.0
attr	2.4.48	GPLv2+
audit	3	GPLv2+
audit-libs	3	LGPLv2+
augeas-libs	1.12.0	LGPLv2+
basesystem	11	Public Domain
bash	4.4.19	GPLv3+
beecrypt	4.2.1	LGPLv2+
bind	9.11.36	MPLv2.0
bind-export-libs	9.11.36	MPLv2.0
bind-libs	9.11.36	MPLv2.0
bind-libs-lite	9.11.36	MPLv2.0
bind-license	9.11.36	MPLv2.0
bind-utils	9.11.36	MPLv2.0
binutils	2.3	GPLv3+
bonnie++	1.98	GPLv2
boost-program-options	1.66.0	Boost and MIT and Python
bridge-utils	1.6	GPLv2+
brotli	1.0.6	MIT

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NAME	VERSION	LICENSE TYPE
bzip2	1.0.6	BSD
bzip2-libs	1.0.6	BSD
checkpolicy	2.9	GPLv2
chicken	3.0.0	BSD
chkconfig	1.13	GPLv2
cjson	1	MIT and ASL 2.0
consul	1.11.4	Mozilla Public License, v2.0
coreutils	8.3	GPLv3+
coreutils-common	8.3	GPLv3+
cpio	2.12	GPLv3+
cpp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
cracklib	2.9.6	LGPLv2+
cracklib-dicts	2.9.6	LGPLv2+
crontabs	1.11	Public Domain and GPLv2
crypto-policies	20200713	LGPLv2+
crypto-policies-scripts	20200713	LGPLv2+
curl-minimal	7.61.1	MIT
davici	1.3.0	LGPLv2.1+
dejavu-fonts-common	2.35	Bitstream Vera and Public Domain
dejavu-sans-fonts	2.35	Bitstream Vera and Public Domain
device-mapper	1.02.171	GPLv2
device-mapper-event	1.02.171	GPLv2
device-mapper-event-libs	1.02.171	LGPLv2

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NAME	VERSION	LICENSE TYPE
device-mapper-libs	1.02.171	LGPLv2
dhcp-client	4.3.6	ISC
dhcp-common	4.3.6	ISC
dhcp-devel	4.3.6	ISC
dhcp-libs	4.3.6	ISC
diffutils	3.6	GPLv3+
dosfstools	4.1	GPLv3+
dpkt	1.9.5	BSD
dracut	49	GPLv2+ and LGPLv2+
e2fsprogs	1.45.6	GPLv2
e2fsprogs-libs	1.45.6	GPLv2 and LGPLv2
efitools	1.9.2	GPLv2
efivar	37	LGPL-2.1
efivar-libs	37	LGPL-2.1
elfutils-default-yama-scope	0.18	GPLv2+ or LGPLv3+
elfutils-libelf	0.18	GPLv2+ or LGPLv3+
elfutils-libs	0.18	GPLv2+ or LGPLv3+
erlang	22.0.7	ASL 2.0
ethtool	5	GPLv2
eventlog	0.2.12	BSD-like
expat	2.2.5	MIT
fastlz	0.1.0	MIT
file	5.33	BSD
file-libs	5.33	BSD

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NAME	VERSION	LICENSE TYPE
filesystem	3.8	Public Domain
findutils	4.6.0	GPLv3+
fipscheck	1.5.0	BSD
fipscheck-lib	1.5.0	BSD
flatcc	0.6.1	Apache License Version 2.0
fontconfig	2.13.1	MIT and Public Domain and UCD
fontpackages-filesystem	1.44	Public Domain
freetype	2.9.1	(FTL or GPLv2+) and BSD and MIT and Public Domain and zlib with acknowledgement
fuse	2.9.7	GPL+
fuse-common	3.2.1	GPL+
fuse-libs	2.9.7	LGPLv2+
gawk	4.2.1	GPLv3+ and GPLv2+ and LGPLv2+ and BSD
gc	7.6.4	BSD
gdb	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL + and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdb-headless	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL + and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdbm	1.18	GPLv3+
gdbm-libs	1.18	GPLv3+
gdisk	1.0.3	GPLv2
gearman3	0.2.0	Apache / MIT
gearmand	1.1.19.1	BSD
glib2	2.56.4	LGPLv2+

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NAME	VERSION	LICENSE TYPE
glibc	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-common	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-langpack-en	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
gmp	6.1.2	LGPLv3+ or GPLv2+
gnupg2	2.2.20	GPLv3+
gnutls	3.6.16	GPLv3+ and LGPLv2+
gperftools-devel	2.4	BSD
gperftools-libs	2.4	BSD
gpgme	1.13.1	LGPLv2+
grep	3.1	GPLv3+
grub	6.0.97	GPL
grub-cfg	11.2.5.1	GPL
grub2-noraid-efi-x64	2.02	GPLv3+
gsoap	2.8.6	gsoap
guile	2.0.14	LGPLv3+
gzip	1.9	GPLv3+ and GFDL
hexedit	1.2.13	GPLv2+
hiredis	1.0.2	BSD
hivex	1.3.18	LGPLv2
hostname	3.2	GPLv2+

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NAME	VERSION	LICENSE TYPE
httpd	2.4.37	ASL 2.0
httpd-filesystem	2.4.37	ASL 2.0
httpd-tools	2.4.37	ASL 2.0
hwdata	0.314	GPLv2+
ima-evm-utils	1.1	GPLv2
info	6.5	GPLv3+
initscripts	8.45.17	GPL
ipcalc	0.2.4	GPLv2+
ipmitool	1.8.18	BSD
iproute	5.3.0	GPLv2+ and Public Domain
iptables	1.8.4	GPLv2 and Artistic 2.0 and ISC
iptables-libs	1.8.4	GPLv2 and Artistic 2.0 and ISC
iptables-utils	1.8.4	GPLv2 and Artistic 2.0 and ISC
iputils	20180629	BSD and GPLv2+
irqbalance	1.4.0	GPLv2
ivykis	0.42.4	LGPLv2+
jansson	2.11	MIT
jre	1.8.0_201	Oracle Binary Code License Agreement For JRE
json-c	0.13.1	MIT
kernel-core	4.18.0	GPLv2 and Redistributable, no modification permitted
kernel-modules	4.18.0	GPLv2 and Redistributable, no modification permitted
keyutils	1.5.10	GPLv2+ and LGPLv2+
keyutils-libs	1.5.10	GPLv2+ and LGPLv2+

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NAME	VERSION	LICENSE TYPE
kmod	25	GPLv2+
kmod-libs	25	LGPLv2+
krb5-libs	1.18.2	MIT
krb5-workstation	1.18.2	MIT
lcms2	2.9	MIT
less	530	GPLv3+ or BSD
leveldb	1.22	BSD
libacl	2.2.53	LGPLv2+
libaio	0.3.112	LGPLv2+
libarchive	3.3.2	BSD
libassuan	2.5.1	LGPLv2+ and GPLv3+
libatomic_ops	7.6.2	GPLv2 and MIT
libattr	2.4.48	LGPLv2+
libbabeltrace	1.5.4	MIT and GPLv2
libblkid	2.32.1	LGPLv2+
libbson	1.17.6	ASL 2.0 and ISC and MIT and zlib
libcap	2.48	BSD or GPLv2
libcap-ng	0.7.9	LGPLv2+
libcom_err	1.45.6	MIT
libcurl-minimal	7.61.1	MIT
libdb	5.3.28	BSD and LGPLv2 and Sleepycat
libdb-utils	5.3.28	BSD and LGPLv2 and Sleepycat
libdrng	1.0.4	Intel (3-clause BSD)
libedit	3.1	BSD

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NAME	VERSION	LICENSE TYPE
libedit1	2.11	libedit
libevent	2.1.8	BSD and ISC
libfdisk	2.32.1	LGPLv2+
libfdt	1.6.0	GPLv2+
libffi	3.1	MIT
libgcc	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgcrypt	1.8.5	LGPLv2+
libgearman	1.1.19.1	BSD
libgomp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgpg-error	1.31	LGPLv2+
libguestfs	1.44.0	LGPLv2+
libguestfs-tools-c	1.44.0	GPLv2+
libibverbs	29	GPLv2 or BSD
libicu	60.3	MIT and UCD and Public Domain
libidn	1.34	LGPLv2+ and GPLv3+ and GFDL
libidn2	2.2.0	(GPLv2+ or LGPLv3+) and GPLv3+
libipt	1.6.1	BSD
libjpeg-turbo	1.5.3	IJG
libkadm5	1.18.2	MIT
libksba	1.3.5	(LGPLv3+ or GPLv2+) and GPLv3+
liblog4shib2	2.0.0	LGPL
libmaxminddb	1.2.0	ASL 2.0 and BSD

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NAME	VERSION	LICENSE TYPE
libmcrypt	2.5.8	LGPLv2+
libmemcached	1.0.18	BSD
libmemcached-libs	1.0.18	BSD
libmetalink	0.1.3	MIT
libmnl	1.0.4	LGPLv2+
libmongocrypt	1.2.0	ASL 2.0 and ISC
libmount	2.32.1	LGPLv2+
libnet	1.1.6	BSD
libnetfilter_conntrack	1.0.6	GPLv2+
libnfnetlink	1.0.1	GPLv2+
libnfsidmap	2.3.3	BSD
libnftnl	1.1.5	GPLv2+
libnghttp2	1.33.0	MIT
libnl3	3.5.0	LGPLv2
libnsl2	1.2.0	BSD and LGPLv2+
libpcap	1.9.1	BSD with advertising
libpkgconf	1.4.2	ISC
libpng	1.6.34	zlib
libpq	12.4	PostgreSQL
libpsl	0.20.2	MIT
libpwquality	1.4.0	BSD or GPLv2+
libradius	1	libradius
libsaml12	3.2.0	Apache-2.0
libseccomp	2.4.3	LGPLv2

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NAME	VERSION	LICENSE TYPE
libsecret	0.18.6	LGPLv2+
libselinux	2.9	Public Domain
libselinux-utils	2.9	Public Domain
libsemanage	2.9	LGPLv2+
libsepol	2.9	LGPLv2+
libsigsegv	2.11	GPLv2+
libsmartcols	2.32.1	LGPLv2+
libss	1.45.6	MIT
libstdc++	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libsysfs	2.1.0	LGPLv2+
libtasn1	4.13	GPLv3+ and LGPLv2+
libtecla	1.6.1	X11
libtiff	4.0.9	libtiff
libtirpc	1.1.4	SISSL and BSD
libtool-ltdl	2.4.6	LGPLv2+
libunistring	0.9.9	GPLv2+ or LGPLv3+
libunwind	1.3.1	BSD
libusbx	1.0.23	LGPLv2+
libuser	0.62	LGPLv2+
libuuid	2.32.1	BSD
libverto	0.3.0	MIT
libvolume_id	127	GPLv2
libwsman1	2.6.5	BSD

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NAME	VERSION	LICENSE TYPE
libxcrypt	4.1.1	LGPLv2+ and BSD and Public Domain
libxerces-c-3_2	3.2.3	Apache
libxml-security-c20	2.0.2	Apache 2.0
libxml2	2.9.7	MIT
libxmltooling10	3.2.0	Apache-2.0
libxslt	1.1.32	MIT
libyaml	0.1.7	MIT
libzip	1.6.1	BSD
libzstd	1.4.4	BSD and GPLv2
lm_sensors	3.4.0	GPLv2+ and Verbatim and MIT
lm_sensors-libs	3.4.0	LGPLv2+
lmdb-libs	0.9.24	OpenLDAP
lockdev	1.0.4	LGPLv2
logrotate	3.14.0	GPLv2+
lsof	4.93.2	zlib and Sendmail and LGPLv2+
lsscsi	0.3	GPLv2+
lua	5.3.4	MIT
lua-libs	5.3.4	MIT
lvm2	2.03.09	GPLv2
lz4-libs	1.8.3	GPLv2+ and BSD
lzo	2.08	GPLv2+
mailx	12.5	BSD with advertising and MPLv1.1
MAKEDEV	3.23	GPL
mariadb	10.5.9	GPLv2 with exceptions and LGPLv2 and BSD

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NAME	VERSION	LICENSE TYPE
mariadb-common	10.5.9	GPLv2 with exceptions and LGPLv2 and BSD
mariadb-connector-c	3.1.11	LGPLv2+
mariadb-connector-c-config	3.1.11	LGPLv2+
mariadb-errmsg	10.5.9	GPLv2 with exceptions and LGPLv2 and BSD
mariadb-server	10.5.9	GPLv2 with exceptions and LGPLv2 and BSD
mariadb-server-utils	10.5.9	GPLv2 with exceptions and LGPLv2 and BSD
mdadm	4.1	GPLv2+
mingetty	1.07	GPL
mongo	1	metaswitch
mongo-c-driver-libs	1.17.6	ASL 2.0 and ISC and MIT and zlib
mongodb	3.6.19	SSPL v1
mpfr	3.1.6	LGPLv3+ and GPLv3+ and GFDL
multipath-tools	0.4.9	GPL
nbd	2.9.20	GPL+
ncurses	6.1	MIT
ncurses-base	6.1	MIT
ncurses-libs	6.1	MIT
ncurses-term	6.1	MIT
net-snmp	5.8	BSD
net-snmp-agent-libs	5.8	BSD
net-snmp-libs	5.8	BSD
net-snmp-utils	5.8	BSD
net-tools	2	GPLv2+
nettle	3.4.1	LGPLv3+ or GPLv2+

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NAME	VERSION	LICENSE TYPE
nfs-utils	2.3.3	MIT and GPLv2 and GPLv2+ and BSD
nginx-bin	1.20.1	BSD
nginx-filesystem	1.20.1	BSD
npth	1.5	LGPLv2+
nspr	4.35.0	MPLv2.0
nss	3.90.0	MPLv2.0
nss-pam-ldapd	0.9.9	LGPLv2+
nss-softokn	3.90.0	MPLv2.0
nss-softokn-freebl	3.90.0	MPLv2.0
nss-sysinit	3.90.0	MPLv2.0
nss-tools	3.90.0	MPLv2.0
nss-util	3.90.0	MPLv2.0
ntfs-3g	2017.3.23	GPLv2+
ntfsprogs	2017.3.23	GPLv2+
ntp	4.2.8p15	MIT and BSD and BSD with advertising
ntpdate	4.2.8p15	MIT and BSD and BSD with advertising
ntpstat	0.5	MIT
numactl-libs	2.0.12	LGPLv2 and GPLv2
oniguruma5php	6.9.7.1	BSD
openjpeg2	2.4.0	BSD and MIT
openldap	2.4.46	OpenLDAP
openldap-clients	2.4.46	OpenLDAP
opensaml-schemas	3.2.0	Apache-2.0
openssh	8.0p1	BSD

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NAME	VERSION	LICENSE TYPE
openssh-clients	8.0p1	BSD
openssh-server	8.0p1	BSD
openssl	1.1.1g	OpenSSL and ASL 2.0
openssl-libs	1.1.1g	OpenSSL and ASL 2.0
openwsman-client	2.6.5	BSD
openwsman-server	2.6.5	BSD
p11-kit	0.23.22	BSD
p11-kit-trust	0.23.22	BSD
pacparser	1.3.7	LGPL
pam	1.3.1	BSD and GPLv2+
pam_krb5	2.4.8	BSD or LGPLv2+
panos-release	8.3	GPLv2
parted	3.2	GPLv3+
passwd	0.8	BSD or GPL+
pciutils	3.6.4	GPLv2+
pciutils-libs	3.6.4	GPLv2+
pcre	8.42	BSD
pcre2	10.32	BSD
perf	4.18.0	GPLv2
phantomjs	1.9.8	BSD
php	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-bcmath	7.4.33	PHP and LGPLv2+
php-cli	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA and PostgreSQL

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NAME	VERSION	LICENSE TYPE
php-common	7.4.33	PHP and BSD
php-embedded	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-fpm	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-gmp	7.4.33	PHP
php-json	7.4.33	PHP
php-mbstring	7.4.33	PHP and LGPLv2 and OpenLDAP
php-mysqlnd	7.4.33	PHP
php-pdo	7.4.33	PHP
php-pecl-mongodb	1.9.1	ASL 2.0
php-xml	7.4.33	PHP
pinentry	1.1.0	GPLv2+
pixman	0.38.4	MIT
pkgconf	1.4.2	ISC
pkgconf-m4	1.4.2	GPLv2+ with exceptions
pkgconf-pkg-config	1.4.2	ISC
platform-python	3.6.8	Python
platform-python-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
platform-python-setuptools	39.2.0	MIT
policycoreutils	2.9	GPLv2
policycoreutils-python-utils	2.9	GPLv2
popt	1.16	MIT
pprof	2.4	BSD

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NAME	VERSION	LICENSE TYPE
procps-ng	3.3.15	GPL+ and GPLv2 and GPLv2+ and GPLv3+ and LGPLv2+
protobuf-lite	3.5.0	BSD
psmisc	23.1	GPLv2+
pth	2.0.7	LGPLv2+
publicsuffix-list-dafsa	20180723	MPLv2.0
pybloomfiltermmap3	0.4.15	MIT License
pycrypto	2.6.1	Public Domain
pyrabbit2	1.0.7	MIT
python-collectd-cloudwatch	0.0.2	MIT
python-consul	1.1.0	MIT
python-libevent	0.9.2	LGPL
python3-asn1crypto	0.24.0	MIT
python3-audit	3	LGPLv2+
python3-bind	9.11.36	MPLv2.0
python3-bloom	0.10.0	BSD
python3-bson	3.7.0	ASL 2.0 and MIT
python3-catkin_pkg	0.4.23	BSD
python3-cffi	1.11.5	MIT
python3-chardet	3.0.4	LGPLv2
python3-colorclass	2.2.0	MIT
python3-cryptography	3.2.1	ASL 2.0 or BSD
python3-dateutil	2.6.1	BSD
python3-decorator	4.2.1	BSD

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NAME	VERSION	LICENSE TYPE
python3-distro	1.4.0	ASL 2.0
python3-docutils	0.14	Public Domain and BSD and Python and GPLv3+
python3-easygui	0.96	BSD
python3-empy	3.3.4	LGPLv2+
python3-httplib2	0.10.3	MIT
python3-idna	2.5	BSD and Python and Unicode
python3-inotify	0.9.6	MIT
python3-libarchive-c	2.8	CC0
python3-libs	3.6.8	Python
python3-libxml2	2.9.7	MIT
python3-m2crypto	0.35.2	MIT
python3-magic	5.33	BSD
python3-msoffcrypto	4.10.1	MIT
python3-mysql	1.4.6	GPLv2+
python3-olefile	0.46	BSD
python3-oletools	0.56	BSD and MIT and Python
python3-pcodedmp	1.2.6	GPLv3+
python3-pexpect	4.3.1	MIT
python3-pika	1.0.1	BSD
python3-pillow	5.1.1	MIT
python3-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
python3-pip-wheel	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)

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NAME	VERSION	LICENSE TYPE
python3-ply	3.9	BSD
python3-policycoreutils	2.9	GPLv2
python3-prettytable	0.7.2	BSD
python3-psutil	5.6.4	BSD
python3-ptyprocess	0.5.2	ISC
python3-pycparser	2.14	BSD
python3-pycurl	7.43.0.2	LGPLv2+ or MIT
python3-pymilter	1.0.4	GPLv2+
python3-pymongo	3.7.0	ASL 2.0 and MIT
python3-pyparsing	2.1.10	MIT
python3-pypdf2	1.26.0	BSD
python3-pytz	2019.3	MIT
python3-pyyaml	3.12	MIT
python3-redis	3.5.3	MIT
python3-reportlab	3.4.0	BSD
python3-requests	2.20.0	ASL 2.0
python3-rosdep	0.19.0	BSD
python3-rosdistro	0.8.3	BSD and MIT
python3-rospkg	1.2.8	BSD
python3-rpm	4.14.3	GPLv2+
python3-setproctitle	1.1.10	BSD
python3-setuptools	39.2.0	MIT
python3-setuptools-wheel	39.2.0	MIT
python3-simplejson	3.17.0	(MIT or AFL) and (MIT or GPLv2)

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NAME	VERSION	LICENSE TYPE
python3-six	1.11.0	MIT
python3-urlgrabber	4.1.0	LGPLv2+
python3-urllib3	1.24.2	MIT
python3-uwsgidecorators	2.0.18	GPLv2 with exceptions and MIT
python3-vcstools	0.1.42	BSD
python36	3.6.8	Python
qemu-img	4.2.0	GPLv2 and GPLv2+ and CC-BY
qemu-kvm-vnc	4.2.0	GPLv2 and GPLv2+ and CC-BY
quota	4.04	BSD and GPLv2 and GPLv2+
quota-nls	4.04	BSD and LGPLv2+ and GPLv2 and GPLv2+
rabbitmq-server	3.8.9	MPLv2.0 and MIT and ASL 2.0 and BSD
rarfile	4	ISC
rcs	5.10.0	GPLv3+
rdma-core	29	GPLv2 or BSD
readline	7	GPLv3+
redis	6.2.6	BSD and MIT
redis-py-cluster	2.1.0	MIT
rootfiles	8.1	Public Domain
rpcbind	1.2.5	BSD
rpm	4.14.3	GPLv2+
rpm-build-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rpm-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rpm-plugin-selinux	4.14.3	GPLv2+
rsync	3.1.3	GPLv3+

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NAME	VERSION	LICENSE TYPE
sbsigntools	0.9.2	GPLv3+
scrub	2.5.2	GPLv2+
sed	4.5	GPLv3+
selinux-policy	3.14.3	GPLv2+
selinux-policy-targeted	3.14.3	GPLv2+
setup	2.12.2	Public Domain
shadow-utils	4.6	BSD and GPLv2+
shim-x64	15	BSD
smartmontools	7.1	GPLv2+
snappy	1.1.8	BSD
sqlite	3.26.0	Public Domain
sqlite-libs	3.26.0	Public Domain
squashfs-tools	4.3	GPLv2+
sscep	0.9.0	BSD
sshpass	1.06	GPLv2
strongswan	5.9.3	GPLv2+
sysfsutils	2.1.0	GPLv2
syslog-ng	3.29.1	GPLv2+
sysstat	11.7.3	GPLv2+
SysVinit	2.86	GPL
tacacs	1	metaswitch
tar	1.3	GPLv3+
tcp_wrappers	7.6	BSD
tcp_wrappers-libs	7.6	BSD

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NAME	VERSION	LICENSE TYPE
tcpdump	4.9.3	BSD with advertising
tecla	1.6.3	X11
telnet	0.17	BSD
telnet-server	0.17	BSD
tftp	5.2	BSD
timedatex	0.5	GPLv2+
tokyocabinet	1.4.48	LGPLv2+
tor	0.4.4.6	BSD
tpm2-tss	2.3.2	BSD
traceroute	2.1.0	GPLv2+
tunctl	1.5	GPL+
tzdata	2023c	Public Domain
udev	127	GPLv2
unixODBC	2.3.7	GPLv2+ and LGPLv2+
unrar	5.4.0	see license.txt
ustr	1.0.4	MIT or LGPLv2+ or BSD
util-linux	2.32.1	GPLv2 and GPLv2+ and LGPLv2+ and BSD with advertising and Public Domain
util-linux-user	2.32.1	GPLv2
uwsgi	2.0.18	GPLv2 with exceptions and MIT
uwsgi-plugin-common	2.0.18	GPLv2 with exceptions and MIT
uwsgi-plugin-python3	2.0.18	GPLv2 with exceptions and MIT
vim-minimal	8.0.1763	Vim and MIT
vixie-cron	4.1	distributable
waofflinevmod	4.3.3.501	OPSWAT

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NAME	VERSION	LICENSE TYPE
wget	1.19.5	GPLv3+
which	2.21	GPLv3
wpaeapol	2.9	BSD
xinetd	2.3.15	xinetd
xmltodict	0.12.0	MIT
xmltooling-schemas	3.2.0	Apache-2.0
xz	5.2.4	GPLv2+ and Public Domain
xz-libs	5.2.4	Public Domain
yara	3.11.0	ASL 2.0
yara-python	4.0.5	Apache 2.0
zlib	1.2.11	zlib and Boost

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WildFire 11.1 OSS Listing

NAME	VERSION	LICENSE TYPE
acl	2.2.53	GPLv2+
appliance	1.40.1	gpl
apr	1.6.3	ASL 2.0 and BSD with advertising and ISC and BSD
apr-util	1.6.1	ASL 2.0
attr	2.4.48	GPLv2+
audit	3	GPLv2+
audit-libs	3	LGPLv2+
augeas-libs	1.12.0	LGPLv2+
basesystem	11	Public Domain
bash	4.4.19	GPLv3+
beecrypt	4.2.1	LGPLv2+
bind	9.11.36	MPLv2.0
bind-export-libs	9.11.36	MPLv2.0
bind-libs	9.11.36	MPLv2.0
bind-libs-lite	9.11.36	MPLv2.0
bind-license	9.11.36	MPLv2.0
bind-utils	9.11.36	MPLv2.0
binutils	2.3	GPLv3+
bonnie++	1.98	GPLv2
boost-program-options	1.66.0	Boost and MIT and Python
bridge-utils	1.6	GPLv2+
brotli	1.0.6	MIT

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NAME	VERSION	LICENSE TYPE
bzip2	1.0.6	BSD
bzip2-libs	1.0.6	BSD
checkpolicy	2.9	GPLv2
chicken	3.0.0	BSD
chkconfig	1.13	GPLv2
cjson	1	MIT and ASL 2.0
consul	1.11.4	Mozilla Public License, v2.0
coreutils	8.3	GPLv3+
coreutils-common	8.3	GPLv3+
cpio	2.12	GPLv3+
cpp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
cracklib	2.9.6	LGPLv2+
cracklib-dicts	2.9.6	LGPLv2+
crontabs	1.11	Public Domain and GPLv2
crypto-policies	20200713	LGPLv2+
crypto-policies-scripts	20200713	LGPLv2+
curl-minimal	7.61.1	MIT
davici	1.3.0	LGPLv2.1+
dejavu-fonts-common	2.35	Bitstream Vera and Public Domain
dejavu-sans-fonts	2.35	Bitstream Vera and Public Domain
device-mapper	1.02.171	GPLv2
device-mapper-event	1.02.171	GPLv2
device-mapper-event-libs	1.02.171	LGPLv2

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NAME	VERSION	LICENSE TYPE
device-mapper-libs	1.02.171	LGPLv2
dhcp-client	4.3.6	ISC
dhcp-common	4.3.6	ISC
dhcp-devel	4.3.6	ISC
dhcp-libs	4.3.6	ISC
diffutils	3.6	GPLv3+
dosfstools	4.1	GPLv3+
dpkt	1.9.5	BSD
dracut	49	GPLv2+ and LGPLv2+
e2fsprogs	1.45.6	GPLv2
e2fsprogs-libs	1.45.6	GPLv2 and LGPLv2
efitools	1.9.2	GPLv2
efivar	37	LGPL-2.1
efivar-libs	37	LGPL-2.1
elfutils-default-yama-scope	0.18	GPLv2+ or LGPLv3+
elfutils-libelf	0.18	GPLv2+ or LGPLv3+
elfutils-libs	0.18	GPLv2+ or LGPLv3+
erlang	22.0.7	ASL 2.0
ethtool	5	GPLv2
eventlog	0.2.12	BSD-like
expat	2.2.5	MIT
fastlz	0.1.0	MIT
file	5.33	BSD
file-libs	5.33	BSD

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NAME	VERSION	LICENSE TYPE
filesystem	3.8	Public Domain
findutils	4.6.0	GPLv3+
fipscheck	1.5.0	BSD
fipscheck-lib	1.5.0	BSD
flatcc	0.6.1	Apache License Version 2.0
fontconfig	2.13.1	MIT and Public Domain and UCD
fontpackages-filesystem	1.44	Public Domain
freetype	2.9.1	(FTL or GPLv2+) and BSD and MIT and Public Domain and zlib with acknowledgement
fuse	2.9.7	GPL+
fuse-common	3.2.1	GPL+
fuse-libs	2.9.7	LGPLv2+
gawk	4.2.1	GPLv3+ and GPLv2+ and LGPLv2+ and BSD
gc	7.6.4	BSD
gdb	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL + and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdb-headless	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL + and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdbm	1.18	GPLv3+
gdbm-libs	1.18	GPLv3+
gdisk	1.0.3	GPLv2
gearman3	0.2.0	Apache / MIT
gearmand	1.1.19.1	BSD
glib2	2.56.4	LGPLv2+

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NAME	VERSION	LICENSE TYPE
glibc	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-common	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-langpack-en	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
gmp	6.1.2	LGPLv3+ or GPLv2+
gnupg2	2.2.20	GPLv3+
gnutls	3.6.16	GPLv3+ and LGPLv2+
gperftools-devel	2.4	BSD
gperftools-libs	2.4	BSD
gpgme	1.13.1	LGPLv2+
grep	3.1	GPLv3+
grub	6.0.97	GPL
grub-cfg	11.1.8.1	GPL
grub2-noraid-efi-x64	2.02	GPLv3+
gsoap	2.8.6	gsoap
guile	2.0.14	LGPLv3+
gzip	1.9	GPLv3+ and GFDL
hexedit	1.2.13	GPLv2+
hiredis	1.0.2	BSD
hivex	1.3.18	LGPLv2
hostname	3.2	GPLv2+

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NAME	VERSION	LICENSE TYPE
httpd	2.4.37	ASL 2.0
httpd-filesystem	2.4.37	ASL 2.0
httpd-tools	2.4.37	ASL 2.0
hwdata	0.314	GPLv2+
ima-evm-utils	1.1	GPLv2
info	6.5	GPLv3+
initscripts	8.45.17	GPL
ipcalc	0.2.4	GPLv2+
ipmitool	1.8.18	BSD
iproute	5.3.0	GPLv2+ and Public Domain
iptables	1.8.4	GPLv2 and Artistic 2.0 and ISC
iptables-libs	1.8.4	GPLv2 and Artistic 2.0 and ISC
iptables-utils	1.8.4	GPLv2 and Artistic 2.0 and ISC
iputils	20180629	BSD and GPLv2+
irqbalance	1.4.0	GPLv2
ivykis	0.42.4	LGPLv2+
jansson	2.11	MIT
jre	1.8.0_201	Oracle Binary Code License Agreement For JRE
json-c	0.13.1	MIT
kernel-core	4.18.0	GPLv2 and Redistributable, no modification permitted
kernel-modules	4.18.0	GPLv2 and Redistributable, no modification permitted
keyutils	1.5.10	GPLv2+ and LGPLv2+
keyutils-libs	1.5.10	GPLv2+ and LGPLv2+

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NAME	VERSION	LICENSE TYPE
kmod	25	GPLv2+
kmod-libs	25	LGPLv2+
krb5-libs	1.18.2	MIT
krb5-workstation	1.18.2	MIT
lcms2	2.9	MIT
less	530	GPLv3+ or BSD
leveldb	1.22	BSD
libacl	2.2.53	LGPLv2+
libaio	0.3.112	LGPLv2+
libarchive	3.3.2	BSD
libassuan	2.5.1	LGPLv2+ and GPLv3+
libatomic_ops	7.6.2	GPLv2 and MIT
libattr	2.4.48	LGPLv2+
libbabeltrace	1.5.4	MIT and GPLv2
libblkid	2.32.1	LGPLv2+
libbson	1.17.6	ASL 2.0 and ISC and MIT and zlib
libcap	2.48	BSD or GPLv2
libcap-ng	0.7.9	LGPLv2+
libcom_err	1.45.6	MIT
libcurl-minimal	7.61.1	MIT
libdb	5.3.28	BSD and LGPLv2 and Sleepycat
libdb-utils	5.3.28	BSD and LGPLv2 and Sleepycat
libdrng	1.0.4	Intel (3-clause BSD)
libedit	3.1	BSD

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NAME	VERSION	LICENSE TYPE
libedit1	2.11	libedit
libevent	2.1.8	BSD and ISC
libfdisk	2.32.1	LGPLv2+
libfdt	1.6.0	GPLv2+
libffi	3.1	MIT
libgcc	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgcrypt	1.8.5	LGPLv2+
libgearman	1.1.19.1	BSD
libgomp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgpg-error	1.31	LGPLv2+
libguestfs	1.44.0	LGPLv2+
libguestfs-tools-c	1.44.0	GPLv2+
libibverbs	29	GPLv2 or BSD
libicu	60.3	MIT and UCD and Public Domain
libidn	1.34	LGPLv2+ and GPLv3+ and GFDL
libidn2	2.2.0	(GPLv2+ or LGPLv3+) and GPLv3+
libipt	1.6.1	BSD
libjpeg-turbo	1.5.3	IJG
libkadm5	1.18.2	MIT
libksba	1.3.5	(LGPLv3+ or GPLv2+) and GPLv3+
liblog4shib2	2.0.0	LGPL
libmaxminddb	1.2.0	ASL 2.0 and BSD

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NAME	VERSION	LICENSE TYPE
libmcrypt	2.5.8	LGPLv2+
libmemcached	1.0.18	BSD
libmemcached-libs	1.0.18	BSD
libmetalink	0.1.3	MIT
libmnl	1.0.4	LGPLv2+
libmongocrypt	1.2.0	ASL 2.0 and ISC
libmount	2.32.1	LGPLv2+
libnet	1.1.6	BSD
libnetfilter_conntrack	1.0.6	GPLv2+
libnfnetlink	1.0.1	GPLv2+
libnfsidmap	2.3.3	BSD
libnftnl	1.1.5	GPLv2+
libnghttp2	1.33.0	MIT
libnl3	3.5.0	LGPLv2
libnsl2	1.2.0	BSD and LGPLv2+
libpcap	1.9.1	BSD with advertising
libpkgconf	1.4.2	ISC
libpng	1.6.34	zlib
libpq	12.4	PostgreSQL
libpsl	0.20.2	MIT
libpwquality	1.4.0	BSD or GPLv2+
libradius	1	libradius
libsaml12	3.2.0	Apache-2.0
libseccomp	2.4.3	LGPLv2

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NAME	VERSION	LICENSE TYPE
libsecret	0.18.6	LGPLv2+
libselinux	2.9	Public Domain
libselinux-utils	2.9	Public Domain
libsemanage	2.9	LGPLv2+
libsepol	2.9	LGPLv2+
libsigsegv	2.11	GPLv2+
libsmartcols	2.32.1	LGPLv2+
libss	1.45.6	MIT
libstdc++	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libsysfs	2.1.0	LGPLv2+
libtasn1	4.13	GPLv3+ and LGPLv2+
libtecla	1.6.1	X11
libtiff	4.0.9	libtiff
libtirpc	1.1.4	SISSL and BSD
libtool-ltdl	2.4.6	LGPLv2+
libunistring	0.9.9	GPLv2+ or LGPLv3+
libunwind	1.3.1	BSD
libusbx	1.0.23	LGPLv2+
libuser	0.62	LGPLv2+
libuuid	2.32.1	BSD
libverto	0.3.0	MIT
libvolume_id	127	GPLv2
libwsman1	2.6.5	BSD

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NAME	VERSION	LICENSE TYPE
libxcrypt	4.1.1	LGPLv2+ and BSD and Public Domain
libxerces-c-3_2	3.2.3	Apache
libxml-security-c20	2.0.2	Apache 2.0
libxml2	2.9.7	MIT
libxmltooling10	3.2.0	Apache-2.0
libxslt	1.1.32	MIT
libyaml	0.1.7	MIT
libzip	1.6.1	BSD
libzstd	1.4.4	BSD and GPLv2
lm_sensors	3.4.0	GPLv2+ and Verbatim and MIT
lm_sensors-libs	3.4.0	LGPLv2+
lmdb-libs	0.9.24	OpenLDAP
lockdev	1.0.4	LGPLv2
logrotate	3.14.0	GPLv2+
lsof	4.93.2	zlib and Sendmail and LGPLv2+
lsscsi	0.3	GPLv2+
lua	5.3.4	MIT
lua-libs	5.3.4	MIT
lvm2	2.03.09	GPLv2
lz4-libs	1.8.3	GPLv2+ and BSD
lzo	2.08	GPLv2+
mailx	12.5	BSD with advertising and MPLv1.1
MAKEDEV	3.23	GPL
mariadb	10.5.9	GPLv2 with exceptions and LGPLv2 and BSD

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NAME	VERSION	LICENSE TYPE
mariadb-common	10.5.9	GPLv2 with exceptions and LGPLv2 and BSD
mariadb-connector-c	3.1.11	LGPLv2+
mariadb-connector-c-config	3.1.11	LGPLv2+
mariadb-errmsg	10.5.9	GPLv2 with exceptions and LGPLv2 and BSD
mariadb-server	10.5.9	GPLv2 with exceptions and LGPLv2 and BSD
mariadb-server-utils	10.5.9	GPLv2 with exceptions and LGPLv2 and BSD
mdadm	4.1	GPLv2+
mingetty	1.07	GPL
mongo	1	metaswitch
mongo-c-driver-libs	1.17.6	ASL 2.0 and ISC and MIT and zlib
mongodb	3.6.19	SSPL v1
mpfr	3.1.6	LGPLv3+ and GPLv3+ and GFDL
multipath-tools	0.4.9	GPL
nbd	2.9.20	GPL+
ncurses	6.1	MIT
ncurses-base	6.1	MIT
ncurses-libs	6.1	MIT
ncurses-term	6.1	MIT
net-snmp	5.8	BSD
net-snmp-agent-libs	5.8	BSD
net-snmp-libs	5.8	BSD
net-snmp-utils	5.8	BSD
net-tools	2	GPLv2+
nettle	3.4.1	LGPLv3+ or GPLv2+

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NAME	VERSION	LICENSE TYPE
nfs-utils	2.3.3	MIT and GPLv2 and GPLv2+ and BSD
nginx-bin	1.20.1	BSD
nginx-filesystem	1.20.1	BSD
npth	1.5	LGPLv2+
nspr	4.35.0	MPLv2.0
nss	3.90.0	MPLv2.0
nss-pam-ldapd	0.9.9	LGPLv2+
nss-softokn	3.90.0	MPLv2.0
nss-softokn-freebl	3.90.0	MPLv2.0
nss-sysinit	3.90.0	MPLv2.0
nss-tools	3.90.0	MPLv2.0
nss-util	3.90.0	MPLv2.0
ntfs-3g	2017.3.23	GPLv2+
ntfsprogs	2017.3.23	GPLv2+
ntp	4.2.8p15	MIT and BSD and BSD with advertising
ntpdate	4.2.8p15	MIT and BSD and BSD with advertising
ntpstat	0.5	MIT
numactl-libs	2.0.12	LGPLv2 and GPLv2
oniguruma5php	6.9.7.1	BSD
openjpeg2	2.4.0	BSD and MIT
openldap	2.4.46	OpenLDAP
openldap-clients	2.4.46	OpenLDAP
opensaml-schemas	3.2.0	Apache-2.0
openssh	8.0p1	BSD

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NAME	VERSION	LICENSE TYPE
openssh-clients	8.0p1	BSD
openssh-server	8.0p1	BSD
openssl	1.1.1g	OpenSSL and ASL 2.0
openssl-libs	1.1.1g	OpenSSL and ASL 2.0
openwsman-client	2.6.5	BSD
openwsman-server	2.6.5	BSD
p11-kit	0.23.22	BSD
p11-kit-trust	0.23.22	BSD
pacparser	1.3.7	LGPL
pam	1.3.1	BSD and GPLv2+
pam_krb5	2.4.8	BSD or LGPLv2+
panos-release	8.3	GPLv2
parted	3.2	GPLv3+
passwd	0.8	BSD or GPL+
pciutils	3.6.4	GPLv2+
pciutils-libs	3.6.4	GPLv2+
pcre	8.42	BSD
pcre2	10.32	BSD
perf	4.18.0	GPLv2
phantomjs	1.9.8	BSD
php	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-bcmath	7.4.33	PHP and LGPLv2+
php-cli	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA and PostgreSQL

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NAME	VERSION	LICENSE TYPE
php-common	7.4.33	PHP and BSD
php-embedded	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-fpm	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-gmp	7.4.33	PHP
php-json	7.4.33	PHP
php-mbstring	7.4.33	PHP and LGPLv2 and OpenLDAP
php-mysqlnd	7.4.33	PHP
php-pdo	7.4.33	PHP
php-pecl-mongodb	1.9.1	ASL 2.0
php-xml	7.4.33	PHP
pinentry	1.1.0	GPLv2+
pixman	0.38.4	MIT
pkgconf	1.4.2	ISC
pkgconf-m4	1.4.2	GPLv2+ with exceptions
pkgconf-pkg-config	1.4.2	ISC
platform-python	3.6.8	Python
platform-python-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
platform-python-setuptools	39.2.0	MIT
policycoreutils	2.9	GPLv2
policycoreutils-python-utils	2.9	GPLv2
popt	1.16	MIT
pprof	2.4	BSD

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NAME	VERSION	LICENSE TYPE
procps-ng	3.3.15	GPL+ and GPLv2 and GPLv2+ and GPLv3+ and LGPLv2+
protobuf-lite	3.5.0	BSD
psmisc	23.1	GPLv2+
pth	2.0.7	LGPLv2+
publicsuffix-list-dafsa	20180723	MPLv2.0
pybloomfiltermmap3	0.4.15	MIT License
pycrypto	2.6.1	Public Domain
pyrabbit2	1.0.7	MIT
python-collectd-cloudwatch	0.0.2	MIT
python-consul	1.1.0	MIT
python-libevent	0.9.2	LGPL
python3-asn1crypto	0.24.0	MIT
python3-audit	3	LGPLv2+
python3-bind	9.11.36	MPLv2.0
python3-bloom	0.10.0	BSD
python3-bson	3.7.0	ASL 2.0 and MIT
python3-catkin_pkg	0.4.23	BSD
python3-cffi	1.11.5	MIT
python3-chardet	3.0.4	LGPLv2
python3-colorclass	2.2.0	MIT
python3-cryptography	3.2.1	ASL 2.0 or BSD
python3-dateutil	2.6.1	BSD
python3-decorator	4.2.1	BSD

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NAME	VERSION	LICENSE TYPE
python3-distro	1.4.0	ASL 2.0
python3-docutils	0.14	Public Domain and BSD and Python and GPLv3+
python3-easygui	0.96	BSD
python3-empy	3.3.4	LGPLv2+
python3-httplib2	0.10.3	MIT
python3-idna	2.5	BSD and Python and Unicode
python3-inotify	0.9.6	MIT
python3-libarchive-c	2.8	CC0
python3-libs	3.6.8	Python
python3-libxml2	2.9.7	MIT
python3-m2crypto	0.35.2	MIT
python3-magic	5.33	BSD
python3-msoffcrypto	4.10.1	MIT
python3-mysql	1.4.6	GPLv2+
python3-olefile	0.46	BSD
python3-oletools	0.56	BSD and MIT and Python
python3-pcodedmp	1.2.6	GPLv3+
python3-pexpect	4.3.1	MIT
python3-pika	1.0.1	BSD
python3-pillow	5.1.1	MIT
python3-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
python3-pip-wheel	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)

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NAME	VERSION	LICENSE TYPE
python3-ply	3.9	BSD
python3-policycoreutils	2.9	GPLv2
python3-prettytable	0.7.2	BSD
python3-psutil	5.6.4	BSD
python3-ptyprocess	0.5.2	ISC
python3-pycparser	2.14	BSD
python3-pycurl	7.43.0.2	LGPLv2+ or MIT
python3-pymilter	1.0.4	GPLv2+
python3-pymongo	3.7.0	ASL 2.0 and MIT
python3-pyparsing	2.1.10	MIT
python3-pypdf2	1.26.0	BSD
python3-pytz	2019.3	MIT
python3-pyyaml	3.12	MIT
python3-redis	3.5.3	MIT
python3-reportlab	3.4.0	BSD
python3-requests	2.20.0	ASL 2.0
python3-rosdep	0.19.0	BSD
python3-rosdistro	0.8.3	BSD and MIT
python3-rospkg	1.2.8	BSD
python3-rpm	4.14.3	GPLv2+
python3-setproctitle	1.1.10	BSD
python3-setuptools	39.2.0	MIT
python3-setuptools-wheel	39.2.0	MIT
python3-simplejson	3.17.0	(MIT or AFL) and (MIT or GPLv2)

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NAME	VERSION	LICENSE TYPE
python3-six	1.11.0	MIT
python3-urlgrabber	4.1.0	LGPLv2+
python3-urllib3	1.24.2	MIT
python3-uwsgidecorators	2.0.18	GPLv2 with exceptions and MIT
python3-vcstools	0.1.42	BSD
python36	3.6.8	Python
qemu-img	4.2.0	GPLv2 and GPLv2+ and CC-BY
qemu-kvm-vnc	4.2.0	GPLv2 and GPLv2+ and CC-BY
quota	4.04	BSD and GPLv2 and GPLv2+
quota-nls	4.04	BSD and LGPLv2+ and GPLv2 and GPLv2+
rabbitmq-server	3.8.9	MPLv2.0 and MIT and ASL 2.0 and BSD
rarfile	4	ISC
rcs	5.10.0	GPLv3+
rdma-core	29	GPLv2 or BSD
readline	7	GPLv3+
redis	6.2.6	BSD and MIT
redis-py-cluster	2.1.0	MIT
rootfiles	8.1	Public Domain
rpcbind	1.2.5	BSD
rpm	4.14.3	GPLv2+
rpm-build-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rpm-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rpm-plugin-selinux	4.14.3	GPLv2+
rsync	3.1.3	GPLv3+

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NAME	VERSION	LICENSE TYPE
sbsigntools	0.9.2	GPLv3+
scrub	2.5.2	GPLv2+
sed	4.5	GPLv3+
selinux-policy	3.14.3	GPLv2+
selinux-policy-targeted	3.14.3	GPLv2+
setup	2.12.2	Public Domain
shadow-utils	4.6	BSD and GPLv2+
shim-x64	15	BSD
smartmontools	7.1	GPLv2+
snappy	1.1.8	BSD
sqlite	3.26.0	Public Domain
sqlite-libs	3.26.0	Public Domain
squashfs-tools	4.3	GPLv2+
sscep	0.9.0	BSD
sshpass	1.06	GPLv2
strongswan	5.9.3	GPLv2+
sysfsutils	2.1.0	GPLv2
syslog-ng	3.29.1	GPLv2+
sysstat	11.7.3	GPLv2+
SysVinit	2.86	GPL
tacacs	1	metaswitch
tar	1.3	GPLv3+
tcp_wrappers	7.6	BSD
tcp_wrappers-libs	7.6	BSD

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NAME	VERSION	LICENSE TYPE
tcpdump	4.9.3	BSD with advertising
tecla	1.6.3	X11
telnet	0.17	BSD
telnet-server	0.17	BSD
tftp	5.2	BSD
timedatex	0.5	GPLv2+
tokyocabinet	1.4.48	LGPLv2+
tor	0.4.4.6	BSD
tpm2-tss	2.3.2	BSD
traceroute	2.1.0	GPLv2+
tunctl	1.5	GPL+
tzdata	2023c	Public Domain
udev	127	GPLv2
unixODBC	2.3.7	GPLv2+ and LGPLv2+
unrar	5.4.0	see license.txt
ustr	1.0.4	MIT or LGPLv2+ or BSD
util-linux	2.32.1	GPLv2 and GPLv2+ and LGPLv2+ and BSD with advertising and Public Domain
util-linux-user	2.32.1	GPLv2
uwsgi	2.0.18	GPLv2 with exceptions and MIT
uwsgi-plugin-common	2.0.18	GPLv2 with exceptions and MIT
uwsgi-plugin-python3	2.0.18	GPLv2 with exceptions and MIT
vim-minimal	8.0.1763	Vim and MIT
vixie-cron	4.1	distributable
waofflinevmod	4.3.3.501	OPSWAT

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NAME	VERSION	LICENSE TYPE
wget	1.19.5	GPLv3+
which	2.21	GPLv3
wpaeapol	2.9	BSD
xinetd	2.3.15	xinetd
xmltodict	0.12.0	MIT
xmltooling-schemas	3.2.0	Apache-2.0
xz	5.2.4	GPLv2+ and Public Domain
xz-libs	5.2.4	Public Domain
yara	3.11.0	ASL 2.0
yara-python	4.0.5	Apache 2.0
zlib	1.2.11	zlib and Boost

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WildFire 11.0 OSS Listing

NAME	VERSION	LICENSE TYPE
acl	2.2.53	GPLv2+
appliance	1.40.1	gpl
apr	1.6.3	ASL 2.0 and BSD with advertising and ISC and BSD
apr-util	1.6.1	ASL 2.0
attr	2.4.48	GPLv2+
audit	3	GPLv2+
audit-libs	3	LGPLv2+
augeas-libs	1.12.0	LGPLv2+
basesystem	11	Public Domain
bash	4.4.19	GPLv3+
beecrypt	4.2.1	LGPLv2+
bind	9.11.36	MPLv2.0
bind-export-libs	9.11.36	MPLv2.0
bind-libs	9.11.36	MPLv2.0
bind-libs-lite	9.11.36	MPLv2.0
bind-license	9.11.36	MPLv2.0
bind-utils	9.11.36	MPLv2.0
binutils	2.3	GPLv3+
bonnie++	1.98	GPLv2
boost-program-options	1.66.0	Boost and MIT and Python
bridge-utils	1.6	GPLv2+
brotli	1.0.6	MIT

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NAME	VERSION	LICENSE TYPE
bzip2	1.0.6	BSD
bzip2-libs	1.0.6	BSD
checkpolicy	2.9	GPLv2
chicken	3.0.0	BSD
chkconfig	1.13	GPLv2
cjson	1	MIT and ASL 2.0
consul	1.11.4	Mozilla Public License, v2.0
coreutils	8.3	GPLv3+
coreutils-common	8.3	GPLv3+
cpio	2.12	GPLv3+
cpp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
cracklib	2.9.6	LGPLv2+
cracklib-dicts	2.9.6	LGPLv2+
crontabs	1.11	Public Domain and GPLv2
crypto-policies	20200713	LGPLv2+
crypto-policies-scripts	20200713	LGPLv2+
curl-minimal	7.61.1	MIT
davici	1.3.0	LGPLv2.1+
dejavu-fonts-common	2.35	Bitstream Vera and Public Domain
dejavu-sans-fonts	2.35	Bitstream Vera and Public Domain
device-mapper	1.02.171	GPLv2
device-mapper-event	1.02.171	GPLv2
device-mapper-event-libs	1.02.171	LGPLv2

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NAME	VERSION	LICENSE TYPE
device-mapper-libs	1.02.171	LGPLv2
dhcp-client	4.3.6	ISC
dhcp-common	4.3.6	ISC
dhcp-devel	4.3.6	ISC
dhcp-libs	4.3.6	ISC
diffutils	3.6	GPLv3+
dosfstools	4.1	GPLv3+
dpkt	1.9.5	BSD
dracut	49	GPLv2+ and LGPLv2+
e2fsprogs	1.45.6	GPLv2
e2fsprogs-libs	1.45.6	GPLv2 and LGPLv2
efitools	1.9.2	GPLv2
efivar	37	LGPL-2.1
efivar-libs	37	LGPL-2.1
elfutils-default-yama-scope	0.18	GPLv2+ or LGPLv3+
elfutils-libelf	0.18	GPLv2+ or LGPLv3+
elfutils-libs	0.18	GPLv2+ or LGPLv3+
erlang	22.0.7	ASL 2.0
ethtool	5	GPLv2
eventlog	0.2.12	BSD-like
expat	2.2.5	MIT
fastlz	0.1.0	MIT
file	5.33	BSD
file-libs	5.33	BSD

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NAME	VERSION	LICENSE TYPE
filesystem	3.8	Public Domain
findutils	4.6.0	GPLv3+
fipscheck	1.5.0	BSD
fipscheck-lib	1.5.0	BSD
flatcc	0.6.1	Apache License Version 2.0
fontconfig	2.13.1	MIT and Public Domain and UCD
fontpackages-filesystem	1.44	Public Domain
freetype	2.9.1	(FTL or GPLv2+) and BSD and MIT and Public Domain and zlib with acknowledgement
fuse	2.9.7	GPL+
fuse-common	3.2.1	GPL+
fuse-libs	2.9.7	LGPLv2+
gawk	4.2.1	GPLv3+ and GPLv2+ and LGPLv2+ and BSD
gc	7.6.4	BSD
gdb	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL + and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdb-headless	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL + and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdbm	1.18	GPLv3+
gdbm-libs	1.18	GPLv3+
gdisk	1.0.3	GPLv2
gearman3	0.2.0	Apache / MIT
gearmand	1.1.19.1	BSD
glib2	2.56.4	LGPLv2+

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NAME	VERSION	LICENSE TYPE
glibc	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-common	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-debuginfo	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-debuginfo-common	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-langpack-en	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
gmp	6.1.2	LGPLv3+ or GPLv2+
gnupg2	2.2.20	GPLv3+
gnutls	3.6.16	GPLv3+ and LGPLv2+
gperftools-devel	2.4	BSD
gperftools-libs	2.4	BSD
gpgme	1.13.1	LGPLv2+
grep	3.1	GPLv3+
grub	6.0.97	GPL
grub-cfg	11.0.6.1	GPL
grub2-noraid-efi-x64	2.02	GPLv3+
gsoap	2.8.6	gsoap
guile	2.0.14	LGPLv3+

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NAME	VERSION	LICENSE TYPE
gzip	1.9	GPLv3+ and GFDL
hexedit	1.2.13	GPLv2+
hiredis	1.0.2	BSD
hivex	1.3.18	LGPLv2
hostname	3.2	GPLv2+
httpd	2.4.37	ASL 2.0
httpd-filesystem	2.4.37	ASL 2.0
httpd-tools	2.4.37	ASL 2.0
hwdata	0.314	GPLv2+
ima-evm-utils	1.1	GPLv2
info	6.5	GPLv3+
initscripts	8.45.17	GPL
ipcalc	0.2.4	GPLv2+
ipmitool	1.8.18	BSD
iproute	5.3.0	GPLv2+ and Public Domain
iptables	1.8.4	GPLv2 and Artistic 2.0 and ISC
iptables-libs	1.8.4	GPLv2 and Artistic 2.0 and ISC
iptables-utils	1.8.4	GPLv2 and Artistic 2.0 and ISC
iputils	20180629	BSD and GPLv2+
irqbalance	1.4.0	GPLv2
ivykis	0.42.4	LGPLv2+
jansson	2.11	MIT
jre	1.8.0_201	Oracle Binary Code License Agreement For JRE
json-c	0.13.1	MIT

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NAME	VERSION	LICENSE TYPE
kernel-core	4.18.0	GPLv2 and Redistributable, no modification permitted
kernel-modules	4.18.0	GPLv2 and Redistributable, no modification permitted
keyutils	1.5.10	GPLv2+ and LGPLv2+
keyutils-libs	1.5.10	GPLv2+ and LGPLv2+
kmod	25	GPLv2+
kmod-libs	25	LGPLv2+
krb5-libs	1.18.2	MIT
krb5-workstation	1.18.2	MIT
lcms2	2.9	MIT
less	530	GPLv3+ or BSD
leveldb	1.22	BSD
libacl	2.2.53	LGPLv2+
libaio	0.3.112	LGPLv2+
libarchive	3.3.2	BSD
libassuan	2.5.1	LGPLv2+ and GPLv3+
libatomic_ops	7.6.2	GPLv2 and MIT
libattr	2.4.48	LGPLv2+
libbabeltrace	1.5.4	MIT and GPLv2
libblkid	2.32.1	LGPLv2+
libbson	1.17.6	ASL 2.0 and ISC and MIT and zlib
libcap	2.48	BSD or GPLv2
libcap-ng	0.7.9	LGPLv2+
libcom_err	1.45.6	MIT

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NAME	VERSION	LICENSE TYPE
libcurl-minimal	7.61.1	MIT
libdb	5.3.28	BSD and LGPLv2 and Sleepycat
libdb-utils	5.3.28	BSD and LGPLv2 and Sleepycat
libdrng	1.0.4	Intel (3-clause BSD)
libedit	3.1	BSD
libedit1	2.11	libedit
libevent	2.1.8	BSD and ISC
libfdisk	2.32.1	LGPLv2+
libfdt	1.6.0	GPLv2+
libffi	3.1	MIT
libgcc	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgcrypt	1.8.5	LGPLv2+
libgearman	1.1.19.1	BSD
libgomp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgpg-error	1.31	LGPLv2+
libguestfs	1.44.0	LGPLv2+
libguestfs-tools-c	1.44.0	GPLv2+
libibverbs	29	GPLv2 or BSD
libicu	60.3	MIT and UCD and Public Domain
libidn	1.34	LGPLv2+ and GPLv3+ and GFDL
libidn2	2.2.0	(GPLv2+ or LGPLv3+) and GPLv3+
libipt	1.6.1	BSD

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NAME	VERSION	LICENSE TYPE
libjpeg-turbo	1.5.3	IJG
libkadm5	1.18.2	MIT
libksba	1.3.5	(LGPLv3+ or GPLv2+) and GPLv3+
liblog4shib2	2.0.0	LGPL
libmaxminddb	1.2.0	ASL 2.0 and BSD
libmcrypt	2.5.8	LGPLv2+
libmemcached	1.0.18	BSD
libmemcached-libs	1.0.18	BSD
libmetalink	0.1.3	MIT
libmnl	1.0.4	LGPLv2+
libmongocrypt	1.2.0	ASL 2.0 and ISC
libmount	2.32.1	LGPLv2+
libnet	1.1.6	BSD
libnetfilter_conntrack	1.0.6	GPLv2+
libnfnetlink	1.0.1	GPLv2+
libnfsidmap	2.3.3	BSD
libnftnl	1.1.5	GPLv2+
libnghttp2	1.33.0	MIT
libnl3	3.5.0	LGPLv2
libnsl2	1.2.0	BSD and LGPLv2+
libpcap	1.9.1	BSD with advertising
libpkgconf	1.4.2	ISC
libpng	1.6.34	zlib
libpq	12.4	PostgreSQL

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NAME	VERSION	LICENSE TYPE
libpsl	0.20.2	MIT
libpwquality	1.4.0	BSD or GPLv2+
libradius	1	libradius
libsaml12	3.2.0	Apache-2.0
libseccomp	2.4.3	LGPLv2
libsecret	0.18.6	LGPLv2+
libselinux	2.9	Public Domain
libselinux-utils	2.9	Public Domain
libsemanage	2.9	LGPLv2+
libsepol	2.9	LGPLv2+
libsigsegv	2.11	GPLv2+
libsmartcols	2.32.1	LGPLv2+
libss	1.45.6	MIT
libstdc++	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libsysfs	2.1.0	LGPLv2+
libtasn1	4.13	GPLv3+ and LGPLv2+
libtecla	1.6.1	X11
libtiff	4.0.9	libtiff
libtirpc	1.1.4	SISSL and BSD
libtool-ltdl	2.4.6	LGPLv2+
libunistring	0.9.9	GPLv2+ or LGPLv3+
libunwind	1.3.1	BSD
libusbx	1.0.23	LGPLv2+

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NAME	VERSION	LICENSE TYPE
libuser	0.62	LGPLv2+
libuuid	2.32.1	BSD
libverto	0.3.0	MIT
libvolume_id	127	GPLv2
libwsman1	2.6.5	BSD
libxcrypt	4.1.1	LGPLv2+ and BSD and Public Domain
libxerces-c-3_2	3.2.3	Apache
libxml-security-c20	2.0.2	Apache 2.0
libxml2	2.9.7	MIT
libxmltooling10	3.2.0	Apache-2.0
libxslt	1.1.32	MIT
libyaml	0.1.7	MIT
libzip	1.6.1	BSD
libzstd	1.4.4	BSD and GPLv2
lm_sensors	3.4.0	GPLv2+ and Verbatim and MIT
lm_sensors-libs	3.4.0	LGPLv2+
lmdb-libs	0.9.24	OpenLDAP
lockdev	1.0.4	LGPLv2
logrotate	3.14.0	GPLv2+
lsof	4.93.2	zlib and Sendmail and LGPLv2+
lsscsi	0.3	GPLv2+
lua	5.3.4	MIT
lua-libs	5.3.4	MIT
lvm2	2.03.09	GPLv2

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NAME	VERSION	LICENSE TYPE
lz4-libs	1.8.3	GPLv2+ and BSD
lzo	2.08	GPLv2+
mailx	12.5	BSD with advertising and MPLv1.1
MAKEDEV	3.23	GPL
mariadb	10.5.9	GPLv2 with exceptions and LGPLv2 and BSD
mariadb-common	10.5.9	GPLv2 with exceptions and LGPLv2 and BSD
mariadb-connector-c	3.1.11	LGPLv2+
mariadb-connector-c-config	3.1.11	LGPLv2+
mariadb-errmsg	10.5.9	GPLv2 with exceptions and LGPLv2 and BSD
mariadb-server	10.5.9	GPLv2 with exceptions and LGPLv2 and BSD
mariadb-server-utils	10.5.9	GPLv2 with exceptions and LGPLv2 and BSD
mdadm	4.1	GPLv2+
mingetty	1.07	GPL
mongo	1	metaswitch
mongo-c-driver-libs	1.17.6	ASL 2.0 and ISC and MIT and zlib
mongodb	3.6.19	SSPL v1
mpfr	3.1.6	LGPLv3+ and GPLv3+ and GFDL
multipath-tools	0.4.9	GPL
nbd	2.9.20	GPL+
ncurses	6.1	MIT
ncurses-base	6.1	MIT
ncurses-libs	6.1	MIT
ncurses-term	6.1	MIT
net-snmp	5.8	BSD

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NAME	VERSION	LICENSE TYPE
net-snmp-agent-libs	5.8	BSD
net-snmp-libs	5.8	BSD
net-snmp-utils	5.8	BSD
net-tools	2	GPLv2+
nettle	3.4.1	LGPLv3+ or GPLv2+
nfs-utils	2.3.3	MIT and GPLv2 and GPLv2+ and BSD
nginx-bin	1.18.0	BSD
nginx-filesystem	1.18.0	BSD
npth	1.5	LGPLv2+
nspr	4.35.0	MPLv2.0
nss	3.90.0	MPLv2.0
nss-pam-ldapd	0.9.9	LGPLv2+
nss-softokn	3.90.0	MPLv2.0
nss-softokn-freebl	3.90.0	MPLv2.0
nss-sysinit	3.90.0	MPLv2.0
nss-tools	3.90.0	MPLv2.0
nss-util	3.90.0	MPLv2.0
ntfs-3g	2017.3.23	GPLv2+
ntfsprogs	2017.3.23	GPLv2+
ntp	4.2.8p15	MIT and BSD and BSD with advertising
ntpdate	4.2.8p15	MIT and BSD and BSD with advertising
ntpstat	0.5	MIT
numactl-libs	2.0.12	LGPLv2 and GPLv2
oniguruma5php	6.9.7.1	BSD

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NAME	VERSION	LICENSE TYPE
openjpeg2	2.4.0	BSD and MIT
openldap	2.4.46	OpenLDAP
openldap-clients	2.4.46	OpenLDAP
opensaml-schemas	3.2.0	Apache-2.0
openssh	8.0p1	BSD
openssh-clients	8.0p1	BSD
openssh-server	8.0p1	BSD
openssl	1.1.1g	OpenSSL and ASL 2.0
openssl-libs	1.1.1g	OpenSSL and ASL 2.0
openwsman-client	2.6.5	BSD
openwsman-server	2.6.5	BSD
p11-kit	0.23.14	BSD
p11-kit-trust	0.23.14	BSD
pacparser	1.3.7	LGPL
pam	1.3.1	BSD and GPLv2+
pam_krb5	2.4.8	BSD or LGPLv2+
panos-release	8.3	GPLv2
parted	3.2	GPLv3+
passwd	0.8	BSD or GPL+
pciutils	3.6.4	GPLv2+
pciutils-libs	3.6.4	GPLv2+
pcre	8.42	BSD
pcre2	10.32	BSD
perf	4.18.0	GPLv2

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NAME	VERSION	LICENSE TYPE
phantomjs	1.9.8	BSD
php	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-bcmath	7.4.33	PHP and LGPLv2+
php-cli	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA and PostgreSQL
php-common	7.4.33	PHP and BSD
php-embedded	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-fpm	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-gmp	7.4.33	PHP
php-json	7.4.33	PHP
php-mbstring	7.4.33	PHP and LGPLv2 and OpenLDAP
php-mysqlnd	7.4.33	PHP
php-pdo	7.4.33	PHP
php-pecl-mongodb	1.9.1	ASL 2.0
php-xml	7.4.33	PHP
pinentry	1.1.0	GPLv2+
pixman	0.38.4	MIT
pkgconf	1.4.2	ISC
pkgconf-m4	1.4.2	GPLv2+ with exceptions
pkgconf-pkg-config	1.4.2	ISC
platform-python	3.6.8	Python
platform-python-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)

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NAME	VERSION	LICENSE TYPE
platform-python-setuptools	39.2.0	MIT
policycoreutils	2.9	GPLv2
policycoreutils-python-utils	2.9	GPLv2
popt	1.16	MIT
pprof	2.4	BSD
procps-ng	3.3.15	GPL+ and GPLv2 and GPLv2+ and GPLv3+ and LGPLv2+
protobuf-lite	3.5.0	BSD
psmisc	23.1	GPLv2+
pth	2.0.7	LGPLv2+
publicsuffix-list-dafsa	20180723	MPLv2.0
pybloomfiltermmap3	0.4.15	MIT License
pycrypto	2.6.1	Public Domain
pyrabbit2	1.0.7	MIT
python-collectd-cloudwatch	0.0.2	MIT
python-consul	1.1.0	MIT
python-libevent	0.9.2	LGPL
python3-asn1crypto	0.24.0	MIT
python3-audit	3	LGPLv2+
python3-bind	9.11.36	MPLv2.0
python3-bloom	0.10.0	BSD
python3-bson	3.7.0	ASL 2.0 and MIT
python3-catkin_pkg	0.4.23	BSD
python3-cffi	1.11.5	MIT

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NAME	VERSION	LICENSE TYPE
python3-chardet	3.0.4	LGPLv2
python3-colorclass	2.2.0	MIT
python3-cryptography	3.2.1	ASL 2.0 or BSD
python3-dateutil	2.6.1	BSD
python3-decorator	4.2.1	BSD
python3-distro	1.4.0	ASL 2.0
python3-docutils	0.14	Public Domain and BSD and Python and GPLv3+
python3-easygui	0.96	BSD
python3-empy	3.3.4	LGPLv2+
python3-httplib2	0.10.3	MIT
python3-idna	2.5	BSD and Python and Unicode
python3-inotify	0.9.6	MIT
python3-libarchive-c	2.8	CC0
python3-libs	3.6.8	Python
python3-libxml2	2.9.7	MIT
python3-m2crypto	0.35.2	MIT
python3-magic	5.33	BSD
python3-msoffcrypto	4.10.1	MIT
python3-mysql	1.4.6	GPLv2+
python3-olefile	0.46	BSD
python3-oletools	0.56	BSD and MIT and Python
python3-pcodedmp	1.2.6	GPLv3+
python3-pexpect	4.3.1	MIT
python3-pika	1.0.1	BSD

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NAME	VERSION	LICENSE TYPE
python3-pillow	5.1.1	MIT
python3-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
python3-pip-wheel	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
python3-ply	3.9	BSD
python3-policycoreutils	2.9	GPLv2
python3-prettytable	0.7.2	BSD
python3-psutil	5.6.4	BSD
python3-ptyprocess	0.5.2	ISC
python3-pycparser	2.14	BSD
python3-pycurl	7.43.0.2	LGPLv2+ or MIT
python3-pymilter	1.0.4	GPLv2+
python3-pymongo	3.7.0	ASL 2.0 and MIT
python3-pyparsing	2.1.10	MIT
python3-pypdf2	1.26.0	BSD
python3-pytz	2019.3	MIT
python3-pyyaml	3.12	MIT
python3-redis	3.5.3	MIT
python3-reportlab	3.4.0	BSD
python3-requests	2.20.0	ASL 2.0
python3-rosdep	0.19.0	BSD
python3-rosdistro	0.8.3	BSD and MIT
python3-rospkg	1.2.8	BSD

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NAME	VERSION	LICENSE TYPE
python3-rpm	4.14.3	GPLv2+
python3-setproctitle	1.1.10	BSD
python3-setuptools	39.2.0	MIT
python3-setuptools-wheel	39.2.0	MIT
python3-simplejson	3.17.0	(MIT or AFL) and (MIT or GPLv2)
python3-six	1.11.0	MIT
python3-urlgrabber	4.1.0	LGPLv2+
python3-urllib3	1.24.2	MIT
python3-uwsgidecorators	2.0.18	GPLv2 with exceptions and MIT
python3-vcstools	0.1.42	BSD
python36	3.6.8	Python
qemu-img	4.2.0	GPLv2 and GPLv2+ and CC-BY
qemu-kvm-vnc	4.2.0	GPLv2 and GPLv2+ and CC-BY
quota	4.04	BSD and GPLv2 and GPLv2+
quota-nls	4.04	BSD and LGPLv2+ and GPLv2 and GPLv2+
rabbitmq-server	3.8.9	MPLv2.0 and MIT and ASL 2.0 and BSD
rarfile	4	ISC
rcs	5.10.0	GPLv3+
rdma-core	29	GPLv2 or BSD
readline	7	GPLv3+
redis	6.2.6	BSD and MIT
redis-py-cluster	2.1.0	MIT
rootfiles	8.1	Public Domain
rpcbind	1.2.5	BSD

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NAME	VERSION	LICENSE TYPE
rpm	4.14.3	GPLv2+
rpm-build-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rpm-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rsync	3.1.3	GPLv3+
sbsigntools	0.9.2	GPLv3+
scrub	2.5.2	GPLv2+
sed	4.5	GPLv3+
setup	2.12.2	Public Domain
shadow-utils	4.6	BSD and GPLv2+
shim-x64	15	BSD
smartmontools	7.1	GPLv2+
snappy	1.1.8	BSD
sqlite	3.26.0	Public Domain
sqlite-libs	3.26.0	Public Domain
squashfs-tools	4.3	GPLv2+
sscep	0.9.0	BSD
sshpass	1.06	GPLv2
strongswan	5.9.3	GPLv2+
sysfsutils	2.1.0	GPLv2
syslog-ng	3.29.1	GPLv2+
sysstat	11.7.3	GPLv2+
SysVinit	2.86	GPL
tacacs	1	metaswitch
tar	1.3	GPLv3+

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NAME	VERSION	LICENSE TYPE
tcp_wrappers	7.6	BSD
tcp_wrappers-libs	7.6	BSD
tcpdump	4.9.3	BSD with advertising
tecla	1.6.3	X11
telnet	0.17	BSD
telnet-server	0.17	BSD
tftp	5.2	BSD
timedatex	0.5	GPLv2+
tokyocabinet	1.4.48	LGPLv2+
tor	0.4.4.6	BSD
tpm2-tss	2.3.2	BSD
traceroute	2.1.0	GPLv2+
tunctl	1.5	GPL+
tzdata	2023c	Public Domain
udev	127	GPLv2
unixODBC	2.3.7	GPLv2+ and LGPLv2+
unrar	5.4.0	see license.txt
ustr	1.0.4	MIT or LGPLv2+ or BSD
util-linux	2.32.1	GPLv2 and GPLv2+ and LGPLv2+ and BSD with advertising and Public Domain
util-linux-user	2.32.1	GPLv2
uwsgi	2.0.18	GPLv2 with exceptions and MIT
uwsgi-plugin-common	2.0.18	GPLv2 with exceptions and MIT
uwsgi-plugin-python3	2.0.18	GPLv2 with exceptions and MIT
vim-minimal	8.0.1763	Vim and MIT

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NAME	VERSION	LICENSE TYPE
vixie-cron	4.1	distributable
waofflinevmod	4.3.3.501	OPSWAT
wget	1.19.5	GPLv3+
which	2.21	GPLv3
wpaeapol	2.9	BSD
xinetd	2.3.15	xinetd
xmltodict	0.12.0	MIT
xmltooling-schemas	3.2.0	Apache-2.0
xz	5.2.4	GPLv2+ and Public Domain
xz-libs	5.2.4	Public Domain
yara	3.11.0	ASL 2.0
yara-python	4.0.5	Apache 2.0
zlib	1.2.11	zlib and Boost

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WildFire 10.2 OSS Listing

NAME	VERSION	LICENSE TYPE
acl	2.2.53	GPLv2+
appliance	1.40.1	gpl
apr	1.6.3	ASL 2.0 and BSD with advertising and ISC and BSD
apr-util	1.6.1	ASL 2.0
attr	2.4.48	GPLv2+
audit	3	GPLv2+
audit-libs	3	LGPLv2+
augeas-libs	1.12.0	LGPLv2+
basesystem	11	Public Domain
bash	4.4.19	GPLv3+
beecrypt	4.2.1	LGPLv2+
bind	9.11.36	MPLv2.0
bind-export-libs	9.11.36	MPLv2.0
bind-libs	9.11.36	MPLv2.0
bind-libs-lite	9.11.36	MPLv2.0
bind-license	9.11.36	MPLv2.0
bind-utils	9.11.36	MPLv2.0
binutils	2.3	GPLv3+
bonnie++	1.98	GPLv2
boost-program-options	1.66.0	Boost and MIT and Python
bridge-utils	1.6	GPLv2+
brotli	1.0.6	MIT

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NAME	VERSION	LICENSE TYPE
bzip2	1.0.6	BSD
bzip2-libs	1.0.6	BSD
checkpolicy	2.9	GPLv2
chicken	3.0.0	BSD
chkconfig	1.13	GPLv2
cjson	1	MIT and ASL 2.0
consul	1.11.4	Mozilla Public License, v2.0
coreutils	8.3	GPLv3+
coreutils-common	8.3	GPLv3+
cpio	2.12	GPLv3+
cpp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
cracklib	2.9.6	LGPLv2+
cracklib-dicts	2.9.6	LGPLv2+
crontabs	1.11	Public Domain and GPLv2
crypto-policies	20200713	LGPLv2+
crypto-policies-scripts	20200713	LGPLv2+
curl-minimal	7.61.1	MIT
davici	1.3.0	LGPLv2.1+
dejavu-fonts-common	2.35	Bitstream Vera and Public Domain
dejavu-sans-fonts	2.35	Bitstream Vera and Public Domain
device-mapper	1.02.171	GPLv2
device-mapper-event	1.02.171	GPLv2
device-mapper-event-libs	1.02.171	LGPLv2

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NAME	VERSION	LICENSE TYPE
device-mapper-libs	1.02.171	LGPLv2
dhcp-client	4.3.6	ISC
dhcp-common	4.3.6	ISC
dhcp-devel	4.3.6	ISC
dhcp-libs	4.3.6	ISC
diffutils	3.6	GPLv3+
dosfstools	4.1	GPLv3+
dpkt	1.9.5	BSD
dracut	49	GPLv2+ and LGPLv2+
e2fsprogs	1.45.6	GPLv2
e2fsprogs-libs	1.45.6	GPLv2 and LGPLv2
efitools	1.9.2	GPLv2
efivar	37	LGPL-2.1
efivar-libs	37	LGPL-2.1
elfutils-default-yama-scope	0.18	GPLv2+ or LGPLv3+
elfutils-libelf	0.18	GPLv2+ or LGPLv3+
elfutils-libs	0.18	GPLv2+ or LGPLv3+
erlang	22.0.7	ASL 2.0
ethtool	5	GPLv2
eventlog	0.2.12	BSD-like
expat	2.2.5	MIT
fastlz	0.1.0	MIT
file	5.33	BSD
file-libs	5.33	BSD

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NAME	VERSION	LICENSE TYPE
filesystem	3.8	Public Domain
findutils	4.6.0	GPLv3+
fipscheck	1.5.0	BSD
fipscheck-lib	1.5.0	BSD
flatcc	0.6.1	Apache License Version 2.0
fontconfig	2.13.1	MIT and Public Domain and UCD
fontpackages-filesystem	1.44	Public Domain
freetype	2.9.1	(FTL or GPLv2+) and BSD and MIT and Public Domain and zlib with acknowledgement
fuse	2.9.7	GPL+
fuse-common	3.2.1	GPL+
fuse-libs	2.9.7	LGPLv2+
gawk	4.2.1	GPLv3+ and GPLv2+ and LGPLv2+ and BSD
gc	7.6.4	BSD
gdb	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL + and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdb-headless	8.2	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL + and LGPLv2+ and LGPLv3+ and BSD and Public Domain and GFDL
gdbm	1.18	GPLv3+
gdbm-libs	1.18	GPLv3+
gdisk	1.0.3	GPLv2
gearman3	0.2.0	Apache / MIT
gearmand	1.1.19.1	BSD
glib2	2.56.4	LGPLv2+

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NAME	VERSION	LICENSE TYPE
glibc	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-common	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
glibc-langpack-en	2.28	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+ and GPLv2+ with exceptions and BSD and Inner-Net and ISC and Public Domain and GFDL
gmp	6.1.2	LGPLv3+ or GPLv2+
gnupg2	2.2.20	GPLv3+
gnutls	3.6.14	GPLv3+ and LGPLv2+
gperftools-devel	2.4	BSD
gperftools-libs	2.4	BSD
gpgme	1.13.1	LGPLv2+
grep	3.1	GPLv3+
grub	6.0.97	GPL
grub-cfg	10.2.14.1	GPL
grub2-noraid-efi-x64	2.02	GPLv3+
gsoap	2.8.6	gsoap
guile	2.0.14	LGPLv3+
gzip	1.9	GPLv3+ and GFDL
hexedit	1.2.13	GPLv2+
hiredis	1.0.2	BSD
hivex	1.3.18	LGPLv2
hostname	3.2	GPLv2+

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NAME	VERSION	LICENSE TYPE
httpd	2.4.37	ASL 2.0
httpd-filesystem	2.4.37	ASL 2.0
httpd-tools	2.4.37	ASL 2.0
hwdata	0.314	GPLv2+
ima-evm-utils	1.1	GPLv2
info	6.5	GPLv3+
initscripts	8.45.17	GPL
ipcalc	0.2.4	GPLv2+
ipmitool	1.8.18	BSD
iproute	5.3.0	GPLv2+ and Public Domain
iptables	1.8.4	GPLv2 and Artistic 2.0 and ISC
iptables-libs	1.8.4	GPLv2 and Artistic 2.0 and ISC
iptables-utils	1.8.4	GPLv2 and Artistic 2.0 and ISC
iputils	20180629	BSD and GPLv2+
irqbalance	1.4.0	GPLv2
ivykis	0.42.4	LGPLv2+
jansson	2.11	MIT
jre	1.8.0_201	Oracle Binary Code License Agreement For JRE
json-c	0.13.1	MIT
kernel-core	4.18.0	GPLv2 and Redistributable, no modification permitted
kernel-modules	4.18.0	GPLv2 and Redistributable, no modification permitted
keyutils	1.5.10	GPLv2+ and LGPLv2+
keyutils-libs	1.5.10	GPLv2+ and LGPLv2+

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NAME	VERSION	LICENSE TYPE
kmod	25	GPLv2+
kmod-libs	25	LGPLv2+
krb5-libs	1.18.2	MIT
krb5-workstation	1.18.2	MIT
lcms2	2.9	MIT
less	530	GPLv3+ or BSD
leveldb	1.22	BSD
libacl	2.2.53	LGPLv2+
libaio	0.3.112	LGPLv2+
libarchive	3.3.2	BSD
libassuan	2.5.1	LGPLv2+ and GPLv3+
libatomic_ops	7.6.2	GPLv2 and MIT
libattr	2.4.48	LGPLv2+
libbabeltrace	1.5.4	MIT and GPLv2
libblkid	2.32.1	LGPLv2+
libbson	1.17.6	ASL 2.0 and ISC and MIT and zlib
libcap	2.48	BSD or GPLv2
libcap-ng	0.7.9	LGPLv2+
libcom_err	1.45.6	MIT
libcurl-minimal	7.61.1	MIT
libdb	5.3.28	BSD and LGPLv2 and Sleepycat
libdb-utils	5.3.28	BSD and LGPLv2 and Sleepycat
libdrng	1.0.4	Intel (3-clause BSD)
libedit	3.1	BSD

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NAME	VERSION	LICENSE TYPE
libedit1	2.11	libedit
libevent	2.1.8	BSD and ISC
libfdisk	2.32.1	LGPLv2+
libfdt	1.6.0	GPLv2+
libffi	3.1	MIT
libgcc	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgcrypt	1.8.5	LGPLv2+
libgearman	1.1.19.1	BSD
libgomp	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgpg-error	1.31	LGPLv2+
libguestfs	1.44.0	LGPLv2+
libguestfs-tools-c	1.44.0	GPLv2+
libibverbs	29	GPLv2 or BSD
libicu	60.3	MIT and UCD and Public Domain
libidn	1.34	LGPLv2+ and GPLv3+ and GFDL
libidn2	2.2.0	(GPLv2+ or LGPLv3+) and GPLv3+
libipt	1.6.1	BSD
libjpeg-turbo	1.5.3	IJG
libkadm5	1.18.2	MIT
libksba	1.3.5	(LGPLv3+ or GPLv2+) and GPLv3+
liblog4shib2	2.0.0	LGPL
libmaxminddb	1.2.0	ASL 2.0 and BSD

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NAME	VERSION	LICENSE TYPE
libmcrypt	2.5.8	LGPLv2+
libmemcached	1.0.18	BSD
libmemcached-libs	1.0.18	BSD
libmetalink	0.1.3	MIT
libmnl	1.0.4	LGPLv2+
libmongocrypt	1.2.0	ASL 2.0 and ISC
libmount	2.32.1	LGPLv2+
libnet	1.1.6	BSD
libnetfilter_conntrack	1.0.6	GPLv2+
libnfnetlink	1.0.1	GPLv2+
libnfsidmap	2.3.3	BSD
libnftnl	1.1.5	GPLv2+
libnghttp2	1.33.0	MIT
libnl3	3.5.0	LGPLv2
libnsl2	1.2.0	BSD and LGPLv2+
libpcap	1.9.1	BSD with advertising
libpkgconf	1.4.2	ISC
libpng	1.6.34	zlib
libpq	12.4	PostgreSQL
libpsl	0.20.2	MIT
libpwquality	1.4.0	BSD or GPLv2+
libradius	1	libradius
libsaml12	3.2.0	Apache-2.0
libseccomp	2.4.3	LGPLv2

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NAME	VERSION	LICENSE TYPE
libsecret	0.18.6	LGPLv2+
libselinux	2.9	Public Domain
libselinux-utils	2.9	Public Domain
libsemanage	2.9	LGPLv2+
libsepol	2.9	LGPLv2+
libsigsegv	2.11	GPLv2+
libsmartcols	2.32.1	LGPLv2+
libss	1.45.6	MIT
libstdc++	8.3.1	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libsysfs	2.1.0	LGPLv2+
libtasn1	4.13	GPLv3+ and LGPLv2+
libtecla	1.6.1	X11
libtiff	4.0.9	libtiff
libtirpc	1.1.4	SISSL and BSD
libtool-ltdl	2.4.6	LGPLv2+
libunistring	0.9.9	GPLv2+ or LGPLv3+
libunwind	1.3.1	BSD
libusbx	1.0.23	LGPLv2+
libuser	0.62	LGPLv2+
libuuid	2.32.1	BSD
libverto	0.3.0	MIT
libvolume_id	127	GPLv2
libwsman1	2.6.5	BSD

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NAME	VERSION	LICENSE TYPE
libxcrypt	4.1.1	LGPLv2+ and BSD and Public Domain
libxerces-c-3_2	3.2.3	Apache
libxml-security-c20	2.0.2	Apache 2.0
libxml2	2.9.7	MIT
libxmltooling10	3.2.0	Apache-2.0
libxslt	1.1.32	MIT
libyaml	0.1.7	MIT
libzip	1.6.1	BSD
libzstd	1.4.4	BSD and GPLv2
lm_sensors	3.4.0	GPLv2+ and Verbatim and MIT
lm_sensors-libs	3.4.0	LGPLv2+
lmdb-libs	0.9.24	OpenLDAP
lockdev	1.0.4	LGPLv2
logrotate	3.14.0	GPLv2+
lsof	4.93.2	zlib and Sendmail and LGPLv2+
lsscsi	0.3	GPLv2+
lua	5.3.4	MIT
lua-libs	5.3.4	MIT
lvm2	2.03.09	GPLv2
lz4-libs	1.8.3	GPLv2+ and BSD
lzo	2.08	GPLv2+
mailx	12.5	BSD with advertising and MPLv1.1
MAKEDEV	3.23	GPL
mariadb	10.5.9	GPLv2 with exceptions and LGPLv2 and BSD

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NAME	VERSION	LICENSE TYPE
mariadb-common	10.5.9	GPLv2 with exceptions and LGPLv2 and BSD
mariadb-connector-c	3.1.11	LGPLv2+
mariadb-connector-c-config	3.1.11	LGPLv2+
mariadb-errmsg	10.5.9	GPLv2 with exceptions and LGPLv2 and BSD
mariadb-server	10.5.9	GPLv2 with exceptions and LGPLv2 and BSD
mariadb-server-utils	10.5.9	GPLv2 with exceptions and LGPLv2 and BSD
mdadm	4.1	GPLv2+
mingetty	1.07	GPL
mongo	1	metaswitch
mongo-c-driver-libs	1.17.6	ASL 2.0 and ISC and MIT and zlib
mongodb	3.6.19	SSPL v1
mpfr	3.1.6	LGPLv3+ and GPLv3+ and GFDL
multipath-tools	0.4.9	GPL
nbd	2.9.20	GPL+
ncurses	6.1	MIT
ncurses-base	6.1	MIT
ncurses-libs	6.1	MIT
ncurses-term	6.1	MIT
net-snmp	5.8	BSD
net-snmp-agent-libs	5.8	BSD
net-snmp-libs	5.8	BSD
net-snmp-utils	5.8	BSD
net-tools	2	GPLv2+
nettle	3.4.1	LGPLv3+ or GPLv2+

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NAME	VERSION	LICENSE TYPE
nfs-utils	2.3.3	MIT and GPLv2 and GPLv2+ and BSD
nginx-bin	1.18.0	BSD
nginx-filesystem	1.18.0	BSD
npth	1.5	LGPLv2+
nspr	4.35.0	MPLv2.0
nss	3.90.0	MPLv2.0
nss-pam-ldapd	0.9.9	LGPLv2+
nss-softokn	3.90.0	MPLv2.0
nss-softokn-freebl	3.90.0	MPLv2.0
nss-sysinit	3.90.0	MPLv2.0
nss-tools	3.90.0	MPLv2.0
nss-util	3.90.0	MPLv2.0
ntfs-3g	2017.3.23	GPLv2+
ntfsprogs	2017.3.23	GPLv2+
ntp	4.2.8p15	MIT and BSD and BSD with advertising
ntpdate	4.2.8p15	MIT and BSD and BSD with advertising
ntpstat	0.5	MIT
numactl-libs	2.0.12	LGPLv2 and GPLv2
oniguruma5php	6.9.7.1	BSD
openjpeg2	2.4.0	BSD and MIT
openldap	2.4.46	OpenLDAP
openldap-clients	2.4.46	OpenLDAP
opensaml-schemas	3.2.0	Apache-2.0
openssh	8.0p1	BSD

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NAME	VERSION	LICENSE TYPE
openssh-clients	8.0p1	BSD
openssh-server	8.0p1	BSD
openssl	1.1.1g	OpenSSL and ASL 2.0
openssl-libs	1.1.1g	OpenSSL and ASL 2.0
openwsman-client	2.6.5	BSD
openwsman-server	2.6.5	BSD
p11-kit	0.23.14	BSD
p11-kit-trust	0.23.14	BSD
pacparser	1.3.7	LGPL
pam	1.3.1	BSD and GPLv2+
pam_krb5	2.4.8	BSD or LGPLv2+
panos-release	8.3	GPLv2
parted	3.2	GPLv3+
passwd	0.8	BSD or GPL+
pciutils	3.6.4	GPLv2+
pciutils-libs	3.6.4	GPLv2+
pcre	8.42	BSD
pcre2	10.32	BSD
perf	4.18.0	GPLv2
phantomjs	1.9.8	BSD
php	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-bcmath	7.4.33	PHP and LGPLv2+
php-cli	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA and PostgreSQL

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NAME	VERSION	LICENSE TYPE
php-common	7.4.33	PHP and BSD
php-embedded	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-fpm	7.4.33	PHP and Zend and BSD and MIT and ASL 1.0 and NCSA
php-gmp	7.4.33	PHP
php-json	7.4.33	PHP
php-mbstring	7.4.33	PHP and LGPLv2 and OpenLDAP
php-mysqlnd	7.4.33	PHP
php-pdo	7.4.33	PHP
php-pecl-mongodb	1.9.1	ASL 2.0
php-xml	7.4.33	PHP
pinentry	1.1.0	GPLv2+
pixman	0.38.4	MIT
pkgconf	1.4.2	ISC
pkgconf-m4	1.4.2	GPLv2+ with exceptions
pkgconf-pkg-config	1.4.2	ISC
platform-python	3.6.8	Python
platform-python-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
platform-python-setuptools	39.2.0	MIT
policycoreutils	2.9	GPLv2
policycoreutils-python-utils	2.9	GPLv2
popt	1.16	MIT
pprof	2.4	BSD

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NAME	VERSION	LICENSE TYPE
procps-ng	3.3.15	GPL+ and GPLv2 and GPLv2+ and GPLv3+ and LGPLv2+
protobuf-lite	3.5.0	BSD
psmisc	23.1	GPLv2+
pth	2.0.7	LGPLv2+
publicsuffix-list-dafsa	20180723	MPLv2.0
pybloomfiltermmap3	0.4.15	MIT License
pycrypto	2.6.1	Public Domain
pyrabbit2	1.0.7	MIT
python-collectd-cloudwatch	0.0.2	MIT
python-consul	1.1.0	MIT
python-libevent	0.9.2	LGPL
python3-asn1crypto	0.24.0	MIT
python3-audit	3	LGPLv2+
python3-bind	9.11.36	MPLv2.0
python3-bloom	0.10.0	BSD
python3-bson	3.7.0	ASL 2.0 and MIT
python3-catkin_pkg	0.4.23	BSD
python3-cffi	1.11.5	MIT
python3-chardet	3.0.4	LGPLv2
python3-colorclass	2.2.0	MIT
python3-cryptography	2.3	ASL 2.0 or BSD
python3-dateutil	2.6.1	BSD
python3-decorator	4.2.1	BSD

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NAME	VERSION	LICENSE TYPE
python3-distro	1.4.0	ASL 2.0
python3-docutils	0.14	Public Domain and BSD and Python and GPLv3+
python3-easygui	0.96	BSD
python3-empy	3.3.4	LGPLv2+
python3-httplib2	0.10.3	MIT
python3-idna	2.5	BSD and Python and Unicode
python3-inotify	0.9.6	MIT
python3-libarchive-c	2.8	CC0
python3-libs	3.6.8	Python
python3-libxml2	2.9.7	MIT
python3-m2crypto	0.35.2	MIT
python3-magic	5.33	BSD
python3-msoffcrypto	4.10.1	MIT
python3-mysql	1.4.6	GPLv2+
python3-olefile	0.46	BSD
python3-oletools	0.56	BSD and MIT and Python
python3-pcodedmp	1.2.6	GPLv3+
python3-pexpect	4.3.1	MIT
python3-pika	1.0.1	BSD
python3-pillow	5.1.1	MIT
python3-pip	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)
python3-pip-wheel	9.0.3	MIT and Python and ASL 2.0 and BSD and ISC and LGPLv2 and MPLv2.0 and (ASL 2.0 or BSD)

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NAME	VERSION	LICENSE TYPE
python3-ply	3.9	BSD
python3-policycoreutils	2.9	GPLv2
python3-prettytable	0.7.2	BSD
python3-psutil	5.6.4	BSD
python3-ptyprocess	0.5.2	ISC
python3-pycparser	2.14	BSD
python3-pycurl	7.43.0.2	LGPLv2+ or MIT
python3-pymilter	1.0.4	GPLv2+
python3-pymongo	3.7.0	ASL 2.0 and MIT
python3-pyparsing	2.1.10	MIT
python3-pypdf2	1.26.0	BSD
python3-pytz	2019.3	MIT
python3-pyyaml	3.12	MIT
python3-redis	3.5.3	MIT
python3-reportlab	3.4.0	BSD
python3-requests	2.20.0	ASL 2.0
python3-rosdep	0.19.0	BSD
python3-rosdistro	0.8.3	BSD and MIT
python3-rospkg	1.2.8	BSD
python3-rpm	4.14.3	GPLv2+
python3-setproctitle	1.1.10	BSD
python3-setuptools	39.2.0	MIT
python3-setuptools-wheel	39.2.0	MIT
python3-simplejson	3.17.0	(MIT or AFL) and (MIT or GPLv2)

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NAME	VERSION	LICENSE TYPE
python3-six	1.11.0	MIT
python3-urlgrabber	4.1.0	LGPLv2+
python3-urllib3	1.24.2	MIT
python3-uwsgidecorators	2.0.18	GPLv2 with exceptions and MIT
python3-vcstools	0.1.42	BSD
python36	3.6.8	Python
qemu-img	4.2.0	GPLv2 and GPLv2+ and CC-BY
qemu-kvm-vnc	4.2.0	GPLv2 and GPLv2+ and CC-BY
quota	4.04	BSD and GPLv2 and GPLv2+
quota-nls	4.04	BSD and LGPLv2+ and GPLv2 and GPLv2+
rabbitmq-server	3.8.9	MPLv2.0 and MIT and ASL 2.0 and BSD
rarfile	4	ISC
rcs	5.10.0	GPLv3+
rdma-core	29	GPLv2 or BSD
readline	7	GPLv3+
redis	5.0.3	BSD and MIT
redis-py-cluster	2.1.0	MIT
rootfiles	8.1	Public Domain
rpcbind	1.2.5	BSD
rpm	4.14.3	GPLv2+
rpm-build-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rpm-libs	4.14.3	GPLv2+ and LGPLv2+ with exceptions
rsync	3.1.3	GPLv3+
sbsigntools	0.9.2	GPLv3+

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NAME	VERSION	LICENSE TYPE
scrub	2.5.2	GPLv2+
sed	4.5	GPLv3+
setup	2.12.2	Public Domain
shadow-utils	4.6	BSD and GPLv2+
shim-x64	15	BSD
smartmontools	7.1	GPLv2+
snappy	1.1.8	BSD
sqlite	3.26.0	Public Domain
sqlite-libs	3.26.0	Public Domain
squashfs-tools	4.3	GPLv2+
sscep	0.9.0	BSD
sshpass	1.06	GPLv2
strongswan	5.9.3	GPLv2+
sysfsutils	2.1.0	GPLv2
syslog-ng	3.29.1	GPLv2+
sysstat	11.7.3	GPLv2+
SysVinit	2.86	GPL
tacacs	1	metaswitch
tar	1.3	GPLv3+
tcp_wrappers	7.6	BSD
tcp_wrappers-libs	7.6	BSD
tcpdump	4.9.3	BSD with advertising
tecla	1.6.3	X11
telnet	0.17	BSD

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NAME	VERSION	LICENSE TYPE
telnet-server	0.17	BSD
tftp	5.2	BSD
timedatex	0.5	GPLv2+
tokyocabinet	1.4.48	LGPLv2+
tor	0.4.4.6	BSD
tpm2-tss	2.3.2	BSD
traceroute	2.1.0	GPLv2+
tunctl	1.5	GPL+
tzdata	2023c	Public Domain
udev	127	GPLv2
unixODBC	2.3.7	GPLv2+ and LGPLv2+
unrar	5.4.0	see license.txt
ustr	1.0.4	MIT or LGPLv2+ or BSD
util-linux	2.32.1	GPLv2 and GPLv2+ and LGPLv2+ and BSD with advertising and Public Domain
util-linux-user	2.32.1	GPLv2
uwsgi	2.0.18	GPLv2 with exceptions and MIT
uwsgi-plugin-common	2.0.18	GPLv2 with exceptions and MIT
uwsgi-plugin-python3	2.0.18	GPLv2 with exceptions and MIT
vim-minimal	8.0.1763	Vim and MIT
vixie-cron	4.1	distributable
waofflinevmod	4.3.3.501	OPSWAT
wget	1.19.5	GPLv3+
which	2.21	GPLv3
wpaeapol	2.9	BSD

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NAME	VERSION	LICENSE TYPE
xinetd	2.3.15	xinetd
xmltodict	0.12.0	MIT
xmltooling-schemas	3.2.0	Apache-2.0
xz	5.2.4	GPLv2+ and Public Domain
xz-libs	5.2.4	Public Domain
yara	3.11.0	ASL 2.0
yara-python	4.0.5	Apache 2.0
zlib	1.2.11	zlib and Boost

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NAME	VERSION	LICENSE TYPE
acl	2.2.51	GPLv2+
appliance	1	gpl
apr	1.4.8	ASL 2.0 and BSD with advertising and ISC and BSD
apr-util	1.5.2	ASL 2.0
attr	2.4.46	GPLv2+
audit	2.4.1	GPLv2+
audit-libs	2.4.1	LGPLv2+
basesystem	10	Public Domain
bash	4.2.46	GPLv3+
beecrypt	4.2.1	LGPLv2+
bind	9.11.4	ISC
bind-export-libs	9.11.4	ISC
bind-libs	9.11.4	ISC
bind-libs-lite	9.11.4	ISC
bind-license	9.11.4	ISC
bind-utils	9.11.4	ISC
binutils	2.27	GPLv3+
bonnie++	1.03d	GPL
boost-program-options	1.53.0	Boost and MIT and Python
bridge-utils	1.5	GPLv2+
bzip2	1.0.6	BSD
bzip2-libs	1.0.6	BSD

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NAME	VERSION	LICENSE TYPE
centos-release	7	GPLv2
chicken	3.0.0	BSD
chkconfig	1.3.61	GPLv2
consul	0.7.0	Mozilla Public License, v2.0
coreutils	8.22	GPLv3+
cpio	2.11	GPLv3+
cpp	4.8.5	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
cracklib	2.9.0	LGPLv2+
cracklib-dicts	2.9.0	LGPLv2+
crontabs	1.11	Public Domain and GPLv2
curl	7.60.0	MIT
davici	1.3.0	LGPLv2.1+
dejavu-fonts-common	2.33	Bitstream Vera and Public Domain
dejavu-sans-fonts	2.33	Bitstream Vera and Public Domain
device-mapper	1.02.107	GPLv2
device-mapper-libs	1.02.107	LGPLv2
dhclient	4.2.5	ISC
dhcp-common	4.2.5	ISC
dhcp-libs	4.2.5	ISC
diffutils	3.3	GPLv3+
docker-ce	17.12.1	ASL 2.0
e2fsprogs	1.42.9	GPLv2
e2fsprogs-libs	1.42.9	GPLv2 and LGPLv2

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NAME	VERSION	LICENSE TYPE
efivar	36	LGPLv2+
efivar-libs	36	LGPLv2+
elfutils-libelf	0.176	GPLv2+ or LGPLv3+
erlang	18.3	ERPL
ethtool	4.5	GPLv2
eventlog	0.2.12	BSD-like
expat	2.1.0	MIT
fastlz	0.1.0	MIT
file	5.11	BSD
file-libs	5.11	BSD
filesystem	3.2	Public Domain
findutils	4.5.11	GPLv3+
fipscheck	1.4.1	BSD
fipscheck-lib	1.4.1	BSD
flatcc	1	metaswitch
fontconfig	2.10.95	MIT and Public Domain and UCD
fontpackages-filesystem	1.44	Public Domain
freetype	2.4.11	(FTL or GPLv2+) and BSD and MIT and Public Domain and zlib with acknowledgement
fuse-libs	2.7.4	LGPLv2+
gawk	4.0.2	GPLv3+ and GPL and LGPLv3+ and LGPL and BSD
gdb	7.12	GPLv3+ and GPLv3+ with exceptions and GPLv2+ and GPLv2+ with exceptions and GPL+ and LGPLv2+ and BSD and Public Domain

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NAME	VERSION	LICENSE TYPE
gdisk	0.8.10	GPLv2
gearmand	1.1.8	BSD
glib2	2.56.1	LGPLv2+
glibc	2.17	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+
glibc-common	2.17	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+
glibc-debuginfo	2.17	LGPLv2+ and LGPLv2+ with exceptions and GPLv2+
gmp	6.0.0	LGPLv3+ or GPLv2+
gnupg2	2.0.22	GPLv3+
gperftools-libs	2.4	BSD
grep	2.2	GPLv3+
grub	6.0.97	GPL
grub-cfg	10.1.14.1	GPL
guestfs	1	gpl
gzip	1.5	GPLv3+ and GFDL
hiredis	1.0.2	BSD
httpd	2.4.6	ASL 2.0
httpd-tools	2.4.6	ASL 2.0
info	5.1	GPLv3+
initscripts	8.45.15	GPL
ipmitool	1.8.13	BSD
iproute	3.10.0	GPLv2+ and Public Domain
iptables	1.4.21	GPLv2
iptables-utils	1.4.21	GPLv2

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NAME	VERSION	LICENSE TYPE
iputils	20121221	BSD and GPLv2+
irqbalance	1.13	GPL/OSL
jre	1.8.0_201	Oracle Binary Code License Agreement For JRE
kernel-core	4.18.0	GPLv2 and Redistributable, no modification permitted
kernel-modules	4.18.0	GPLv2 and Redistributable, no modification permitted
keyutils	1.5.8	GPLv2+ and LGPLv2+
keyutils-libs	1.5.8	GPLv2+ and LGPLv2+
krb5-libs	1.13.1	MIT, freely distributable.
krb5-workstation	1.13.1	MIT, freely distributable.
less	458	GPLv3+
leveldb	1.15.0	BSD
libacl	2.2.51	LGPLv2+
libaio	0.3.109	LGPLv2+
libarchive	3.1.2	BSD
libassuan	2.1.0	LGPLv2+ and GPLv3+
libattr	2.4.46	LGPLv2+
libblkid	2.23.2	LGPLv2+
libcap	2.22	LGPLv2+
libcap-ng	0.7.5	LGPLv2+
libcjson	0.0.1	FIXME
libcom_err	1.42.9	MIT
libcurl	7.60.0	MIT
libdb	5.3.21	BSD and LGPLv2 and Sleepycat

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NAME	VERSION	LICENSE TYPE
libdb-utils	5.3.21	BSD and LGPLv2 and Sleepycat
libdrng	1.0.4	Intel (3-clause BSD)
libevent	2.0.21	BSD
libffi	3.2.1	libffi
libgcc	4.8.5	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libgearman	1.1.8	BSD
libgssglue	0.1	GPL+
libidn	1.28	LGPLv2+ and GPLv3+ and GFDL
libjpeg-turbo	1.2.90	IJG
liblog4shib1	1.0.9	LGPL
libmcrypt	2.5.8	LGPLv2+
libmount	2.23.2	LGPLv2+
libnet	1.1.6	BSD
libnfnetlink	1.0.1	GPLv2+
libnfsidmap	0.25	BSD
libpcap	1.5.3	BSD with advertising
libpng	1.5.13	zlib
libpwquality	1.2.3	BSD or GPLv2+
libsaml8	2.5.5	Apache 2.0
libselinux	2.2.2	Public Domain
libsemanage	2.1.10	LGPLv2+
libsepol	2.1.9	LGPLv2+
libss	1.42.9	MIT

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NAME	VERSION	LICENSE TYPE
libstdc++	4.8.5	GPLv3+ and GPLv3+ with exceptions and GPLv2+ with exceptions and LGPLv2+ and BSD
libsysfs	2.1.0	LGPLv2+
libtecla	1.6.1	X11
libtirpc	0.2.4	SISSL and BSD
libtool-ltdl	2.4.2	LGPLv2+
libunwind	1.1	BSD
libuser	0.6	LGPLv2+
libuuid	2.23.2	BSD
libvolume_id	127	GPLv2
libxerces-c-3_1	3.1.2	Apache 2.0
libxml-security-c17	1.7.3	Apache 2.0
libxml2	2.9.7	MIT
libxmltooling7	1.6.4	Apache-2.0
libxslt	1.1.28	MIT
libyaml	0.1.4	MIT
lm_sensors	3.3.4	LGPLv2+ and GPLv3+ and GPLv2+ and Verbatim and Public domain
lm_sensors-libs	3.3.4	LGPLv2+ and GPLv3+ and GPLv2+ and Verbatim and Public domain
lockdev	1.0.4	LGPLv2
logrotate	3.8.6	GPL+
lua	5.3.2	MIT
lvm2	2.02.130	GPLv2
lvm2-sysvinit	2.02.130	GPLv2

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NAME	VERSION	LICENSE TYPE
lzo	2.06	GPLv2+
m2crypto	0.30.1	MIT
mailx	12.5	BSD with advertising and MPLv1.1
MAKEDEV	3.23	GPL
mdadm	4.1rc.1.2	GPLv2+
mingetty	1.07	GPL
module-init-tools	3.3	GPL
mongodb	3.4.20	AGPLv3
multipath-tools	0.4.9	GPL
MySQL-client	5.5.28	Copyright (c) 2000, 2012, Oracle and/or its affiliates. All rights reserved. Under GPL license as shown in the Description field.
MySQL-python	1.2.3	GPLv2+
MySQL-server	5.5.28	Copyright (c) 2000, 2012, Oracle and/or its affiliates. All rights reserved. Under GPL license as shown in the Description field.
MySQL-shared	5.5.28	Copyright (c) 2000, 2012, Oracle and/or its affiliates. All rights reserved. Under GPL license as shown in the Description field.
nbd	2.9.20	GPL+
ncurses	5.9	MIT
ncurses-base	5.9	MIT
ncurses-libs	5.9	MIT
ncurses-term	5.9	MIT
net-snmp	5.8	BSD
net-snmp-agent-libs	5.8	BSD
net-snmp-libs	5.8	BSD

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NAME	VERSION	LICENSE TYPE
net-snmp-utils	5.8	BSD
net-tools	2	GPLv2+
nfs-utils	1.3.0	MIT and GPLv2 and GPLv2+ and BSD
nspr	4.25.0	MPLv2.0
nss	3.53.1	MPLv2.0
nss-softokn	3.53.1	MPLv2.0
nss-softokn-freebl	3.53.1	MPLv2.0
nss-sysinit	3.53.1	MPLv2.0
nss-tools	3.53.1	MPLv2.0
nss-util	3.53.1	MPLv2.0
ntfs-3g_ntfsprogs	2012.1.15	GPL
ntp	4.2.8p6	(MIT and BSD and BSD with advertising) and GPLv2
ntpdate	4.2.8p6	(MIT and BSD and BSD with advertising) and GPLv2
numactl-libs	2.0.9	LGPLv2 and GPLv2
openldap	2.4.40	OpenLDAP
openldap-clients	2.4.40	OpenLDAP
opensaml-schemas	2.5.5	Apache 2.0
openssh	7.7p1	BSD
openssh-clients	7.7p1	BSD
openssh-server	7.7p1	BSD
openssl	1.0.1e	OpenSSL
openwsman	2.6.0	BSD-3-Clause
pacparser	1.3.7	LGPL

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NAME	VERSION	LICENSE TYPE
pam	1.1.8	BSD and GPLv2+
pam_krb5	2.4.8	BSD or LGPLv2+
pam_ldap	1.8.4	LGPL
parted	3.1	GPLv3+
passwd	0.79	BSD or GPL+
pciutils-libs	3.2.1	GPLv2+
pcre	8.32	BSD
pexpect	2.3	MIT
phantomjs	1.9.8	BSD
php	5.6.25	PHP and Zend and BSD
php-cli	5.6.25	PHP and Zend and BSD
php-common	5.6.25	PHP and BSD and ASL 1.0
php-embedded	5.6.25	PHP and Zend and BSD
php-httpd	5.6.25	PHP and Zend and BSD
php-pecl-jsonc	1.3.6	PHP
pinentry	0.8.1	GPLv2+
popt	1.13	MIT
pprof	2.4	BSD
procps-ng	3.3.10	GPL+ and GPLv2 and GPLv2+ and GPLv3+ and LGPLv2+
psmisc	22.2	GPLv2+
pth	2.0.7	LGPLv2+
pymongo	3.0.3	ASL 2.0 and MIT
python	2.7.5	Python
python-backports	1	Public Domain

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NAME	VERSION	LICENSE TYPE
python-backports-lzma	0.0.2	BSD
python-bloom	0.1.12	generic
python-bson	3.0.3	ASL 2.0 and MIT
python-collectd-cloudwatch	0.0.1	MIT
python-consul	0.6.1	MIT
python-decorator	4.0.10	BSD
python-dpkt	1.8.6	MIT
python-gearman	2.0.2	Apache-1.0
python-hiredis	0.2.0	BSD
python-httplib2	0.9.2	MIT
python-inotify	0.5	LGPLv2.1
python-libarchive	0.4.3	GPL 2
python-libevent	0.9.2	GNU LESSER GENERAL PUBLIC LICENSE
python-libs	2.7.5	Python
python-magic	5.11	BSD
python-mcrypt	1.1	LGPLv2.1
python-oletools	0.5	MIT
python-pika	0.10.0	BSD
python-pillow	2.0.0	MIT
python-prettytable	0.7.2	BSD
python-psutil	3.3.0	BSD
python-pycrypto	2.6.1	Public domain
python-pycurl	7.43.0	LGPL/MIT
python-pyrabbit	1.1.0	MIT

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NAME	VERSION	LICENSE TYPE
python-pytz	2015.7	MIT
python-rarfile	3	ISC
python-redis	2.10.5	MIT
python-redis-py-cluster	1.1.0	MIT
python-reportlab	2.5	BSD
python-requests	2.13.0	Apache 2.0
python-setproctitle	1.1.9	BSD
python-simplejson	3.8.2	MIT
python-six	1.10.0	MIT
python-urlgrabber	3.1	LGPLv2+
python-uwsgi	2.0.12	GPL2
python-xmltodict	0.9.0	MIT
python2-libxml2	2.9.7	MIT
python2-typing	3.6.2	Python
PyYAML	3.1	MIT
qemu-kvm	0.15.1	GNU General Public License
rabbitmq-server	3.6.1	MPLv1.1 and MIT and ASL 2.0 and BSD
rcs	5.9.0	GPLv3+
readline	6.2	GPLv3+
redis	6.2.6	BSD and MIT
rootfiles	8.1	Public Domain
rpcbind	0.2.0	BSD
rpm	4.11.3	GPLv2+
rpm-libs	4.11.3	GPLv2+ and LGPLv2+ with exceptions

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NAME	VERSION	LICENSE TYPE
rpm-python	4.11.3	GPLv2+
rsync	3.0.9	GPLv3+
scrub	2.5.2	GPLv2+
sed	4.2.2	GPLv3+
setup	2.8.71	Public Domain
shadow-utils	4.1.5.1	BSD and GPLv2+
smartmontools	6.4	GPLv2
snappy	1.1.0	BSD
sqlite	3.7.17	Public Domain
sscep	1.0.0	BSD
sshpass	1.05	GPL
strongswan	5.6.0	GPLv2+
sysfsutils	2.1.0	GPLv2
sysklogd	1.4.1	GPL
syslog-ng	3.29.1	GPLv2+
sysstat	10.1.5	GPLv2+
SysVinit	2.86	GPL
tar	1.26	GPLv3+
tcp_wrappers	7.6	BSD
tcp_wrappers-libs	7.6	BSD
tcpdump	4.5.1	BSD with advertising
telnet	0.17	BSD
telnet-server	0.17	BSD
tftp	5.2	BSD

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NAME	VERSION	LICENSE TYPE
tor	0.4.7.13	BSD
traceroute	2.0.19	GPLv2+
tunctl	1.5	GPL+
tzdata	2023c	Public Domain
udev	127	GPLv2
unixODBC	2.3.1	GPLv2+ and LGPLv2+
unrar	5.2.2	Freeware
ustr	1.0.4	MIT or LGPLv2+ or BSD
util-linux	2.23.2	GPLv2 and GPLv2+ and LGPLv2+ and BSD with advertising and Public Domain
util-linux-extras	2.23.2	LGPLv2+
vim-minimal	7.4.629	Vim
vixie-cron	4.1	distributable
waofflinevmod	4.3.3.501	OPSWAT
wget	1.16.2	GPL
wpaeapol	2.6	BSD
xinetd	2.3.15	xinetd
xmltooling-schemas	1.6.4	Apache-2.0
xz-libs	5.1.2	LGPLv2+
yara	3.8.1	ASL 2.0
yara-python	3.8.1	ASL 2.0
zlib	1.2.7	zlib and Boost

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NAME	VERSION	LICENSE TYPE
ACL	2.2.51	LGPLv2.1
androguard	3.1.0~rc1	Apache License 2.0
Apache Felix Gogo Command	0.10.0. v201209301215	Apache License 2.0
Apache Felix Gogo Runtime	0.10.0. v201209301036	Apache License 2.0
Apache Felix Gogo Shell	0.10.0. v201212101605	Apache License 2.0
Apache Felix Http Api	2.3.2	Apache License 2.0
Apache Felix Log Service	1.0.1	Apache License 2.0
Apache Felix Metatype Service	1.0.12	Apache License 2.0
Apache Geronimo	1.2-beta	Apache License 2.0
Apache HTTP Server	2.4.6	Apache License 2.0
Apache HttpComponents Client	4.2.6	Apache License 2.0
Apache HttpComponents Core	4.2.5	Apache License 2.0
Apache HttpMime	4.2.6	Apache License 2.0
Apache Lucene Analysis	3.5.0. v20120725-1805	Apache License 2.0
Apache Portable Runtime	1.4.8	Apache License 2.0
Apache XML Commons	1.4.01	Apache License 2.0
appflower_studio	1.0beta-preview	GPLv3.0

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NAME	VERSION	LICENSE TYPE
apr-util	1.5.2	Apache License 2.0
attr	2.4.46	GPLv2.0
attr-lib	2.4.47	LGPLv2.1
Audit	2.4.1	GPLv2.0
audit-libs	2.4.1	LGPLv2.1
backports.lzma	0.0.2	BSD 3-clause "New" or "Revised" License
basesystem	10.0.8	GPLv2.0
Bash	4.2.46	GPLv3.0
Batik XML utility library	1.7	Apache License 2.0
beecrypt	4.2.1	LGPLv2.1
Bidirectional Text Support	1.0.0	Eclipse Public License 1.0
BIND (Berkeley Internet Name Domain)	9.9.4	ISC License
bind-libs	9.9.4	ISC License
bind-libs-lite	9.9.4	ISC License
bind-license	9.9.4	ISC License
bind-utils	9.9.4	ISC License
binutils	2.24	GPLv3.0 or later
Bluebird JS	3.5.0	MIT License
bluemusic	2.5.14	GPLv2.0
Boost C++ Libraries	1.53.0	Boost Software License 1.0
Bootstrap (Twitter)	3.3.5	MIT License
bootstrap-multiselect	20180515 -snapshot -63a9191d	MIT License

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NAME	VERSION	LICENSE TYPE
bridge-utils	1.5	GPLv2.0
bsdutils	2.30.2	GPLv2.0 or later
Bundle for Workbench APIs available in e4	0.14.100	Eclipse Public License 1.0
bzip2	1.0.6	BSD 3-clause "New" or "Revised" License
bzip2-libs	1.0.6	BSD 3-clause "New" or "Revised" License
cavaliercoder/go-rpm	20170617 - snapshot - c7209c35	BSD 3-clause "New" or "Revised" License
centos-release	7	GPLv2.0
chart	3.2.0	Apache License 2.0
chkconfig	1.3.61	GPLv2.0
ci-node-server	0.0.6	MIT License
cloudinary_js	1.0.4	MIT License
CodeMirror	3.23.0	MIT License
com.sun.tools.visualvm.host	1.0.0	GPLv3.0
com.sun.tools.visualvm.jmx	1.0.0	GPLv3.0
com.sun.tools.visualvm.jvm	2.1.0	GPLv3.0
com-sun-tools-visualvm-api-caching	RELEASE139	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-application	RELEASE139	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-application-views	RELEASE138	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-attach	RELEASE139	GPLv2.0 w/Classpath exception

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com-sun-tools-visualvm-charts	RELEASE139	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-core	RELEASE135	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-coredump	RELEASE138	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-heapdump	RELEASE138	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-host	RELEASE135	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-host-remote	RELEASE139	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-host-views	RELEASE139	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-jvmstat	RELEASE138	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-modules-appui	RELEASE139	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-modules-startup	RELEASE138	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-profiler	RELEASE139	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-profiling	RELEASE139	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-sa	RELEASE135	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-sampler	RELEASE138	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-threaddump	RELEASE135	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.0
Console plug-in	1.1.200	Eclipse Public License 1.0

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Control System Studio	20181203 -snapshot -1b86455b	Eclipse Public License 1.0
cpp	4.8.5	GPLv3.0
cracklib	2.9.0	LGPLv2.1
cracklib2	2.8.16	LGPLv2.1
crontabs	1.11	Public Domain
D3.js	3.4.11	BSD 3-clause "New" or "Revised" License
DB	5.3.21	Alternative Commercial License Available
Debian Php	5.3.3	PHP License v3.01
decorator	4.0.10	BSD 3-clause "New" or "Revised" License
dejavu-fonts-common	2.33	Bitstream Vera Fonts Copyright
dejavu-sans-fonts	2.33	Bitstream Vera Fonts Copyright
device-mapper	1.02.107	GPLv2.0
device-mapper-libs	1.02.107	LGPLv2.1
devtoolset-3-binutils	2.24	GPLv3.0
dhclient	4.2.5	ISC License
dhcp-common	4.2.5	ISC License
dhcp-doc	4.3.4	ISC License
dhcp-libs	4.2.5	ISC License
dicompyler	0.4.2	BSD 3-clause "New" or "Revised" License
diff	3.3	GPLv2.0 OR Free Documentation License v1.1 OR Free Documentation License v1.3 OR GPLv3.0
diskscrub	2.5.2	GPLv2.0

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DOMjudge	4.0-dev-end	LGPLv2.1
drozer	2.4.4	BSD 3-clause "New" or "Revised" License
e2fsprogs	1.42.9	GPLv2.0 AND LGPLv2.1
Eclipse	4.4.1	Eclipse Public License 1.0
Eclipse Bindings Support	0.11+E114:E133.100	Eclipse Public License 1.0
Eclipse Content Mechanism	3.4.200. v20140207-1251	Eclipse Public License 1.0
Eclipse CSS Core Support	0.12.101	Eclipse Public License 1.0
Eclipse CSS SWT Support	0.12.100	Eclipse Public License 1.0
Eclipse CSS SWT Theme Support	0.12.0	Eclipse Public License 1.0
Eclipse Dependency Injection	1.7.0	Eclipse Public License 1.0
Eclipse Dependency Injection Annotations	1.5.0	Eclipse Public License 1.0
Eclipse Dependency Injection Extensions	0.14.0	Eclipse Public License 1.0
Eclipse e4 Workbench Add-ons	1.2.101	Eclipse Public License 1.0
Eclipse ECJ	3.7.2	Eclipse Public License 1.0
eclipse equinox security	1.2.0. v20130424-1801	Eclipse Public License 1.0
Eclipse Help System Base	4.0.201. v20150204	Eclipse Public License 1.0
Eclipse Jobs Mechanism	3.6.0. v20140424-0053	Eclipse Public License 1.0
Eclipse Preferences Mechanism	3.5.200. v20140224-1527	Eclipse Public License 1.0
Eclipse SDK Themes	1.1.300	Eclipse Public License 1.0

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Eclipse touchpoint bundle	2.1.200.v20130327-2119	Eclipse Public License 1.0
Eclipse UI	3.5.0.I20090604-2000	Eclipse Public License 1.0
Eclipse UI Dependency Injection	1.1.100	Eclipse Public License 1.0
Eclipse Workbench Model	1.2.0	Eclipse Public License 1.0
eclipse.equinox.event	1.3.100.v20140115-1647	Eclipse Public License 1.0
elfutils	0.176	GPLv3.0
Equinox	1.4.100.v20140514-1614	Eclipse Public License 1.0
Equinox Framework Admin	2.0.300	Eclipse Public License 1.0
Equinox Provisioning Director Application	1.0.500	Eclipse Public License 1.0
Equinox Provisioning JAR Processor	1.0.500	Eclipse Public License 1.0
Equinox Provisioning Operations API	2.4.200	Eclipse Public License 1.0
Equinox Provisioning Platform Update Support	1.0.400	Eclipse Public License 1.0
Equinox Security Default UI	1.1.300	Eclipse Public License 1.0
erlang	18.2.2	Apache License 2.0
erlang-base	18.2-dfsg	Apache License 2.0
erlang-erts	18.2.2	Apache License 2.0
erlang-kernel	18.2.2	Apache License 2.0
erlang-otp_mibs	18.3	Apache License 2.0
erlang-stdlib	18.2.2	Apache License 2.0

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erlang-syntax_tools	18.3	Apache License 2.0
es5-shim	4.0.3	MIT License
EventLog Library	0.2.12	BSD 3-clause "New" or "Revised" License
Expat XML Parser	2.1.0	MIT License
Expression Language	3.4.600.v20140128-0851	Eclipse Public License 1.0
Ext JS	3.2.0	Ext JS Commercial License OR Ext Exception to GPL 3.0 for Applications
Ext JS - Jangaroo Packaged	0.8.10	Affero GPLv3.0 AND GPLv3.0
Ext JS Ext.ux.YoutubePlayer	20080327	LGPLv2.1
Ext.ux.Livegrid Extension	0.5	Alternative Commercial License Available OR GPLv3.0
famfamfam-silk	1.3	Creative Commons Attribution 3.0
fastlz	0.1.0	MIT License
file	5.11	Fine Free File Command License
file-libs	5.11	BSD 3-clause "New" or "Revised" License
FileSaver.js	d8c81c105f3f952326ead7700c8cf6da2690eba0	MIT License
findutils	4.5.11	GPLv3.0
fipscheck	1.4.1	BSD 3-clause "New" or "Revised" License
fipscheck-lib	1.4.1	BSD 3-clause "New" or "Revised" License
firepad	0.1.4	MIT License
Flot	0.8.1	MIT License

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FluidDB-Explorer	20110203 -snapshot -820c771f	Apache License 2.0
fontconfig	2.10.95	MIT License
FUSE	2.7.4	GPLv1.0 or later
Gawk	4.0.2	BSD 3-clause "New" or "Revised" License AND LGPLv3.0 or later AND GPLv3.0 or later
GDB	7.12	GPLv3.0
gdisk	0.8.10	GPLv2.0
gearmand	1.1.8	BSD 3-clause "New" or "Revised" License
Genius-Android	CAPRICE-V2.1.1	Apache License 2.0
GitHub's jsPDF	1.2.61	MIT License
gkernel: rng-tools / ethtool	4.5	GPLv2.0
GLib2	2.42.2	LGPLv2.1
global-store	0.7.1	MIT License
GMP	6.0.0	GPLv2.0 OR LGPLv3.0
GNU awk	4.0.2	GPLv3.0
GNU Binutils	2.23.52.0.1	GPLv3.0
GNU C Library	2.17	LGPLv2.1
GNU Compiler Collection	4.8.5	GPLv2.0 or later AND LGPLv3.0 or later AND LGPLv2.1 or later AND GPLv3.0 or later
GNU Core Utilities	8.22	GPLv3.0
GNU cpio	2.11	GPLv3.0
GNU grep	2.2	GPLv3.0

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GNU Libtool	2.4.2	GPLv2.0
GNU Ncurses	5.9	Free Software Foundation - MIT License (MIT+)
GNU Parted	3.1	GPLv3.0
GNU tar	1.26	GPLv3.0
GnuPG	2.0.22	LGPLv3.0 AND GPLv3.0
google-perftools	2.4	BSD 3-clause "New" or "Revised" License
google-snappy	1.1.0	BSD 3-clause "New" or "Revised" License
gpxe-roms-qemu	0.9.7	GPLv2.0
graphael	1.1.0	MIT License
grub	0.97	GPLv2.0
gzip	1.5	GPLv3.0 AND GFDL
Help System UI	4.0.200	Eclipse Public License 1.0
Help System Webapp	3.9.0	Eclipse Public License 1.0
Highcharts JS	4.2.5	Creative Commons Attribution Non Commercial 3.0 OR Alternative Commercial License Available
hiredis	0.2.0	BSD 3-clause "New" or "Revised" License
Http Service Registry Extensions	1.1.300. v20130402-1529	Eclipse Public License 1.0
Http Services Servlet	1.1.500	Eclipse Public License 1.0
httpd-tools	2.4.6	Apache License 2.0
httplib2	0.9.2	MIT License
IBM ICU	52.1.0. v201404241930	Eclipse Public License 1.0
initscripts	8.45.14.EL	GPLv3.0 or later

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IPMI Tool	1.8.13	BSD 3-clause "New" or "Revised" License
iproute2	3.10.0	GPLv2.0
IPTables	1.4.21	GPLv2.0
iputils	s20121221	GPLv2.0 AND BSD 3-clause "New" or "Revised" License AND Sun RPC License
IPython	2.4.1	BSD 3-clause "New" or "Revised" License
irqbalance	1.13	GPLv3.0
is-loading	1.0.1	MIT License
iterate-ch/cyberduck	release-4-7-7	GPLv3.0
Jasper Jsp Registry Support Plug-in	1.0.300. v20130327	Eclipse Public License 1.0
Java API for XML Processing	1.4	Apache License 2.0 OR W3C Software Notice and License (2002-12-31)
Java API for XML Web Services 2.2	2.0.4.Final	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.1
Java Architecture for XML Binding	2.3.0	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.1
Java Platform Standard Edition (JRE) (J2RE)	8u181	Oracle Binary Code JRE and JDK 7 License
Java Servlet API	2.1-rev-1	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.1
Java(TM) API for XML-Based Web Services 2.3	1.0.0.Final	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.1
JavaBeans Activation Framework	1.2.0	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.1

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JavaMail	1.4.6	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.1
JavaMail API dsn support	1.4.7	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.0
JavaMail API Gmail IMAP provider	1.4.6	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.1
JavaMail API pop3 provider	1.4.6	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.0
JavaMail API smtp provider	1.4.6	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.0
JavaScript-Canvas-to-Blob	2.0.5	MIT License
Javax Inject from the JSR-330 Expert Group	1	Apache License 2.0
javax.servlet	3.0.0. v201112011016	Eclipse Public License 1.0
javax.servlet API v.2.5	3.1-b41	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.0
javax.servlet.jsp	2.2.0. v201112011158	Eclipse Public License 1.0
JBoss Drools	5.2.0.015	Apache License 2.0
Jetty :: Servlet Handling	8.1.14. v20131031	Apache License 2.0 AND Eclipse Public License 1.0
Jetty Orbit :: EL	2.2.0. v201303151357	Apache License 2.0 AND Eclipse Public License 1.0
Jetty Orbit :: javax el	2.2.0. v201303151357	Apache License 2.0 AND Eclipse Public License 1.0

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Jetty Orbit :: JSP Impl	2.2.2. v201501141630	Apache License 2.0 AND Eclipse Public License 1.0
Jetty: Java based HTTP, Servlet, SPDY, WebSocket Server	8.1.14. v20131031	Apache License 2.0 AND Eclipse Public License 1.0
JFace Data Binding	1.2.0	Eclipse Public License 1.0
JFace Data Binding for JavaBeans	1.3.100	Eclipse Public License 1.0
jQuery	1.12.2	MIT License
jQuery Mousewheel	3.1.6	MIT License
jQuery UI	1.11.0-1	MIT License
jquery-ejs	master-20101212	GPLv2.0
jQuery-Knob	1.2.2	MIT License
JSON2	0.01.0	LGPLv3.0
JSONPath	0.8.0	MIT License
jspdf-autotable	2.3.0	MIT License
jspm-resolve	1.0.6	MIT License
Jython	2.7.5	Jython License
keyutils	1.5.8	GPLv2.0 AND LGPLv2.1
keyutils-libs	1.5.8	GPLv2.0 AND LGPLv2.1
knottie-sammy	0.7.6	MIT License
Less	458	GPLv3.0
libaio	0.3.109	LGPLv2.1
libaio-dev	0.3.109	LGPLv2.1
libarchive	3.1.2	BSD 2-clause "Simplified" License

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libassuan	2.1.0	LGPLv2.1 OR GPLv3.0
libcap-dev	2.22	LGPLv2.1
libcap-ng	0.7.5	LGPLv2.1
libcomerr2	1.42.9	MIT License
libdb	5.3.21	BSD 3-clause "New" or "Revised" License
libdb-utils	5.3.21	BSD 3-clause "New" or "Revised" License
libevent	2.0.21	BSD 3-clause "New" or "Revised" License
libffi	3.2.1	MIT License
libgcc	4.8.5	GPLv3.0
libgearman	1.1.8	BSD 3-clause "New" or "Revised" License
libgssglue	0.1	GPLv1.0 or later
libgssglue1	0.1	BSD 3-clause "New" or "Revised" License OR Xmlproc License OR Christian Michelsen Research License OR Silicon Graphics New License
libguestfs	1.16.19	LGPLv2.1
libidn	1.28	LGPLv2.1
libjpeg	1.2.90	BSD 3-clause "New" or "Revised" License
libjpeg-turbo	1.2.90	Independent JPEG Group License
libksba	1.3.5	GPLv2.0 AND Internet Society - RFC License AND LGPLv3.0 AND GPLv3.0
liblockdev1	1.0.4	LGPLv2.1
libmount	2.23.2	LGPLv2.1
libnfnetlink	1.0.1	GPLv2.0
libnfsidmap	0.25	BSD 3-clause "New" or "Revised" License

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libnfsidmap-dev	0.25	BSD 3-clause "New" or "Revised" License
libntfs-3g-dev	2012.1.15AR.5	LGPLv2.1
libpcap	1.5.3	BSD 3-clause "New" or "Revised" License
libpng	1.5.13	libpng License
libpth-dbg	2.0.7	LGPLv2.1
libpwquality	1.2.3	GPLv2.0 OR BSD 3-clause "New" or "Revised" License
libselinux	2.2.2	Public Domain
libsemanage	2.1.10	LGPLv2.1
libss	1.42.9	MIT License
libstdc++	4.8.5	GPLv3.0
libtirpc	0.2.4	BSD 3-clause "New" or "Revised" License
libunwind	1.1	MIT License
libuser	0.6	LGPLv2.1
libxml2-python	2.9.4	MIT License
libxslt	1.1.28	BigInteger License
Linux Diagnostic Tools	2.1.0	GPLv2.0 AND LGPLv2.1 AND Eclipse Public License 1.0
Linux kernel	3.10.0-957	GPLv2.0
Linux NTFS file system support	2.0.0	GPLv2.0
Linux-Pam	1.1.8	GPLv2.0 OR BSD 3-clause "New" or "Revised" License
logrotate	3.8.6	GPLv2.0
Lucene Analyzers	3.5.0	Apache License 2.0

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LVM2	2.02.130	GPLv2.0
lvm2-sysvinit	2.02.130	GPLv2.0
LZO real-time data compression library	2.06	GPLv2.0
M2Crypto	0.30.1	M2Crypto License (similar to Historical Permission Notice and Disclaimer)
magda-io/magda	v0.0.32	Apache License 2.0
Magic Assistant	1.3.1.13	Eclipse Public License 1.0
mailx	12.5	BSD-4-Clause (University of California-Specific) AND Mozilla Public License 1.1
MAKEDEV	3.23	GPLv2.0
Maven definition for updater.jar - external part of NetBeans module.	RELEASE802	Common Development and Distribution License 1.0 OR GPLv2.0
mcrypt	2.5.8	GPLv2.0
Metro OSGi API bundle for GlassFish V3	2.4.2	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.1
mingetty	1.07	GPLv2.0
Modernizr	2.0.6	MIT License
module-init-tools	3.3	GPLv2.0
MongoDB	2.4.8	Affero GPLv3.0 AND Apache License 2.0
Mozilla NSS	3.16.2.3	Mozilla Public License 2.0
ms-amqp-transport	9.0.0	MIT License
mumble-django	2.5	GPLv2.0 or later
Mura CMS	6.0.5375	GPLv2.0 OR Alternative Commercial License Available

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MySQL	5.5.28	MySQL GPL2 FLOSS Exception v0.6 License
MySQL for Python	1.2.3	GPLv3.0
mythtv-doc	29.0+fixes.20170728.696806310a	GPLv2.0
nbd	2.9.20	GPLv2.0
ncurses-libs	5.9	MIT License
ncurses-term	5.9	BSD 3-clause "New" or "Revised" License OR X11 License OR BigInteger License
Net-SNMP	5.7.2	BSD 3-clause "New" or "Revised" License AND CMU License
net-tools	2	LGPLv3.0
Network Time Protocol project (NTP)	4.2.8p6	GPLv2.0 AND BSD-4-Clause (University of California-Specific) AND BSD 3-clause "New" or "Revised" License AND MIT License
NFS	1.3.0	GPLv2.0 AND GPLv2.0 AND BSD 3-clause "New" or "Revised" License AND MIT License
nginx	1.0.15	BSD 2-clause "Simplified" License
NSS	3.44.0	Mozilla Public License 2.0
nss-softokn	3.44.0	Mozilla Public License 2.0
nss-softokn-freebl	3.44.0	Mozilla Public License 2.0
nss-tools	3.44.0	Mozilla Public License 2.0
nss-utils	3.44.0	Mozilla Public License 2.0
ntfs-3g-dev	2012.1.15	GPLv3.0
nvidia-visual-profiler	9.1.85	MIT v2.0 with Ad Clause License OR Independent JPEG Group License OR GLX Public License v1 OR ISC License OR X.Net License OR Affero GPLv3.0 OR GPLv2.0 OR BSD 3-clause "New" or "Revised" License

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object-assign-shim	1.0.0	MIT License
OIUE TOOLS	1.0.0	Apache License 2.0
oletools	0.5	BSD 3-clause "New" or "Revised" License
OpenChrom	0.8.0	Eclipse Public License 1.0
OpenJDK	8.17.0.3	GPLv2.0
OpenJFX	8u161-b12	GPLv2.0 AND GPLv2.0 w/Classpath exception
OpenLDAP	2.4.40	Open LDAP Public License v2.8
openldap-clients	2.4.40	Open LDAP Public License v2.8
openpilot-drive	v0.3.4	MIT License
OpenSAML 2.0	2.5.5	Apache License 2.0
OpenSSH	7.7p1	BSD 3-clause "New" or "Revised" License
OpenSSL	1.0.1e	The Open SSL License AND SSLeay License
openwsman	2.6.0	BSD 3-clause "New" or "Revised" License

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org.apache.commons.logging	1.1.1. v201101211721	Eclipse Public License 1.0
org.apache.jasper.glassfish	2.2.2. v201205150955	Eclipse Public License 1.0
org.apache.lucene.core_3.5.0.v20120725-1805.jar	3.5.0. v20120725-1805	Eclipse Public License 1.0
org.eclipse.core.net	1.2.200. v20140124-2013	Eclipse Public License 1.0
org.eclipse.ecf	3.1.300. v20120610-1946	Eclipse Public License 1.0
org.eclipse.ecf.filetransfer	5.0.0. v20130604-1622	Eclipse Public License 1.0
org.eclipse.ecf.provider.filetransfer	3.2.0. v20130604-1622	Eclipse Public License 1.0
org.eclipse.equinox.common	3.6.200. v20130402-1505	Eclipse Public License 1.0
org.eclipse.equinox.concurrent	1.1.0. v20130327-1442	Eclipse Public License 1.0
org.eclipse.equinox.ds	1.4.101. v20130813-1853	Eclipse Public License 1.0
org.eclipse.equinox.frameworkadmin	2.0.100. v20130327-2119	Eclipse Public License 1.0
org.eclipse.equinox.frameworkadmin.equinox	1.0.500. v20130327-2119	Eclipse Public License 1.0
org.eclipse.equinox.http.servlet	1.1.400. v20130418-1354	Eclipse Public License 1.0
org.eclipse.equinox.jsp.jasper	1.0.400. v20130327-1442	Eclipse Public License 1.0
org.eclipse.equinox.launcher	1.3.0. v20130327-1440	Eclipse Public License 1.0

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org.eclipse.equinox.p2.artifact.repository	1.1.300. v20130515-2028	Eclipse Public License 1.0
org.eclipse.equinox.p2.console	1.0.300. v20130327-2119	Eclipse Public License 1.0
org.eclipse.equinox.p2.core	2.3.0. v20130327-2119	Eclipse Public License 1.0
org.eclipse.equinox.p2.director	2.3.1. v20140221-1852	Eclipse Public License 1.0
org.eclipse.equinox.p2.directory	1.0.300. v20130327-2119	Eclipse Public License 1.0
org.eclipse.equinox.p2.engine	2.3.0. v20130526-2122	Eclipse Public License 1.0
org.eclipse.equinox.p2.garbagecollector	1.0.200. v20130327-2119	Eclipse Public License 1.0
org.eclipse.equinox.p2.jarprocessor	1.0.300. v20130327-2119	Eclipse Public License 1.0
org.eclipse.equinox.p2.metadata	2.2.0. v20130523-1557	Eclipse Public License 1.0
org.eclipse.equinox.p2.metadata.repository	1.2.100. v20130327-2119	Eclipse Public License 1.0
org.eclipse.equinox.p2.publisher	1.3.0. v20140129-1405	Eclipse Public License 1.0
org.eclipse.equinox.p2.publisher.eclipse	1.1.200. v20130516-1953	Eclipse Public License 1.0
org.eclipse.equinox.p2.reconciler.dropins	1.1.200. v20130419-1850	Eclipse Public License 1.0
org.eclipse.equinox.p2.repository	2.3.0. v20130412-2032	Eclipse Public License 1.0
org.eclipse.equinox.p2.touchpoint.natives	1.1.100. v20130327-2119	Eclipse Public License 1.0

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NAME	VERSION	LICENSE TYPE
org.eclipse.equinox.p2.transport.ecf	1.1.0. v20130516-1858	Eclipse Public License 1.0
org.eclipse.equinox.p2.updatechecker	1.1.200. v20130327-2119	Eclipse Public License 1.0
org.eclipse.equinox.registry	3.5.400. v20140428-1507	Eclipse Public License 1.0
org.eclipse.equinox.simpleconfigurator.manipulator	2.0.0. v20130327-2119	Eclipse Public License 1.0
org.eclipse.equinox.util	1.0.500. v20130404-1337	Eclipse Public License 1.0
org.eclipse.help_3.6.0.v20130326-1254.jar	3.6.1. v20130326-1254	Eclipse Public License 1.0
org.eclipse.osgi	3.10.1. v20140909-1633	Eclipse Public License 1.0
org.eclipse.update.configurator	3.3.300. v20140518-1928	Eclipse Public License 1.0
org.openide.modules	1.0.0	GPLv3.0
org.openide.util	1.0.0	GPLv3.0
org.osgi:org.osgi.service.log	1.3.0	Apache License 2.0
org.sat4j.core	2.3.5. v201308161310	Eclipse Public License 1.0
org.sat4j.pb	2.3.5	LGPLv2.1 AND Eclipse Public License 1.0
org.w3c.dom.events	3.0.0. draft20060413_ v201105210656	Eclipse Public License 1.0
org.w3c.dom.smil_1.0.0.v200806040011.jar	1.0.0	Eclipse Public License 1.0
org.w3c.dom.svg_1.1.0.v201011041433.jar	1.1.0	Eclipse Public License 1.0
org-netbeans-api-annotations-common	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0

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NAME	VERSION	LICENSE TYPE
org-netbeans-api-progress	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-api-search	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-api-visual	RELEASE73-BETA2	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-bootstrap	RELEASE802	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-core-execution	RELEASE81	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-core-io-ui	RELEASE81	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-core-multitabs	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-core-multiview	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-core-output2	RELEASE80-BETA	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-core-startup	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-core-ui	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0

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org-netbeans-core-windows	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-lib-profiler	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-lib-profiler-charts	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-lib-profiler-common	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-lib-profiler-ui	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-lib-uihandler	RELEASE80	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-applemenu	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-autoupdate-cli	RELEASE74	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-autoupdate-services	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-autoupdate-ui	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-core-kit	RELEASE82	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0

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org-netbeans-modules-editor-mimelookup	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-editor-mimelookup-impl	RELEASE72	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-favorites	RELEASE80-BETA	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-javahelp	RELEASE801	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-keyring	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-keyring-fallback	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-masterfs	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-masterfs-nio2	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-options-api	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-options-keymap	RELEASE80	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-print	RELEASE74-BETA	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0

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org-netbeans-modules-profiler	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-profiler-api	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-profiler-attach	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-profiler-heapwalker	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-profiler-oql	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-profiler-selector-api	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-profiler-selector-ui	RELEASE801	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-profiler-snaptracer	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-profiler-utilities	RELEASE711	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-queries	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-sampler	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0

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org-netbeans-modules-sendopts	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-settings	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-templates	RELEASE802	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-uihandler	RELEASE80	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-spi-quicksearch	RELEASE81	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-swing-outline	RELEASE74	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-swing-plaf	RELEASE80	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-swing-tabcontrol	RELEASE80	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-actions	RELEASE80	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-awt	RELEASE711	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-compat	RELEASE691	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0

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org-openide-dialogs	RELEASE80-BETA	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-execution	RELEASE712	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-explorer	RELEASE712	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-filesystems	RELEASE80-BETA	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-io	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-loaders	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-modules	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-nodes	RELEASE80	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-options	RELEASE69	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-text	RELEASE801	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-util	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0

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org-openide-util-enumerations	RELEASE80	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-util-lookup	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-windows	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
osFighter	master-20140421	Unknown License
osgi.core	6.0.0	Apache License 2.0
otj-pg-embedded	0.11.4	Apache License 2.0
pam_krb5	2.4.8	BSD 3-clause "New" or "Revised" License
parted	3.1	GPLv3.0
passwd	0.79	GPLv2.0 AND BSD 3-clause "New" or "Revised" License
pciutils-libs	3.2.1	GPLv2.0
PCRE	8.32	PCRE License
Percona XtraDB Cluster	5.5.34-25.9+dfsg	GPLv2.0
pexpect	2.3	MIT License
phantomjs	1.9.8	Apache License 2.0
PHP	5.6.25	PHP License v3.01
php-mongodb	1.1.2	Apache License 2.0
php-pecl-jsonc	1.3.6	PHP License v3.01
php-tcpdf-gnu-free-mono-fonts	6.2.26	LGPLv3.0
picard	2.8.2	MIT License

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pika AMQP Module for RabbitMQ	0.10.0	BSD 3-clause "New" or "Revised" License
pinentry	0.8.1	GPLv2.0
pinentry-gtk2	0.8.1	GPLv2.0
Poedit	1.6.10	MIT License
popt	1.13	MIT License
PrettyTable	0.7.2	BSD 3-clause "New" or "Revised" License
prismic.io	1.1.4	Apache License 2.0
procps-ng	3.3.10	GPLv2.0 or later AND LGPLv2.1 or later AND GPLv3.0 or later
psmisc	22.2	GPLv2.0
psutil	3.4.1	BSD 3-clause "New" or "Revised" License
pth	2.0.7	LGPLv2.1
PUPA	0.97	GPLv2.0
PyCrypto	2.6.1	Public Domain
PycURL	7.43.0	cURL License OR LGPLv2.1
PyMongo	3.0.3	Apache License 2.0
pyrabbit	1.1.0	MIT License
py-rarfile	3	ISC License
py-requests	2.13.0	Apache License 2.0
py-setproctitle	1.1.9	BSD 3-clause "New" or "Revised" License
Python programming language	2.7.5	Python License 2.0
python-crypto	2.6.1	Public Domain AND Python License 2.0
python-dpkt	1.8.r98	BSD 3-clause "New" or "Revised" License

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python-gearman	2.0.2	Apache License 2.0
python-hiredis	0.2.0	BSD 3-clause "New" or "Revised" License
python-libevent	0.9.2	LGPLv3.0
python-M2Crypto	0.30.1	MIT License
python-oletools	0.51	BSD 3-clause "New" or "Revised" License AND MIT License AND Python License 2.0
python-pefile	1.2.10.139	BSD 3-clause "New" or "Revised" License
python-pillow	2.0.0	MIT License
python-reportlab	2.5	BSD 3-clause "New" or "Revised" License
python-simplejson	3.8.2	MIT License
python-urlgrabber	3.1	LGPLv2.1
python-urwid	0.9.8.3	LGPLv2.1
PyTZ - Python Time Zone Library	2015.7	MIT License
py-urlgrabber-doc	3.10.1	LGPLv2.1
qemu-kvm	0.12.1.2	GPLv2.0 AND BSD 3-clause "New" or "Revised" License AND LGPLv2.1
rabbitmq-server	3.6.1	Mozilla Public License 1.1
rcs	5.9.0	GPLv3.0
Readline	6.2	GPLv3.0
Redis	5.0.0	BSD 3-clause "New" or "Revised" License
ReportLab	2.5	BSD 3-clause "New" or "Revised" License
requests	2.12.4	Apache License 2.0
rh-redis32-redis	3.2.4	BSD 3-clause "New" or "Revised" License
rootfiles	8.1	Public Domain

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RPCBind	0.2.0	BSD 3-clause "New" or "Revised" License
RPM	4.11.3	GPLv2.0
rpm-libs	4.11.3	GPLv2.0 AND LGPLv2.1
rsync	3.0.9	GPLv3.0
Ruby	2.4.1	Ruby License
runtime	3.10.0.v20140318-2214	Eclipse Public License 1.0
sammyjs	0.7.6	MIT License
Saros - Distributed Party Programming	20181129-snapshot-544d8fe8	GPLv2.0
Scout SDK org.eclipse.core.commands dependency (Incubation)	3.7.0.v20150422-0725	Eclipse Public License 1.0
Scout SDK org.eclipse.jface.text dependency (Incubation)	3.10.0.v20150603-1752	Eclipse Public License 1.0
Scout SDK org.eclipse.text dependency (Incubation)	3.5.400.v20150505-1044	Eclipse Public License 1.0
Scout SDK org.eclipse.ui dependency (Incubation)	3.107.0.v20150507-1945	Eclipse Public License 1.0
Scout SDK org.eclipse.ui.views dependency (Incubation)	3.8.0.v20150422-0725	Eclipse Public License 1.0
Scout SDK org.eclipse.ui.workbench dependency (Incubation)	3.107.0.v20150510-1732	Eclipse Public License 1.0
seabios	1.7.0	GPLv2.0 OR LGPLv2.1
sed	4.2.2	GPLv2.0
semanticdbScalacPlugin	4.0.0-M8	BSD 3-clause "New" or "Revised" License

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setup	2.8.71-6.el7	Public Domain
sgabios	0	Apache License 2.0
Shadow Tool Suite	4.1.5.1	GPLv2.0 OR BSD 3-clause "New" or "Revised" License OR GPLv1.0 or later
simogeo's Filemanager	2.2.0	MIT License
Simple API for CSS (org.w3c.css.sac)	1.3.1. v200903091627	W3C IPR License
six Compatibility Utility	1.10.0	MIT License
smart_proxy_dhcp_remote_isc	0.0.2.1	GPLv3.0
snappy	1.1.0	BSD 3-clause "New" or "Revised" License
socket.io-browserify	0.9.11	MIT License
SQLite	3.7.17	Public Domain
StAX	1	Apache License 2.0
stomp-websocket	2.3.4	Apache License 2.0
strongSwan	5.6.0	GPLv2.0
Subrion	2.3.5	GPLv3.0
SVEditor	1.4	Eclipse Public License 1.0
SWT (Standard Widget Toolkit)	4.4.2	LGPLv2.1 AND Eclipse Public License 1.0 AND Mozilla Public License 1.1
sysfsutils	2.1.0	GPLv2.0 AND LGPLv2.1
sysklogd	1.4.1	GPLv2.0
syslog-ng	3.9.1	GPLv2.0
syslog-ng-incubator	3.9.1	GPLv2.0 with OpenSSL Exception
syslog-ng-python	3.9.1	GPLv2.0
sysstat	v10.1.5	GPLv2.0

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sysvinit	2.86	GPLv2.0
Tadpole DB Hub	v1.1.1	LGPLv2.1
tcp_wrappers	7.6	BSD 3-clause "New" or "Revised" License
tcp_wrappers-libs	7.6	BSD 3-clause "New" or "Revised" License
TCPDF	6.2.8	LGPLv3.0
tcpdump	4.5.1	BSD 3-clause "New" or "Revised" License
telnet	0.17	BSD 3-clause "New" or "Revised" License
telnet-server	0.17	BSD 3-clause "New" or "Revised" License
testing-postgresql-server	0.4	Apache License 2.0
texinfo - GNU documentation system	5.1	GPLv3.0
tftp	5.2	BSD 3-clause "New" or "Revised" License
The FreeType Project	2.4.11	BSD 3-clause "New" or "Revised" License
Time Zone Database	2018g	Public Domain
Tor	0.2.3.25	BSD 3-clause "New" or "Revised" License OR Beerware License
traceroute	2.0.19	GPLv2.0
Tycho org.eclipse.osgi.compatibility.state dependency (Incubation)	1.0.100.v20150402-1551	Eclipse Public License 1.0
unixODBC	2.3.1	GPLv2.0
Unofficial OpenJDK build	1.6.0-unofficial -b27	GPLv2.0 w/Classpath exception
ustr	1.0.4	MIT License
util-linux	2.23.2	GPLv2.0
VasSonic	1	MIT License

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vgabios	0.6b	LGPLv2.1
vim-minimal	7.4.160	Vim License
Visionmedia Debug	3.2.0	MIT License
VisualVM	1.3.8	GPLv2.0
vixie-cron	4.1	ISC License AND BSD 2-clause “Simplified” License AND BSD 3-clause "New" or "Revised" License'
vrl	0.4.3.1.0	LGPLv3.0
Webtoolkit Javascript base64	20090123	Creative Commons Attribution 2.0 UK License
Welcome Framework	3.5.2	Eclipse Public License 1.0
Wget	1.16.2	GPLv3.0
when	3.7.3	MIT License
xinetd	2.3.15	xinetd License
XMLTooling-C	1.6.4	Apache License 2.0
XZ Utils	5.1.2	GPLv2.0 or later AND LGPLv2.1 or later AND Public Domain AND GPLv3.0 or later
zlib	1.2.7	zlib License
Zulu Builds of OpenJDK for Windows	8.33.0.1	GPLv2.0 w/Classpath exception

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WildFire 9.1 OSS Listing

NAME	VERSION	LICENSE TYPE
@epelc/gridstack	0.3.0-dev	MIT License
ACL	2.2.51	LGPLv2.1
androguard	3.1.0~rc1	Apache License 2.0
Apache Felix Gogo Command	0.10.0. v201209301215	Apache License 2.0
Apache Felix Gogo Runtime	0.10.0. v201209301036	Apache License 2.0
Apache Felix Gogo Shell	0.10.0. v201212101605	Apache License 2.0
Apache Felix Http Api	2.3.2	Apache License 2.0
Apache Felix Log Service	1.0.1	Apache License 2.0
Apache Felix Metatype Service	1.0.12	Apache License 2.0
Apache Geronimo	1.2-beta	Apache License 2.0
Apache HTTP Server	2.4.6	Apache License 2.0
Apache HttpComponents Client	4.2.6	Apache License 2.0
Apache HttpComponents Core	4.2.5	Apache License 2.0
Apache HttpMime	4.2.6	Apache License 2.0
Apache Lucene Analysis	3.5.0. v20120725-1805	Apache License 2.0
Apache Portable Runtime	1.4.8	Apache License 2.0
Apache XML Commons	1.4.01	Apache License 2.0

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appflower_studio	1.0beta-preview	GPLv3.0
apr-util	1.5.2	Apache License 2.0
attr	2.4.46	GPLv2.0
attr-lib	2.4.47	LGPLv2.1
Audit	2.4.1	GPLv2.0
audit-libs	2.4.1	LGPLv2.1
backports.lzma	0.0.2	BSD 3-clause "New" or "Revised" License
base-files	10ubuntu1	GPLv2.0
Bash	4.2.46	GPLv3.0
Batik XML utility library	1.7	Apache License 2.0
beecrypt	4.2.1	LGPLv2.1
Bidirectional Text Support	1.0.0	Eclipse Public License 1.0
BIND (Berkeley Internet Name Domain)	9.9.4	ISC License
bind-libs	9.9.4	ISC License
bind-libs-lite	9.9.4	ISC License
bind-license	9.9.4	ISC License
bind-utils	9.9.4	ISC License
binutils	2.24	GPLv3.0 or later
Bluebird JS	3.5.0	MIT License
bluemusic	2.5.14	GPLv2.0
Boost C++ Libraries	1.53.0	Boost Software License 1.0
Bootstrap (Twitter)	3.3.5	MIT License

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bootstrap-multiselect	20180515 -snapshot -63a9191d	MIT License
bridge-utils	1.5	GPLv2.0
bsdutils	2.30.2	GPLv2.0 or later
Bundle for Workbench APIs available in e4	0.14.100	Eclipse Public License 1.0
bzip2	1.0.6	BSD 3-clause "New" or "Revised" License
bzip2-libs	1.0.6	BSD 3-clause "New" or "Revised" License
cavaliercoder/go-rpm	20170617 - snapshot - c7209c35	BSD 3-clause "New" or "Revised" License
centos-release	7	GPLv2.0
chart	3.2.0	Apache License 2.0
chkconfig	1.3.61	GPLv2.0
ci-node-server	0.0.6	MIT License
cloudinary_js	1.0.4	MIT License
CodeMirror	3.23.0	MIT License
com.sun.tools.visualvm.host	1.0.0	GPLv3.0
com.sun.tools.visualvm.jmx	1.0.0	GPLv3.0
com.sun.tools.visualvm.jvm	2.1.0	GPLv3.0
com-sun-tools-visualvm-api-caching	RELEASE139	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-application	RELEASE139	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-application-views	RELEASE138	GPLv2.0 w/Classpath exception

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com-sun-tools-visualvm-attach	RELEASE139	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-charts	RELEASE139	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-core	RELEASE135	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-coredump	RELEASE138	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-heapdump	RELEASE138	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-host	RELEASE135	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-host-remote	RELEASE139	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-host-views	RELEASE139	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-jvmstat	RELEASE138	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-modules-appui	RELEASE139	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-modules-startup	RELEASE138	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-profiler	RELEASE139	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-profiling	RELEASE139	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-sa	RELEASE135	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-sampler	RELEASE138	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-threaddump	RELEASE135	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.0

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Console plug-in	1.1.200	Eclipse Public License 1.0
Control System Studio	20181203 -snapshot -1b86455b	Eclipse Public License 1.0
cpp	4.8.5	GPLv3.0
cracklib	2.9.0	LGPLv2.1
cracklib2	2.8.16	LGPLv2.1
crontabs	1.11	Public Domain
D3.js	3.4.11	BSD 3-clause "New" or "Revised" License
DB	5.3.21	Alternative Commercial License Available
Debian Php	5.3.3	PHP License v3.01
decorator	4.0.10	BSD 3-clause "New" or "Revised" License
dejavu-fonts-common	2.33	Bitstream Vera Fonts Copyright
dejavu-sans-fonts	2.33	Bitstream Vera Fonts Copyright
device-mapper	1.02.107	GPLv2.0
device-mapper-libs	1.02.107	LGPLv2.1
devtoolset-3-binutils	2.24	GPLv3.0
dhclient	4.2.5	ISC License
dhcp-common	4.2.5	ISC License
dhcp-doc	4.3.4	ISC License
dhcp-libs	4.2.5	ISC License
dicompyler	0.4.2	BSD 3-clause "New" or "Revised" License
diff	3.3	GPLv2.0 OR Free Documentation License v1.1 OR Free Documentation License v1.3 OR GPLv3.0

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DOMjudge	4.0-dev-end	LGPLv2.1
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Eclipse	4.4.1	Eclipse Public License 1.0
Eclipse Bindings Support	0.11+E114:E133.100	Eclipse Public License 1.0
Eclipse Content Mechanism	3.4.200. v20140207-1251	Eclipse Public License 1.0
Eclipse CSS Core Support	0.12.101	Eclipse Public License 1.0
Eclipse CSS SWT Support	0.12.100	Eclipse Public License 1.0
Eclipse CSS SWT Theme Support	0.12.0	Eclipse Public License 1.0
Eclipse Dependency Injection	1.7.0	Eclipse Public License 1.0
Eclipse Dependency Injection Annotations	1.5.0	Eclipse Public License 1.0
Eclipse Dependency Injection Extensions	0.14.0	Eclipse Public License 1.0
Eclipse e4 Workbench Add-ons	1.2.101	Eclipse Public License 1.0
Eclipse ECJ	3.7.2	Eclipse Public License 1.0
eclipse equinox security	1.2.0. v20130424-1801	Eclipse Public License 1.0
Eclipse Help System Base	4.0.201. v20150204	Eclipse Public License 1.0
Eclipse Jobs Mechanism	3.6.0. v20140424-0053	Eclipse Public License 1.0
Eclipse Preferences Mechanism	3.5.200. v20140224-1527	Eclipse Public License 1.0

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Eclipse SDK Themes	1.1.300	Eclipse Public License 1.0
Eclipse touchpoint bundle	2.1.200. v20130327-2119	Eclipse Public License 1.0
Eclipse UI	3.5.0. I20090604-2000	Eclipse Public License 1.0
Eclipse UI Dependency Injection	1.1.100	Eclipse Public License 1.0
Eclipse Workbench Model	1.2.0	Eclipse Public License 1.0
eclipse.equinox.event	1.3.100. v20140115-1647	Eclipse Public License 1.0
elfutils	0.163	GPLv3.0
Equinox	1.4.100. v20140514-1614	Eclipse Public License 1.0
Equinox Framework Admin	2.0.300	Eclipse Public License 1.0
Equinox Provisioning Director Application	1.0.500	Eclipse Public License 1.0
Equinox Provisioning JAR Processor	1.0.500	Eclipse Public License 1.0
Equinox Provisioning Operations API	2.4.200	Eclipse Public License 1.0
Equinox Provisioning Platform Update Support	1.0.400	Eclipse Public License 1.0
Equinox Security Default UI	1.1.300	Eclipse Public License 1.0
erlang	18.2.2	Apache License 2.0
erlang-base	18.2-dfsg	Apache License 2.0
erlang-erts	18.2.2	Apache License 2.0
erlang-kernel	18.2.2	Apache License 2.0
erlang-otp_mibs	18.3	Apache License 2.0

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erlang-stdlib	18.2.2	Apache License 2.0
erlang-syntax_tools	18.3	Apache License 2.0
es5-shim	4.0.3	MIT License
EventLog Library	0.2.12	BSD 3-clause "New" or "Revised" License
Expat XML Parser	2.1.0	MIT License
Expression Language	3.4.600.v20140128-0851	Eclipse Public License 1.0
Ext JS	3.2.0	Ext JS Commercial License OR Ext Exception to GPL 3.0 for Applications
Ext JS - Jangaroo Packaged	0.8.10	Affero GPLv3.0 AND GPLv3.0
Ext JS Ext.ux.YoutubePlayer	20080327	LGPLv2.1
Ext.ux.Livegrid Extension	0.5	Alternative Commercial License Available OR GPLv3.0
famfamfam-silk	1.3	Creative Commons Attribution 3.0
fastlz	0.1.0	MIT License
file	5.11	Fine Free File Command License
file-libs	5.11	BSD 3-clause "New" or "Revised" License
FileSaver.js	d8c81c105f3f952326ead7700c8cf6da2690eba0	MIT License
findutils	4.5.11	GPLv3.0
fipscheck	1.4.1	BSD 3-clause "New" or "Revised" License
fipscheck-lib	1.4.1	BSD 3-clause "New" or "Revised" License
firepad	0.1.4	MIT License
Flot	0.8.1	MIT License

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FluidDB-Explorer	20110203 -snapshot -820c771f	Apache License 2.0
fontconfig	2.10.95	MIT License
FUSE	2.7.4	GPLv1.0 or later
Gawk	4.0.2	BSD 3-clause "New" or "Revised" License AND LGPLv3.0 or later AND GPLv3.0 or later
GDB	7.12	GPLv3.0
gdisk	0.8.10	GPLv2.0
gearmand	1.1.8	BSD 3-clause "New" or "Revised" License
Genius-Android	CAPRICE-V2.1.1	Apache License 2.0
GitHub's jsPDF	1.2.61	MIT License
gkernel: rng-tools / ethtool	4.5	GPLv2.0
GLib2	2.42.2	LGPLv2.1
global-store	0.7.1	MIT License
GMP	6.0.0	GPLv2.0 OR LGPLv3.0
GNU awk	4.0.2	GPLv3.0
GNU Binutils	2.23.52.0.1	GPLv3.0
GNU C Library	2.17	LGPLv2.1
GNU Compiler Collection	4.8.5	GPLv2.0 or later AND LGPLv3.0 or later AND LGPLv2.1 or later AND GPLv3.0 or later
GNU Core Utilities	8.22	GPLv3.0
GNU cpio	2.11	GPLv3.0
GNU grep	2.2	GPLv3.0

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GNU Parted	3.1	GPLv3.0
GNU tar	1.26	GPLv3.0
GnuPG	2.0.22	LGPLv3.0 AND GPLv3.0
google-perftools	2.4	BSD 3-clause "New" or "Revised" License
google-snappy	1.1.0	BSD 3-clause "New" or "Revised" License
gpxe-roms-qemu	0.9.7	GPLv2.0
graphael	1.1.0	MIT License
grub	0.97	GPLv2.0
gzip	1.5	GPLv3.0 AND GFDL
Help System UI	4.0.200	Eclipse Public License 1.0
Help System Webapp	3.9.0	Eclipse Public License 1.0
Highcharts JS	4.2.5	Creative Commons Attribution Non Commercial 3.0 OR Alternative Commercial License Available
hiredis	0.2.0	BSD 3-clause "New" or "Revised" License
Http Service Registry Extensions	1.1.300. v20130402-1529	Eclipse Public License 1.0
Http Services Servlet	1.1.500	Eclipse Public License 1.0
httpd-tools	2.4.6	Apache License 2.0
httplib2	0.9.2	MIT License
IBM ICU	52.1.0. v201404241930	Eclipse Public License 1.0
initscripts	8.45.14.EL	GPLv3.0 or later

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iproute2	3.10.0	GPLv2.0
IPTables	1.4.21	GPLv2.0
iputils	s20121221	GPLv2.0 AND BSD 3-clause "New" or "Revised" License AND Sun RPC License
IPython	2.4.1	BSD 3-clause "New" or "Revised" License
irqbalance	1.13	GPLv3.0
is-loading	1.0.1	MIT License
iterate-ch/cyberduck	release-4-7-7	GPLv3.0
Jasper Jsp Registry Support Plug-in	1.0.300. v20130327	Eclipse Public License 1.0
Java API for XML Processing	1.4	Apache License 2.0 OR W3C Software Notice and License (2002-12-31)
Java API for XML Web Services 2.2	2.0.4.Final	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.1
Java Architecture for XML Binding	2.3.0	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.1
Java Platform Standard Edition (JRE) (J2RE)	8u181	Oracle Binary Code JRE and JDK 7 License
Java Servlet API	2.1-rev-1	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.1
Java(TM) API for XML-Based Web Services 2.3	1.0.0.Final	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.1
JavaBeans Activation Framework	1.2.0	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.1

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JavaMail	1.4.6	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.1
JavaMail API dsn support	1.4.7	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.0
JavaMail API Gmail IMAP provider	1.4.6	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.1
JavaMail API pop3 provider	1.4.6	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.0
JavaMail API smtp provider	1.4.6	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.0
JavaScript-Canvas-to-Blob	2.0.5	MIT License
Javax Inject from the JSR-330 Expert Group	1	Apache License 2.0
javax.servlet	3.0.0. v201112011016	Eclipse Public License 1.0
javax.servlet API v.2.5	3.1-b41	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.0
javax.servlet.jsp	2.2.0. v201112011158	Eclipse Public License 1.0
JBoss Drools	5.2.0.015	Apache License 2.0
Jetty :: Servlet Handling	8.1.14. v20131031	Apache License 2.0 AND Eclipse Public License 1.0
Jetty Orbit :: EL	2.2.0. v201303151357	Apache License 2.0 AND Eclipse Public License 1.0
Jetty Orbit :: javax el	2.2.0. v201303151357	Apache License 2.0 AND Eclipse Public License 1.0

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Jetty Orbit :: JSP Impl	2.2.2. v201501141630	Apache License 2.0 AND Eclipse Public License 1.0
Jetty: Java based HTTP, Servlet, SPDY, WebSocket Server	8.1.14. v20131031	Apache License 2.0 AND Eclipse Public License 1.0
JFace Data Binding	1.2.0	Eclipse Public License 1.0
JFace Data Binding for JavaBeans	1.3.100	Eclipse Public License 1.0
jQuery	1.12.2	MIT License
jQuery Mousewheel	3.1.6	MIT License
jQuery UI	1.11.0-1	MIT License
jquery-ejs	master-20101212	GPLv2.0
jQuery-Knob	1.2.2	MIT License
JSON2	0.01.0	LGPLv3.0
JSONPath	0.8.0	MIT License
jspdf-autotable	2.3.0	MIT License
jspm-resolve	1.0.6	MIT License
Jython	2.7.5	Jython License
keyutils	1.5.8	GPLv2.0 AND LGPLv2.1
keyutils-libs	1.5.8	GPLv2.0 AND LGPLv2.1
knottie-sammy	0.7.6	MIT License
Less	458	GPLv3.0
libaio	0.3.109	LGPLv2.1
libaio-dev	0.3.109	LGPLv2.1
libarchive	3.1.2	BSD 2-clause "Simplified" License

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libassuan	2.1.0	LGPLv2.1 OR GPLv3.0
libcap-dev	2.22	LGPLv2.1
libcap-ng	0.7.5	LGPLv2.1
libcomerr2	1.42.9	MIT License
libdb	5.3.21	BSD 3-clause "New" or "Revised" License
libdb-utils	5.3.21	BSD 3-clause "New" or "Revised" License
libevent	2.0.21	BSD 3-clause "New" or "Revised" License
libffi	3.2.1	MIT License
libgcc	4.8.5	GPLv3.0
libgearman	1.1.8	BSD 3-clause "New" or "Revised" License
libgssglue	0.1	GPLv1.0 or later
libgssglue1	0.1	BSD 3-clause "New" or "Revised" License OR Xmlproc License OR Christian Michelsen Research License OR Silicon Graphics New License
libguestfs	1.16.19	LGPLv2.1
libidn	1.28	LGPLv2.1
libjpeg	1.2.90	BSD 3-clause "New" or "Revised" License
libjpeg-turbo	1.2.90	Independent JPEG Group License
libksba	1.3.5	GPLv2.0 AND Internet Society - RFC License AND LGPLv3.0 AND GPLv3.0
liblockdev1	1.0.4	LGPLv2.1
libmount	2.23.2	LGPLv2.1
libnfnetlink	1.0.1	GPLv2.0
libnfsidmap	0.25	BSD 3-clause "New" or "Revised" License

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libnfsidmap-dev	0.25	BSD 3-clause "New" or "Revised" License
libntfs-3g-dev	2012.1.15AR.5	LGPLv2.1
libpcap	1.5.3	BSD 3-clause "New" or "Revised" License
libpng	1.5.13	libpng License
libpth-dbg	2.0.7	LGPLv2.1
libpwquality	1.2.3	GPLv2.0 OR BSD 3-clause "New" or "Revised" License
libselinux	2.2.2	Public Domain
libsemanage	2.1.10	LGPLv2.1
libss	1.42.9	MIT License
libstdc++	4.8.5	GPLv3.0
libtirpc	0.2.4	BSD 3-clause "New" or "Revised" License
libunwind	1.1	MIT License
libuser	0.6	LGPLv2.1
libxml2-python	2.9.4	MIT License
libxslt	1.1.28	BigInteger License
Linux Diagnostic Tools	2.1.0	GPLv2.0 AND LGPLv2.1 AND Eclipse Public License 1.0
Linux kernel	3.10.0	GPLv2.0
Linux NTFS file system support	2.0.0	GPLv2.0
Linux-Pam	1.1.8	GPLv2.0 OR BSD 3-clause "New" or "Revised" License
logrotate	3.8.6	GPLv2.0
Lucene Analyzers	3.5.0	Apache License 2.0

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LVM2	2.02.130	GPLv2.0
lvm2-sysvinit	2.02.130	GPLv2.0
LZO real-time data compression library	2.06	GPLv2.0
M2Crypto	0.21.1	M2Crypto License (similar to Historical Permission Notice and Disclaimer)
magda-io/magda	v0.0.32	Apache License 2.0
Magic Assistant	1.3.1.13	Eclipse Public License 1.0
mailx	12.5	BSD-4-Clause (University of California-Specific) AND Mozilla Public License 1.1
MAKEDEV	3.23	GPLv2.0
Maven definition for updater.jar - external part of NetBeans module.	RELEASE802	Common Development and Distribution License 1.0 OR GPLv2.0
mcrypt	2.5.8	GPLv2.0
Metro OSGi API bundle for GlassFish V3	2.4.2	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.1
mingetty	1.07	GPLv2.0
Modernizr	2.0.6	MIT License
module-init-tools	3.3	GPLv2.0
MongoDB	2.4.8	Affero GPLv3.0 AND Apache License 2.0
Mozilla NSS	3.16.2.3	Mozilla Public License 2.0
ms-amqp-transport	9.0.0	MIT License
mumble-django	2.5	GPLv2.0 or later
Mura CMS	6.0.5375	GPLv2.0 OR Alternative Commercial License Available

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MySQL for Python	1.2.3	GPLv3.0
mythtv-doc	29.0+fixes.20170728.696806310a	GPLv2.0
nbd	2.9.20	GPLv2.0
ncurses-libs	5.9	MIT License
ncurses-term	5.9	BSD 3-clause "New" or "Revised" License OR X11 License OR BigInteger License
Net-SNMP	5.7.2	BSD 3-clause "New" or "Revised" License AND CMU License
net-tools	2	LGPLv3.0
Network Time Protocol project (NTP)	4.2.8p6	GPLv2.0 AND BSD-4-Clause (University of California-Specific) AND BSD 3-clause "New" or "Revised" License AND MIT License
NFS	1.3.0	GPLv2.0 AND GPLv2.0 AND BSD 3-clause "New" or "Revised" License AND MIT License
nginx	1.0.15	BSD 2-clause "Simplified" License
NSS	3.19.1	Mozilla Public License 2.0
nss-softokn	3.19.1	Mozilla Public License 2.0
nss-softokn-freebl	3.19.1	Mozilla Public License 2.0
nss-tools	3.19.1	Mozilla Public License 2.0
nss-utils	3.19.1	Mozilla Public License 2.0
ntfs-3g-dev	2012.1.15	GPLv3.0
nvidia-visual-profiler	9.1.85	MIT v2.0 with Ad Clause License OR Independent JPEG Group License OR GLX Public License v1 OR ISC License OR X.Net License OR Affero GPLv3.0 OR GPLv2.0 OR BSD 3-clause "New" or "Revised" License

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OpenJFX	8u161-b12	GPLv2.0 AND GPLv2.0 w/Classpath exception
OpenLDAP	2.4.40	Open LDAP Public License v2.8
openldap-clients	2.4.40	Open LDAP Public License v2.8
openpilot-drive	v0.3.4	MIT License
OpenSAML 2.0	2.5.5	Apache License 2.0
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org.apache.jasper.glassfish	2.2.2. v201205150955	Eclipse Public License 1.0
org.apache.lucene.core_3.5.0.v20120725-1805.jar	3.5.0. v20120725-1805	Eclipse Public License 1.0
org.eclipse.core.net	1.2.200. v20140124-2013	Eclipse Public License 1.0
org.eclipse.ecf	3.1.300. v20120610-1946	Eclipse Public License 1.0
org.eclipse.ecf.filetransfer	5.0.0. v20130604-1622	Eclipse Public License 1.0
org.eclipse.ecf.provider.filetransfer	3.2.0. v20130604-1622	Eclipse Public License 1.0
org.eclipse.equinox.common	3.6.200. v20130402-1505	Eclipse Public License 1.0
org.eclipse.equinox.concurrent	1.1.0. v20130327-1442	Eclipse Public License 1.0
org.eclipse.equinox.ds	1.4.101. v20130813-1853	Eclipse Public License 1.0
org.eclipse.equinox.frameworkadmin	2.0.100. v20130327-2119	Eclipse Public License 1.0
org.eclipse.equinox.frameworkadmin.equinox	1.0.500. v20130327-2119	Eclipse Public License 1.0
org.eclipse.equinox.http.servlet	1.1.400. v20130418-1354	Eclipse Public License 1.0
org.eclipse.equinox.jsp.jasper	1.0.400. v20130327-1442	Eclipse Public License 1.0
org.eclipse.equinox.launcher	1.3.0. v20130327-1440	Eclipse Public License 1.0

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org.eclipse.equinox.p2.artifact.repository	1.1.300. v20130515-2028	Eclipse Public License 1.0
org.eclipse.equinox.p2.console	1.0.300. v20130327-2119	Eclipse Public License 1.0
org.eclipse.equinox.p2.core	2.3.0. v20130327-2119	Eclipse Public License 1.0
org.eclipse.equinox.p2.director	2.3.1. v20140221-1852	Eclipse Public License 1.0
org.eclipse.equinox.p2.directory	1.0.300. v20130327-2119	Eclipse Public License 1.0
org.eclipse.equinox.p2.engine	2.3.0. v20130526-2122	Eclipse Public License 1.0
org.eclipse.equinox.p2.garbagecollector	1.0.200. v20130327-2119	Eclipse Public License 1.0
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org.eclipse.equinox.p2.metadata	2.2.0. v20130523-1557	Eclipse Public License 1.0
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org.eclipse.equinox.p2.publisher	1.3.0. v20140129-1405	Eclipse Public License 1.0
org.eclipse.equinox.p2.publisher.eclipse	1.1.200. v20130516-1953	Eclipse Public License 1.0
org.eclipse.equinox.p2.reconciler.dropins	1.1.200. v20130419-1850	Eclipse Public License 1.0
org.eclipse.equinox.p2.repository	2.3.0. v20130412-2032	Eclipse Public License 1.0
org.eclipse.equinox.p2.touchpoint.natives	1.1.100. v20130327-2119	Eclipse Public License 1.0

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org.eclipse.equinox.p2.transport.ecf	1.1.0. v20130516-1858	Eclipse Public License 1.0
org.eclipse.equinox.p2.updatechecker	1.1.200. v20130327-2119	Eclipse Public License 1.0
org.eclipse.equinox.registry	3.5.400. v20140428-1507	Eclipse Public License 1.0
org.eclipse.equinox.simpleconfigurator.manipulator	2.0.0. v20130327-2119	Eclipse Public License 1.0
org.eclipse.equinox.util	1.0.500. v20130404-1337	Eclipse Public License 1.0
org.eclipse.help_3.6.0.v20130326-1254.jar	3.6.0. v20130326-1254	Eclipse Public License 1.0
org.eclipse.osgi	3.10.1. v20140909-1633	Eclipse Public License 1.0
org.eclipse.update.configurator	3.3.300. v20140518-1928	Eclipse Public License 1.0
org.openide.modules	1.0.0	GPLv3.0
org.openide.util	1.0.0	GPLv3.0
org.osgi:org.osgi.service.log	1.3.0	Apache License 2.0
org.sat4j.core	2.3.5. v201308161310	Eclipse Public License 1.0
org.sat4j.pb	2.3.5	LGPLv2.1 AND Eclipse Public License 1.0
org.w3c.dom.events	3.0.0. draft20060413_ v201105210656	Eclipse Public License 1.0
org.w3c.dom.smil_1.0.0.v200806040011.jar	1.0.0	Eclipse Public License 1.0
org.w3c.dom.svg_1.1.0.v201011041433.jar	1.1.0	Eclipse Public License 1.0
org-netbeans-api-annotations-common	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0

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org-netbeans-api-search	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-api-visual	RELEASE73-BETA2	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-bootstrap	RELEASE802	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-core-execution	RELEASE81	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-core-io-ui	RELEASE81	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-core-multitabs	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-core-multiview	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-core-output2	RELEASE80-BETA	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-core-startup	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-core-ui	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0

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NAME	VERSION	LICENSE TYPE
org-netbeans-core-windows	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-lib-profiler	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-lib-profiler-charts	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-lib-profiler-common	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-lib-profiler-ui	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-lib-uihandler	RELEASE80	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-applemenu	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-autoupdate-cli	RELEASE74	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-autoupdate-services	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-autoupdate-ui	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-core-kit	RELEASE82	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0

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org-netbeans-modules-editor-mimelookup	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-editor-mimelookup-impl	RELEASE72	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-favorites	RELEASE80-BETA	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-javahelp	RELEASE801	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-keyring	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-keyring-fallback	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-masterfs	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-masterfs-nio2	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-options-api	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-options-keymap	RELEASE80	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-print	RELEASE74-BETA	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0

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org-netbeans-modules-profiler	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-profiler-api	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-profiler-attach	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-profiler-heapwalker	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-profiler-oql	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-profiler-selector-api	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-profiler-selector-ui	RELEASE801	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-profiler-snaptracer	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-profiler-utilities	RELEASE711	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-queries	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-sampler	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0

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org-netbeans-modules-sendopts	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-settings	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-templates	RELEASE802	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-uihandler	RELEASE80	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-spi-quicksearch	RELEASE81	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-swing-outline	RELEASE74	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-swing-plaf	RELEASE80	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-swing-tabcontrol	RELEASE80	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-actions	RELEASE80	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-awt	RELEASE711	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-compat	RELEASE691	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0

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org-openide-dialogs	RELEASE80-BETA	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-execution	RELEASE712	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-explorer	RELEASE712	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-filesystems	RELEASE80-BETA	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-io	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-loaders	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-modules	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-nodes	RELEASE80	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-options	RELEASE69	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-text	RELEASE801	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-util	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0

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org-openide-util-enumerations	RELEASE80	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-util-lookup	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-windows	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
osFighter	master-20140421	Unknown License
osgi.core	6.0.0	Apache License 2.0
otj-pg-embedded	0.11.4	Apache License 2.0
pam_krb5	2.4.8	BSD 3-clause "New" or "Revised" License
parted	3.1	GPLv3.0
passwd	0.79	GPLv2.0 AND BSD 3-clause "New" or "Revised" License
pciutils-libs	3.2.1	GPLv2.0
PCRE	8.32	PCRE License
Percona XtraDB Cluster	5.5.34-25.9+dfsg	GPLv2.0
pexpect	2.3	MIT License
phantomjs	1.9.8	Apache License 2.0
PHP	5.6.25	PHP License v3.01
php-mongodb	1.1.2	Apache License 2.0
php-pecl-jsonc	1.3.6	PHP License v3.01
php-tcpdf-gnu-free-mono-fonts	6.2.26	LGPLv3.0
picard	2.8.2	MIT License

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pika AMQP Module for RabbitMQ	0.10.0	BSD 3-clause "New" or "Revised" License
pinentry	0.8.1	GPLv2.0
pinentry-gtk2	0.8.1	GPLv2.0
Poedit	1.6.10	MIT License
popt	1.13	MIT License
PrettyTable	0.7.2	BSD 3-clause "New" or "Revised" License
prismic.io	1.1.4	Apache License 2.0
procps-ng	3.3.10	GPLv2.0 or later AND LGPLv2.1 or later AND GPLv3.0 or later
psmisc	22.2	GPLv2.0
psutil	3.4.1	BSD 3-clause "New" or "Revised" License
pth	2.0.7	LGPLv2.1
PUPA	0.97	GPLv2.0
PyCrypto	2.6.1	Public Domain
PycURL	7.43.0	cURL License OR LGPLv2.1
PyMongo	3.0.3	Apache License 2.0
pyrabbit	1.1.0	MIT License
py-rarfile	3	ISC License
py-requests	2.13.0	Apache License 2.0
py-setproctitle	1.1.9	BSD 3-clause "New" or "Revised" License
Python programming language	2.7.5	Python License 2.0
python-crypto	2.6.1	Public Domain AND Python License 2.0
python-dpkt	1.8.r98	BSD 3-clause "New" or "Revised" License

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python-gearman	2.0.2	Apache License 2.0
python-hiredis	0.2.0	BSD 3-clause "New" or "Revised" License
python-libevent	0.9.2	LGPLv3.0
python-M2Crypto	0.22.5	MIT License
python-oletools	0.51	BSD 3-clause "New" or "Revised" License AND MIT License AND Python License 2.0
python-pefile	1.2.10.139	BSD 3-clause "New" or "Revised" License
python-pillow	2.0.0	MIT License
python-reportlab	2.5	BSD 3-clause "New" or "Revised" License
python-rsa	3.4.2	Apache License 2.0
python-simplejson	3.8.2	MIT License
python-urlgrabber	3.1	LGPLv2.1
python-urwid	0.9.8.3	LGPLv2.1
PyTZ - Python Time Zone Library	2015.7	MIT License
py-urlgrabber-doc	3.10.1	LGPLv2.1
qemu-kvm	0.12.1.2	GPLv2.0 AND BSD 3-clause "New" or "Revised" License AND LGPLv2.1
rabbitmq-server	3.6.1	Mozilla Public License 1.1
rcs	5.9.0	GPLv3.0
Readline	6.2	GPLv3.0
Redis	3.2.4	BSD 3-clause "New" or "Revised" License
ReportLab	2.5	BSD 3-clause "New" or "Revised" License
requests	2.12.4	Apache License 2.0
rh-redis32-redis	3.2.4	BSD 3-clause "New" or "Revised" License

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rootfiles	8.1	Public Domain
RPCBind	0.2.0	BSD 3-clause "New" or "Revised" License
RPM	4.11.3	GPLv2.0
rpm-libs	4.11.3	GPLv2.0 AND LGPLv2.1
rsync	3.0.9	GPLv3.0
Ruby	2.4.1	Ruby License
runtime	3.10.0. v20140318-2214	Eclipse Public License 1.0
sammyjs	0.7.6	MIT License
Saros - Distributed Party Programming	20181129 -snapshot -544d8fe8	GPLv2.0
Scout SDK org.eclipse.core.commands dependency (Incubation)	3.7.0. v20150422-0725	Eclipse Public License 1.0
Scout SDK org.eclipse.jface.text dependency (Incubation)	3.10.0. v20150603-1752	Eclipse Public License 1.0
Scout SDK org.eclipse.text dependency (Incubation)	3.5.400. v20150505-1044	Eclipse Public License 1.0
Scout SDK org.eclipse.ui dependency (Incubation)	3.107.0. v20150507-1945	Eclipse Public License 1.0
Scout SDK org.eclipse.ui.views dependency (Incubation)	3.8.0. v20150422-0725	Eclipse Public License 1.0
Scout SDK org.eclipse.ui.workbench dependency (Incubation)	3.107.0. v20150510-1732	Eclipse Public License 1.0
seabios	1.7.0	GPLv2.0 OR LGPLv2.1
sed	4.2.2	GPLv2.0

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semanticdbScalacPlugin	4.0.0-M8	BSD 3-clause "New" or "Revised" License
setup	2.8.71-6.el7	Public Domain
sgabios	0	Apache License 2.0
Shadow Tool Suite	4.1.5.1	GPLv2.0 OR BSD 3-clause "New" or "Revised" License OR GPLv1.0 or later
simogeo's Filemanager	2.2.0	MIT License
Simple API for CSS (org.w3c.css.sac)	1.3.1. v200903091627	W3C IPR License
six Compatibility Utility	1.10.0	MIT License
smart_proxy_dhcp_remote_isc	0.0.2.1	GPLv3.0
snappy	1.1.0	BSD 3-clause "New" or "Revised" License
socket.io-browserify	0.9.11	MIT License
SQLite	3.7.17	Public Domain
StAX	1	Apache License 2.0
stomp-websocket	2.3.4	Apache License 2.0
strongSwan	5.6.0	GPLv2.0
Subrion	2.3.5	GPLv3.0
SVEditor	1.4	Eclipse Public License 1.0
SWT (Standard Widget Toolkit)	4.4.2	LGPLv2.1 AND Eclipse Public License 1.0 AND Mozilla Public License 1.1
sysfsutils	2.1.0	GPLv2.0 AND LGPLv2.1
sysklogd	1.4.1	GPLv2.0
syslog-ng	3.8.1	GPLv2.0
syslog-ng-incubator	3.8.1	GPLv2.0 with OpenSSL Exception
syslog-ng-python	3.8.1	GPLv2.0

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sysstat	v10.1.5	GPLv2.0
sysvinit	2.86	GPLv2.0
Tadpole DB Hub	v1.1.1	LGPLv2.1
tcp_wrappers	7.6	BSD 3-clause "New" or "Revised" License
tcp_wrappers-libs	7.6	BSD 3-clause "New" or "Revised" License
TCPDF	6.2.8	LGPLv3.0
tcpdump	4.5.1	BSD 3-clause "New" or "Revised" License
telnet	0.17	BSD 3-clause "New" or "Revised" License
telnet-server	0.17	BSD 3-clause "New" or "Revised" License
testing-postgresql-server	0.4	Apache License 2.0
texinfo - GNU documentation system	5.1	GPLv3.0
tftp	5.2	BSD 3-clause "New" or "Revised" License
The FreeType Project	2.4.11	BSD 3-clause "New" or "Revised" License
Time Zone Database	2018g	Public Domain
Tor	0.2.3.25	BSD 3-clause "New" or "Revised" License OR Beerware License
traceroute	2.0.19	GPLv2.0
Tycho org.eclipse.osgi.compatibility.state dependency (Incubation)	1.0.100. v20150402-1551	Eclipse Public License 1.0
unixODBC	2.3.1	GPLv2.0
Unofficial OpenJDK build	1.6.0-unofficial -b27	GPLv2.0 w/Classpath exception
ustr	1.0.4	MIT License
util-linux	2.23.2	GPLv2.0

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VasSonic	1	MIT License
vgabios	0.6b	LGPLv2.1
vim-minimal	7.4.160	Vim License
Visionmedia Debug	3.2.0	MIT License
VisualVM	1.3.8	GPLv2.0
vixie-cron	4.1	ISC License AND BSD 2-clause “Simplified” License AND BSD 3-clause "New" or "Revised" License'
vrl	0.4.3.1.0	LGPLv3.0
Webtoolkit Javascript base64	20090123	Creative Commons Attribution 2.0 UK License
Welcome Framework	3.5.2	Eclipse Public License 1.0
Wget	1.16.2	GPLv3.0
when	3.7.3	MIT License
xinetd	2.3.15	xinetd License
XMLTooling-C	1.6.4	Apache License 2.0
XZ Utils	5.1.2	GPLv2.0 or later AND LGPLv2.1 or later AND Public Domain AND GPLv3.0 or later
zlib	1.2.7	zlib License
Zulu Builds of OpenJDK for Windows	8.33.0.1	GPLv2.0 w/Classpath exception

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WildFire 9.0 OSS Listing

NAME	VERSION	LICENSE TYPE
@epelc/gridstack	0.3.0-dev	MIT License
ACL	2.2.51	LGPLv2.1
androguard	3.1.0~rc1	Apache License 2.0
Apache Felix Gogo Command	0.10.0. v201209301215	Apache License 2.0
Apache Felix Gogo Runtime	0.10.0. v201209301036	Apache License 2.0
Apache Felix Gogo Shell	0.10.0. v201212101605	Apache License 2.0
Apache Felix Http Api	2.3.2	Apache License 2.0
Apache Felix Log Service	1.0.1	Apache License 2.0
Apache Felix Metatype Service	1.0.12	Apache License 2.0
Apache Geronimo	1.2-beta	Apache License 2.0
Apache HTTP Server	2.4.6	Apache License 2.0
Apache HttpComponents Client	4.2.6	Apache License 2.0
Apache HttpComponents Core	4.2.5	Apache License 2.0
Apache HttpMime	4.2.6	Apache License 2.0
Apache Lucene Analysis	3.5.0. v20120725-1805	Apache License 2.0
Apache Portable Runtime	1.4.8	Apache License 2.0
Apache XML Commons	1.4.01	Apache License 2.0

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appflower_studio	1.0beta-preview	GPLv3.0
apr-util	1.5.2	Apache License 2.0
attr	2.4.46	GPLv2.0
attr-lib	2.4.47	LGPLv2.1
Audit	2.4.1	GPLv2.0
audit-libs	2.4.1	LGPLv2.1
backports.lzma	0.0.2	BSD 3-clause "New" or "Revised" License
base-files	10ubuntu1	GPLv2.0
Bash	4.2.46	GPLv3.0
Batik XML utility library	1.7	Apache License 2.0
beecrypt	4.2.1	LGPLv2.1
Bidirectional Text Support	1.0.0	Eclipse Public License 1.0
BIND (Berkeley Internet Name Domain)	9.9.4	ISC License
bind-libs	9.9.4	ISC License
bind-libs-lite	9.9.4	ISC License
bind-license	9.9.4	ISC License
bind-utils	9.9.4	ISC License
binutils	2.24	GPLv3.0 or later
Bluebird JS	3.5.0	MIT License
bluemusic	2.5.14	GPLv2.0
Boost C++ Libraries	1.53.0	Boost Software License 1.0
Bootstrap (Twitter)	3.3.5	MIT License

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bootstrap-multiselect	20180515 -snapshot -63a9191d	MIT License
bridge-utils	1.5	GPLv2.0
bsdutils	2.30.2	GPLv2.0 or later
Bundle for Workbench APIs available in e4	0.14.100	Eclipse Public License 1.0
bzip2	1.0.6	BSD 3-clause "New" or "Revised" License
bzip2-libs	1.0.6	BSD 3-clause "New" or "Revised" License
cavaliercoder/go-rpm	20170617 - snapshot - c7209c35	BSD 3-clause "New" or "Revised" License
centos-release	7	GPLv2.0
chart	3.2.0	Apache License 2.0
chkconfig	1.3.61	GPLv2.0
ci-node-server	0.0.6	MIT License
cloudinary_js	1.0.4	MIT License
CodeMirror	3.23.0	MIT License
com.sun.tools.visualvm.host	1.0.0	GPLv3.0
com.sun.tools.visualvm.jmx	1.0.0	GPLv3.0
com.sun.tools.visualvm.jvm	2.1.0	GPLv3.0
com-sun-tools-visualvm-api-caching	RELEASE139	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-application	RELEASE139	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-application-views	RELEASE138	GPLv2.0 w/Classpath exception

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com-sun-tools-visualvm-attach	RELEASE139	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-charts	RELEASE139	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-core	RELEASE135	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-coredump	RELEASE138	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-heapdump	RELEASE138	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-host	RELEASE135	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-host-remote	RELEASE139	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-host-views	RELEASE139	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-jvmstat	RELEASE138	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-modules-appui	RELEASE139	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-modules-startup	RELEASE138	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-profiler	RELEASE139	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-profiling	RELEASE139	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-sa	RELEASE135	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-sampler	RELEASE138	GPLv2.0 w/Classpath exception
com-sun-tools-visualvm-threaddump	RELEASE135	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.0

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NAME	VERSION	LICENSE TYPE
Console plug-in	1.1.200	Eclipse Public License 1.0
Control System Studio	20181203 -snapshot -1b86455b	Eclipse Public License 1.0
cpp	4.8.5	GPLv3.0
cracklib	2.9.0	LGPLv2.1
cracklib2	2.8.16	LGPLv2.1
crontabs	1.11	Public Domain
D3.js	3.4.11	BSD 3-clause "New" or "Revised" License
DB	5.3.21	Alternative Commercial License Available
Debian Php	5.3.3	PHP License v3.01
decorator	4.0.10	BSD 3-clause "New" or "Revised" License
dejavu-fonts-common	2.33	Bitstream Vera Fonts Copyright
dejavu-sans-fonts	2.33	Bitstream Vera Fonts Copyright
device-mapper	1.02.107	GPLv2.0
device-mapper-libs	1.02.107	LGPLv2.1
devtoolset-3-binutils	2.24	GPLv3.0
dhclient	4.2.5	ISC License
dhcp-common	4.2.5	ISC License
dhcp-doc	4.3.4	ISC License
dhcp-libs	4.2.5	ISC License
dicompyler	0.4.2	BSD 3-clause "New" or "Revised" License
diff	3.3	GPLv2.0 OR Free Documentation License v1.1 OR Free Documentation License v1.3 OR GPLv3.0

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diskscrub	2.5.2	GPLv2.0
DOMjudge	4.0-dev-end	LGPLv2.1
drozer	2.4.4	BSD 3-clause "New" or "Revised" License
e2fsprogs	1.42.9	GPLv2.0 AND LGPLv2.1
Eclipse	4.4.1	Eclipse Public License 1.0
Eclipse Bindings Support	0.11+E114:E133.100	Eclipse Public License 1.0
Eclipse Content Mechanism	3.4.200. v20140207-1251	Eclipse Public License 1.0
Eclipse CSS Core Support	0.12.101	Eclipse Public License 1.0
Eclipse CSS SWT Support	0.12.100	Eclipse Public License 1.0
Eclipse CSS SWT Theme Support	0.12.0	Eclipse Public License 1.0
Eclipse Dependency Injection	1.7.0	Eclipse Public License 1.0
Eclipse Dependency Injection Annotations	1.5.0	Eclipse Public License 1.0
Eclipse Dependency Injection Extensions	0.14.0	Eclipse Public License 1.0
Eclipse e4 Workbench Add-ons	1.2.101	Eclipse Public License 1.0
Eclipse ECJ	3.7.2	Eclipse Public License 1.0
eclipse equinox security	1.2.0. v20130424-1801	Eclipse Public License 1.0
Eclipse Help System Base	4.0.201. v20150204	Eclipse Public License 1.0
Eclipse Jobs Mechanism	3.6.0. v20140424-0053	Eclipse Public License 1.0
Eclipse Preferences Mechanism	3.5.200. v20140224-1527	Eclipse Public License 1.0

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Eclipse touchpoint bundle	2.1.200. v20130327-2119	Eclipse Public License 1.0
Eclipse UI	3.5.0. I20090604-2000	Eclipse Public License 1.0
Eclipse UI Dependency Injection	1.1.100	Eclipse Public License 1.0
Eclipse Workbench Model	1.2.0	Eclipse Public License 1.0
eclipse.equinox.event	1.3.100. v20140115-1647	Eclipse Public License 1.0
elfutils	0.163	GPLv3.0
Equinox	1.4.100. v20140514-1614	Eclipse Public License 1.0
Equinox Framework Admin	2.0.300	Eclipse Public License 1.0
Equinox Provisioning Director Application	1.0.500	Eclipse Public License 1.0
Equinox Provisioning JAR Processor	1.0.500	Eclipse Public License 1.0
Equinox Provisioning Operations API	2.4.200	Eclipse Public License 1.0
Equinox Provisioning Platform Update Support	1.0.400	Eclipse Public License 1.0
Equinox Security Default UI	1.1.300	Eclipse Public License 1.0
erlang	18.2.2	Apache License 2.0
erlang-base	18.2-dfsg	Apache License 2.0
erlang-erts	18.2.2	Apache License 2.0
erlang-kernel	18.2.2	Apache License 2.0
erlang-otp_mibs	18.3	Apache License 2.0

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erlang-stdlib	18.2.2	Apache License 2.0
erlang-syntax_tools	18.3	Apache License 2.0
es5-shim	4.0.3	MIT License
EventLog Library	0.2.12	BSD 3-clause "New" or "Revised" License
Expat XML Parser	2.1.0	MIT License
Expression Language	3.4.600.v20140128-0851	Eclipse Public License 1.0
Ext JS	3.2.0	Ext JS Commercial License OR Ext Exception to GPL 3.0 for Applications
Ext JS - Jangaroo Packaged	0.8.10	Affero GPLv3.0 AND GPLv3.0
Ext JS Ext.ux.YoutubePlayer	20080327	LGPLv2.1
Ext.ux.Livegrid Extension	0.5	Alternative Commercial License Available OR GPLv3.0
famfamfam-silk	1.3	Creative Commons Attribution 3.0
fastlz	0.1.0	MIT License
file	5.11	Fine Free File Command License
file-libs	5.11	BSD 3-clause "New" or "Revised" License
FileSaver.js	d8c81c105f3f952326ead7700c8cf6da2690eba0	MIT License
findutils	4.5.11	GPLv3.0
fipscheck	1.4.1	BSD 3-clause "New" or "Revised" License
fipscheck-lib	1.4.1	BSD 3-clause "New" or "Revised" License
firepad	0.1.4	MIT License
Flot	0.8.1	MIT License

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fontconfig	2.10.95	MIT License
FUSE	2.7.4	GPLv1.0 or later
Gawk	4.0.2	BSD 3-clause "New" or "Revised" License AND LGPLv3.0 or later AND GPLv3.0 or later
GDB	7.12	GPLv3.0
gdisk	0.8.10	GPLv2.0
gearmand	1.1.8	BSD 3-clause "New" or "Revised" License
Genius-Android	CAPRICE-V2.1.1	Apache License 2.0
GitHub's jsPDF	1.2.61	MIT License
gkernel: rng-tools / ethtool	4.5	GPLv2.0
GLib2	2.42.2	LGPLv2.1
global-store	0.7.1	MIT License
GMP	6.0.0	GPLv2.0 OR LGPLv3.0
GNU awk	4.0.2	GPLv3.0
GNU Binutils	2.23.52.0.1	GPLv3.0
GNU C Library	2.17	LGPLv2.1
GNU Compiler Collection	4.8.5	GPLv2.0 or later AND LGPLv3.0 or later AND LGPLv2.1 or later AND GPLv3.0 or later
GNU Core Utilities	8.22	GPLv3.0
GNU cpio	2.11	GPLv3.0
GNU grep	2.2	GPLv3.0

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GNU Ncurses	5.9	Free Software Foundation - MIT License (MIT+)
GNU Parted	3.1	GPLv3.0
GNU tar	1.26	GPLv3.0
GnuPG	2.0.22	LGPLv3.0 AND GPLv3.0
google-perftools	2.4	BSD 3-clause "New" or "Revised" License
google-snappy	1.1.0	BSD 3-clause "New" or "Revised" License
gpxe-roms-qemu	0.9.7	GPLv2.0
graphael	1.1.0	MIT License
grub	0.97	GPLv2.0
gzip	1.5	GPLv3.0 AND GFDL
Help System UI	4.0.200	Eclipse Public License 1.0
Help System Webapp	3.9.0	Eclipse Public License 1.0
Highcharts JS	4.2.5	Creative Commons Attribution Non Commercial 3.0 OR Alternative Commercial License Available
hiredis	0.2.0	BSD 3-clause "New" or "Revised" License
Http Service Registry Extensions	1.1.300. v20130402-1529	Eclipse Public License 1.0
Http Services Servlet	1.1.500	Eclipse Public License 1.0
httpd-tools	2.4.6	Apache License 2.0
httplib2	0.9.2	MIT License
IBM ICU	52.1.0. v201404241930	Eclipse Public License 1.0
initscripts	8.45.14.EL	GPLv3.0 or later

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IPTables	1.4.21	GPLv2.0
iputils	s20121221	GPLv2.0 AND BSD 3-clause "New" or "Revised" License AND Sun RPC License
IPython	2.4.1	BSD 3-clause "New" or "Revised" License
irqbalance	1.13	GPLv3.0
is-loading	1.0.1	MIT License
iterate-ch/cyberduck	release-4-7-7	GPLv3.0
Jasper Jsp Registry Support Plug-in	1.0.300. v20130327	Eclipse Public License 1.0
Java API for XML Processing	1.4	Apache License 2.0 OR W3C Software Notice and License (2002-12-31)
Java API for XML Web Services 2.2	2.0.4.Final	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.1
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Java Platform Standard Edition (JRE) (J2RE)	8u181	Oracle Binary Code JRE and JDK 7 License
Java Servlet API	2.1-rev-1	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.1
Java(TM) API for XML-Based Web Services 2.3	1.0.0.Final	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.1
JavaBeans Activation Framework	1.2.0	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.1

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JavaMail	1.4.6	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.1
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JavaMail API smtp provider	1.4.6	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.0
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Javax Inject from the JSR-330 Expert Group	1	Apache License 2.0
javax.servlet	3.0.0. v201112011016	Eclipse Public License 1.0
javax.servlet API v.2.5	3.1-b41	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.0
javax.servlet.jsp	2.2.0. v201112011158	Eclipse Public License 1.0
JBoss Drools	5.2.0.015	Apache License 2.0
Jetty :: Servlet Handling	8.1.14. v20131031	Apache License 2.0 AND Eclipse Public License 1.0
Jetty Orbit :: EL	2.2.0. v201303151357	Apache License 2.0 AND Eclipse Public License 1.0
Jetty Orbit :: javax el	2.2.0. v201303151357	Apache License 2.0 AND Eclipse Public License 1.0

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Jetty Orbit :: JSP Impl	2.2.2. v201501141630	Apache License 2.0 AND Eclipse Public License 1.0
Jetty: Java based HTTP, Servlet, SPDY, WebSocket Server	8.1.14. v20131031	Apache License 2.0 AND Eclipse Public License 1.0
JFace Data Binding	1.2.0	Eclipse Public License 1.0
JFace Data Binding for JavaBeans	1.3.100	Eclipse Public License 1.0
jQuery	1.12.2	MIT License
jQuery Mousewheel	3.1.6	MIT License
jQuery UI	1.11.0-1	MIT License
jquery-ejs	master-20101212	GPLv2.0
jQuery-Knob	1.2.2	MIT License
JSON2	0.01.0	LGPLv3.0
JSONPath	0.8.0	MIT License
jspdf-autotable	2.3.0	MIT License
jspm-resolve	1.0.6	MIT License
Jython	2.7.5	Jython License
keyutils	1.5.8	GPLv2.0 AND LGPLv2.1
keyutils-libs	1.5.8	GPLv2.0 AND LGPLv2.1
knottie-sammy	0.7.6	MIT License
Less	458	GPLv3.0
libaio	0.3.109	LGPLv2.1
libaio-dev	0.3.109	LGPLv2.1
libarchive	3.1.2	BSD 2-clause "Simplified" License

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libassuan	2.1.0	LGPLv2.1 OR GPLv3.0
libcap-dev	2.22	LGPLv2.1
libcap-ng	0.7.5	LGPLv2.1
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libdb	5.3.21	BSD 3-clause "New" or "Revised" License
libdb-utils	5.3.21	BSD 3-clause "New" or "Revised" License
libevent	2.0.21	BSD 3-clause "New" or "Revised" License
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libgcc	4.8.5	GPLv3.0
libgearman	1.1.8	BSD 3-clause "New" or "Revised" License
libgssglue	0.1	GPLv1.0 or later
libgssglue1	0.1	BSD 3-clause "New" or "Revised" License OR Xmlproc License OR Christian Michelsen Research License OR Silicon Graphics New License
libguestfs	1.16.19	LGPLv2.1
libidn	1.28	LGPLv2.1
libjpeg	1.2.90	BSD 3-clause "New" or "Revised" License
libjpeg-turbo	1.2.90	Independent JPEG Group License
libksba	1.3.5	GPLv2.0 AND Internet Society - RFC License AND LGPLv3.0 AND GPLv3.0
liblockdev1	1.0.4	LGPLv2.1
libmount	2.23.2	LGPLv2.1
libnfnetlink	1.0.1	GPLv2.0
libnfsidmap	0.25	BSD 3-clause "New" or "Revised" License

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libnfsidmap-dev	0.25	BSD 3-clause "New" or "Revised" License
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libpcap	1.5.3	BSD 3-clause "New" or "Revised" License
libpng	1.5.13	libpng License
libpth-dbg	2.0.7	LGPLv2.1
libpwquality	1.2.3	GPLv2.0 OR BSD 3-clause "New" or "Revised" License
libselinux	2.2.2	Public Domain
libsemanage	2.1.10	LGPLv2.1
libss	1.42.9	MIT License
libstdc++	4.8.5	GPLv3.0
libtirpc	0.2.4	BSD 3-clause "New" or "Revised" License
libunwind	1.1	MIT License
libuser	0.6	LGPLv2.1
libxml2-python	2.9.4	MIT License
libxslt	1.1.28	BigInteger License
Linux Diagnostic Tools	2.1.0	GPLv2.0 AND LGPLv2.1 AND Eclipse Public License 1.0
Linux kernel	3.10.0	GPLv2.0
Linux NTFS file system support	2.0.0	GPLv2.0
Linux-Pam	1.1.8	GPLv2.0 OR BSD 3-clause "New" or "Revised" License
logrotate	3.8.6	GPLv2.0
Lucene Analyzers	3.5.0	Apache License 2.0

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LVM2	2.02.130	GPLv2.0
lvm2-sysvinit	2.02.130	GPLv2.0
LZO real-time data compression library	2.06	GPLv2.0
M2Crypto	0.21.1	M2Crypto License (similar to Historical Permission Notice and Disclaimer)
magda-io/magda	v0.0.32	Apache License 2.0
Magic Assistant	1.3.1.13	Eclipse Public License 1.0
mailx	12.5	BSD-4-Clause (University of California-Specific) AND Mozilla Public License 1.1
MAKEDEV	3.23	GPLv2.0
Maven definition for updater.jar - external part of NetBeans module.	RELEASE802	Common Development and Distribution License 1.0 OR GPLv2.0
mcrypt	2.5.8	GPLv2.0
Metro OSGi API bundle for GlassFish V3	2.4.2	GPLv2.0 w/Classpath exception AND Common Development and Distribution License 1.1
mingetty	1.07	GPLv2.0
Modernizr	2.0.6	MIT License
module-init-tools	3.3	GPLv2.0
MongoDB	2.4.8	Affero GPLv3.0 AND Apache License 2.0
Mozilla NSS	3.16.2.3	Mozilla Public License 2.0
ms-amqp-transport	9.0.0	MIT License
mumble-django	2.5	GPLv2.0 or later
Mura CMS	6.0.5375	GPLv2.0 OR Alternative Commercial License Available

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MySQL for Python	1.2.3	GPLv3.0
mythtv-doc	29.0+fixes.20170728.696806310a	GPLv2.0
nbd	2.9.20	GPLv2.0
ncurses-libs	5.9	MIT License
ncurses-term	5.9	BSD 3-clause "New" or "Revised" License OR X11 License OR BigInteger License
Net-SNMP	5.7.2	BSD 3-clause "New" or "Revised" License AND CMU License
net-tools	2	LGPLv3.0
Network Time Protocol project (NTP)	4.2.8p6	GPLv2.0 AND BSD-4-Clause (University of California-Specific) AND BSD 3-clause "New" or "Revised" License AND MIT License
NFS	1.3.0	GPLv2.0 AND GPLv2.0 AND BSD 3-clause "New" or "Revised" License AND MIT License
nginx	1.0.15	BSD 2-clause "Simplified" License
NSS	3.19.1	Mozilla Public License 2.0
nss-softokn	3.19.1	Mozilla Public License 2.0
nss-softokn-freebl	3.19.1	Mozilla Public License 2.0
nss-tools	3.19.1	Mozilla Public License 2.0
nss-utils	3.19.1	Mozilla Public License 2.0
ntfs-3g-dev	2012.1.15	GPLv3.0
nvidia-visual-profiler	9.1.85	MIT v2.0 with Ad Clause License OR Independent JPEG Group License OR GLX Public License v1 OR ISC License OR X.Net License OR Affero GPLv3.0 OR GPLv2.0 OR BSD 3-clause "New" or "Revised" License

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OpenLDAP	2.4.40	Open LDAP Public License v2.8
openldap-clients	2.4.40	Open LDAP Public License v2.8
openpilot-drive	v0.3.4	MIT License
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OpenSSH	6.4p1	BSD 3-clause "New" or "Revised" License
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org.apache.jasper.glassfish	2.2.2. v201205150955	Eclipse Public License 1.0
org.apache.lucene.core_3.5.0.v20120725-1805.jar	3.5.0. v20120725-1805	Eclipse Public License 1.0
org.eclipse.core.net	1.2.200. v20140124-2013	Eclipse Public License 1.0
org.eclipse.ecf	3.1.300. v20120610-1946	Eclipse Public License 1.0
org.eclipse.ecf.filetransfer	5.0.0. v20130604-1622	Eclipse Public License 1.0
org.eclipse.ecf.provider.filetransfer	3.2.0. v20130604-1622	Eclipse Public License 1.0
org.eclipse.equinox.common	3.6.200. v20130402-1505	Eclipse Public License 1.0
org.eclipse.equinox.concurrent	1.1.0. v20130327-1442	Eclipse Public License 1.0
org.eclipse.equinox.ds	1.4.101. v20130813-1853	Eclipse Public License 1.0
org.eclipse.equinox.frameworkadmin	2.0.100. v20130327-2119	Eclipse Public License 1.0
org.eclipse.equinox.frameworkadmin.equinox	1.0.500. v20130327-2119	Eclipse Public License 1.0
org.eclipse.equinox.http.servlet	1.1.400. v20130418-1354	Eclipse Public License 1.0
org.eclipse.equinox.jsp.jasper	1.0.400. v20130327-1442	Eclipse Public License 1.0
org.eclipse.equinox.launcher	1.3.0. v20130327-1440	Eclipse Public License 1.0

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org.eclipse.equinox.p2.artifact.repository	1.1.300. v20130515-2028	Eclipse Public License 1.0
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org.eclipse.equinox.p2.core	2.3.0. v20130327-2119	Eclipse Public License 1.0
org.eclipse.equinox.p2.director	2.3.1. v20140221-1852	Eclipse Public License 1.0
org.eclipse.equinox.p2.directory	1.0.300. v20130327-2119	Eclipse Public License 1.0
org.eclipse.equinox.p2.engine	2.3.0. v20130526-2122	Eclipse Public License 1.0
org.eclipse.equinox.p2.garbagecollector	1.0.200. v20130327-2119	Eclipse Public License 1.0
org.eclipse.equinox.p2.jarprocessor	1.0.300. v20130327-2119	Eclipse Public License 1.0
org.eclipse.equinox.p2.metadata	2.2.0. v20130523-1557	Eclipse Public License 1.0
org.eclipse.equinox.p2.metadata.repository	1.2.100. v20130327-2119	Eclipse Public License 1.0
org.eclipse.equinox.p2.publisher	1.3.0. v20140129-1405	Eclipse Public License 1.0
org.eclipse.equinox.p2.publisher.eclipse	1.1.200. v20130516-1953	Eclipse Public License 1.0
org.eclipse.equinox.p2.reconciler.dropins	1.1.200. v20130419-1850	Eclipse Public License 1.0
org.eclipse.equinox.p2.repository	2.3.0. v20130412-2032	Eclipse Public License 1.0
org.eclipse.equinox.p2.touchpoint.natives	1.1.100. v20130327-2119	Eclipse Public License 1.0

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org.eclipse.equinox.p2.updatechecker	1.1.200. v20130327-2119	Eclipse Public License 1.0
org.eclipse.equinox.registry	3.5.400. v20140428-1507	Eclipse Public License 1.0
org.eclipse.equinox.simpleconfigurator.manipulator	2.0.0. v20130327-2119	Eclipse Public License 1.0
org.eclipse.equinox.util	1.0.500. v20130404-1337	Eclipse Public License 1.0
org.eclipse.help_3.6.0.v20130326-1254.jar	3.6.0. v20130326-1254	Eclipse Public License 1.0
org.eclipse.osgi	3.10.1. v20140909-1633	Eclipse Public License 1.0
org.eclipse.update.configurator	3.3.300. v20140518-1928	Eclipse Public License 1.0
org.openide.modules	1.0.0	GPLv3.0
org.openide.util	1.0.0	GPLv3.0
org.osgi:org.osgi.service.log	1.3.0	Apache License 2.0
org.sat4j.core	2.3.5. v201308161310	Eclipse Public License 1.0
org.sat4j.pb	2.3.5	LGPLv2.1 AND Eclipse Public License 1.0
org.w3c.dom.events	3.0.0. draft20060413_ v201105210656	Eclipse Public License 1.0
org.w3c.dom.smil_1.0.0.v200806040011.jar	1.0.0	Eclipse Public License 1.0
org.w3c.dom.svg_1.1.0.v201011041433.jar	1.1.0	Eclipse Public License 1.0
org-netbeans-api-annotations-common	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0

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org-netbeans-core-execution	RELEASE81	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
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org-netbeans-core-multiview	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-core-output2	RELEASE80-BETA	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
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org-netbeans-lib-profiler-common	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-lib-profiler-ui	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
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org-netbeans-modules-applemenu	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-autoupdate-cli	RELEASE74	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-autoupdate-services	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
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org-netbeans-modules-editor-mimelookup	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-editor-mimelookup-impl	RELEASE72	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-favorites	RELEASE80-BETA	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-javahelp	RELEASE801	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-keyring	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-keyring-fallback	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-masterfs	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-masterfs-nio2	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-options-api	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-options-keymap	RELEASE80	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-print	RELEASE74-BETA	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0

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NAME	VERSION	LICENSE TYPE
org-netbeans-modules-profiler	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-profiler-api	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-profiler-attach	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-profiler-heapwalker	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-profiler-oql	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-profiler-selector-api	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-profiler-selector-ui	RELEASE801	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-profiler-snaptracer	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-profiler-utilities	RELEASE711	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-queries	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-sampler	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0

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NAME	VERSION	LICENSE TYPE
org-netbeans-modules-sendopts	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-settings	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-templates	RELEASE802	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-modules-uihandler	RELEASE80	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-spi-quicksearch	RELEASE81	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-swing-outline	RELEASE74	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-swing-plaf	RELEASE80	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-netbeans-swing-tabcontrol	RELEASE80	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-actions	RELEASE80	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-awt	RELEASE711	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-compat	RELEASE691	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0

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org-openide-dialogs	RELEASE80-BETA	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-execution	RELEASE712	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-explorer	RELEASE712	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-filesystems	RELEASE80-BETA	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-io	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-loaders	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-modules	RELEASE139	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-nodes	RELEASE80	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-options	RELEASE69	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-text	RELEASE801	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-util	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0

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NAME	VERSION	LICENSE TYPE
org-openide-util-enumerations	RELEASE80	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-util-lookup	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
org-openide-windows	RELEASE138	GPLv2.0 w/Classpath exception OR Common Development and Distribution License 1.0
osFighter	master-20140421	Unknown License
osgi.core	6.0.0	Apache License 2.0
otj-pg-embedded	0.11.4	Apache License 2.0
pam_krb5	2.4.8	BSD 3-clause "New" or "Revised" License
parted	3.1	GPLv3.0
passwd	0.79	GPLv2.0 AND BSD 3-clause "New" or "Revised" License
pciutils-libs	3.2.1	GPLv2.0
PCRE	8.32	PCRE License
Percona XtraDB Cluster	5.5.34-25.9+dfsg	GPLv2.0
pexpect	2.3	MIT License
phantomjs	1.9.8	Apache License 2.0
PHP	5.6.25	PHP License v3.01
php-mongodb	1.1.2	Apache License 2.0
php-pecl-jsonc	1.3.6	PHP License v3.01
php-tcpdf-gnu-free-mono-fonts	6.2.26	LGPLv3.0
picard	2.8.2	MIT License

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NAME	VERSION	LICENSE TYPE
pika AMQP Module for RabbitMQ	0.10.0	BSD 3-clause "New" or "Revised" License
pinentry	0.8.1	GPLv2.0
pinentry-gtk2	0.8.1	GPLv2.0
Poedit	1.6.10	MIT License
popt	1.13	MIT License
PrettyTable	0.7.2	BSD 3-clause "New" or "Revised" License
prismic.io	1.1.4	Apache License 2.0
procps-ng	3.3.10	GPLv2.0 or later AND LGPLv2.1 or later AND GPLv3.0 or later
psmisc	22.2	GPLv2.0
psutil	3.4.1	BSD 3-clause "New" or "Revised" License
pth	2.0.7	LGPLv2.1
PUPA	0.97	GPLv2.0
PyCrypto	2.6.1	Public Domain
PycURL	7.43.0	cURL License OR LGPLv2.1
PyMongo	3.0.3	Apache License 2.0
pyrabbit	1.1.0	MIT License
py-rarfile	3	ISC License
py-requests	2.13.0	Apache License 2.0
py-setproctitle	1.1.9	BSD 3-clause "New" or "Revised" License
Python programming language	2.7.5	Python License 2.0
python-crypto	2.6.1	Public Domain AND Python License 2.0
python-dpkt	1.8.r98	BSD 3-clause "New" or "Revised" License

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python-gearman	2.0.2	Apache License 2.0
python-hiredis	0.2.0	BSD 3-clause "New" or "Revised" License
python-libevent	0.9.2	LGPLv3.0
python-M2Crypto	0.22.5	MIT License
python-oletools	0.51	BSD 3-clause "New" or "Revised" License AND MIT License AND Python License 2.0
python-pefile	1.2.10.139	BSD 3-clause "New" or "Revised" License
python-pillow	2.0.0	MIT License
python-reportlab	2.5	BSD 3-clause "New" or "Revised" License
python-rsa	3.4.2	Apache License 2.0
python-simplejson	3.8.2	MIT License
python-urlgrabber	3.1	LGPLv2.1
python-urwid	0.9.8.3	LGPLv2.1
PyTZ - Python Time Zone Library	2015.7	MIT License
py-urlgrabber-doc	3.10.1	LGPLv2.1
qemu-kvm	0.12.1.2	GPLv2.0 AND BSD 3-clause "New" or "Revised" License AND LGPLv2.1
rabbitmq-server	3.6.1	Mozilla Public License 1.1
rcs	5.9.0	GPLv3.0
Readline	6.2	GPLv3.0
Redis	3.2.4	BSD 3-clause "New" or "Revised" License
ReportLab	2.5	BSD 3-clause "New" or "Revised" License
requests	2.12.4	Apache License 2.0
rh-redis32-redis	3.2.4	BSD 3-clause "New" or "Revised" License

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NAME	VERSION	LICENSE TYPE
rootfiles	8.1	Public Domain
RPCBind	0.2.0	BSD 3-clause "New" or "Revised" License
RPM	4.11.3	GPLv2.0
rpm-libs	4.11.3	GPLv2.0 AND LGPLv2.1
rsync	3.0.9	GPLv3.0
Ruby	2.4.1	Ruby License
runtime	3.10.0. v20140318-2214	Eclipse Public License 1.0
sammyjs	0.7.6	MIT License
Saros - Distributed Party Programming	20181129 -snapshot -544d8fe8	GPLv2.0
Scout SDK org.eclipse.core.commands dependency (Incubation)	3.7.0. v20150422-0725	Eclipse Public License 1.0
Scout SDK org.eclipse.jface.text dependency (Incubation)	3.10.0. v20150603-1752	Eclipse Public License 1.0
Scout SDK org.eclipse.text dependency (Incubation)	3.5.400. v20150505-1044	Eclipse Public License 1.0
Scout SDK org.eclipse.ui dependency (Incubation)	3.107.0. v20150507-1945	Eclipse Public License 1.0
Scout SDK org.eclipse.ui.views dependency (Incubation)	3.8.0. v20150422-0725	Eclipse Public License 1.0
Scout SDK org.eclipse.ui.workbench dependency (Incubation)	3.107.0. v20150510-1732	Eclipse Public License 1.0
seabios	1.7.0	GPLv2.0 OR LGPLv2.1
sed	4.2.2	GPLv2.0

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NAME	VERSION	LICENSE TYPE
semanticdbScalacPlugin	4.0.0-M8	BSD 3-clause "New" or "Revised" License
setup	2.8.71-6.el7	Public Domain
sgabios	0	Apache License 2.0
Shadow Tool Suite	4.1.5.1	GPLv2.0 OR BSD 3-clause "New" or "Revised" License OR GPLv1.0 or later
simogeo's Filemanager	2.2.0	MIT License
Simple API for CSS (org.w3c.css.sac)	1.3.1. v200903091627	W3C IPR License
six Compatibility Utility	1.10.0	MIT License
smart_proxy_dhcp_remote_isc	0.0.2.1	GPLv3.0
snappy	1.1.0	BSD 3-clause "New" or "Revised" License
socket.io-browserify	0.9.11	MIT License
SQLite	3.7.17	Public Domain
StAX	1	Apache License 2.0
stomp-websocket	2.3.4	Apache License 2.0
strongSwan	5.6.0	GPLv2.0
Subrion	2.3.5	GPLv3.0
SVEditor	1.4	Eclipse Public License 1.0
SWT (Standard Widget Toolkit)	4.4.2	LGPLv2.1 AND Eclipse Public License 1.0 AND Mozilla Public License 1.1
sysfsutils	2.1.0	GPLv2.0 AND LGPLv2.1
sysklogd	1.4.1	GPLv2.0
syslog-ng	3.8.1	GPLv2.0
syslog-ng-incubator	3.8.1	GPLv2.0 with OpenSSL Exception
syslog-ng-python	3.8.1	GPLv2.0

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NAME	VERSION	LICENSE TYPE
sysstat	v10.1.5	GPLv2.0
sysvinit	2.86	GPLv2.0
Tadpole DB Hub	v1.1.1	LGPLv2.1
tcp_wrappers	7.6	BSD 3-clause "New" or "Revised" License
tcp_wrappers-libs	7.6	BSD 3-clause "New" or "Revised" License
TCPDF	6.2.8	LGPLv3.0
tcpdump	4.5.1	BSD 3-clause "New" or "Revised" License
telnet	0.17	BSD 3-clause "New" or "Revised" License
telnet-server	0.17	BSD 3-clause "New" or "Revised" License
testing-postgresql-server	0.4	Apache License 2.0
texinfo - GNU documentation system	5.1	GPLv3.0
tftp	5.2	BSD 3-clause "New" or "Revised" License
The FreeType Project	2.4.11	BSD 3-clause "New" or "Revised" License
Time Zone Database	2018g	Public Domain
Tor	0.2.3.25	BSD 3-clause "New" or "Revised" License OR Beerware License
traceroute	2.0.19	GPLv2.0
Tycho org.eclipse.osgi.compatibility.state dependency (Incubation)	1.0.100. v20150402-1551	Eclipse Public License 1.0
unixODBC	2.3.1	GPLv2.0
Unofficial OpenJDK build	1.6.0-unofficial -b27	GPLv2.0 w/Classpath exception
ustr	1.0.4	MIT License
util-linux	2.23.2	GPLv2.0

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NAME	VERSION	LICENSE TYPE
VasSonic	1	MIT License
vgabios	0.6b	LGPLv2.1
vim-minimal	7.4.160	Vim License
Visionmedia Debug	3.2.0	MIT License
VisualVM	1.3.8	GPLv2.0
vixie-cron	4.1	ISC License AND BSD 2-clause “Simplified” License AND BSD 3-clause "New" or "Revised" License'
vrl	0.4.3.1.0	LGPLv3.0
Webtoolkit Javascript base64	20090123	Creative Commons Attribution 2.0 UK License
Welcome Framework	3.5.2	Eclipse Public License 1.0
Wget	1.16.2	GPLv3.0
when	3.7.3	MIT License
xinetd	2.3.15	xinetd License
XMLTooling-C	1.6.4	Apache License 2.0
XZ Utils	5.1.2	GPLv2.0 or later AND LGPLv2.1 or later AND Public Domain AND GPLv3.0 or later
zlib	1.2.7	zlib License
Zulu Builds of OpenJDK for Windows	8.33.0.1	GPLv2.0 w/Classpath exception

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WildFire 8.1 OSS Listing

NAME	VERSION	LICENSE TYPE
LVM2	2.02.95	LGPLv2.1
M2Crypto	0.21.1	BSD
MAKEDEV	3.23	GPLv2
MySQL-client	5.5.28	GPLv2
MySQL-python	1.2.3	PSF
MySQL-server	5.5.28	GPLv2
MySQL-shared	5.5.28	GPLv2
SysVinit	2.86	GPLv2
appliance	1	GPLv2
attr	2.4.32	GPLv2
basesystem	8	Public Domain
bash	3.1	GPLv2
beecrypt	4.1.2	LGPLv2.1
bind-libs	9.3.3	ISC
bind-utils	9.3.3	ISC
binutils	2.23.51.0.3	GPL
bonnie++	1.03d	GPLv2
boost-program-options	1.41.0	BSD
bridge-utils	1.5	GPLv2
bzip2	1.0.3	BSD
bzip2-libs	1.0.3	BSD

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NAME	VERSION	LICENSE TYPE
chkconfig	1.3.30.1	GPLv2
consul	0.6.4	MPLv2.0
coreutils	5.97	GPLv2
cpio	2.6	GPLv2
cpp	4.1.1	GPLv2
cracklib	2.8.9	Artistic
cracklib-dicts	2.8.9	Artistic
crontabs	1.1	Public Domain
curl	7.20.1	MIT
dhclient	3.0.5	Distributable
diffutils	2.8.1	GPLv2
e2fsprogs	1.39	GPLv2
e2fsprogs-libs	1.39	GPLv2
e4fsprogs	1.41.12	GPLv2
e4fsprogs-libs	1.41.12	GPLv2
elfutils-libelf	0.128	GPLv2
erlang	18.2	Apache 2.0
ethtool	5	GPLv2
expat	1.95.8	BSD
fastlz	0.1.0	FastLZ
file	5.04	Distributable
file-libs	5.04	Distributable
filesystem	2.4.0	Distributable

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NAME	VERSION	LICENSE TYPE
findutils	4.2.27	GPLv2
fipscheck	1.2.0	FreeBSD
fipscheck-lib	1.2.0	FreeBSD
fontconfig	2.4.1	MIT
freetype	2.3.11	BSD-like
fuse-libs	2.7.4	GPLv2,LGPLv2
gawk	3.1.5	GPLv2
GDB	7.6.1	GPLv3+
gearmand	1.1.8	BSD
glib2	2.42.2	LGPLv2
glibc	2.12	LGPLv2
glibc-common	2.12	LGPLv2
gmp	4.3.1	LGPLv3
gnupg	1.4.5	GPLv2
gperftools	2.2	BSD
grep	2.5.1	GPLv2
grub	6.0.97	GPL
guestfs	1	LGPLv2
gzip	1.3.5	GPLv2
inetutils	1.5	GPLv3
info	4.8	GPLv2
initscripts	8.45.15	GPLv2
ipmitool	1.8.11	BSD-like

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NAME	VERSION	LICENSE TYPE
iproute	2.6.18	GPLv2
iptables	1.3.5	GPLv2
iptables-ipv6	1.3.5	GPLv2
iputils	20020927	GPLv2
irqbalance	1.13	GPLv2
java-wf	1	Oracle Binary Co
jdk-wf	7.0.25	Oracle Binary Co
keyutils-libs	1.2	LGPLv2.1
krb5-libs	1.13.1	MIT
krb5-workstation	1.13.1	MIT
less	394	GPLv2
leveldb	1.15.0	BSD
libaio	0.3.107	LGPLv2
libattr	2.4.32	LGPLv2.1
libcurl4	7.20.1	MIT
libevent	2.0.19	GPLv2
libgcc	4.4.7	LGPLv2
libgearman	1.1.8	BSD
libgethostbyname	1	LGPLv2
libgssapi	0.1	BSD-like
libjpeg	6b	IJG
liblog4shib1	1.09	LGPLv2.1
libmcrypt	2.5.8	LGPLv2

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NAME	VERSION	LICENSE TYPE
libpcap	0.9.4	BSD
libpng	1.2.44	OSI certified/ZI
libresolv	1	LGPLv2
libsaml8	2.5.5	Apache 2.0
libselinux	2.2.2	Public Domain
libssp	4.7.2	GPLv3
libstdc++	4.7.2	GPL
libsysfs	2.0.0	LGPLv2
libtecla	1.6.1	MIT/X11
libtermcap	2.0.8	Public Domain
libunwind	1.1	BSD
libuser	0.54.7	LGPLv2
libvolume_id	127	GPLv2
libxerces-c-3_1	3.1.2	Apache 2.0
libxml-security-c17	1.7.3	Apache 2.0
libxml2	2.9.4	MIT
libxml2-python	2.9.4	PSF
libxmltooling6	1.5.6	Apache 2.0
libxslt	1.1.28	MIT
Linux kernel	3.10.88	GPLv2
lockdev	1.0.1	LGPLv2.1
logrotate	3.7.4	GPLv2
mailx	8.1.1	BSD

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NAME	VERSION	LICENSE TYPE
mdadm	2.6.9	GPL
mingetty	1.07	GPLv2
mktemp	1.5	BSD
module-init-tools	3.3	GPLv2
mongodb	2.6.11	MIT
multipath-tools	0.4.9	GPLv2
nbd	2.9.0	GPLv2
ncurses	5.5	Distributable
net-SNMP	5.4.4	BSD
net-tools	1.6	GPLv2
nfs-utils	1.0.9	GPLv2
nfs-utils-lib	1.0.8	GPLv2
NSS	3.19.1	Mozilla Public License 2.0
nss-softokn	3.19.1	Mozilla Public License 2.0
nss-softokn-freebl	3.19.1	Mozilla Public License 2.0
nss-tools	3.19.1	Mozilla Public License 2.0
nss-utils	3.19.1	Mozilla Public License 2.0
ntfs-3g_ntfsprogs	2012.1.15	GPLv2,LGPLv2
ntp	4.2.8p6	Distributable
ntpdate	4.2.8p6	Distributable
openldap	2.4.23	OpenLDAP
openldap-clients	2.4.23	OpenLDAP
opensaml-schemas	2.5.5	Apache 2.0

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NAME	VERSION	LICENSE TYPE
openssh	6.4p1	BSD
openssh-clients	6.4p1	BSD
openssh-server	6.4p1	BSD
openssl	1.0.1e	OpenSSL
pam	1.0.2	BSD
pam_krb5	2.2.14	MIT
pam_ldap	1.8.4	LGPLv3
panos-release	2	GPLv2
passwd	0.73	GPLv2
pcre	6.6	BSD
pexpect	2.3	MIT
phantomjs	1.9.8	BSD
PHP	5.3.17	PHP v3.01
php-cli	5.3.17	PHP v3.01
php-common	5.3.17	PHP v3.01
php-ext	5.3.17	PHP v3.01
popt	1.12	MIT
portmap	4	BSD
procps	3.2.8	GPLv2
psmisc	22.2	BSD
pymongo	3.0.3	MIT
python	2.4.3	PSF
python-alt	2.7.5	PSF

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NAME	VERSION	LICENSE TYPE
python-alt-libs	2.7.5	PSF
python-bloom	0.1.12	BSD-like
python-bson	3.0.3	MIT
python-consul	0.6.0	MIT
python-decorator	4.1.10	BSD
python-dpkt	1.7	BSD-3
python-elementtree	1.2.6	PSF
python-gearman	2.0.2	Apache 2.0
python-hashlib	20081119	Python 2.5
python-hiredis	0.2.0	BSD
python-httplib2	0.9.2	MIT
python-imaging	1.1.5	Distributable
python-inotify	0.5	LGPLv2
python-magic	5.04	BSD
python-mcrypt	1.1	LGPLv2.1
python-prettytable	0.7.2	BSD
python-psutil	3.3.0	BSD
python-pycrypto	2.6.1	Public Domain
python-pycurl	7.43.0	LGPLv2.1
python-pyrabbit	1.1.0	MIT
python-pytz	2015.7	MIT
python-redis	7.43.0	MIT
python-redis-py-cluster	1.1.0	MIT

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NAME	VERSION	LICENSE TYPE
python-requests	2.8.0	Apache 2.0
python-rsa	3.4.2	Apache 2.0
python-setproctitle	1.1.9	BSD
python-simplejson	3.8.2	MIT
python-six	1.10.0	MIT
python-sqlite	1.1.7	Public Domain
python-urlgrabber	3.1.0	LGPLv2.1
python-uwsgi	2.0.12	GPLv2
qemu-kvm	0.15.1	GPLv2
rabbitmq-server	3.6.1	Apache 2.0
rcs	5.7	GPLv2
readline	5.1	GPLv2
redhat-logos	4.9.8	
redis	3.0.7	BSD
reportlab	2.2	BSD
rootfiles	8.1	Distributable
rpm	4.4.2	GPLv2
rpm-libs	4.4.2	GPLv2
rpm-python	4.4.2	GPLv2
scrub	2.1	GPLv2
sed	4.1.5	GPLv2
setup	2.5.58	Public Domain
shadow-utils	4.0.17	BSD

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NAME	VERSION	LICENSE TYPE
smartmontools	6.4	GPLv2
snappy	1.0.1	Apache 2.0
sqlite	3.6.12	Public Domain
sscep	1.0.0	BSD-like
sshpass	1.05	BSD
sysfsutils	2.0.0	GPLv2
sysklogd	1.4.1	GPLv2
tar	1.15.1	GPLv2
tcpdump	3.9.4	BSD
termcap	5.5	Public Domain
tftp	0.48	BSD
tor	0.2.3.25	BSD-3
traceroute	2.0.1	GPLv2
tunctl	1.5	GPLv2
tzdata	2011l	Public domain
udev	127	GPLv2
util-linux	2.13	GPLv2
vim-minimal	7.0.109	Charityware
vixie-cron	4.1	ISC
wget	1.16.2	GPLv3
xinetd	2.3.14	Distributable
xmltooling-schemas	1.5.6	Apache 2.0
xz-libs	4.999.9	LGPLv2

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NAME	VERSION	LICENSE TYPE
zlib	1.2.3	BSD

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WildFire 8.0 OSS Listing

NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
LVM2	OSS Shared library linkage	2.02.95	LGPLv2.1	Logical Volume Manager (version 2) for deploying logical storage
M2Crypto	Standalone apps/ libraries	0.21.1	BSD	Support for using OpenSSL in python scripts
MAKEDEV	Standalone apps/ libraries	3.23	GPLv2	A program used for creating the device files in /dev
MySQL-client	Standalone apps/ libraries	5.5.28	GPLv2	MySQL - Client
MySQL-python	Standalone apps/ libraries	1.2.3	PSF	An interface to MySQL
MySQL-server	Standalone apps/ libraries	5.5.28	GPLv2	MySQL: a very fast and reliable SQL database server
MySQL-shared	Standalone apps/ libraries	5.5.28	GPLv2	MySQL - Shared libraries
SysVinit	Standalone apps/ libraries	2.86	GPLv2	Programs which control basic system processes
appliance	Standalone apps/ libraries	1	GPLv2	Fixed appliance stuff for WildFire
attr	Standalone apps/ libraries	2.4.32	GPLv2	Utilities for managing file system extended attributes
basesystem		8	Public Domain	The skeleton package which defines a simple Red Hat Linux system
bash	Standalone apps/ libraries	3.1	GPLv2	The GNU Bourne Again shell (bash) version 3.1
beecrypt	OSS Shared library linkage	4.1.2	LGPLv2.1	An open source cryptography library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
bind-libs	OSS Shared library linkage	9.3.3	ISC	Libraries used by the BIND DNS packages
bind-utils	Standalone apps/ libraries	9.3.3	ISC	Utilities for querying DNS name servers
binutils		2.23.51.0.3	GPL	A collection of binary tools
bonnie++	Standalone apps/ libraries	1.03d	GPLv2	A program for benchmarking hard drives and file systems
boost-program-options	Standalone apps/ libraries	1.41.0	BSD	Runtime component of boost program_options library
bridge-utils	Standalone apps/ libraries	1.5	GPLv2	Utilities for creating and managing bridge devices
bzip2	Standalone apps/ libraries	1.0.3	BSD	A file compression utility
bzip2-libs	OSS Shared library linkage	1.0.3	BSD	Libraries for applications using bzip2
chkconfig	Standalone apps/ libraries	1.3.30.1	GPLv2	A system tool for maintaining the /etc/rc*.d hierarchy
consul	Standalone apps/ libraries	0.6.4	MPLv2.0	Consul is a tool for service discovery and configuration
coreutils	Standalone apps/ libraries	5.97	GPLv2	The GNU core utilities: a set of tools commonly used in shell scripts
cpio	Standalone apps/ libraries	2.6	GPLv2	A GNU archiving program
cpp	Standalone apps/ libraries	4.1.1	GPLv2	The C Preprocessor
cracklib	OSS Shared library linkage	2.8.9	Artistic	A password-checking library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
cracklib-dicts	Dictionaries used by cracklib	2.8.9	Artistic	The standard CrackLib password-checking dictionaries
crontabs	Root crontab files, used by system utilities	1.1	Public Domain	Root crontab files used to schedule the execution of programs
curl	Standalone apps/ libraries	7.20.1	MIT	Get and send files to a FTP, HTTP, TFTP, SSH or other servers
dhclient	Standalone apps/ libraries	3.0.5	Distributable	The ISC DHCP client for configuring network interfaces
diffutils	Standalone apps/ libraries	2.8.1	GPLv2	A GNU collection of diff utilities
e2fsprogs	Standalone apps/ libraries	1.39	GPLv2	Utilities for managing the second extended (ext2) file system
e2fsprogs-libs	OSS Shared library linkage	1.39	GPLv2	Ext2/3 file-system-specific static libraries and headers
e4fsprogs	Standalone apps/ libraries	1.41.12	GPLv2	Utilities for managing the fourth extended (ext4) file system
e4fsprogs-libs	OSS Shared library linkage	1.41.12	GPLv2	Ext4 file-system-specific static libraries and headers
elfutils-libelf	OSS Shared library linkage	0.128	GPLv2	Library to read and write ELF files
erlang	Standalone apps/ libraries	18.2	Apache 2.0	General-purpose programming language and runtime environment
ethtool	Standalone apps/ libraries	5	GPLv2	Ethernet settings tool for PCI ethernet cards
expat	OSS Shared library linkage	1.95.8	BSD	A library for parsing XML

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
fastlz	Shared library linkage	0.1.0	FastLZ	A real-time compression library
file	Standalone apps/ libraries	5.04	Distributable	A utility for determining file types
file-libs	Standalone apps/ libraries	5.04	Distributable	Libraries for applications using the LibMagic Perl interface
filesystem	Standalone apps/ libraries	2.4.0	Distributable	The basic directory layout for a Linux system
findutils	Standalone apps/ libraries	4.2.27	GPLv2	The GNU versions of find utilities (find and xargs)
fipscheck	Standalone apps/ libraries	1.2.0	FreeBSD	A library for integrity verification of FIPS validated modules
fipscheck-lib	Standalone apps/ libraries	1.2.0	FreeBSD	Library files for fipscheck
fontconfig	OSS Shared library linkage	2.4.1	MIT	Font configuration and customization library
freetype	OSS Shared library linkage	2.3.11	BSD-like	A free and portable font rendering engine
fuse-libs	Standalone apps/ libraries	2.7.4	GPLv2,LGPLv2	File System in Userspace (FUSE) libraries
gawk	Standalone apps/ libraries	3.1.5	GPLv2	The GNU version of the awk text processing utility
GDB	Standalone apps/ libraries	7.6.1	GPLv3+	A GNU source-level debugger for C, C++, Java and other languages
gearmand	Standalone apps/ libraries	1.1.8	BSD	A distributed job system
glib2	OSS Shared library linkage	2.42.2	LGPLv2	A library of useful utility functions

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
glibc	Shared library linkage	2.12	LGPLv2	The GNU libc libraries
glibc-common	Shared library linkage	2.12	LGPLv2	Common binaries and locale data for glibc
gmp	OSS Shared library linkage	4.3.1	LGPLv3	A GNU arbitrary precision library
gnupg	Standalone apps/ libraries	1.4.5	GPLv2	A GNU utility for secure communication and data storage
gperftools	OSS Shared library linkage	2.2	BSD	Performance Tools for C++
grep	Standalone apps/ libraries	2.5.1	GPLv2	The GNU versions of grep pattern matching utilities
grub	Standalone apps/ libraries	6.0.97	GPL	GRUB - the Grand Unified Boot Loader
guestfs	Standalone apps/ libraries	1	LGPLv2	For guestfs stuff in WildFire
gzip	Standalone apps/ libraries	1.3.5	GPLv2	The GNU data compression program
inetutils	Standalone apps/ libraries	1.5	GPLv3	Internet utilities
info	Standalone apps/ libraries	4.8	GPLv2	A stand-alone TTY-based reader for GNU Texinfo documentation
initscripts	Standalone apps/ libraries + startup and shutdown scripts	8.45.15	GPLv2	The inittab file and the /etc/ init.d scripts
ipmitool	Standalone apps/ libraries	1.8.11	BSD-like	Open source Intelligent Platform Management Interface (IPMI) utilities and scripts

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
iproute	Standalone apps/ libraries	2.6.18	GPLv2	Advanced IP routing and network device configuration tools
iptables	Standalone apps/ libraries	1.3.5	GPLv2	Tools for managing Linux kernel packet filtering capabilities
iptables-ipv6	Standalone apps/ libraries	1.3.5	GPLv2	IPv6 support for IP tables
iputils	Standalone apps/ libraries	20020927	GPLv2	Network monitoring tools including ping
irqbalance	Standalone apps/ libraries	1.13	GPLv2	IRQ balancing daemon
java-wf	Standalone apps/ libraries	1	Oracle Binary Co	Java JDK 7 installer and patch spec file
jdk-wf	Standalone apps/ libraries	7.0.25	Oracle Binary Co	Java JDK 7 installer for WildFire
keyutils-libs	Key utilities library	1.2	LGPLv2.1	OSS Shared library linkage
krb5-libs	Shared library linkage	1.13.1	MIT	The shared libraries used by Kerberos 5
krb5-workstation	Standalone apps/ libraries	1.13.1	MIT	Kerberos 5 programs for use on workstations
less	Standalone apps/ libraries	394	GPLv2	A text file browser similar to more, but better
leveldb	Shared library linkage	1.15.0	BSD	LevelDB library
libaio	OSS Shared library linkage	0.3.107	LGPLv2	Linux-native asynchronous I/O access library
libattr	OSS Shared library linkage	2.4.32	LGPLv2.1	Dynamic library for extended attribute support.
libcurl4	Shared library linkage	7.20.1	MIT	The cURL library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libevent	OSS Shared library linkage	2.0.19	GPLv2	Abstract asynchronous event notification library
libgcc	Shared library linkage	4.4.7	LGPLv2	GCC version 4.1 shared support library
libgearman	Standalone apps/ libraries	1.1.8	BSD	Development libraries for gearman
libgethostbyname	Shared library linkage	1	LGPLv2	Fix glibc ghost bug
libgssapi	OSS Shared library linkage	0.1	BSD-like	Generic Security Services Application Programming Interface Library
libjpeg	OSS Shared library linkage	6b	IJG	A library for manipulating JPEG image format files
liblog4shib1	Standalone apps/ libraries	1.09	LGPLv2.1	Log for C++, Shibboleth Edition
libmcrypt	OSS Shared library linkage	2.5.8	LGPLv2	Encryption algorithms library
libpcap	Shared library linkage	0.9.4	BSD	A system-independent interface for user-level packet capture
libpng	Shared library linkage	1.2.44	OSI certified/Zl	A library of functions for manipulating PNG image format files
libresolv	Shared library linkage	1	LGPLv2	A library of functions for packets sent to a DNS
libsaml8	OpenSAML SAML library	2.5.5	Apache 2.0	Standalone apps/libraries
libselinux	OSS Shared library linkage	2.2.2	Public Domain	SELinux library and simple utilities
libssp	OSS Shared library linkage	4.7.2	GPLv3	A library to translate some pythos library speech signal processing (SSP) to C++

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libstdc++	Shared library linkage	4.7.2	GPL	GNU Standard C++ Library
libsysfs	OSS Shared library linkage	2.0.0	LGPLv2	Shared library for interfacing with the Linux sysfs virtual file system
libtecla	Shared library linkage	1.6.1	MIT/X11	The Tecla command-line editing library
libtermcap	Configuration Files	2.0.8	Public Domain	A basic system library for accessing the termcap database
libunwind	OSS Shared library linkage	1.1	BSD	Unwind Library
libuser	OSS Shared library linkage	0.54.7	LGPLv2	A user and group account administration library
libvolume_id	OSS Shared library linkage	127	GPLv2	Dynamic libraries to get volume IDs
libxerces-c-3_1	Standalone apps/ libraries	3.1.2	Apache 2.0	Shared library for Xerces-C++ validating XML parser
libxml-security-c17	Standalone apps/ libraries	1.7.3	Apache 2.0	Apache XML security C++ library
libxml2	Shared library linkage	2.9.4	MIT	Library providing XML and HTML support
libxml2-python	Standalone apps/ libraries	2.9.4	PSF	Python bindings for the libxml2 library
libxmltooling6	Standalone apps/ libraries	1.5.6	Apache 2.0	OpenSAML XMLTooling library
libxslt	Shared library linkage	1.1.28	MIT	Library providing the Gnome XSLT engine
Linux kernel	Operating System (OS) core	3.10.88	GPLv2.0	The core interface between the operating system and processes.

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
lockdev	Standalone apps/ libraries	1.0.1	LGPLv2.1	A library for locking devices
logrotate	Standalone apps/ libraries	3.7.4	GPLv2	Rotates, compresses, removes and mails system log files
mailx	Standalone apps/ libraries	8.1.1	BSD	The /bin/mail program for sending quick email messages
mdadm		2.6.9	GPL	Linux utility used to manage and monitor software RAID devices
mingetty	Standalone apps/ libraries	1.07	GPLv2	A compact getty program for virtual consoles only
mktemp	Standalone apps/ libraries	1.5	BSD	A small utility for safely making .TMP files
module-init-tools	Standalone apps/ libraries	3.3	GPLv2	Kernel module management utilities
mongodb	Standalone apps/ libraries	2.6.11	MIT	MongoDB client shell and tools
multipath-tools	Standalone apps/ libraries	0.4.9	GPLv2	Tools for managing device mapping using mulltiple paths
nbd	Standalone apps/ libraries	2.9.0	GPLv2	An network block device (NBD) protocol parsing library
ncurses	Shared library linkage	5.5	Distributable	A terminal handling library
net-snmp	Standalone apps/ libraries	5.4.4	BSD	Tools and servers for the SNMP protocol
net-tools	Standalone apps/ libraries	1.6	GPLv2	Basic networking tools
nfs-utils	Standalone apps/ libraries	1.0.9	GPLv2	Network File System (NFS) utilities and supporting

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
				clients and daemons for the kernel NFS server
nfs-utils-lib	OSS Shared library linkage	1.0.8	GPLv2	Network File System (NFS) Support Library
nss-softokn-freebl	Shared library linkage	3.14.3	MPLv2.0	Freebl library for the Network Security Services
ntfs-3g_ntfsprogs	Standalone apps/ libraries	2012.1.15	GPLv2,LGPLv2	An NTFS utilities suite used to handle Windows NTFS file systems
ntp	Standalone apps/ libraries	4.2.8p6	Distributable	The Network Time Protocol (NTP) daemon and utilities
ntpdate	Standalone apps/ libraries	4.2.8p6	Distributable	Utility to set the date and time via Network Time Protocol (NTP)
openldap	Shared library linkage	2.4.23	OpenLDAP	The configuration files, libraries, and documentation for OpenLDAP
openldap-clients	Standalone apps/ libraries	2.4.23	OpenLDAP	Client programs for OpenLDAP
opensaml-schemas	Standalone apps/ libraries	2.5.5	Apache 2.0	OpenSAML schemas and catalog
openssh	Standalone apps/ libraries	6.4p1	BSD	An open source implementation of SSH protocol versions 1 and 2
openssh-clients	Standalone apps/ libraries	6.4p1	BSD	An open source SSH client application
openssh-server	Standalone apps/ libraries	6.4p1	BSD	An open source SSH server daemon
openssl	Shared library linkage	1.0.1e	OpenSSL	A general purpose cryptography library with TLS implementation

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
pam	Shared library linkage	1.0.2	BSD	A security tool which provides authentication for applications
pam_krb5	Standalone apps/ libraries	2.2.14	MIT	A pluggable authentication module (PAM) for Kerberos 5
pam_ldap	OSS Shared library linkage	1.8.4	LGPLv3	A pluggable authentication module (PAM) for use with LDAP servers
panos-release	Base Linux OS version info for our systems	2	GPLv2	PAN-OS® Linux release file
passwd	Standalone apps/ libraries	0.73	GPLv2	The passwd utility for setting/changing passwords using PAM
pcre	Shared library linkage	6.6	BSD	Perl-compatible regular expression library
pexpect	OSS libraries in interpreted scripts	2.3	MIT	Pexpect is a Pure Python Expect-like module
phantomjs	OSS Shared library linkage	1.9.8	BSD	Head-Less Web Browser
php	Standalone apps/ libraries	5.3.17	PHP v3.01	PHP server-side scripting language
php-cli	Standalone apps/ libraries	5.3.17	PHP v3.01	Command-line interface for PHP server-side scripting language
php-common	Standalone apps/ libraries	5.3.17	PHP v3.01	Common files for PHP server-side scripting language
php-ext	Standalone apps/ libraries	5.3.17	PHP v3.01	Shared PHP-Ext open source widget library for PHP 4 and PHP 5 server-side scripting language

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
popt	OSS Shared library linkage	1.12	MIT	A C library for parsing command line parameters
portmap	Standalone apps/ libraries	4	BSD	A program which manages remote procedure call (RPC) connections
procps	Standalone apps/ libraries	3.2.8	GPLv2	System and process monitoring utilities
psmisc	Standalone apps/ libraries	22.2	BSD	Utilities for managing processes on your system
pymongo	OSS libraries in interpreted scripts	3.0.3	MIT	Python driver for MongoDB
python	Standalone apps/ libraries	2.4.3	PSF	An interpreted, interactive, object-oriented programming language
python-alt		2.7.5	PSF	An interpreted, interactive, object-oriented programming language
python-alt-libs		2.7.5	PSF	Runtime libraries for Python
python-bloom	OSS libraries in interpreted scripts	0.1.12	BSD-like	Python implementation of bloom filter
python-bson	OSS libraries in interpreted scripts	3.0.3	MIT	Python bson library
python-consul	OSS libraries in interpreted scripts	0.6.0	MIT	Python client for Consul (www.consul.io)
python-decorator	OSS libraries in interpreted scripts	4.1.10	BSD	Python 2 and 3 compatibility utilities
python-dpkt	OSS libraries in interpreted scripts	1.7	BSD-3	Simple packet creation/ parsing library
python-elementtree	OSS libraries in interpreted scripts	1.2.6	PSF	Fast XML parser and writer

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
python-gearman	OSS libraries in interpreted scripts	2.0.2	Apache 2.0	Gearman API - Client, worker, and admin client interfaces
python-hashlib	OSS libraries in interpreted scripts	20081119	Python 2.5	Secure hash and message digest algorithm library
python-hiredis	OSS libraries in interpreted scripts	0.2.0	BSD	Python wrapper for hiredis
python-httplib2	OSS libraries in interpreted scripts	0.9.2	MIT	A comprehensive HTTP client library
python-imaging	OSS libraries in interpreted scripts	1.1.5	Distributable	Python's own image processing library
python-inotify	OSS libraries in interpreted scripts	0.5	LGPLv2	Python API for Linux filesystem events monitoring
python-magic	OSS libraries in interpreted scripts	5.04	BSD	Python bindings for the LibMagic Perl interface
python-mcrypt	OSS libraries in interpreted scripts	1.1	LGPLv2.1	Python interface to mcrypt library
python-prettytable	OSS libraries in interpreted scripts	0.7.2	BSD	Python libray for easily displaying tabular data
python-psutil	OSS libraries in interpreted scripts	3.3.0	BSD	Python interface for managing system and process utilities
python-pycrypto	OSS libraries in interpreted scripts	2.6.1	Public Domain	Python Cryptography toolkit
python-pycurl	OSS libraries in interpreted scripts	7.43.0	LGPLv2.1	The python interface to the cURL library
python-pyrabbit	OSS libraries in interpreted scripts	1.1.0	MIT	Python interface to the RabbitMQ Management HTTP API
python-pytz	OSS libraries in interpreted scripts	2015.7	MIT	World timezone definitions, modern and historical

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
python-redis	OSS libraries in interpreted scripts	7.43.0	MIT	Python client for Redis key-value store
python-redis-py-cluster	OSS libraries in interpreted scripts	1.1.0	MIT	The Cluster library for redis 3.0.0 built on top of redis-py lib
python-requests	OSS libraries in interpreted scripts	2.8.0	Apache 2.0	The HTTP library written in python
python-setproctitle	OSS libraries in interpreted scripts	1.1.9	BSD	Python interface for changing process title
python-simplejson	OSS libraries in interpreted scripts	3.8.2	MIT	Simple, fast, extensible JSON encoder/decoder for Python
python-six	OSS libraries in interpreted scripts	1.10.0	MIT	Python 2 and 3 compatibility utilities
python-sqlite	Shared library linkage	1.1.7	Public Domain	Python bindings for SQLite
python-urlgrabber	OSS libraries in interpreted scripts	3.1.0	LGPLv2.1	A high-level cross-protocol URL-grabber
python-uwsgi	OSS libraries in interpreted scripts	2.0.12	GPLv2	The uWSGI server with python plugin
qemu-kvm	Standalone apps/ libraries	0.15.1	GPLv2	Supports virtualization when executing under the Kernel-based Virtual Machine (KVM) module
rabbitmq-server	Standalone apps/ libraries	3.6.1	Apache 2.0	The RabbitMQ server
rcs	Standalone apps/ libraries	5.7	GPLv2	Revision control system (RCS) file version management tools
readline	OSS Shared library linkage	5.1	GPLv2	A library for editing typed command lines

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
redhat-logos		4.9.8		Red Hat-related icons and pictures
redis	Standalone apps/ libraries	3.0.7	BSD	A persistent key-value database
reportlab	OSS libraries in interpreted scripts	2.2	BSD	Python PDF generation library
rootfiles	Standalone apps/ libraries	8.1	Distributable	The basic required files for the root user's directory
rpm	Standalone apps/ libraries	4.4.2	GPLv2	The Route Processing Module (RPM) package management system
rpm-libs	Standalone apps/ libraries	4.4.2	GPLv2	Libraries for manipulating Route Processing Module (RPM) packages
rpm-python	OSS libraries in interpreted scripts	4.4.2	GPLv2	Python bindings for apps which will manipulate Route Processing Module (RPM) packages
scrub	Standalone apps/ libraries	2.1	GPLv2	Disk scrubbing program
sed	Standalone apps/ libraries	4.1.5	GPLv2	A GNU stream text editor
setup		2.5.58	Public Domain	A set of system configuration and setup files
shadow-utils	Standalone apps/ libraries	4.0.17	BSD	Utilities for managing accounts and shadow password files
smartmontools	Standalone apps/ libraries	6.4	GPLv2	S.M.A.R.T. utility toolset
snappy	Shared library linkage	1.0.1	Apache 2.0	High-speed compression and decompression library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
sqlite	Shared library linkage	3.6.12	Public Domain	Library that implements an embeddable SQLite in-process database engine
sscep	Standalone apps/ libraries	1.0.0	BSD-like	Simple SCEP client
sshpass	Standalone apps/ libraries	1.05	BSD	Non-interactive SSH password provider
sysfsutils	Standalone apps/ libraries	2.0.0	GPLv2	Shared library for interfacing with the Linux sysfs virtual file system
sysklogd	Standalone apps/ libraries	1.4.1	GPLv2	System logging and kernel message trapping daemons
tar	Standalone apps/ libraries	1.15.1	GPLv2	A GNU file archiving program
tcpdump	Standalone apps/ libraries	3.9.4	BSD	A network traffic monitoring tool
termcap	Configuration Files	5.5	Public Domain	The terminal feature database used by certain applications
tftp	Standalone apps/ libraries	0.48	BSD	The client for Trivial FTP (TFTP)
tor	Standalone apps/ libraries	0.2.3.25	BSD-3	Anonymizing overlay network for TCP (The Onion Router)
traceroute	Standalone apps/ libraries	2.0.1	GPLv2	Traces the route taken by packets over an IPv4/IPv6 network
tunctl	Standalone apps/ libraries	1.5	GPLv2	Tool used to create and maintain persistent TUN/ TAP interfaces
tzdata	Configuration files	2011l	Public domain	Time-zone data

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
udev	Standalone apps/ libraries	127	GPLv2	Device manager for device nodes and user space events (improved functionality over devfs)
util-linux	Standalone apps/ libraries	2.13	GPLv2	A collection of basic system utilities
vim-minimal	Standalone apps/ libraries	7.0.109	Charityware	A minimal version of VIsual editor iMproved (VIM)
vixie-cron	Standalone apps/ libraries	4.1	ISC	The Vixie cron daemon for executing scheduled commands
wget	Standalone apps/ libraries	1.16.2	GPLv3	A utility for retrieving files using the HTTP or FTP protocols
xinetd	Standalone apps/ libraries	2.3.14	Distributable	A secure replacement for inetd
xmltooling-schemas	Standalone apps/ libraries	1.5.6	Apache 2.0	XMLTooling schemas and catalog
xz-libs	OSS Shared library linkage	4.999.9	LGPLv2	Libraries for decoding LZMA compression
zlib	Shared library linkage	1.2.3	BSD	The zlib compression and decompression library

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WildFire 7.1 OSS Listing

NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
LVM2	OSS Shared library linkage	2.02.95	LGPLv2.1	Logical Volume Manager (version 2) for deploying logical storage
M2Crypto	Standalone apps/ libraries	0.21.1	BSD	Support for using OpenSSL in python scripts
MAKEDEV	Standalone apps/ libraries	3.23	GPLv2	A program used for creating the device files in /dev
MySQL-client	Standalone apps/ libraries	5.5.28	GPLv2	MySQL - Client
MySQL-python	Standalone apps/ libraries	1.2.3	PSF	An interface to MySQL
MySQL-server	Standalone apps/ libraries	5.5.28	GPLv2	MySQL: a very fast and reliable SQL database server
MySQL-shared	Standalone apps/ libraries	5.5.28	GPLv2	MySQL - Shared libraries
SysVinit	Standalone apps/ libraries	2.86	GPLv2	Programs which control basic system processes
appliance	Standalone apps/ libraries	1	GPLv2	Fixed appliance stuff for WildFire
attr	Standalone apps/ libraries	2.4.32	GPLv2	Utilities for managing file system extended attributes
basesystem		8	Public Domain	The skeleton package which defines a simple Red Hat Linux system
bash	Standalone apps/ libraries	3.1	GPLv2	The GNU Bourne Again shell (bash) version 3.1
beecrypt	OSS Shared library linkage	4.1.2	LGPLv2.1	An open source cryptography library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
bind-libs	OSS Shared library linkage	9.3.3	ISC	Libraries used by the BIND DNS packages
bind-utils	Standalone apps/ libraries	9.3.3	ISC	Utilities for querying DNS name servers
binutils		2.23.51.0.3	GPL	A collection of binary tools
bonnie++	Standalone apps/ libraries	1.03d	GPLv2	A program for benchmarking hard drives and file systems
bridge-utils	Standalone apps/ libraries	1.5	GPLv2	Utilities for creating and managing bridge devices
bzip2	Standalone apps/ libraries	1.0.3	BSD	A file compression utility
bzip2-libs	OSS Shared library linkage	1.0.3	BSD	Libraries for applications using bzip2
chkconfig	Standalone apps/ libraries	1.3.30.1	GPLv2	A system tool for maintaining the /etc/rc*.d hierarchy
coreutils	Standalone apps/ libraries	5.97	GPLv2	The GNU core utilities: a set of tools commonly used in shell scripts
cpio	Standalone apps/ libraries	2.6	GPLv2	A GNU archiving program
cpp	Standalone apps/ libraries	4.1.1	GPLv2	The C Preprocessor
cracklib	OSS Shared library linkage	2.8.9	Artistic	A password-checking library
cracklib-dicts	Dictionaries used by cracklib	2.8.9	Artistic	The standard CrackLib password-checking dictionaries
crontabs	Root crontab files, used by system utilities	1.1	Public Domain	Root crontab files used to schedule the execution of programs

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
curl	Standalone apps/ libraries	7.20.1	MIT	Get and send files to a FTP, HTTP, TFTP, SSH or other servers
dhclient	Standalone apps/ libraries	3.0.5	Distributable	The ISC DHCP client for configuring network interfaces
diffutils	Standalone apps/ libraries	2.8.1	GPLv2	A GNU collection of diff utilities
e2fsprogs	Standalone apps/ libraries	1.39	GPLv2	Utilities for managing the second extended (ext2) file system
e2fsprogs-libs	OSS Shared library linkage	1.39	GPLv2	Ext2/3 file-system-specific static libraries and headers
e4fsprogs	Standalone apps/ libraries	1.41.12	GPLv2	Utilities for managing the fourth extended (ext4) file system
e4fsprogs-libs	OSS Shared library linkage	1.41.12	GPLv2	Ext4 file-system-specific static libraries and headers
elfutils-libelf	OSS Shared library linkage	0.128	GPLv2	Library to read and write ELF files
ethtool	Standalone apps/ libraries	5	GPLv2	Ethernet settings tool for PCI ethernet cards
expat	OSS Shared library linkage	1.95.8	BSD	A library for parsing XML
fastlz	Shared library linkage	0.1.0	FastLZ	A real-time compression library
file	Standalone apps/ libraries	5.04	Distributable	A utility for determining file types
file-libs	Standalone apps/ libraries	5.04	Distributable	Libraries for applications using the LibMagic Perl interface

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
filesystem	Standalone apps/ libraries	2.4.0	Distributable	The basic directory layout for a Linux system
findutils	Standalone apps/ libraries	4.2.27	GPLv2	The GNU versions of find utilities (find and xargs)
fipscheck	Standalone apps/ libraries	1.2.0	FreeBSD	A library for integrity verification of FIPS validated modules
fipscheck-lib	Standalone apps/ libraries	1.2.0	FreeBSD	Library files for fipscheck
fontconfig	OSS Shared library linkage	2.4.1	MIT	Font configuration and customization library
freetype	OSS Shared library linkage	2.3.11	BSD-like	A free and portable font rendering engine
fuse-libs	Standalone apps/ libraries	2.7.4	GPLv2,LGPLv2	File System in Userspace (FUSE) libraries
gawk	Standalone apps/ libraries	3.1.5	GPLv2	The GNU version of the awk text processing utility
gdb	Standalone apps/ libraries	7.6.1	GPLv3+	A GNU source-level debugger for C, C++, Java and other languages
glib2	OSS Shared library linkage	2.12.3	LGPLv2	A library of useful utility functions
glibc	Shared library linkage	2.12	LGPLv2	The GNU libc libraries
glibc-common	Shared library linkage	2.12	LGPLv2	Common binaries and locale data for glibc
gmp	OSS Shared library linkage	4.3.1	LGPLv3	A GNU arbitrary precision library
gnupg	Standalone apps/ libraries	1.4.5	GPLv2	A GNU utility for secure communication and data storage

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
gperftools	OSS Shared library linkage	2.2	BSD	Performance Tools for C++
grep	Standalone apps/ libraries	2.5.1	GPLv2	The GNU versions of grep pattern matching utilities
grub	Standalone apps/ libraries	6.0.97	GPL	GRUB - the Grand Unified Boot Loader
guestfs	Standalone apps/ libraries	1	LGPLv2	For guestfs stuff in WildFire
gzip	Standalone apps/ libraries	1.3.5	GPLv2	The GNU data compression program
inetutils	Standalone apps/ libraries	1.5	GPLv3	Internet utilities
info	Standalone apps/ libraries	4.8	GPLv2	A stand-alone TTY-based reader for GNU Texinfo documentation
initscripts	Standalone apps/ libraries + startup and shutdown scripts	8.45.15	GPLv2	The inittab file and the /etc/ init.d scripts
ipmitool	Standalone apps/ libraries	1.8.11	BSD-like	Open source Intelligent Platform Management Interface (IPMI) utilities and scripts
iproute	Standalone apps/ libraries	2.6.18	GPLv2	Advanced IP routing and network device configuration tools
iptables	Standalone apps/ libraries	1.3.5	GPLv2	Tools for managing Linux kernel packet filtering capabilities
iptables-ipv6	Standalone apps/ libraries	1.3.5	GPLv2	IPv6 support for IP tables
iputils	Standalone apps/ libraries	20020927	GPLv2	Network monitoring tools including ping

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
irqbalance	Standalone apps/ libraries	1.13	GPLv2	IRQ balancing daemon
java-wf	Standalone apps/ libraries	1	Oracle Binary Co	Java JDK 7 installer and patch spec file
jdk-wf	Standalone apps/ libraries	7.0.25	Oracle Binary Co	Java JDK 7 installer for WildFire
krb5-libs	Shared library linkage	1.8.1	MIT	The shared libraries used by Kerberos 5
krb5-workstation	Standalone apps/ libraries	1.8.1	MIT	Kerberos 5 programs for use on workstations
less	Standalone apps/ libraries	394	GPLv2	A text file browser similar to more, but better
leveldb	Shared library linkage	1.15.0	BSD	LevelDB library
libaio	OSS Shared library linkage	0.3.107	LGPLv2	Linux-native asynchronous I/O access library
libattr	OSS Shared library linkage	2.4.32	LGPLv2.1	Dynamic library for extended attribute support.
libcurl4	Shared library linkage	7.20.1	MIT	The cURL library
libevent	OSS Shared library linkage	2.0.19	GPLv2	Abstract asynchronous event notification library
libgcc	Shared library linkage	4.4.7	LGPLv2	GCC version 4.1 shared support library
libgethostbyname	Shared library linkage	1	LGPLv2	Fix glibc ghost bug
libgssapi	OSS Shared library linkage	0.1	BSD-like	Generic Security Services Application Programming Interface Library
libjpeg	OSS Shared library linkage	6b	IJG	A library for manipulating JPEG image format files
libmcrypt	OSS Shared library linkage	2.5.8	LGPLv2	Encryption algorithms library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libpcap	Shared library linkage	0.9.4	BSD	A system-independent interface for user-level packet capture
libpng	Shared library linkage	1.2.44	OSI certified/Zl	A library of functions for manipulating PNG image format files
libresolv	Shared library linkage	1	LGPLv2	A library of functions for packets sent to a DNS
libselinux	OSS Shared library linkage	2.2.2	Public Domain	SELinux library and simple utilities
libssp	OSS Shared library linkage	4.7.2	GPLv3	A library to translate some pythos library speech signal processing (SSP) to C++
libstdc++	Shared library linkage	4.7.2	GPL	GNU Standard C++ Library
libsysfs	OSS Shared library linkage	2.0.0	LGPLv2	Shared library for interfacing with the Linux sysfs virtual file system
libtecla	Shared library linkage	1.6.1	MIT/X11	The Tecla command-line editing library
libtermcap	Configuration Files	2.0.8	Public Domain	A basic system library for accessing the termcap database
libunwind	OSS Shared library linkage	1.1	BSD	Unwind Library
libuser	OSS Shared library linkage	0.54.7	LGPLv2	A user and group account administration library
libvolume_id	OSS Shared library linkage	127	GPLv2	Dynamic libraries to get volume IDs
libxml2	Shared library linkage	2.9.1	MIT	Library providing XML and HTML support
libxml2-python	Standalone apps/ libraries	2.9.1	PSF	Python bindings for the libxml2 library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libxslt	Shared library linkage	1.1.22	MIT	Library providing the Gnome XSLT engine
Linux kernel	Operating System (OS) core	2.6.32	GPLv2.0	The core interface between the operating system and processes.
lockdev	Standalone apps/ libraries	1.0.1	LGPLv2.1	A library for locking devices
logrotate	Standalone apps/ libraries	3.7.4	GPLv2	Rotates, compresses, removes and mails system log files
mailx	Standalone apps/ libraries	8.1.1	BSD	The /bin/mail program for sending quick email messages
mdadm		2.6.9	GPL	Linux utility used to manage and monitor software RAID devices
mingetty	Standalone apps/ libraries	1.07	GPLv2	A compact getty program for virtual consoles only
mktemp	Standalone apps/ libraries	1.5	BSD	A small utility for safely making .TMP files
module-init-tools	Standalone apps/ libraries	3.3	GPLv2	Kernel module management utilities
mongodb	Standalone apps/ libraries	2.4.3	MIT	MongoDB client shell and tools
multipath-tools	Standalone apps/ libraries	0.4.9	GPLv2	Tools for managing device mapping using mulltiple paths
nbd	Standalone apps/ libraries	2.9.0	GPLv2	An network block device (NBD) protocol parsing library
ncurses	Shared library linkage	5.5	Distributable	A terminal handling library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
net-snmp	Standalone apps/ libraries	5.4.4	BSD	Tools and servers for the SNMP protocol
net-tools	Standalone apps/ libraries	1.6	GPLv2	Basic networking tools
nfs-utils	Standalone apps/ libraries	1.0.9	GPLv2	Network File System (NFS) utilities and supporting clients and daemons for the kernel NFS server
nfs-utils-lib	OSS Shared library linkage	1.0.8	GPLv2	Network File System (NFS) Support Library
nss-softokn-freebl	Shared library linkage	3.14.3	MPLv2.0	Freebl library for the Network Security Services
ntfs-3g_ntfsprogs	Standalone apps/ libraries	2012.1.15	GPLv2,LGPLv2	An NTFS utilities suite used to handle Windows NTFS file systems
ntp	Standalone apps/ libraries	4.2.8	Distributable	The Network Time Protocol (NTP) daemon and utilities
ntpdate	Standalone apps/ libraries	4.2.8	Distributable	Utility to set the date and time via Network Time Protocol (NTP)
openldap	Shared library linkage	2.4.23	OpenLDAP	The configuration files, libraries, and documentation for OpenLDAP
openldap-clients	Standalone apps/ libraries	2.4.23	OpenLDAP	Client programs for OpenLDAP
openssh	Standalone apps/ libraries	6.4p1	BSD	An open source implementation of SSH protocol versions 1 and 2
openssh-clients	Standalone apps/ libraries	6.4p1	BSD	An open source SSH client application
openssh-server	Standalone apps/ libraries	6.4p1	BSD	An open source SSH server daemon

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
openssl	Shared library linkage	1.0.1e	OpenSSL	A general purpose cryptography library with TLS implementation
pam	Shared library linkage	1.0.2	BSD	A security tool which provides authentication for applications
pam_krb5	Standalone apps/ libraries	2.2.14	MIT	A pluggable authentication module (PAM) for Kerberos 5
pam_ldap	OSS Shared library linkage	1.8.4	LGPLv3	A pluggable authentication module (PAM) for use with LDAP servers
panos-release	Base Linux OS version info for our systems	2	GPLv2	PAN-OS® Linux release file
passwd	Standalone apps/ libraries	0.73	GPLv2	The passwd utility for setting/changing passwords using PAM
pcre	Shared library linkage	6.6	BSD	Perl-compatible regular expression library
pexpect	OSS libraries in interpreted scripts	2.3	MIT	Pexpect is a Pure Python Expect-like module
phantomjs	OSS Shared library linkage	1.9.8	BSD	Head-Less Web Browser
php	Standalone apps/ libraries	5.3.17	PHP v3.01	PHP server-side scripting language
php-cli	Standalone apps/ libraries	5.3.17	PHP v3.01	Command-line interface for PHP server-side scripting language
php-common	Standalone apps/ libraries	5.3.17	PHP v3.01	Common files for PHP server-side scripting language
php-ext	Standalone apps/ libraries	5.3.17	PHP v3.01	Shared PHP-Ext open source widget library for

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
				PHP 4 and PHP 5 server-side scripting language
popt	OSS Shared library linkage	1.12	MIT	A C library for parsing command line parameters
portmap	Standalone apps/ libraries	4	BSD	A program which manages remote procedure call (RPC) connections
procps	Standalone apps/ libraries	3.2.8	GPLv2	System and process monitoring utilities
psmisc	Standalone apps/ libraries	22.2	BSD	Utilities for managing processes on your system
pymongo	OSS libraries in interpreted scripts	2.1.1	MIT	Python driver for MongoDB
python	Standalone apps/ libraries	2.4.3	PSF	An interpreted, interactive, object-oriented programming language
python-bloom	OSS libraries in interpreted scripts	0.1.12	BSD-like	Python implementation of bloom filter
python-bson	OSS libraries in interpreted scripts	2.1.1	MIT	Python bson library
python-dpkt	OSS libraries in interpreted scripts	1.7	BSD-3	Simple packet creation/ parsing library
python-elementtree	OSS libraries in interpreted scripts	1.2.6	PSF	Fast XML parser and writer
python-hashlib	OSS libraries in interpreted scripts	20081119	Python 2.5	Secure hash and message digest algorithm library
python-imaging	OSS libraries in interpreted scripts	1.1.5	Distributable	Python's own image processing library
python-magic	OSS libraries in interpreted scripts	5.04	BSD	Python bindings for the LibMagic Perl interface
python-sqlite	Shared library linkage	1.1.7	Public Domain	Python bindings for SQLite

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
python-urlgrabber	OSS libraries in interpreted scripts	3.1.0	LGPLv2.1	A high-level cross-protocol URL-grabber
qemu-kvm	Standalone apps/ libraries	0.15.1	GPLv2	Supports virtualization when executing under the Kernel-based Virtual Machine (KVM) module
rcs	Standalone apps/ libraries	5.7	GPLv2	Revision control system (RCS) file version management tools
readline	OSS Shared library linkage	5.1	GPLv2	A library for editing typed command lines
redhat-logos		4.9.8		Red Hat-related icons and pictures
reportlab	OSS libraries in interpreted scripts	2.2	BSD	Python PDF generation library
rootfiles	Standalone apps/ libraries	8.1	Distributable	The basic required files for the root user's directory
rpm	Standalone apps/ libraries	4.4.2	GPLv2	The Route Processing Module (RPM) package management system
rpm-libs	Standalone apps/ libraries	4.4.2	GPLv2	Libraries for manipulating Route Processing Module (RPM) packages
rpm-python	OSS libraries in interpreted scripts	4.4.2	GPLv2	Python bindings for apps which will manipulate Route Processing Module (RPM) packages
scrub	Standalone apps/ libraries	2.1	GPLv2	Disk scrubbing program
sed	Standalone apps/ libraries	4.1.5	GPLv2	A GNU stream text editor
setup		2.5.58	Public Domain	A set of system configuration and setup files

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
shadow-utils	Standalone apps/ libraries	4.0.17	BSD	Utilities for managing accounts and shadow password files
snappy	Shared library linkage	1.0.1	Apache 2.0	High-speed compression and decompression library
sqlite	Shared library linkage	3.6.12	Public Domain	Library that implements an embeddable SQLite in-process database engine
sscep	Standalone apps/ libraries	1.0.0	BSD-like	Simple SCEP client
sshpass	Standalone apps/ libraries	1.05	BSD	Non-interactive SSH password provider
sysfsutils	Standalone apps/ libraries	2.0.0	GPLv2	Shared library for interfacing with the Linux sysfs virtual file system
sysklogd	Standalone apps/ libraries	1.4.1	GPLv2	System logging and kernel message trapping daemons
tar	Standalone apps/ libraries	1.15.1	GPLv2	A GNU file archiving program
tcpdump	Standalone apps/ libraries	3.9.4	BSD	A network traffic monitoring tool
termcap	Configuration Files	5.5	Public Domain	The terminal feature database used by certain applications
tftp	Standalone apps/ libraries	0.48	BSD	The client for Trivial FTP (TFTP)
tor	Standalone apps/ libraries	0.2.3.25	BSD-3	Anonymizing overlay network for TCP (The Onion Router)
traceroute	Standalone apps/ libraries	2.0.1	GPLv2	Traces the route taken by packets over an IPv4/IPv6 network

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
tunctl	Standalone apps/ libraries	1.5	GPLv2	Tool used to create and maintain persistent TUN/ TAP interfaces
tzdata	Configuration files	2011l	Public domain	Time-zone data
udev	Standalone apps/ libraries	127	GPLv2	Device manager for device nodes and user space events (improved functionality over devfs)
util-linux	Standalone apps/ libraries	2.13	GPLv2	A collection of basic system utilities
vim-minimal	Standalone apps/ libraries	7.0.109	Charityware	A minimal version of VIsual editor iMproved (VIM)
vixie-cron	Standalone apps/ libraries	4.1	ISC	The Vixie cron daemon for executing scheduled commands
wget	Standalone apps/ libraries	1.16.2	GPLv3	A utility for retrieving files using the HTTP or FTP protocols
xinetd	Standalone apps/ libraries	2.3.14	Distributable	A secure replacement for inetd
xz-libs	OSS Shared library linkage	4.999.9	LGPLv2	Libraries for decoding LZMA compression
zlib	Shared library linkage	1.2.3	BSD	The zlib compression and decompression library

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WildFire 7.0 OSS Listing

NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
LVM2	OSS Shared library linkage	2.02.95	LGPLv2.1	device-mapper
M2Crypto	Standalone apps/ libraries	0.21.1	BSD	Support for using OpenSSL in python scripts
MAKEDEV	Standalone apps/ libraries	3.23	GPLv2	A program used for creating the device files in /dev
MySQL-client	Standalone apps/ libraries	5.5.28	GPLv2	MySQL - Client
MySQL-python	Standalone apps/ libraries	1.2.3	PSF	An interface to MySQL
MySQL-server	Standalone apps/ libraries	5.5.28	GPLv2	MySQL: a very fast and reliable SQL database server
MySQL-shared	Standalone apps/ libraries	5.5.28	GPLv2	MySQL - Shared libraries
SysVinit	Standalone apps/ libraries	2.86	GPLv2	Programs which control basic system processes
appliance	Standalone apps/ libraries	1	GPLv2	Fixed appliance stuff for WildFire
attr	Standalone apps/ libraries	2.4.32	GPLv2	Utilities for managing file system extended attributes
basesystem		8	Public Domain	The skeleton package which defines a simple Red Hat Linux system
bash	Standalone apps/ libraries	3.1	GPLv2	The GNU Bourne Again shell (bash) version 3.1
beecrypt	OSS Shared library linkage	4.1.2	LGPLv2.1	An open source cryptography library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
bind-libs	OSS Shared library linkage	9.3.3	ISC	Libraries used by the BIND DNS packages
bind-utils	Standalone apps/ libraries	9.3.3	ISC	Utilities for querying DNS name servers
bonnie++	Standalone apps/ libraries	1.03d	GPLv2	A program for benchmarking hard drives and file systems
bridge-utils	Standalone apps/ libraries	1.5	GPLv2	Utilities for creating and managing bridge devices
bzip2	Standalone apps/ libraries	1.0.3	BSD	A file compression utility
bzip2-libs	OSS Shared library linkage	1.0.3	BSD	Libraries for applications using bzip2
chkconfig	Standalone apps/ libraries	1.3.30.1	GPLv2	A system tool for maintaining the /etc/rc*.d hierarchy
coreutils	Standalone apps/ libraries	5.97	GPLv2	The GNU core utilities: a set of tools commonly used in shell scripts
cpio	Standalone apps/ libraries	2.6	GPLv2	A GNU archiving program
cpp	Standalone apps/ libraries	4.1.1	GPLv2	The C Preprocessor
cracklib	OSS Shared library linkage	2.8.9	Artistic	A password-checking library
cracklib-dicts	Dictionaries used by cracklib	2.8.9	Artistic	The standard CrackLib password-checking dictionaries
crontabs	Root crontab files, used by system utilities	1.1	Public Domain	Root crontab files used to schedule the execution of programs

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
curl	Standalone apps/ libraries	7.20.1	MIT	Get and send files to a FTP, HTTP, TFTP, SSH or other servers
dhclient	Standalone apps/ libraries	3.0.5	Distributable	The ISC DHCP client for configuring network interfaces
diffutils	Standalone apps/ libraries	2.8.1	GPLv2	A GNU collection of diff utilities
e2fsprogs	Standalone apps/ libraries	1.39	GPLv2	Utilities for managing the second extended (ext2) file system
e2fsprogs-libs	OSS Shared library linkage	1.39	GPLv2	Ext2/3 file-system-specific static libraries and headers
e4fsprogs	Standalone apps/ libraries	1.41.12	GPLv2	Utilities for managing the fourth extended (ext4) file system
e4fsprogs-libs	OSS Shared library linkage	1.41.12	GPLv2	Ext4 file-system-specific static libraries and headers
elfutils-libelf	OSS Shared library linkage	0.128	GPLv2	Library to read and write ELF files
ethtool	Standalone apps/ libraries	5	GPLv2	Ethernet settings tool for PCI ethernet cards
expat	OSS Shared library linkage	1.95.8	BSD	A library for parsing XML
fastlz	Shared library linkage	0.1.0	FastLZ	A real-time compression library
file	Standalone apps/ libraries	5.04	Distributable	A utility for determining file types
file-libs	Standalone apps/ libraries	5.04	Distributable	Libraries for applications using the LibMagic Perl interface

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
filesystem	Standalone apps/ libraries	2.4.0	Distributable	The basic directory layout for a Linux system
findutils	Standalone apps/ libraries	4.2.27	GPLv2	The GNU versions of find utilities (find and xargs)
fipscheck	Standalone apps/ libraries	1.2.0	FreeBSD	A library for integrity verification of FIPS validated modules
fipscheck-lib	Standalone apps/ libraries	1.2.0	FreeBSD	Library files for fipscheck
fuse-libs	Standalone apps/ libraries	2.7.4	GPLv2,LGPLv2	File System in Userspace (FUSE) libraries
gawk	Standalone apps/ libraries	3.1.5	GPLv2	The GNU version of the awk text processing utility
gdb	Standalone apps/ libraries	7.6.1	GPLv3+	A GNU source-level debugger for C, C++, Java and other languages
glib2	OSS Shared library linkage	2.12.3	LGPLv2	A library of useful utility functions
glibc	Shared library linkage	2.12	LGPLv2	The GNU libc libraries
glibc-common	Shared library linkage	2.12	LGPLv2	Common binaries and locale data for glibc
gmp	OSS Shared library linkage	4.3.1	LGPLv3	A GNU arbitrary precision library
gnupg	Standalone apps/ libraries	1.4.5	GPLv2	A GNU utility for secure communication and data storage
gperftools	OSS Shared library linkage	2.2	BSD	Performance Tools for C++
grep	Standalone apps/ libraries	2.5.1	GPLv2	The GNU versions of grep pattern matching utilities

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
grub	Standalone apps/ libraries	6.0.97	GPL	GRUB - the Grand Unified Boot Loader
guestfs	Standalone apps/ libraries	1	LGPLv2	For guestfs stuff in WildFire
gzip	Standalone apps/ libraries	1.3.5	GPLv2	The GNU data compression program
inetutils	Standalone apps/ libraries	1.5	GPLv3	Internet utilities
info	Standalone apps/ libraries	4.8	GPLv2	A stand-alone TTY-based reader for GNU Texinfo documentation
initscripts	Standalone apps/ libraries + startup and shutdown scripts	8.45.15	GPLv2	The inittab file and the /etc/ init.d scripts
ipmitool	Standalone apps/ libraries	1.8.11	BSD-like	Open source Intelligent Platform Management Interface (IPMI) utilities and scripts
iproute	Standalone apps/ libraries	2.6.18	GPLv2	Advanced IP routing and network device configuration tools
iptables	Standalone apps/ libraries	1.3.5	GPLv2	Tools for managing Linux kernel packet filtering capabilities
iptables-ipv6	Standalone apps/ libraries	1.3.5	GPLv2	IPv6 support for IP tables
iputils	Standalone apps/ libraries	20020927	GPLv2	Network monitoring tools including ping
irqbalance		1.13		IRQ balancing daemon
java-wf	Standalone apps/ libraries	1	Oracle Binary Co	Java JDK 7 installer and patch spec file

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
jdk-wf	Standalone apps/ libraries	7.0.25	Oracle Binary Co	Java JDK 7 installer for WildFire
krb5-libs	Shared library linkage	1.8.1	MIT	The shared libraries used by Kerberos 5
krb5-workstation	Standalone apps/ libraries	1.8.1	MIT	Kerberos 5 programs for use on workstations
less	Standalone apps/ libraries	394	GPLv2	A text file browser similar to more, but better
leveldb	Shared library linkage	1.15.0	BSD	LevelDB library
libaio	OSS Shared library linkage	0.3.107	LGPLv2	Linux-native asynchronous I/O access library
libattr	OSS Shared library linkage	2.4.32	LGPLv2.1	Dynamic library for extended attribute support.
libcurl4	Shared library linkage	7.20.1	MIT	The cURL library
libevent	OSS Shared library linkage	2.0.19	GPLv2	Abstract asynchronous event notification library
libgcc	Shared library linkage	4.4.7	LGPLv2	GCC version 4.1 shared support library
libgethostbyname	Shared library linkage	1	LGPLv2	Fix glibc ghost bug
libgssapi	OSS Shared library linkage	0.1	BSD-like	Generic Security Services Application Programming Interface Library
libjpeg	OSS Shared library linkage	6b	IJG	A library for manipulating JPEG image format files
libmcrypt	OSS Shared library linkage	2.5.8	LGPLv2	Encryption algorithms library
libpcap	Shared library linkage	0.9.4	BSD	A system-independent interface for user-level packet capture

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libpng	Shared library linkage	1.2.44	OSI Certified (Zlib)	A library of functions for manipulating PNG image format files
libselinux	OSS Shared library linkage	2.2.2	Public Domain	SELinux library and simple utilities
libstdc++	Shared library linkage	4.7.2	GPL	GNU Standard C++ Library
libsysfs	OSS Shared library linkage	2.0.0	LGPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
libtecla	Shared library linkage	1.6.1	MIT/X11	The Tecla command-line editing library
libtermcap	Configuration Files	2.0.8	Public Domain	A basic system library for accessing the termcap database
libunwind	OSS Shared library linkage	1.1	BSD	Unwind Library
libuser	OSS Shared library linkage	0.54.7	LGPLv2	A user and group account administration library
libvolume_id	OSS Shared library linkage	127	GPLv2	Dynamic libraries to get volume IDs
libxml2	Shared library linkage	2.9.1	MIT	Library providing XML and HTML support
libxml2-python	Standalone apps/ libraries	2.9.1	PSF	Python bindings for the libxml2 library
libxslt	Shared library linkage	1.1.22	MIT	Library providing the Gnome XSLT engine
Linux kernel	Operating System (OS) core	2.6.32	GPLv2.0	The core interface between the operating system and processes.
lockdev	Standalone apps/ libraries	1.0.1	LGPLv2.1	A library for locking devices

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
logrotate	Standalone apps/ libraries	3.7.4	GPLv2	Rotates, compresses, removes and mails system log files
mailx	Standalone apps/ libraries	8.1.1	BSD	The /bin/mail program for sending quick email messages
mdadm		2.6.9	GPL	Linux utility used to manage and monitor software RAID devices
mingetty	Standalone apps/ libraries	1.07	GPLv2	A compact getty program for virtual consoles only
mktemp	Standalone apps/ libraries	1.5	BSD	A small utility for safely making .TMP files
module-init-tools	Standalone apps/ libraries	3.3	GPLv2	Kernel module management utilities
mongodb	Standalone apps/ libraries	2.4.3	MIT	MongoDB client shell and tools
multipath-tools	Standalone apps/ libraries	0.4.9	GPLv2	multipath-tools
nbd	Standalone apps/ libraries	2.9.0	GPLv2	nbd
ncurses	Shared library linkage	5.5	Distributable	A terminal handling library
net-snmp	Standalone apps/ libraries	5.4.4	BSD	Tools and servers for the SNMP protocol
net-tools	Standalone apps/ libraries	1.6	GPLv2	Basic networking tools
nfs-utils	Standalone apps/ libraries	1.0.9	GPLv2	Network File System (NFS) utilities and supporting clients and daemons for the kernel NFS server
nfs-utils-lib	OSS Shared library linkage	1.0.8	GPLv2	Network File System (NFS) Support Library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
nss-softokn-freebl	Shared library linkage	3.14.3	MPLv2.0	Freebl library for the Network Security Services
ntfs-3g_ntfsprogs	Standalone apps/ libraries	2012.1.15	GPLv2,LGPLv2	ntfs-3g
ntp	Standalone apps/ libraries	4.2.8	Distributable	The Network Time Protocol (NTP) daemon and utilities
ntpdate	Standalone apps/ libraries	4.2.8	Distributable	Utility to set the date and time via Network Time Protocol (NTP)
openldap	Shared library linkage	2.4.23	OpenLDAP	The configuration files, libraries, and documentation for OpenLDAP
openldap-clients	Standalone apps/ libraries	2.4.23	OpenLDAP	Client programs for OpenLDAP
openssh	Standalone apps/ libraries	6.4p1	BSD	An open source implementation of SSH protocol versions 1 and 2
openssh-clients	Standalone apps/ libraries	6.4p1	BSD	An open source SSH client application
openssh-server	Standalone apps/ libraries	6.4p1	BSD	An open source SSH server daemon
openssl	Shared library linkage	1.0.1e	OpenSSL	A general purpose cryptography library with TLS implementation
pam	Shared library linkage	1.0.2	BSD	A security tool which provides authentication for applications
pam_krb5	Standalone apps/ libraries	2.2.14	MIT	A pluggable authentication module (PAM) for Kerberos 5

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
pam_ldap	OSS Shared library linkage	1.8.4	LGPLv3	A pluggable authentication module (PAM) for use with LDAP servers
panos-release	Base Linux OS version info for our systems	2	GPLv2	PAN-OS® Linux release file
passwd	Standalone apps/ libraries	0.73	GPLv2	The passwd utility for setting/changing passwords using PAM
pcre	Shared library linkage	6.6	BSD	Perl-compatible regular expression library
pexpect	OSS libraries in interpreted scripts	2.3	MIT	Pexpect is a Pure Python Expect-like module
php	Standalone apps/ libraries	5.3.17	PHP v3.01	PHP server-side scripting language
php-cli	Standalone apps/ libraries	5.3.17	PHP v3.01	Command-line interface for PHP server-side scripting language
php-common	Standalone apps/ libraries	5.3.17	PHP v3.01	Common files for PHP server-side scripting language
php-ext	Standalone apps/ libraries	5.3.17	PHP v3.01	Shared PHP-Ext open source widget library for PHP 4 and PHP 5 server-side scripting language
popt	OSS Shared library linkage	1.12	MIT	A C library for parsing command line parameters
portmap	Standalone apps/ libraries	4	BSD	A program which manages remote procedure call (RPC) connections
procps	Standalone apps/ libraries	3.2.8	GPLv2	System and process monitoring utilities
psmisc	Standalone apps/ libraries	22.2	BSD	Utilities for managing processes on your system

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
pymongo	OSS libraries in interpreted scripts	2.1.1	MIT	Python driver for MongoDB
python	Standalone apps/ libraries	2.4.3	PSF	An interpreted, interactive, object-oriented programming language
python-bloom	OSS libraries in interpreted scripts	0.1.12	BSD-like	Python implementation of bloom filter
python-bson	OSS libraries in interpreted scripts	2.1.1	MIT	Python bson library
python-dpkt	OSS libraries in interpreted scripts	1.7	BSD-3	Simple packet creation/ parsing library
python-elementtree	OSS libraries in interpreted scripts	1.2.6	PSF	Fast XML parser and writer
python-hashlib	OSS libraries in interpreted scripts	20081119	Python 2.5	Secure hash and message digest algorithm library
python-imaging	OSS libraries in interpreted scripts	1.1.5	Distributable	Python's own image processing library
python-magic	OSS libraries in interpreted scripts	5.04	BSD	Python bindings for the LibMagic Perl interface
python-sqlite	Shared library linkage	1.1.7	Public Domain	Python bindings for SQLite
python-urlgrabber	OSS libraries in interpreted scripts	3.1.0	LGPLv2.1	A high-level cross-protocol URL-grabber
qemu-kvm	Standalone apps/ libraries	0.15.1	GPLv2	Supports virtualization when executing under the Kernel-based Virtual Machine (KVM) module
rcs	Standalone apps/ libraries	5.7	GPLv2	Revision control system (RCS) file version management tools
readline	OSS Shared library linkage	5.1	GPLv2	A library for editing typed command lines

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
redhat-logos		4.9.8		Red Hat-related icons and pictures
reportlab	OSS libraries in interpreted scripts	2.2	BSD	Python PDF generation library
rootfiles	Standalone apps/ libraries	8.1	Distributable	The basic required files for the root user's directory
rpm	Standalone apps/ libraries	4.4.2	GPLv2	The Route Processing Module (RPM) package management system
rpm-libs	Standalone apps/ libraries	4.4.2	GPLv2	Libraries for manipulating Route Processing Module (RPM) packages
rpm-python	OSS libraries in interpreted scripts	4.4.2	GPLv2	Python bindings for apps which will manipulate Route Processing Module (RPM) packages
scrub	Standalone apps/ libraries	2.1	GPLv2	Disk scrubbing program
sed	Standalone apps/ libraries	4.1.5	GPLv2	A GNU stream text editor
setup		2.5.58	Public Domain	A set of system configuration and setup files
shadow-utils	Standalone apps/ libraries	4.0.17	BSD	Utilities for managing accounts and shadow password files
snappy	Shared library linkage	1.0.1	Apache 2.0	High-speed compression and decompression library
sqlite	Shared library linkage	3.6.12	Public Domain	Library that implements an embeddable SQLite in-process database engine
sshpass	Standalone apps/ libraries	1.05	BSD	Non-interactive SSH password provider

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
sysfsutils	Standalone apps/ libraries	2.0.0	GPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
sysklogd	Standalone apps/ libraries	1.4.1	GPLv2	System logging and kernel message trapping daemons
tar	Standalone apps/ libraries	1.15.1	GPLv2	A GNU file archiving program
tcpdump	Standalone apps/ libraries	3.9.4	BSD	A network traffic monitoring tool
termcap	Configuration Files	5.5	Public Domain	The terminal feature database used by certain applications
tftp	Standalone apps/ libraries	0.48	BSD	The client for Trivial FTP (TFTP)
tor	Standalone apps/ libraries	0.2.3.25	BSD-3	Anonymizing overlay network for TCP (The Onion Router)
traceroute	Standalone apps/ libraries	2.0.1	GPLv2	Traces the route taken by packets over an IPv4/IPv6 network
tunctl	Standalone apps/ libraries	1.5	GPLv2	tunctl-1.5
tzdata	Configuration files	2011l	Public domain	Time-zone data
udev	Standalone apps/ libraries	127	GPLv2	Device manager for device nodes and user space events (improved functionality over `devfs`)
util-linux	Standalone apps/ libraries	2.13	GPLv2	A collection of basic system utilities
vim-minimal	Standalone apps/ libraries	7.0.109	Charityware	A minimal version of VIsual editor iMproved (VIM)

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
vixie-cron	Standalone apps/ libraries	4.1	ISC	The Vixie cron daemon for executing scheduled commands
wget	Standalone apps/ libraries	1.12	GPLv3	A utility for retrieving files using the HTTP or FTP protocols
xinetd	Standalone apps/ libraries	2.3.14	Distributable	A secure replacement for `inetd`
xz-libs	OSS Shared library linkage	4.999.9	LGPLv2	Libraries for decoding LZMA compression
zlib	Shared library linkage	1.2.3	BSD	The zlib compression and decompression library

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WildFire 6.1 OSS Listing

NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
LVM2	OSS Shared library linkage	2.02.95	LGPLv2.1	device-mapper
MAKEDEV	Standalone apps/ libraries	3.23	GPLv2	A program used for creating the device files in /dev
MySQL-client	Standalone apps/ libraries	5.5.28	GPLv2	MySQL - Client
MySQL-python	Standalone apps/ libraries	1.2.3	PSF	An interface to MySQL
MySQL-server	Standalone apps/ libraries	5.5.28	GPLv2	MySQL: a very fast and reliable SQL database server
MySQL-shared	Standalone apps/ libraries	5.5.28	GPLv2	MySQL - Shared libraries
SysVinit	Standalone apps/ libraries	2.86	GPLv2	Programs which control basic system processes
attr	Standalone apps/ libraries	2.4.32	GPLv2	Utilities for managing file system extended attributes
basesystem		8	Public Domain	The skeleton package which defines a simple Red Hat Linux system
bash	Standalone apps/ libraries	3.1	GPLv2	The GNU Bourne Again shell (bash) version 3.1
beecrypt	OSS Shared library linkage	4.1.2	LGPLv2.1	An open source cryptography library
bind-libs	OSS Shared library linkage	9.3.3	ISC	Libraries used by the BIND DNS packages
bind-utils	Standalone apps/ libraries	9.3.3	ISC	Utilities for querying DNS name servers

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
bonnie++	Standalone apps/ libraries	1.03d	GPLv2	A program for benchmarking hard drives and file systems
bridge-utils	Standalone apps/ libraries	1.5	GPLv2	Utilities for creating and managing bridge devices
bzip2	Standalone apps/ libraries	1.0.3	BSD	A file compression utility
bzip2-libs	OSS Shared library linkage	1.0.3	BSD	Libraries for applications using bzip2
chkconfig	Standalone apps/ libraries	1.3.30.1	GPLv2	A system tool for maintaining the /etc/rc*.d hierarchy
coreutils	Standalone apps/ libraries	5.97	GPLv2	The GNU core utilities: a set of tools commonly used in shell scripts
cpio	Standalone apps/ libraries	2.6	GPLv2	A GNU archiving program
cpp	Standalone apps/ libraries	4.1.1	GPLv2	The C Preprocessor
cracklib	OSS Shared library linkage	2.8.9	Artistic	A password-checking library
cracklib-dicts	Dictionaries used by cracklib	2.8.9	Artistic	The standard CrackLib password-checking dictionaries
crontabs	Root crontab files, used by system utilities	1.1	Public Domain	Root crontab files used to schedule the execution of programs
curl	Standalone apps/ libraries	7.20.1	MIT	Get and send files to a FTP, HTTP, TFTP, SSH or other servers
dhclient	Standalone apps/ libraries	3.0.5	Distributable	The ISC DHCP client for configuring network interfaces

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
diffutils	Standalone apps/ libraries	2.8.1	GPLv2	A GNU collection of diff utilities
e2fsprogs	Standalone apps/ libraries	1.39	GPLv2	Utilities for managing the second extended (ext2) file system
e2fsprogs-libs	OSS Shared library linkage	1.39	GPLv2	Ext2/3 file-system-specific static libraries and headers
e4fsprogs	Standalone apps/ libraries	1.41.12	GPLv2	Utilities for managing the fourth extended (ext4) file system
e4fsprogs-libs	OSS Shared library linkage	1.41.12	GPLv2	Ext4 file-system-specific static libraries and headers
elfutils-libelf	OSS Shared library linkage	0.128	GPLv2	Library to read and write ELF files
ethtool	Standalone apps/ libraries	5	GPLv2	Ethernet settings tool for PCI ethernet cards
expat	OSS Shared library linkage	1.95.8	BSD	A library for parsing XML
fastlz	Shared library linkage	0.1.0	FastLZ	A real-time compression library
file	Standalone apps/ libraries	5.04	Distributable	A utility for determining file types
file-libs	Standalone apps/ libraries	5.04	Distributable	Libraries for applications using the LibMagic Perl interface
filesystem	Standalone apps/ libraries	2.4.0	Distributable	The basic directory layout for a Linux system
findutils	Standalone apps/ libraries	4.2.27	GPLv2	The GNU versions of find utilities (find and xargs)
fipscheck	Standalone apps/ libraries	1.2.0	FreeBSD	A library for integrity verification of FIPS validated modules

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
fipscheck-lib	Standalone apps/ libraries	1.2.0	FreeBSD	Library files for fipscheck
gawk	Standalone apps/ libraries	3.1.5	GPLv2	The GNU version of the awk text processing utility
gdb	Standalone apps/ libraries	7.0.1	GPLv3+	A GNU source-level debugger for C, C++, Java and other languages
glib2	OSS Shared library linkage	2.12.3	LGPLv2	A library of useful utility functions
glibc	Shared library linkage	2.5	LGPLv2	The GNU libc libraries
glibc-common	Shared library linkage	2.5	LGPLv2	Common binaries and locale data for glibc
gmp	OSS Shared library linkage	4.3.1	LGPLv3	A GNU arbitrary precision library
gnupg	Standalone apps/ libraries	1.4.5	GPLv2	A GNU utility for secure communication and data storage
gperftools	OSS Shared library linkage	2	BSD	Performance Tools for C++
grep	Standalone apps/ libraries	2.5.1	GPLv2	The GNU versions of grep pattern matching utilities
grub	Standalone apps/ libraries	6.0.97	GPL	GRUB - the Grand Unified Boot Loader
gzip	Standalone apps/ libraries	1.3.5	GPLv2	The GNU data compression program
inetutils	Standalone apps/ libraries	1.5	GPLv3	Internet utilities
info	Standalone apps/ libraries	4.8	GPLv2	A stand-alone TTY-based reader for GNU Texinfo documentation

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
initscripts	Standalone apps/ libraries + startup and shutdown scripts	8.45.15	GPLv2	The inittab file and the /etc/ init.d scripts
ipmitool	Standalone apps/ libraries	1.8.11	BSD-like	Open source Intelligent Platform Management Interface (IPMI) utilities and scripts
iproute	Standalone apps/ libraries	2.6.18	GPLv2	Advanced IP routing and network device configuration tools
iptables	Standalone apps/ libraries	1.3.5	GPLv2	Tools for managing Linux kernel packet filtering capabilities
iptables-ipv6	Standalone apps/ libraries	1.3.5	GPLv2	IPv6 support for IP tables
iputils	Standalone apps/ libraries	20020927	GPLv2	Network monitoring tools including ping
irqbalance		1.13		IRQ balancing daemon
java-wf	Standalone apps/ libraries	1	Oracle Binary Co	Java JDK 7 installer and patch spec file
jdk-wf	Standalone apps/ libraries	7.0.25	Oracle Binary Co	Java JDK 7 installer for WildFire
krb5-libs	Shared library linkage	1.8.1	MIT	The shared libraries used by Kerberos 5
krb5-workstation	Standalone apps/ libraries	1.8.1	MIT	Kerberos 5 programs for use on workstations
less	Standalone apps/ libraries	394	GPLv2	A text file browser similar to more, but better
leveldb	Shared library linkage	1.15.0	BSD	LevelDB library
libaio	OSS Shared library linkage	0.3.107	LGPLv2	Linux-native asynchronous I/O access library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libattr	OSS Shared library linkage	2.4.32	LGPLv2.1	Dynamic library for extended attribute support.
libcurl4	Shared library linkage	7.20.1	MIT	The cURL library
libevent	OSS Shared library linkage	2.0.19	GPLv2	Abstract asynchronous event notification library
libgcc	Shared library linkage	4.1.1	LGPLv2	GCC version 4.1 shared support library
libgssapi	OSS Shared library linkage	0.1	BSD-like	Generic Security Services Application Programming Interface Library
libjpeg	OSS Shared library linkage	6b	IJG	A library for manipulating JPEG image format files
libmcrypt	OSS Shared library linkage	2.5.8	LGPLv2	Encryption algorithms library
libpcap	Shared library linkage	0.9.4	BSD	A system-independent interface for user-level packet capture
libpng	Shared library linkage	1.2.44	OSI Certified (Zlib)	A library of functions for manipulating PNG image format files
libstdc++	Shared library linkage	4.1.1	GPL	GNU Standard C++ Library
libsysfs	OSS Shared library linkage	2.0.0	LGPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
libtecla	Shared library linkage	1.6.1	MIT/X11	The Tecla command-line editing library
libtermcap	Configuration Files	2.0.8	Public Domain	A basic system library for accessing the termcap database
libunwind	OSS Shared library linkage	1.1	BSD	Unwind Library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libuser	OSS Shared library linkage	0.54.7	LGPLv2	A user and group account administration library
libvolume_id	OSS Shared library linkage	127	GPLv2	Dynamic libraries to get volume IDs
libxml2	Shared library linkage	2.6.30	MIT	Library providing XML and HTML support
libxml2-python	Standalone apps/ libraries	2.6.30	PSF	Python bindings for the libxml2 library
libxslt	Shared library linkage	1.1.22	MIT	Library providing the Gnome XSLT engine
Linux kernel	Operating System (OS) core	2.6.32	GPLv2.0	The core interface between the operating system and processes.
lockdev	Standalone apps/ libraries	1.0.1	LGPLv2.1	A library for locking devices
logrotate	Standalone apps/ libraries	3.7.4	GPLv2	Rotates, compresses, removes and mails system log files
m2crypto	Standalone apps/ libraries	0.16	BSD	Support for using OpenSSL in python scripts
mailx	Standalone apps/ libraries	8.1.1	BSD	The /bin/mail program for sending quick email messages
mdadm		2.6.9	GPL	Linux utility used to manage and monitor software RAID devices
mingetty	Standalone apps/ libraries	1.07	GPLv2	A compact getty program for virtual consoles only
mktemp	Standalone apps/ libraries	1.5	BSD	A small utility for safely making .TMP files
module-init-tools	Standalone apps/ libraries	3.3	GPLv2	Kernel module management utilities

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
multipath-tools	Standalone apps/ libraries	0.4.9	GPLv2	multipath-tools
nbd	Standalone apps/ libraries	2.9.0	GPLv2	nbd
ncurses	Shared library linkage	5.5	Distributable	A terminal handling library
net-snmp	Standalone apps/ libraries	5.4.4	BSD	Tools and servers for the SNMP protocol
net-tools	Standalone apps/ libraries	1.6	GPLv2	Basic networking tools
nfs-utils	Standalone apps/ libraries	1.0.9	GPLv2	Network File System (NFS) utilities and supporting clients and daemons for the kernel NFS server
nfs-utils-lib	OSS Shared library linkage	1.0.8	GPLv2	Network File System (NFS) Support Library
ntfs-3g_ntfsprogs	Standalone apps/ libraries	2012.1.15	GPLv2,LGPLv2	ntfs-3g
ntp	Standalone apps/ libraries	4.2.8	Distributable	The Network Time Protocol (NTP) daemon and utilities
ntpdate	Standalone apps/ libraries	4.2.8	Distributable	Utility to set the date and time via Network Time Protocol (NTP)
openldap	Shared library linkage	2.4.23	OpenLDAP	The configuration files, libraries, and documentation for OpenLDAP
openldap-clients	Standalone apps/ libraries	2.4.23	OpenLDAP	Client programs for OpenLDAP
openssh	Standalone apps/ libraries	5.2p1	BSD	An open source implementation of SSH protocol versions 1 and 2
openssh-clients	Standalone apps/ libraries	5.2p1	BSD	An open source SSH client application

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
openssh-server	Standalone apps/ libraries	5.2p1	BSD	An open source SSH server daemon
openssl	Shared library linkage	0.9.8p	OpenSSL	A general purpose cryptography library with TLS implementation
pam	Shared library linkage	1.0.2	BSD	A security tool which provides authentication for applications
pam_krb5	Standalone apps/ libraries	2.2.14	MIT	A pluggable authentication module (PAM) for Kerberos 5
pam_ldap	OSS Shared library linkage	1.8.4	LGPLv3	A pluggable authentication module (PAM) for use with LDAP servers
panos-release	Base Linux OS version info for our systems	2	GPLv2	PAN-OS Linux release file
passwd	Standalone apps/ libraries	0.73	GPLv2	The passwd utility for setting/changing passwords using PAM
pcre	Shared library linkage	6.6	BSD	Perl-compatible regular expression library
pexpect	OSS libraries in interpreted scripts	2.3	MIT	Pexpect is a Pure Python Expect-like module
php	Standalone apps/ libraries	5.3.17	PHP v3.01	PHP server-side scripting language
php-cli	Standalone apps/ libraries	5.3.17	PHP v3.01	Command-line interface for PHP server-side scripting language
php-common	Standalone apps/ libraries	5.3.17	PHP v3.01	Common files for PHP server-side scripting language
php-ext	Standalone apps/ libraries	5.3.17	PHP v3.01	Shared PHP-Ext open source widget library for

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
				PHP 4 and PHP 5 server-side scripting language
popt	OSS Shared library linkage	1.12	MIT	A C library for parsing command line parameters
portmap	Standalone apps/ libraries	4	BSD	A program which manages remote procedure call (RPC) connections
procps	Standalone apps/ libraries	3.2.7	GPLv2	System and process monitoring utilities
psmisc	Standalone apps/ libraries	22.2	BSD	Utilities for managing processes on your system
python	Standalone apps/ libraries	2.4.3	PSF	An interpreted, interactive, object-oriented programming language
python-bloom	OSS libraries in interpreted scripts	0.1.12	BSD-like	Python implementation of bloom filter
python-dpkt	OSS libraries in interpreted scripts	1.7	BSD-3	Simple packet creation/ parsing library
python-elementtree	OSS libraries in interpreted scripts	1.2.6	PSF	Fast XML parser and writer
python-hashlib	OSS libraries in interpreted scripts	20081119	Python 2.5	Secure hash and message digest algorithm library
python-imaging	OSS libraries in interpreted scripts	1.1.5	Distributable	Python's own image processing library
python-magic	OSS libraries in interpreted scripts	5.04	BSD	Python bindings for the LibMagic Perl interface
python-sqlite	Shared library linkage	1.1.7	Public Domain	Python bindings for SQLite
python-urlgrabber	OSS libraries in interpreted scripts	3.1.0	LGPLv2.1	A high-level cross-protocol URL-grabber
qemu-kvm	Standalone apps/ libraries	0.15.1	GPLv2	Supports virtualization when executing under the Kernel-

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
				based Virtual Machine (KVM) module
rcs	Standalone apps/ libraries	5.7	GPLv2	Revision control system (RCS) file version management tools
readline	OSS Shared library linkage	5.1	GPLv2	A library for editing typed command lines
redhat-logos		4.9.8		Red Hat-related icons and pictures
reportlab	OSS libraries in interpreted scripts	2.2	BSD	Python PDF generation library
rootfiles	Standalone apps/ libraries	8.1	Distributable	The basic required files for the root user's directory
rpm	Standalone apps/ libraries	4.4.2	GPLv2	The Route Processing Module (RPM) package management system
rpm-libs	Standalone apps/ libraries	4.4.2	GPLv2	Libraries for manipulating Route Processing Module (RPM) packages
rpm-python	OSS libraries in interpreted scripts	4.4.2	GPLv2	Python bindings for apps which will manipulate Route Processing Module (RPM) packages
scrub	Standalone apps/ libraries	2.1	GPLv2	Disk scrubbing program
sed	Standalone apps/ libraries	4.1.5	GPLv2	A GNU stream text editor
setup		2.5.58	Public Domain	A set of system configuration and setup files
shadow-utils	Standalone apps/ libraries	4.0.17	BSD	Utilities for managing accounts and shadow password files

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
snappy	Shared library linkage	1.0.1	Apache 2.0	High-speed compression and decompression library
sqlite	Shared library linkage	3.6.12	Public Domain	Library that implements an embeddable SQLite in-process database engine
sshpass	Standalone apps/ libraries	1.05	BSD	Non-interactive SSH password provider
sysfsutils	Standalone apps/ libraries	2.0.0	GPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
sysklogd	Standalone apps/ libraries	1.4.1	GPLv2	System logging and kernel message trapping daemons
tar	Standalone apps/ libraries	1.15.1	GPLv2	A GNU file archiving program
tcpdump	Standalone apps/ libraries	3.9.4	BSD	A network traffic monitoring tool
termcap	Configuration Files	5.5	Public Domain	The terminal feature database used by certain applications
tftp	Standalone apps/ libraries	0.48	BSD	The client for Trivial FTP (TFTP)
tor	Standalone apps/ libraries	0.2.3.25	BSD-3	Anonymizing overlay network for TCP (The Onion Router)
traceroute	Standalone apps/ libraries	2.0.1	GPLv2	Traces the route taken by packets over an IPv4/IPv6 network
tunctl	Standalone apps/ libraries	1.5	GPLv2	tunctl-1.5
tzdata	Configuration files	2011l	Public domain	Time-zone data

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
udev	Standalone apps/ libraries	127	GPLv2	Device manager for device nodes and user space events (improved functionality over `devfs`)
util-linux	Standalone apps/ libraries	2.13	GPLv2	A collection of basic system utilities
vim-minimal	Standalone apps/ libraries	7.0.109	Charityware	A minimal version of VIsual editor iMproved (VIM)
vixie-cron	Standalone apps/ libraries	4.1	ISC	The Vixie cron daemon for executing scheduled commands
wget	Standalone apps/ libraries	1.12	GPLv3	A utility for retrieving files using the HTTP or FTP protocols
xinetd	Standalone apps/ libraries	2.3.14	Distributable	A secure replacement for `inetd`
zlib	Shared library linkage	1.2.3	BSD	The zlib compression and decompression library

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WildFire 6.0 OSS Listing

NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
LVM2	OSS Shared library linkage	2.02.95	LGPLv2.1	device-mapper
MAKEDEV	Standalone apps/ libraries	3.23	GPLv2	A program used for creating the device files in /dev
MySQL-client	Standalone apps/ libraries	5.5.28	GPLv2	MySQL - Client
MySQL-python	Standalone apps/ libraries	1.2.3	PSF	An interface to MySQL
MySQL-server	Standalone apps/ libraries	5.5.28	GPLv2	MySQL: a very fast and reliable SQL database server
MySQL-shared	Standalone apps/ libraries	5.5.28	GPLv2	MySQL - Shared libraries
SysVinit	Standalone apps/ libraries	2.86	GPLv2	Programs which control basic system processes
attr	Standalone apps/ libraries	2.4.32	GPLv2	Utilities for managing file system extended attributes
basesystem		8	Public Domain	The skeleton package which defines a simple Red Hat Linux system
bash	Standalone apps/ libraries	3.1	GPLv2	The GNU Bourne Again shell (bash) version 3.1
beecrypt	OSS Shared library linkage	4.1.2	LGPLv2.1	An open source cryptography library
bind-libs	OSS Shared library linkage	9.3.3	ISC	Libraries used by the BIND DNS packages
bind-utils	Standalone apps/ libraries	9.3.3	ISC	Utilities for querying DNS name servers

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
bonnie++	Standalone apps/ libraries	1.03d	GPLv2	A program for benchmarking hard drives and file systems
bridge-utils	Standalone apps/ libraries	1.5	GPLv2	Utilities for creating and managing bridge devices
bzip2	Standalone apps/ libraries	1.0.3	BSD	A file compression utility
bzip2-libs	OSS Shared library linkage	1.0.3	BSD	Libraries for applications using bzip2
chkconfig	Standalone apps/ libraries	1.3.30.1	GPLv2	A system tool for maintaining the /etc/rc*.d hierarchy
coreutils	Standalone apps/ libraries	5.97	GPLv2	The GNU core utilities: a set of tools commonly used in shell scripts
cpio	Standalone apps/ libraries	2.6	GPLv2	A GNU archiving program
cpp	Standalone apps/ libraries	4.1.1	GPLv2	The C Preprocessor.
cracklib	OSS Shared library linkage	2.8.9	Artistic	A password-checking library
cracklib-dicts	Dictionaries used by cracklib	2.8.9	Artistic	The standard CrackLib password-checking dictionaries
crontabs	Root crontab files, used by system utilities	1.1	Public Domain	Root crontab files used to schedule the execution of programs
curl	Standalone apps/ libraries	7.20.1	MIT	Get and send files to a FTP, HTTP, TFTP, SSH or other servers
dhclient	Standalone apps/ libraries	3.0.5	Distributable	The ISC DHCP client for configuring network interfaces

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
diffutils	Standalone apps/ libraries	2.8.1	GPLv2	A GNU collection of diff utilities
e2fsprogs	Standalone apps/ libraries	1.39	GPLv2	Utilities for managing the second extended (ext2) file system
e2fsprogs-libs	OSS Shared library linkage	1.39	GPLv2	Ext2/3 file-system-specific static libraries and headers
e4fsprogs	Standalone apps/ libraries	1.41.12	GPLv2	Utilities for managing the fourth extended (ext4) file system
e4fsprogs-libs	OSS Shared library linkage	1.41.12	GPLv2	Ext4 file-system-specific static libraries and headers
elfutils-libelf	OSS Shared library linkage	0.128	GPLv2	Library to read and write ELF files
ethtool	Standalone apps/ libraries	5	GPLv2	Ethernet settings tool for PCI ethernet cards
expat	OSS Shared library linkage	1.95.8	BSD	A library for parsing XML
fastlz	Shared library linkage	0.1.0	FastLZ	A real-time compression library
file	Standalone apps/ libraries	5.04	Distributable	A utility for determining file types
file-libs	Standalone apps/ libraries	5.04	Distributable	Libraries for applications using the LibMagic Perl interface
filesystem	Standalone apps/ libraries	2.4.0	Distributable	The basic directory layout for a Linux system
findutils	Standalone apps/ libraries	4.2.27	GPLv2	The GNU versions of find utilities (find and xargs)
fipscheck	Standalone apps/ libraries	1.2.0	FreeBSD	A library for integrity verification of FIPS validated modules

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
fipscheck-lib	Standalone apps/ libraries	1.2.0	FreeBSD	Library files for fipscheck
gawk	Standalone apps/ libraries	3.1.5	GPLv2	The GNU version of the awk text processing utility
gdb	Standalone apps/ libraries	7.0.1	GPLv3+	A GNU source-level debugger for C, C++, Java and other languages
glib2	OSS Shared library linkage	2.12.3	LGPLv2	A library of useful utility functions
glibc	Shared library linkage	2.5	LGPLv2	The GNU libc libraries
glibc-common	Shared library linkage	2.5	LGPLv2	Common binaries and locale data for glibc
gmp	OSS Shared library linkage	4.3.1	LGPLv3	A GNU arbitrary precision library
gnupg	Standalone apps/ libraries	1.4.5	GPLv2	A GNU utility for secure communication and data storage
grep	Standalone apps/ libraries	2.5.1	GPLv2	The GNU versions of grep pattern matching utilities
grub	Standalone apps/ libraries	6.0.97	GPL	GRUB - the Grand Unified Boot Loader
gzip	Standalone apps/ libraries	1.3.5	GPLv2	The GNU data compression program
inetutils	Standalone apps/ libraries	1.5	GPLv3	Internet utilities
info	Standalone apps/ libraries	4.8	GPLv2	A stand-alone TTY-based reader for GNU Texinfo documentation
initscripts	Standalone apps/ libraries + startup and shutdown scripts	8.45.15	GPLv2	The inittab file and the /etc/ init.d scripts

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
ipmitool	Standalone apps/ libraries	1.8.11	BSD-like	Open source Intelligent Platform Management Interface (IPMI) utilities and scripts
iproute	Standalone apps/ libraries	2.6.18	GPLv2	Advanced IP routing and network device configuration tools
iptables	Standalone apps/ libraries	1.3.5	GPLv2	Tools for managing Linux kernel packet filtering capabilities
iptables-ipv6	Standalone apps/ libraries	1.3.5	GPLv2	IPv6 support for IP tables
iputils	Standalone apps/ libraries	20020927	GPLv2	Network monitoring tools including ping
irqbalance		1.13		IRQ balancing daemon
java-wf	Standalone apps/ libraries	1	Oracle Binary Co	Java JDK 7 installer and patch spec file
jdk-wf	Standalone apps/ libraries	7.0.25	Oracle Binary Co	Java JDK 7 installer for WildFire
krb5-libs	Shared library linkage	1.8.1	MIT	The shared libraries used by Kerberos 5.
krb5-workstation	Standalone apps/ libraries	1.8.1	MIT	Kerberos 5 programs for use on workstations
less	Standalone apps/ libraries	394	GPLv2	A text file browser similar to more, but better
leveldb	Shared library linkage	1.2	BSD	LevelDB library
libaio	OSS Shared library linkage	0.3.107	LGPLv2	Linux-native asynchronous I/O access library
libattr	OSS Shared library linkage	2.4.32	LGPLv2.1	Dynamic library for extended attribute support
libcurl4	Shared library linkage	7.20.1	MIT	The cURL library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libevent	OSS Shared library linkage	2.0.19	GPLv2	Abstract asynchronous event notification library
libgcc	Shared library linkage	4.1.1	LGPLv2	GCC version 4.1 shared support library
libgssapi	OSS Shared library linkage	0.1	BSD-like	Generic Security Services Application Programming Interface Library
libjpeg	OSS Shared library linkage	6b	IJG	A library for manipulating JPEG image format files
libmcrypt	OSS Shared library linkage	2.5.8	LGPLv2	Encryption algorithms library
libpcap	Shared library linkage	0.9.4	BSD	A system-independent interface for user-level packet capture
libpng	Shared library linkage	1.2.44	OSI Certified (Zlib)	A library of functions for manipulating PNG image format files
libstdc++	Shared library linkage	4.1.1	GPL	GNU Standard C++ Library
libsysfs	OSS Shared library linkage	2.0.0	LGPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
libtecla	Shared library linkage	1.6.1	MIT/X11	The Tecla command-line editing library
libtermcap	Configuration Files	2.0.8	Public Domain	A basic system library for accessing the termcap database
libunwind	OSS Shared library linkage	1.1	BSD	Unwind Library
libuser	OSS Shared library linkage	0.54.7	LGPLv2	A user and group account administration library
libvolume_id	OSS Shared library linkage	127	GPLv2	Dynamic libraries to get volume IDs

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libxml2	Shared library linkage	2.6.30	MIT	Library providing XML and HTML support
libxml2-python	Standalone apps/ libraries	2.6.30	PSF	Python bindings for the libxml2 library
libxslt	Shared library linkage	1.1.22	MIT	Library providing the Gnome XSLT engine
Linux kernel	Operating System (OS) core	2.6.32	GPLv2.0	The core interface between the operating system and processes.
lockdev	Standalone apps/ libraries	1.0.1	LGPLv2.1	A library for locking devices
logrotate	Standalone apps/ libraries	3.7.4	GPLv2	Rotates, compresses, removes and mails system log files
m2crypto	Standalone apps/ libraries	0.16	BSD	Support for using OpenSSL in python scripts
mailx	Standalone apps/ libraries	8.1.1	BSD	The /bin/mail program for sending quick email messages
mdadm		2.6.9	GPL	Linux utility used to manage and monitor software RAID devices
mingetty	Standalone apps/ libraries	1.07	GPLv2	A compact getty program for virtual consoles only.
mktemp	Standalone apps/ libraries	1.5	BSD	A small utility for safely making .TMP files
module-init-tools	Standalone apps/ libraries	3.3	GPLv2	Kernel module management utilities
multipath-tools	Standalone apps/ libraries	0.4.9	GPLv2	multipath-tools
nbd	Standalone apps/ libraries	2.9.0	GPLv2	nbd

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
ncurses	Shared library linkage	5.5	Distributable	A terminal handling library
net-snmp	Standalone apps/ libraries	5.4.4	BSD	Tools and servers for the SNMP protocol
net-tools	Standalone apps/ libraries	1.6	GPLv2	Basic networking tools
nfs-utils	Standalone apps/ libraries	1.0.9	GPLv2	Network File System (NFS) utilities and supporting clients and daemons for the kernel NFS server
nfs-utils-lib	OSS Shared library linkage	1.0.8	GPLv2	Network File System (NFS) Support Library
ntfs-3g_ntfsprogs	Standalone apps/ libraries	2012.1.15	GPLv2,LGPLv2	ntfs-3g
ntp	Standalone apps/ libraries	4.2.2p1	Distributable	Synchronizes system time using the Network Time Protocol (NTP)
openldap	Shared library linkage	2.4.23	OpenLDAP	The configuration files, libraries, and documentation for OpenLDAP
openldap-clients	Standalone apps/ libraries	2.4.23	OpenLDAP	Client programs for OpenLDAP
openssh	Standalone apps/ libraries	5.2p1	BSD	An open source implementation of SSH protocol versions 1 and 2
openssh-clients	Standalone apps/ libraries	5.2p1	BSD	An open source SSH client application
openssh-server	Standalone apps/ libraries	5.2p1	BSD	An open source SSH server daemon
openssl	Shared library linkage	0.9.8p	OpenSSL	A general purpose cryptography library with TLS implementation

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
pam	Shared library linkage	1.0.2	BSD	A security tool which provides authentication for applications
pam_krb5	Standalone apps/ libraries	2.2.14	MIT	A pluggable authentication module (PAM) for Kerberos 5
pam_ldap	OSS Shared library linkage	1.8.4	LGPLv3	A pluggable authentication module (PAM) for use with LDAP servers
panos-release	Base Linux OS version info for our systems	2	GPLv2	PAN-OS Linux release file
passwd	Standalone apps/ libraries	0.73	GPLv2	The passwd utility for setting/changing passwords using PAM
pcre	Shared library linkage	6.6	BSD	Perl-compatible regular expression library
pexpect	OSS libraries in interpreted scripts	2.3	MIT	Pexpect is a Pure Python Expect-like module
php	Standalone apps/ libraries	5.3.17	PHP v3.01	PHP server-side scripting language
php-cli	Standalone apps/ libraries	5.3.17	PHP v3.01	Command-line interface for PHP server-side scripting language
php-common	Standalone apps/ libraries	5.3.17	PHP v3.01	Common files for PHP server-side scripting language
php-ext	Standalone apps/ libraries	5.3.17	PHP v3.01	Shared PHP-Ext open source widget library for PHP 4 and PHP 5 server-side scripting language
popt	OSS Shared library linkage	1.12	MIT	A C library for parsing command line parameters

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
portmap	Standalone apps/ libraries	4	BSD	A program which manages remote procedure call (RPC) connections
procps	Standalone apps/ libraries	3.2.7	GPLv2	System and process monitoring utilities
psmisc	Standalone apps/ libraries	22.2	BSD	Utilities for managing processes on your system
python	Standalone apps/ libraries	2.4.3	PSF	An interpreted, interactive, object-oriented programming language
python-bloom	OSS libraries in interpreted scripts	0.1.12	BSD-like	Python implementation of bloom filter
python-dpkt	OSS libraries in interpreted scripts	1.7	BSD-3	Simple packet creation/ parsing library
python-elementtree	OSS libraries in interpreted scripts	1.2.6	PSF	Fast XML parser and writer
python-hashlib	OSS libraries in interpreted scripts	20081119	Python 2.5	Secure hash and message digest algorithm library
python-imaging	OSS libraries in interpreted scripts	1.1.5	Distributable	Python's own image processing library
python-magic	OSS libraries in interpreted scripts	5.04	BSD	Python bindings for the LibMagic Perl interface
python-sqlite	Shared library linkage	1.1.7	Public Domain	Python bindings for SQLite
python-urlgrabber	OSS libraries in interpreted scripts	3.1.0	LGPLv2.1	A high-level cross-protocol URL-grabber
qemu-kvm	Standalone apps/ libraries	0.15.1	GPLv2	Supports virtualization when executing under the Kernel-based Virtual Machine (KVM) module

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
rcs	Standalone apps/ libraries	5.7	GPLv2	Revision control system (RCS) file version management tools
readline	OSS Shared library linkage	5.1	GPLv2	A library for editing typed command lines
redhat-logos		4.9.8		Red Hat-related icons and pictures
reportlab	OSS libraries in interpreted scripts	2.2	BSD	Python PDF generation library
rootfiles	Standalone apps/ libraries	8.1	Distributable	The basic required files for the root user's directory
rpm	Standalone apps/ libraries	4.4.2	GPLv2	The Route Processing Module (RPM) package management system
rpm-libs	Standalone apps/ libraries	4.4.2	GPLv2	Libraries for manipulating Route Processing Module (RPM) packages
rpm-python	OSS libraries in interpreted scripts	4.4.2	GPLv2	Python bindings for apps which will manipulate Route Processing Module (RPM) packages
scrub	Standalone apps/ libraries	2.1	GPLv2	Disk scrubbing program
sed	Standalone apps/ libraries	4.1.5	GPLv2	A GNU stream text editor
setup		2.5.58	Public Domain	A set of system configuration and setup files
shadow-utils	Standalone apps/ libraries	4.0.17	BSD	Utilities for managing accounts and shadow password files
snappy	Shared library linkage	1.0.1	Apache 2.0	High-speed compression and decompression library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
sqlite	Shared library linkage	3.6.12	Public Domain	Library that implements an embeddable SQLite in-process database engine
sshpass	Standalone apps/ libraries	1.05	BSD	Non-interactive SSH password provider
sysfsutils	Standalone apps/ libraries	2.0.0	GPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
sysklogd	Standalone apps/ libraries	1.4.1	GPLv2	System logging and kernel message trapping daemons
tar	Standalone apps/ libraries	1.15.1	GPLv2	A GNU file archiving program
tcpdump	Standalone apps/ libraries	3.9.4	BSD	A network traffic monitoring tool
termcap	Configuration Files	5.5	Public Domain	The terminal feature database used by certain applications
tftp	Standalone apps/ libraries	0.48	BSD	The client for Trivial FTP (TFTP)
tor	Standalone apps/ libraries	0.2.3.25	BSD-3	Anonymizing overlay network for TCP (The Onion Router)
traceroute	Standalone apps/ libraries	2.0.1	GPLv2	Traces the route taken by packets over an IPv4/IPv6 network
tunctl	Standalone apps/ libraries	1.5	GPLv2	tunctl-1.5
tzdata	Configuration files	2011l	Public domain	Time-zone data
udev	Standalone apps/ libraries	127	GPLv2	Device manager for device nodes and user space events (improved functionality over `devfs`)

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
util-linux	Standalone apps/ libraries	2.13	GPLv2	A collection of basic system utilities
vim-minimal	Standalone apps/ libraries	7.0.109	Charityware	A minimal version of VIsual editor iMproved (VIM)
vixie-cron	Standalone apps/ libraries	4.1	ISC	The Vixie cron daemon for executing scheduled commands
wget	Standalone apps/ libraries	1.12	GPLv3	A utility for retrieving files using the HTTP or FTP protocols
xinetd	Standalone apps/ libraries	2.3.14	Distributable	A secure replacement for `inetd`
zlib	Shared library linkage	1.2.3	BSD	The zlib compression and decompression library

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Cortex XDR OSS Listings

The Open-Source Software (OSS) licensing for Cortex® XDR™ has moved to https://docs-cortex.paloaltonetworks.com/r/Cortex-XDR/Cortex-XDR-OSS-Listings. Please update your bookmark or create a new one with this new URL. If you were directed to this page from some other location, please reach out to the team who manages that content and request that they update their cross reference to the Cortex XDR OSS Listing. Thank you!

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GlobalProtect App OSS Listings

The following sections display Open-Source Software (OSS) licenses specific to each feature release of the GlobalProtect™ app. It is our goal to capture and provide here the version of each component used in the latest maintenance release for each feature release. We recommend that, if you haven't already, you upgrade to the latest recommended maintenance release of your current feature release to ensure that you have all available fixes, enhancements, and vulnerability updates for your products.

- GlobalProtect App 6.3 OSS Listing
- GlobalProtect App 6.2 OSS Listing
- GlobalProtect App 6.1 OSS Listing
- GlobalProtect App 6.0 OSS Listing
- GlobalProtect App 5.2 OSS Listing

GlobalProtect App 6.3 OSS Listing

The following are the open-source software (OSS) components and their associated licenses used in the Android, iOS, Linux, macOS, and Windows operating system deployments of the GlobalProtect™ app 6.3 software. The list provides the software component names along with their version, their OSS license type, and which operating systems use the component.

Our goal is to capture and provide here the version of each component used in the latest maintenance release. We recommend that, if you have not already, you upgrade to the latest recommended maintenance release of your current feature release to ensure that you have all available fixes, enhancements, and vulnerability updates for your devices.

NAME	VERSION	LICENSE TYPE	Where Used
OpenSSL	1.1.1g	Dual OpenSSL License AND SSLeay License	• Android • iOS • Linux • macOS • Windows
QT	Display Manager dependent	GPLv2	• Linux only

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GlobalProtect App 6.2 OSS Listing

The following are the open-source software (OSS) components and their associated licenses used in the Android, iOS, Linux, macOS, and Windows operating system deployments of the GlobalProtect™ app 6.2 software. The list provides the software component names along with their version, their OSS license type, and which operating systems use the component.

Our goal is to capture and provide here the version of each component used in the latest maintenance release. We recommend that, if you have not already, you upgrade to the latest recommended maintenance release of your current feature release to ensure that you have all available fixes, enhancements, and vulnerability updates for your devices.

NAME	VERSION	LICENSE TYPE	Where Used
OpenSSL	1.1.1g	Dual OpenSSL License AND SSLeay License	• Android • iOS • Linux • macOS • Windows
QT	Display Manager dependent	GPLv2	• Linux only

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GlobalProtect App 6.1 OSS Listing

The following are the open-source software (OSS) components and their associated licenses used in the Android, iOS, Linux, macOS, and Windows operating system deployments of the GlobalProtect™ app 6.1 software. The list provides the software component names along with their version, their OSS license type, and which operating systems use the component.

Our goal is to capture and provide here the version of each component used in the latest maintenance release. We recommend that, if you have not already, you upgrade to the latest recommended maintenance release of your current feature release to ensure that you have all available fixes, enhancements, and vulnerability updates for your devices.

NAME	VERSION	LICENSE TYPE	Where Used
OpenSSL	1.1.1g	Dual OpenSSL License AND SSLeay License	• Android • iOS • Linux • macOS • Windows
QT	5.12	GPLv2	• Linux only
SSZipAchieve	0.2.2	MIT	• iOS only and only in GlobalProtect app 6.1.4 and earlier versions

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GlobalProtect App 6.0 OSS Listing

The following are the open-source software (OSS) components and their associated licenses used in the Android, iOS, Linux, macOS, and Windows operating system deployments of the GlobalProtect™ app 6.0 software. The list provides the software component names along with their version, their OSS license type, and which operating systems use the component.

Our goal is to capture and provide here the version of each component used in the latest maintenance release. We recommend that, if you have not already, you upgrade to the latest recommended maintenance release of your current feature release to ensure that you have all available fixes, enhancements, and vulnerability updates for your devices.

NAME	VERSION	LICENSE TYPE	Where Used
OpenSSL	1.1.1g	Dual OpenSSL License AND SSLeay License	• Android • iOS • Linux • macOS • Windows
QT	5.12	GPLv2	• Linux only
SSZipAchieve	0.2.2	MIT	• iOS only and only in GlobalProtect app 6.0.10 and earlier versions

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GlobalProtect App 5.2 OSS Listing

The following are the open-source software (OSS) components and their associated licenses used in the Android, iOS, Linux, macOS, and Windows operating system deployments of the GlobalProtect™ app 5.2 software. The list provides the software component names along with their version, their OSS license type, and which operating systems use the component.

Our goal is to capture and provide here the version of each component used in the latest maintenance release. We recommend that, if you have not already, you upgrade to the latest recommended maintenance release of your current feature release to ensure that you have all available fixes, enhancements, and vulnerability updates for your devices.

NAME	VERSION	LICENSE TYPE	Where Used
OpenSSL	1.0.2q	Dual OpenSSL License AND SSLeay License	• Android • iOS • Linux • macOS • Windows
QT	5.12	GPLv2	• Linux only
SSZipArchive	0.2.2	MIT	• iOS only

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GlobalProtect Mobile Security Manager OSS Listings

The following sections display Open-Source Software (OSS) licenses specific to each feature release of the GlobalProtect™ Mobile Security Manager:

- GlobalProtect Mobile Security Manager 6.2 OSS Listing
- GlobalProtect Mobile Security Manager 6.1 OSS Listing
- GlobalProtect Mobile Security Manager 6.0 OSS Listing

GlobalProtect Mobile Security Manager 6.2 OSS Listing

NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
CFPropertyList	OSS Shared library linkage	2	MIT	PHP implementation of the Mac PList
MAKEDEV	Standalone apps/ libraries	3.23	GPLv2	A program used for creating the device files in /dev
RequireJS	OSS Shared library linkage	2.1.11	MIT	A JavaScript file and module loader
SysVinit	Standalone apps/ libraries	2.86	GPLv2	Programs which control basic system processes
aight	OSS Shared library linkage	1.2.1	MIT	A collection of tools for making reasonable JavaScript and CSS work in Internet Explorer 8 (IE8)
amplifyjs	OSS Shared library linkage	1.1.2	MIT	A set of components designed to solve common web application problems with a simplistic API
basesystem		8	Public Domain	The skeleton package which defines a simple Red Hat Linux system
bash	Standalone apps/ libraries	3.1	GPLv2	The GNU Bourne Again shell (bash) version 3.1
beecrypt	OSS Shared library linkage	4.1.2	LGPLv2.1	An open source cryptography library
bind-libs	OSS Shared library linkage	9.3.3	ISC	Libraries used by the BIND DNS packages
bind-utils	Standalone apps/ libraries	9.3.3	ISC	Utilities for querying DNS name servers
bonnie++	Standalone apps/ libraries	1.03d	GPLv2	A program for benchmarking hard drives and file systems

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
bootstrap	OSS Shared library linkage	3.1.1	MIT	Front-end framework for developing responsive, mobile-first projects
bootstrap-select	OSS Shared library linkage	1.5.4	MIT	A custom select for @twitter Bootstrap using button drop-down
bzip2	Standalone apps/ libraries	1.0.3	BSD	A file compression utility
bzip2-libs	OSS Shared library linkage	1.0.3	BSD	Libraries for applications using bzip2
chkconfig	Standalone apps/ libraries	1.3.30.1	GPLv2	A system tool for maintaining the /etc/rc*.d hierarchy
coreutils	Standalone apps/ libraries	5.97	GPLv2	The GNU core utilities: a set of tools commonly used in shell scripts
cpio	Standalone apps/ libraries	2.6	GPLv2	A GNU archiving program
cpp	Standalone apps/ libraries	4.1.1	GPLv2	The C Preprocessor
cracklib	OSS Shared library linkage	2.8.9	Artistic	A password-checking library
cracklib-dicts	Dictionaries used by cracklib	2.8.9	Artistic	The standard CrackLib password-checking dictionaries
crontabs	Root crontab files, used by system utilities	1.1	Public Domain	Root crontab files used to schedule the execution of programs
curl	Standalone apps/ libraries	7.20.1	MIT	Get and send files to a FTP, HTTP, TFTP, SSH or other servers

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
davisjs	OSS Shared library linkage	0.9.9	MIT	Small JavaScript library using HTML5 history.pushState
dhclient	Standalone apps/ libraries	3.0.5	Distributable	The ISC DHCP client for configuring network interfaces
diffutils	Standalone apps/ libraries	2.8.1	GPLv2	A GNU collection of diff utilities
e2fsprogs	Standalone apps/ libraries	1.39	GPLv2	Utilities for managing the second extended (ext2) file system
e2fsprogs-libs	OSS Shared library linkage	1.39	GPLv2	Ext2/3 file-system-specific static libraries and headers
e4fsprogs	Standalone apps/ libraries	1.41.12	GPLv2	Utilities for managing the fourth extended (ext4) file system
e4fsprogs-libs	OSS Shared library linkage	1.41.12	GPLv2	Ext4 file-system-specific static libraries and headers
elfutils-libelf	OSS Shared library linkage	0.128	GPLv2	Library to read and write ELF files
ethtool	Standalone apps/ libraries	5	GPLv2	Ethernet settings tool for PCI ethernet cards
eventlog	OSS Shared library linkage	0.2.12	BSD	event log library
expat	OSS Shared library linkage	1.95.8	BSD	A library for parsing XML
fastlz	Shared library linkage	0.1.0	FastLZ	A real-time compression library
file	Standalone apps/ libraries	5.04	Distributable	A utility for determining file types

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
file-libs	Standalone apps/ libraries	5.04	Distributable	Libraries for applications using the LibMagic Perl interface
filesystem	Standalone apps/ libraries	2.4.0	Distributable	The basic directory layout for a Linux system
findutils	Standalone apps/ libraries	4.2.27	GPLv2	The GNU versions of find utilities (find and xargs)
fipscheck	Standalone apps/ libraries	1.2.0	FreeBSD	A library for integrity verification of FIPS validated modules
fipscheck-lib	Standalone apps/ libraries	1.2.0	FreeBSD	Library files for fipscheck
gawk	Standalone apps/ libraries	3.1.5	GPLv2	The GNU version of the awk text processing utility
gdb	Standalone apps/ libraries	7.0.1	GPLv3+	A GNU source-level debugger for C, C++, Java and other languages
glib	OSS Shared library linkage	2.12.9	LGPLv2	glib library
glib2	OSS Shared library linkage	2.12.3	LGPLv2	A library of useful utility functions
glibc	Shared library linkage	2.5	LGPLv2	The GNU libc libraries
glibc-common	Shared library linkage	2.5	LGPLv2	Common binaries and locale data for glibc
gmp	OSS Shared library linkage	4.3.1	LGPLv3	A GNU arbitrary precision library
gnupg	Standalone apps/ libraries	1.4.5	GPLv2	A GNU utility for secure communication and data storage
gperftools	OSS Shared library linkage	2	BSD	Performance Tools for C++

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
grep	Standalone apps/ libraries	2.5.1	GPLv2	The GNU versions of grep pattern matching utilities
grub	Standalone apps/ libraries	6.0.97	GPL	GRUB - the Grand Unified Boot Loader
gzip	Standalone apps/ libraries	1.3.5	GPLv2	The GNU data compression program
inetutils	Standalone apps/ libraries	1.5	GPLv3	Internet utilities
info	Standalone apps/ libraries	4.8	GPLv2	A stand-alone TTY-based reader for GNU Texinfo documentation
initscripts	Standalone apps/ libraries + startup and shutdown scripts	8.45.15	GPLv2	The inittab file and the /etc/ init.d scripts
ipmitool	Standalone apps/ libraries	1.8.11	BSD-like	Open source Intelligent Platform Management Interface (IPMI) utilities and scripts
iproute	Standalone apps/ libraries	2.6.18	GPLv2	Advanced IP routing and network device configuration tools
iptables	Standalone apps/ libraries	1.3.5	GPLv2	Tools for managing Linux kernel packet filtering capabilities
iptables-ipv6	Standalone apps/ libraries	1.3.5	GPLv2	IPv6 support for IP tables
iputils	Standalone apps/ libraries	20020927	GPLv2	Network monitoring tools including ping
irqbalance		1.13		IRQ balancing daemon
jQuery	OSS Shared library linkage	2.1.0	MIT	A fast, small, and feature-rich JavaScript library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
knockout	OSS Shared library linkage	3.1.0	MIT	A JavaScript library for creating a responsive user interface
krb5-libs	Shared library linkage	1.8.1	MIT	The shared libraries used by Kerberos 5
krb5-workstation	Standalone apps/ libraries	1.8.1	MIT	Kerberos 5 programs for use on workstations
less	Standalone apps/ libraries	394	GPLv2	A text file browser similar to more, but better
leveldb	Shared library linkage	1.15.0	BSD	LevelDB library
libattr	OSS Shared library linkage	2.4.32	LGPLv2.1	Dynamic library for extended attribute support
libcurl4	Shared library linkage	7.20.1	MIT	The cURL library
libevent	OSS Shared library linkage	2.0.19	GPLv2	Abstract asynchronous event notification library
libgcc	Shared library linkage	4.1.1	LGPLv2	GCC version 4.1 shared support library
libgethostbyname	Shared library linkage	1	LGPLv2	Fixes glibc ghost bug
libgssapi	OSS Shared library linkage	0.1	BSD-like	Generic Security Services Application Programming Interface Library
libjpeg	OSS Shared library linkage	6b	IJG	A library for manipulating JPEG image format files
libmcrypt	OSS Shared library linkage	2.5.8	LGPLv2	Encryption algorithms library
libpcap	Shared library linkage	0.9.4	BSD	A system-independent interface for user-level packet capture
libpng	Shared library linkage	1.2.44	OSI Certified (Zlib)	A library of functions for manipulating PNG image format files

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libstdc++	Shared library linkage	4.1.1	GPL	GNU Standard C++ Library
libsysfs	OSS Shared library linkage	2.0.0	LGPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
libtecla	Shared library linkage	1.6.1	MIT/X11	The Tecla command-line editing library
libtermcap	Configuration Files	2.0.8	Public Domain	A basic system library for accessing the termcap database
libunwind	OSS Shared library linkage	1.1	BSD	Unwind Library
libuser	OSS Shared library linkage	0.54.7	LGPLv2	A user and group account administration library
libvolume_id	OSS Shared library linkage	127	GPLv2	Dynamic libraries to get volume IDs
libxml2	Shared library linkage	2.6.30	MIT	Library providing XML and HTML support
libxml2-python	Standalone apps/ libraries	2.6.30	PSF	Python bindings for the libxml2 library
libxslt	Shared library linkage	1.1.22	MIT	Library providing the Gnome XSLT engine
lockdev	Standalone apps/ libraries	1.0.1	LGPLv2.1	A library for locking devices
logrotate	Standalone apps/ libraries	3.7.4	GPLv2	Rotates, compresses, removes and mails system log files
m2crypto	Standalone apps/ libraries	0.16	BSD	Support for using OpenSSL in python scripts
mailx	Standalone apps/ libraries	8.1.1	BSD	The /bin/mail program for sending quick email messages

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
mdadm		2.6.9	GPL	Linux utility used to manage and monitor software RAID devices
mingetty	Standalone apps/ libraries	1.07	GPLv2	A compact getty program for virtual consoles only
mktemp	Standalone apps/ libraries	1.5	BSD	A small utility for safely making .TMP files
module-init-tools	Standalone apps/ libraries	3.3	GPLv2	Kernel module management utilities
momentjs	OSS Shared library linkage	2.5.1	MIT	A JavaScript date library for parsing, validating, manipulating, and formatting dates
mongo-php-driver	Standalone apps/ libraries	1.2.12	PHP v3.01	Provides access to MongoDB for PHP server-side scripting language
mongodb	Standalone apps/ libraries	2.4.3	AGPL 3.0	MongoDB client shell and tools
ncurses	Shared library linkage	5.5	Distributable	A terminal handling library
net-snmp	Standalone apps/ libraries	5.4.4	BSD	Tools and servers for the SNMP protocol
net-tools	Standalone apps/ libraries	1.6	GPLv2	Basic networking tools
nfs-utils	Standalone apps/ libraries	1.0.9	GPLv2	Network File System (NFS) utilities and supporting clients and daemons for the kernel NFS server
nfs-utils-lib	OSS Shared library linkage	1.0.8	GPLv2	Network File System (NFS) Support Library
ntp	Standalone apps/ libraries	4.2.6p5	Distributable	The Network Time Protocol (NTP) daemon and utilities

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
ntpdate	Standalone apps/ libraries	4.2.6p5	Distributable	Utility to set the date and time via Network Time Protocol (NTP)
openldap	Shared library linkage	2.4.23	OpenLDAP	The configuration files, libraries, and documentation for OpenLDAP
openldap-clients	Standalone apps/ libraries	2.4.23	OpenLDAP	Client programs for OpenLDAP
openssh	Standalone apps/ libraries	5.2p1	BSD	An open source implementation of SSH protocol versions 1 and 2
openssh-clients	Standalone apps/ libraries	5.2p1	BSD	An open source SSH client application
openssh-server	Standalone apps/ libraries	5.2p1	BSD	An open source SSH server daemon
openssl	Shared library linkage	0.9.8p	OpenSSL	A general purpose cryptography library with TLS implementation
pam	Shared library linkage	1.0.2	BSD	A security tool which provides authentication for applications
pam_krb5	Standalone apps/ libraries	2.2.14	MIT	A pluggable authentication module (PAM) for Kerberos 5
pam_ldap	OSS Shared library linkage	1.8.4	LGPLv3	A pluggable authentication module (PAM) for use with LDAP servers
panos-release	Base Linux OS version info for our systems	2	GPLv2	PAN-OS® Linux release file
passwd	Standalone apps/ libraries	0.73	GPLv2	The passwd utility for setting/changing passwords using PAM

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
pcre	Shared library linkage	6.6	BSD	Perl-compatible regular expression library
pexpect	OSS libraries in interpreted scripts	2.3	MIT	Pexpect is a Pure Python Expect-like module
php	Standalone apps/ libraries	5.3.17	PHP v3.01	PHP server-side scripting language
php-cli	Standalone apps/ libraries	5.3.17	PHP v3.01	Command-line interface for PHP server-side scripting language
php-ext	Standalone apps/ libraries	5.3.17	PHP v3.01	Shared PHP-Ext open source widget library for PHP 4 and PHP 5 server-side scripting language
popt	OSS Shared library linkage	1.12	MIT	A C library for parsing command line parameters
portmap	Standalone apps/ libraries	4	BSD	A program which manages remote procedure call (RPC) connections
procps	Standalone apps/ libraries	3.2.7	GPLv2	System and process monitoring utilities
psmisc	Standalone apps/ libraries	22.2	BSD	Utilities for managing processes on your system
python	Standalone apps/ libraries	2.4.3	PSF	An interpreted, interactive, object-oriented programming language
python-bloom	OSS libraries in interpreted scripts	0.1.12	BSD-like	Python implementation of bloom filter
python-elementtree	OSS libraries in interpreted scripts	1.2.6	PSF	Fast XML parser and writer
python-imaging	OSS libraries in interpreted scripts	1.1.5	Distributable	Python's own image processing library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
python-sqlite	Shared library linkage	1.1.7	Public Domain	Python bindings for SQLite
python-urlgrabber	OSS libraries in interpreted scripts	3.1.0	LGPLv2.1	A high-level cross-protocol URL-grabber
rcs	Standalone apps/ libraries	5.7	GPLv2	Revision control system (RCS) file version management tools
readline	OSS Shared library linkage	5.1	GPLv2	A library for editing typed command lines
redhat-logos		4.9.8		Red Hat-related icons and pictures
reportlab	OSS libraries in interpreted scripts	2.2	BSD	Python PDF generation library
rootfiles	Standalone apps/ libraries	8.1	Distributable	The basic required files for the root user's directory
rpm	Standalone apps/ libraries	4.4.2	GPLv2	The Route Processing Module (RPM) package management system
rpm-libs	Standalone apps/ libraries	4.4.2	GPLv2	Libraries for manipulating Route Processing Module (RPM) packages
rpm-python	OSS libraries in interpreted scripts	4.4.2	GPLv2	Python bindings for apps which will manipulate Route Processing Module (RPM) packages
scrub	Standalone apps/ libraries	2.1	GPLv2	Disk scrubbing program
sed	Standalone apps/ libraries	4.1.5	GPLv2	A GNU stream text editor
setup		2.5.58	Public Domain	A set of system configuration and setup files

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
shadow-utils	Standalone apps/ libraries	4.0.17	BSD	Utilities for managing accounts and shadow password files
snappy	Shared library linkage	1.0.1	Apache 2.0	High-speed compression and decompression library
sqlite	Shared library linkage	3.6.12	Public Domain	Library that implements an embeddable SQLite in-process database engine
sshpass	Standalone apps/ libraries	1.05	BSD	Non-interactive SSH password provider
sysfsutils	Standalone apps/ libraries	2.0.0	GPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
sysklogd	Standalone apps/ libraries	1.4.1	GPLv2	System logging and kernel message trapping daemons
syslog-ng	Standalone apps/ libraries	3.2.5	GPLv2 LGPLv2	Syslog replacement daemon
tar	Standalone apps/ libraries	1.15.1	GPLv2	A GNU file archiving program
tcpdump	Standalone apps/ libraries	3.9.4	BSD	A network traffic monitoring tool
termcap	Configuration Files	5.5	Public Domain	The terminal feature database used by certain applications
tftp	Standalone apps/ libraries	0.48	BSD	The client for Trivial FTP (TFTP)
traceroute	Standalone apps/ libraries	2.0.1	GPLv2	Traces the route taken by packets over an IPv4/IPv6 network
tzdata	Configuration files	2011l	Public domain	Time-zone data

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
udev	Standalone apps/ libraries	127	GPLv2	Device manager for device nodes and user space events (improved functionality over `devfs`)
underscore	OSS Shared library linkage	1.6.0	MIT	A JavaScript library that provides a many useful functional helpers
unzip	Standalone apps/ libraries	6	BSD-like	A utility for unpacking zip files
util-linux	Standalone apps/ libraries	2.13	GPLv2	A collection of basic system utilities
vim-minimal	Standalone apps/ libraries	7.0.109	Charityware	A minimal version of VIsual editor iMproved (VIM)
vixie-cron	Standalone apps/ libraries	4.1	ISC	The Vixie cron daemon for executing scheduled commands
wget	Standalone apps/ libraries	1.12	GPLv3	A utility for retrieving files using the HTTP or FTP protocols
xinetd	Standalone apps/ libraries	2.3.14	Distributable	A secure replacement for `inetd`
zip	Standalone apps/ libraries	3	BSD-like	A file compression and packaging utility compatible with PKZIP
zlib	Shared library linkage	1.2.3	BSD	The zlib compression and decompression library

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GlobalProtect Mobile Security Manager 6.1 OSS Listing

NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
MAKEDEV	Standalone apps/ libraries	3.23	GPLv2	A program used for creating the device files in /dev
SysVinit	Standalone apps/ libraries	2.86	GPLv2	Programs which control basic system processes
basesystem		8	Public Domain	The skeleton package which defines a simple Red Hat Linux system
bash	Standalone apps/ libraries	3.1	GPLv2	The GNU Bourne Again shell (bash) version 3.1
beecrypt	OSS Shared library linkage	4.1.2	LGPLv2.1	An open source cryptography library
bind-libs	OSS Shared library linkage	9.3.3	ISC	Libraries used by the BIND DNS packages
bind-utils	Standalone apps/ libraries	9.3.3	ISC	Utilities for querying DNS name servers
bonnie++	Standalone apps/ libraries	1.03d	GPLv2	A program for benchmarking hard drives and file systems
bzip2	Standalone apps/ libraries	1.0.3	BSD	A file compression utility
bzip2-libs	OSS Shared library linkage	1.0.3	BSD	Libraries for applications using bzip2
chkconfig	Standalone apps/ libraries	1.3.30.1	GPLv2	A system tool for maintaining the /etc/rc*.d hierarchy
coreutils	Standalone apps/ libraries	5.97	GPLv2	The GNU core utilities: a set of tools commonly used in shell scripts
cpio	Standalone apps/ libraries	2.6	GPLv2	A GNU archiving program

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
cpp	Standalone apps/ libraries	4.1.1	GPLv2	The C Preprocessor
cracklib	OSS Shared library linkage	2.8.9	Artistic	A password-checking library
cracklib-dicts	Dictionaries used by cracklib	2.8.9	Artistic	The standard CrackLib password-checking dictionaries
crontabs	Root crontab files, used by system utilities	1.1	Public Domain	Root crontab files used to schedule the execution of programs
curl	Standalone apps/ libraries	7.20.1	MIT	Get and send files to a FTP, HTTP, TFTP, SSH or other servers
dhclient	Standalone apps/ libraries	3.0.5	Distributable	The ISC DHCP client for configuring network interfaces
diffutils	Standalone apps/ libraries	2.8.1	GPLv2	A GNU collection of diff utilities
e2fsprogs	Standalone apps/ libraries	1.39	GPLv2	Utilities for managing the second extended (ext2) file system
e2fsprogs-libs	OSS Shared library linkage	1.39	GPLv2	Ext2/3 file-system-specific static libraries and headers
e4fsprogs	Standalone apps/ libraries	1.41.12	GPLv2	Utilities for managing the fourth extended (ext4) file system
e4fsprogs-libs	OSS Shared library linkage	1.41.12	GPLv2	Ext4 file-system-specific static libraries and headers
elfutils-libelf	OSS Shared library linkage	0.128	GPLv2	Library to read and write ELF files
ethtool	Standalone apps/ libraries	5	GPLv2	Ethernet settings tool for PCI ethernet cards

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
eventlog	OSS Shared library linkage	0.2.12	BSD	event log library
expat	OSS Shared library linkage	1.95.8	BSD	A library for parsing XML
fastlz	Shared library linkage	0.1.0	FastLZ	A real-time compression library
file	Standalone apps/ libraries	5.04	Distributable	A utility for determining file types
file-libs	Standalone apps/ libraries	5.04	Distributable	Libraries for applications using the LibMagic Perl interface
filesystem	Standalone apps/ libraries	2.4.0	Distributable	The basic directory layout for a Linux system
findutils	Standalone apps/ libraries	4.2.27	GPLv2	The GNU versions of find utilities (find and xargs)
fipscheck	Standalone apps/ libraries	1.2.0	FreeBSD	A library for integrity verification of FIPS validated modules
fipscheck-lib	Standalone apps/ libraries	1.2.0	FreeBSD	Library files for fipscheck
gawk	Standalone apps/ libraries	3.1.5	GPLv2	The GNU version of the awk text processing utility
gdb	Standalone apps/ libraries	7.0.1	GPLv3+	A GNU source-level debugger for C, C++, Java and other languages
glib	OSS Shared library linkage	2.12.9	LGPLv2	glib library
glib2	OSS Shared library linkage	2.12.3	LGPLv2	A library of useful utility functions
glibc	Shared library linkage	2.5	LGPLv2	The GNU libc libraries

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
glibc-common	Shared library linkage	2.5	LGPLv2	Common binaries and locale data for glibc
gmp	OSS Shared library linkage	4.3.1	LGPLv3	A GNU arbitrary precision library
gnupg	Standalone apps/ libraries	1.4.5	GPLv2	A GNU utility for secure communication and data storage
gperftools	OSS Shared library linkage	2	BSD	Performance Tools for C++
grep	Standalone apps/ libraries	2.5.1	GPLv2	The GNU versions of grep pattern matching utilities
grub	Standalone apps/ libraries	6.0.97	GPL	GRUB - the Grand Unified Boot Loader
gzip	Standalone apps/ libraries	1.3.5	GPLv2	The GNU data compression program
inetutils	Standalone apps/ libraries	1.5	GPLv3	Internet utilities
info	Standalone apps/ libraries	4.8	GPLv2	A stand-alone TTY-based reader for GNU Texinfo documentation
initscripts	Standalone apps/ libraries + startup and shutdown scripts	8.45.15	GPLv2	The inittab file and the /etc/ init.d scripts
ipmitool	Standalone apps/ libraries	1.8.11	BSD-like	Open source Intelligent Platform Management Interface (IPMI) utilities and scripts
iproute	Standalone apps/ libraries	2.6.18	GPLv2	Advanced IP routing and network device configuration tools
iptables	Standalone apps/ libraries	1.3.5	GPLv2	Tools for managing Linux kernel packet filtering capabilities

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
iptables-ipv6	Standalone apps/ libraries	1.3.5	GPLv2	IPv6 support for IP tables
iputils	Standalone apps/ libraries	20020927	GPLv2	Network monitoring tools including ping
irqbalance		1.13		IRQ balancing daemon
krb5-libs	Shared library linkage	1.8.1	MIT	The shared libraries used by Kerberos 5
krb5-workstation	Standalone apps/ libraries	1.8.1	MIT	Kerberos 5 programs for use on workstations
less	Standalone apps/ libraries	394	GPLv2	A text file browser similar to more, but better
leveldb	Shared library linkage	1.15.0	BSD	LevelDB library
libattr	OSS Shared library linkage	2.4.32	LGPLv2.1	Dynamic library for extended attribute support
libcurl4	Shared library linkage	7.20.1	MIT	The cURL library
libevent	OSS Shared library linkage	2.0.19	GPLv2	Abstract asynchronous event notification library
libgcc	Shared library linkage	4.1.1	LGPLv2	GCC version 4.1 shared support library
libgssapi	OSS Shared library linkage	0.1	BSD-like	Generic Security Services Application Programming Interface Library
libjpeg	OSS Shared library linkage	6b	IJG	A library for manipulating JPEG image format files
libmcrypt	OSS Shared library linkage	2.5.8	LGPLv2	Encryption algorithms library
libpcap	Shared library linkage	0.9.4	BSD	A system-independent interface for user-level packet capture

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libpng	Shared library linkage	1.2.44	OSI Certified (Zlib)	A library of functions for manipulating PNG image format files
libstdc++	Shared library linkage	4.1.1	GPL	GNU Standard C++ Library
libsysfs	OSS Shared library linkage	2.0.0	LGPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
libtecla	Shared library linkage	1.6.1	MIT/X11	The Tecla command-line editing library
libtermcap	Configuration Files	2.0.8	Public Domain	A basic system library for accessing the termcap database
libunwind	OSS Shared library linkage	1.1	BSD	Unwind Library
libuser	OSS Shared library linkage	0.54.7	LGPLv2	A user and group account administration library
libvolume_id	OSS Shared library linkage	127	GPLv2	Dynamic libraries to get volume IDs
libxml2	Shared library linkage	2.6.30	MIT	Library providing XML and HTML support
libxml2-python	Standalone apps/ libraries	2.6.30	PSF	Python bindings for the libxml2 library
libxslt	Shared library linkage	1.1.22	MIT	Library providing the Gnome XSLT engine
lockdev	Standalone apps/ libraries	1.0.1	LGPLv2.1	A library for locking devices
logrotate	Standalone apps/ libraries	3.7.4	GPLv2	Rotates, compresses, removes and mails system log files
m2crypto	Standalone apps/ libraries	0.16	BSD	Support for using OpenSSL in python scripts

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
mailx	Standalone apps/ libraries	8.1.1	BSD	The /bin/mail program for sending quick email messages
mdadm		2.6.9	GPL	Linux utility used to manage and monitor software RAID devices
mingetty	Standalone apps/ libraries	1.07	GPLv2	A compact getty program for virtual consoles only
mktemp	Standalone apps/ libraries	1.5	BSD	A small utility for safely making .TMP files
module-init-tools	Standalone apps/ libraries	3.3	GPLv2	Kernel module management utilities
mongo-php-driver	Standalone apps/ libraries	1.2.12	PHP v3.01	Provides access to MongoDB for PHP server-side scripting language
mongodb	Standalone apps/ libraries	2.4.3	AGPL 3.0	MongoDB client shell and tools
ncurses	Shared library linkage	5.5	Distributable	A terminal handling library
net-snmp	Standalone apps/ libraries	5.4.4	BSD	Tools and servers for the SNMP protocol
net-tools	Standalone apps/ libraries	1.6	GPLv2	Basic networking tools
nfs-utils	Standalone apps/ libraries	1.0.9	GPLv2	Network File System (NFS) utilities and supporting clients and daemons for the kernel NFS server
nfs-utils-lib	OSS Shared library linkage	1.0.8	GPLv2	Network File System (NFS) Support Library
ntp	Standalone apps/ libraries	4.2.6p5	Distributable	The Network Time Protocol (NTP) daemon and utilities

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
ntpdate	Standalone apps/ libraries	4.2.6p5	Distributable	Utility to set the date and time via Network Time Protocol (NTP)
openldap	Shared library linkage	2.4.23	OpenLDAP	The configuration files, libraries, and documentation for OpenLDAP
openldap-clients	Standalone apps/ libraries	2.4.23	OpenLDAP	Client programs for OpenLDAP
openssh	Standalone apps/ libraries	5.2p1	BSD	An open source implementation of SSH protocol versions 1 and 2
openssh-clients	Standalone apps/ libraries	5.2p1	BSD	An open source SSH client application
openssh-server	Standalone apps/ libraries	5.2p1	BSD	An open source SSH server daemon
openssl	Shared library linkage	0.9.8p	OpenSSL	A general purpose cryptography library with TLS implementation
pam	Shared library linkage	1.0.2	BSD	A security tool which provides authentication for applications
pam_krb5	Standalone apps/ libraries	2.2.14	MIT	A pluggable authentication module (PAM) for Kerberos 5
pam_ldap	OSS Shared library linkage	1.8.4	LGPLv3	A pluggable authentication module (PAM) for use with LDAP servers
panos-release	Base Linux OS version info for our systems	2	GPLv2	PAN-OS Linux release file
passwd	Standalone apps/ libraries	0.73	GPLv2	The passwd utility for setting/changing passwords using PAM

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
pcre	Shared library linkage	6.6	BSD	Perl-compatible regular expression library
pexpect	OSS libraries in interpreted scripts	2.3	MIT	Pexpect is a Pure Python Expect-like module
php	Standalone apps/ libraries	5.3.17	PHP v3.01	PHP server-side scripting language
php-cli	Standalone apps/ libraries	5.3.17	PHP v3.01	Command-line interface for PHP server-side scripting language
php-ext	Standalone apps/ libraries	5.3.17	PHP v3.01	Shared PHP-Ext open source widget library for PHP 4 and PHP 5 server-side scripting language
popt	OSS Shared library linkage	1.12	MIT	A C library for parsing command line parameters
portmap	Standalone apps/ libraries	4	BSD	A program which manages remote procedure call (RPC) connections
procps	Standalone apps/ libraries	3.2.7	GPLv2	System and process monitoring utilities
psmisc	Standalone apps/ libraries	22.2	BSD	Utilities for managing processes on your system
python	Standalone apps/ libraries	2.4.3	PSF	An interpreted, interactive, object-oriented programming language
python-bloom	OSS libraries in interpreted scripts	0.1.12	BSD-like	Python implementation of bloom filter
python-elementtree	OSS libraries in interpreted scripts	1.2.6	PSF	Fast XML parser and writer
python-imaging	OSS libraries in interpreted scripts	1.1.5	Distributable	Python's own image processing library

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
python-sqlite	Shared library linkage	1.1.7	Public Domain	Python bindings for SQLite
python-urlgrabber	OSS libraries in interpreted scripts	3.1.0	LGPLv2.1	A high-level cross-protocol URL-grabber
rcs	Standalone apps/ libraries	5.7	GPLv2	Revision control system (RCS) file version management tools
readline	OSS Shared library linkage	5.1	GPLv2	A library for editing typed command lines
redhat-logos		4.9.8		Red Hat-related icons and pictures
reportlab	OSS libraries in interpreted scripts	2.2	BSD	Python PDF generation library
rootfiles	Standalone apps/ libraries	8.1	Distributable	The basic required files for the root user's directory
rpm	Standalone apps/ libraries	4.4.2	GPLv2	The Route Processing Module (RPM) package management system
rpm-libs	Standalone apps/ libraries	4.4.2	GPLv2	Libraries for manipulating Route Processing Module (RPM) packages
rpm-python	OSS libraries in interpreted scripts	4.4.2	GPLv2	Python bindings for apps which will manipulate Route Processing Module (RPM) packages
scrub	Standalone apps/ libraries	2.1	GPLv2	Disk scrubbing program
sed	Standalone apps/ libraries	4.1.5	GPLv2	A GNU stream text editor
setup		2.5.58	Public Domain	A set of system configuration and setup files

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
shadow-utils	Standalone apps/ libraries	4.0.17	BSD	Utilities for managing accounts and shadow password files
snappy	Shared library linkage	1.0.1	Apache 2.0	High-speed compression and decompression library
sqlite	Shared library linkage	3.6.12	Public Domain	Library that implements an embeddable SQLite in-process database engine
sshpass	Standalone apps/ libraries	1.05	BSD	Non-interactive SSH password provider
sysfsutils	Standalone apps/ libraries	2.0.0	GPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
sysklogd	Standalone apps/ libraries	1.4.1	GPLv2	System logging and kernel message trapping daemons
syslog-ng	Standalone apps/ libraries	3.2.5	GPLv2 LGPLv2	Syslog replacement daemon
tar	Standalone apps/ libraries	1.15.1	GPLv2	A GNU file archiving program
tcpdump	Standalone apps/ libraries	3.9.4	BSD	A network traffic monitoring tool
termcap	Configuration Files	5.5	Public Domain	The terminal feature database used by certain applications
tftp	Standalone apps/ libraries	0.48	BSD	The client for Trivial FTP (TFTP)
traceroute	Standalone apps/ libraries	2.0.1	GPLv2	Traces the route taken by packets over an IPv4/IPv6 network
tzdata	Configuration files	2011l	Public domain	Time-zone data

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
udev	Standalone apps/ libraries	127	GPLv2	Device manager for device nodes and user space events (improved functionality over `devfs`)
unzip	Standalone apps/ libraries	6	BSD-like	A utility for unpacking zip files
util-linux	Standalone apps/ libraries	2.13	GPLv2	A collection of basic system utilities
vim-minimal	Standalone apps/ libraries	7.0.109	Charityware	A minimal version of VIsual editor iMproved (VIM)
vixie-cron	Standalone apps/ libraries	4.1	ISC	The Vixie cron daemon for executing scheduled commands
wget	Standalone apps/ libraries	1.12	GPLv3	A utility for retrieving files using the HTTP or FTP protocols
xinetd	Standalone apps/ libraries	2.3.14	Distributable	A secure replacement for `inetd`
zip	Standalone apps/ libraries	3	BSD-like	A file compression and packaging utility compatible with PKZIP
zlib	Shared library linkage	1.2.3	BSD	The zlib compression and decompression library

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GlobalProtect Mobile Security Manager 6.0 OSS Listing

NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
MAKEDEV	Standalone apps/ libraries	3.23	GPLv2	A program used for creating the device files in /dev
SysVinit	Standalone apps/ libraries	2.86	GPLv2	Programs which control basic system processes
basesystem		8	Public Domain	The skeleton package which defines a simple Red Hat Linux system
bash	Standalone apps/ libraries	3.1	GPLv2	The GNU Bourne Again shell (bash) version 3.1
beecrypt	OSS Shared library linkage	4.1.2	LGPLv2.1	An open source cryptography library
bind-libs	OSS Shared library linkage	9.3.3	ISC	Libraries used by the BIND DNS packages
bind-utils	Standalone apps/ libraries	9.3.3	ISC	Utilities for querying DNS name servers
bonnie++	Standalone apps/ libraries	1.03d	GPLv2	A program for benchmarking hard drives and file systems
bzip2	Standalone apps/ libraries	1.0.3	BSD	A file compression utility
bzip2-libs	OSS Shared library linkage	1.0.3	BSD	Libraries for applications using bzip2
chkconfig	Standalone apps/ libraries	1.3.30.1	GPLv2	A system tool for maintaining the /etc/rc*.d hierarchy
coreutils	Standalone apps/ libraries	5.97	GPLv2	The GNU core utilities: a set of tools commonly used in shell scripts
cpio	Standalone apps/ libraries	2.6	GPLv2	A GNU archiving program

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
cpp	Standalone apps/ libraries	4.1.1	GPLv2	The C Preprocessor
cracklib	OSS Shared library linkage	2.8.9	Artistic	A password-checking library
cracklib-dicts	Dictionaries used by cracklib	2.8.9	Artistic	The standard CrackLib password-checking dictionaries
crontabs	Root crontab files, used by system utilities	1.1	Public Domain	Root crontab files used to schedule the execution of programs
curl	Standalone apps/ libraries	7.20.1	MIT	Get and send files to a FTP, HTTP, TFTP, SSH or other servers
dhclient	Standalone apps/ libraries	3.0.5	Distributable	The ISC DHCP client for configuring network interfaces
diffutils	Standalone apps/ libraries	2.8.1	GPLv2	A GNU collection of diff utilities
e2fsprogs	Standalone apps/ libraries	1.39	GPLv2	Utilities for managing the second extended (ext2) file system
e2fsprogs-libs	OSS Shared library linkage	1.39	GPLv2	Ext2/3 file-system-specific static libraries and headers
e4fsprogs	Standalone apps/ libraries	1.41.12	GPLv2	Utilities for managing the fourth extended (ext4) file system
e4fsprogs-libs	OSS Shared library linkage	1.41.12	GPLv2	Ext4 file-system-specific static libraries and headers
elfutils-libelf	OSS Shared library linkage	0.128	GPLv2	Library to read and write ELF files
ethtool	Standalone apps/ libraries	5	GPLv2	Ethernet settings tool for PCI ethernet cards

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
eventlog	OSS Shared library linkage	0.2.12	BSD	event log library
expat	OSS Shared library linkage	1.95.8	BSD	A library for parsing XML
fastlz	Shared library linkage	0.1.0	FastLZ	A real-time compression library
file	Standalone apps/ libraries	5.04	Distributable	A utility for determining file types
file-libs	Standalone apps/ libraries	5.04	Distributable	Libraries for applications using the LibMagic Perl interface
filesystem	Standalone apps/ libraries	2.4.0	Distributable	The basic directory layout for a Linux system
findutils	Standalone apps/ libraries	4.2.27	GPLv2	The GNU versions of find utilities (find and xargs)
fipscheck	Standalone apps/ libraries	1.2.0	FreeBSD	A library for integrity verification of FIPS validated modules
fipscheck-lib	Standalone apps/ libraries	1.2.0	FreeBSD	Library files for fipscheck
gawk	Standalone apps/ libraries	3.1.5	GPLv2	The GNU version of the awk text processing utility
gdb	Standalone apps/ libraries	7.0.1	GPLv3+	A GNU source-level debugger for C, C++, Java and other languages
glib	OSS Shared library linkage	2.12.9	LGPLv2	glib library
glib2	OSS Shared library linkage	2.12.3	LGPLv2	A library of useful utility functions
glibc	Shared library linkage	2.5	LGPLv2	The GNU libc libraries

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
glibc-common	Shared library linkage	2.5	LGPLv2	Common binaries and locale data for glibc
gmp	OSS Shared library linkage	4.3.1	LGPLv3	A GNU arbitrary precision library
gnupg	Standalone apps/ libraries	1.4.5	GPLv2	A GNU utility for secure communication and data storage
grep	Standalone apps/ libraries	2.5.1	GPLv2	The GNU versions of grep pattern matching utilities
grub	Standalone apps/ libraries	6.0.97	GPL	GRUB - the Grand Unified Boot Loader
gzip	Standalone apps/ libraries	1.3.5	GPLv2	The GNU data compression program
inetutils	Standalone apps/ libraries	1.5	GPLv3	Internet utilities
info	Standalone apps/ libraries	4.8	GPLv2	A stand-alone TTY-based reader for GNU Texinfo documentation
initscripts	Standalone apps/ libraries + startup and shutdown scripts	8.45.15	GPLv2	The inittab file and the /etc/ init.d scripts
ipmitool	Standalone apps/ libraries	1.8.11	BSD-like	Open source Intelligent Platform Management Interface (IPMI) utilities and scripts
iproute	Standalone apps/ libraries	2.6.18	GPLv2	Advanced IP routing and network device configuration tools
iptables	Standalone apps/ libraries	1.3.5	GPLv2	Tools for managing Linux kernel packet filtering capabilities
iptables-ipv6	Standalone apps/ libraries	1.3.5	GPLv2	IPv6 support for IP tables

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
iputils	Standalone apps/ libraries	20020927	GPLv2	Network monitoring tools including ping
irqbalance		1.13		IRQ balancing daemon
krb5-libs	Shared library linkage	1.8.1	MIT	The shared libraries used by Kerberos 5
krb5-workstation	Standalone apps/ libraries	1.8.1	MIT	Kerberos 5 programs for use on workstations
less	Standalone apps/ libraries	394	GPLv2	A text file browser similar to more, but better
leveldb	Shared library linkage	1.2	BSD	LevelDB library
libattr	OSS Shared library linkage	2.4.32	LGPLv2.1	Dynamic library for extended attribute support
libcurl4	Shared library linkage	7.20.1	MIT	The cURL library
libevent	OSS Shared library linkage	2.0.19	GPLv2	Abstract asynchronous event notification library
libgcc	Shared library linkage	4.1.1	LGPLv2	GCC version 4.1 shared support library
libgssapi	OSS Shared library linkage	0.1	BSD-like	Generic Security Services Application Programming Interface Library
libjpeg	OSS Shared library linkage	6b	IJG	A library for manipulating JPEG image format files
libmcrypt	OSS Shared library linkage	2.5.8	LGPLv2	Encryption algorithms library
libpcap	Shared library linkage	0.9.4	BSD	A system-independent interface for user-level packet capture
libpng	Shared library linkage	1.2.44	OSI Certified (Zlib)	A library of functions for manipulating PNG image format files

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
libstdc++	Shared library linkage	4.1.1	GPL	GNU Standard C++ Library
libsysfs	OSS Shared library linkage	2.0.0	LGPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
libtecla	Shared library linkage	1.6.1	MIT/X11	The Tecla command-line editing library
libtermcap	Configuration Files	2.0.8	Public Domain	A basic system library for accessing the termcap database
libunwind	OSS Shared library linkage	1.1	BSD	Unwind Library
libuser	OSS Shared library linkage	0.54.7	LGPLv2	A user and group account administration library
libvolume_id	OSS Shared library linkage	127	GPLv2	Dynamic libraries to get volume IDs
libxml2	Shared library linkage	2.6.30	MIT	Library providing XML and HTML support
libxml2-python	Standalone apps/ libraries	2.6.30	PSF	Python bindings for the libxml2 library
libxslt	Shared library linkage	1.1.22	MIT	Library providing the Gnome XSLT engine
lockdev	Standalone apps/ libraries	1.0.1	LGPLv2.1	A library for locking devices
logrotate	Standalone apps/ libraries	3.7.4	GPLv2	Rotates, compresses, removes and mails system log files
m2crypto	Standalone apps/ libraries	0.16	BSD	Support for using OpenSSL in python scripts
mailx	Standalone apps/ libraries	8.1.1	BSD	The /bin/mail program for sending quick email messages

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
mdadm		2.6.9	GPL	Linux utility used to manage and monitor software RAID devices
mingetty	Standalone apps/ libraries	1.07	GPLv2	A compact getty program for virtual consoles only
mktemp	Standalone apps/ libraries	1.5	BSD	A small utility for safely making .TMP files
module-init-tools	Standalone apps/ libraries	3.3	GPLv2	Kernel module management utilities
mongo-php-driver	Standalone apps/ libraries	1.2.12	PHP v3.01	Provides access to MongoDB for PHP server-side scripting language
mongodb	Standalone apps/ libraries	2.4.3	AGPL 3.0	MongoDB client shell and tools
ncurses	Shared library linkage	5.5	Distributable	A terminal handling library
net-snmp	Standalone apps/ libraries	5.4.4	BSD	Tools and servers for the SNMP protocol
net-tools	Standalone apps/ libraries	1.6	GPLv2	Basic networking tools
nfs-utils	Standalone apps/ libraries	1.0.9	GPLv2	Network File System (NFS) utilities and supporting clients and daemons for the kernel NFS server
nfs-utils-lib	OSS Shared library linkage	1.0.8	GPLv2	Network File System (NFS) Support Library
ntp	Standalone apps/ libraries	4.2.2p1	Distributable	Synchronizes system time using the Network Time Protocol (NTP)
openldap	Shared library linkage	2.4.23	OpenLDAP	The configuration files, libraries, and documentation for OpenLDAP

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
openldap-clients	Standalone apps/ libraries	2.4.23	OpenLDAP	Client programs for OpenLDAP
openssh	Standalone apps/ libraries	5.2p1	BSD	An open source implementation of SSH protocol versions 1 and 2
openssh-clients	Standalone apps/ libraries	5.2p1	BSD	An open source SSH client application
openssh-server	Standalone apps/ libraries	5.2p1	BSD	An open source SSH server daemon
openssl	Shared library linkage	0.9.8p	OpenSSL	A general purpose cryptography library with TLS implementation
pam	Shared library linkage	1.0.2	BSD	A security tool which provides authentication for applications
pam_krb5	Standalone apps/ libraries	2.2.14	MIT	A pluggable authentication module (PAM) for Kerberos 5
pam_ldap	OSS Shared library linkage	1.8.4	LGPLv3	A pluggable authentication module (PAM) for use with LDAP servers
panos-release	Base Linux OS version info for our systems	2	GPLv2	PAN-OS Linux release file
passwd	Standalone apps/ libraries	0.73	GPLv2	The passwd utility for setting/changing passwords using PAM
pcre	Shared library linkage	6.6	BSD	Perl-compatible regular expression library
pexpect	OSS libraries in interpreted scripts	2.3	MIT	Pexpect is a Pure Python Expect-like module
php	Standalone apps/ libraries	5.3.17	PHP v3.01	PHP server-side scripting language

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
php-cli	Standalone apps/ libraries	5.3.17	PHP v3.01	Command-line interface for PHP server-side scripting language
php-ext	Standalone apps/ libraries	5.3.17	PHP v3.01	Shared PHP-Ext open source widget library for PHP 4 and PHP 5 server-side scripting language
popt	OSS Shared library linkage	1.12	MIT	A C library for parsing command line parameters
portmap	Standalone apps/ libraries	4	BSD	A program which manages remote procedure call (RPC) connections
procps	Standalone apps/ libraries	3.2.7	GPLv2	System and process monitoring utilities
psmisc	Standalone apps/ libraries	22.2	BSD	Utilities for managing processes on your system
python	Standalone apps/ libraries	2.4.3	PSF	An interpreted, interactive, object-oriented programming language
python-bloom	OSS libraries in interpreted scripts	0.1.12	BSD-like	Python implementation of bloom filter
python-elementtree	OSS libraries in interpreted scripts	1.2.6	PSF	Fast XML parser and writer
python-imaging	OSS libraries in interpreted scripts	1.1.5	Distributable	Python's own image processing library
python-sqlite	Shared library linkage	1.1.7	Public Domain	Python bindings for SQLite
python-urlgrabber	OSS libraries in interpreted scripts	3.1.0	LGPLv2.1	A high-level cross-protocol URL-grabber
rcs	Standalone apps/ libraries	5.7	GPLv2	Revision control system (RCS) file version management tools

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
readline	OSS Shared library linkage	5.1	GPLv2	A library for editing typed command lines
redhat-logos		4.9.8		Red Hat-related icons and pictures
reportlab	OSS libraries in interpreted scripts	2.2	BSD	Python PDF generation library
rootfiles	Standalone apps/ libraries	8.1	Distributable	The basic required files for the root user's directory
rpm	Standalone apps/ libraries	4.4.2	GPLv2	The Route Processing Module (RPM) package management system
rpm-libs	Standalone apps/ libraries	4.4.2	GPLv2	Libraries for manipulating Route Processing Module (RPM) packages
rpm-python	OSS libraries in interpreted scripts	4.4.2	GPLv2	Python bindings for apps which will manipulate Route Processing Module (RPM) packages
scrub	Standalone apps/ libraries	2.1	GPLv2	Disk scrubbing program
sed	Standalone apps/ libraries	4.1.5	GPLv2	A GNU stream text editor
setup		2.5.58	Public Domain	A set of system configuration and setup files
shadow-utils	Standalone apps/ libraries	4.0.17	BSD	Utilities for managing accounts and shadow password files
snappy	Shared library linkage	1.0.1	Apache 2.0	High-speed compression and decompression library
sqlite	Shared library linkage	3.6.12	Public Domain	Library that implements an embeddable SQLite in-process database engine

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
sshpass	Standalone apps/ libraries	1.05	BSD	Non-interactive SSH password provider
sysfsutils	Standalone apps/ libraries	2.0.0	GPLv2	Shared library for interfacing with the Linux `sysfs` virtual file system
sysklogd	Standalone apps/ libraries	1.4.1	GPLv2	System logging and kernel message trapping daemons
syslog-ng	Standalone apps/ libraries	3.2.5	GPLv2 LGPLv2	Syslog replacement daemon
tar	Standalone apps/ libraries	1.15.1	GPLv2	A GNU file archiving program
tcpdump	Standalone apps/ libraries	3.9.4	BSD	A network traffic monitoring tool
termcap	Configuration Files	5.5	Public Domain	The terminal feature database used by certain applications
tftp	Standalone apps/ libraries	0.48	BSD	The client for Trivial FTP (TFTP)
traceroute	Standalone apps/ libraries	2.0.1	GPLv2	Traces the route taken by packets over an IPv4/IPv6 network
tzdata	Configuration files	2011l	Public domain	Time-zone data
udev	Standalone apps/ libraries	127	GPLv2	Device manager for device nodes and user space events (improved functionality over `devfs`)
util-linux	Standalone apps/ libraries	2.13	GPLv2	A collection of basic system utilities
vim-minimal	Standalone apps/ libraries	7.0.109	Charityware	A minimal version of VIsual editor iMproved (VIM)

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NAME	HOW INTEGRATED	VERSION	LICENSE TYPE	USAGE
vixie-cron	Standalone apps/ libraries	4.1	ISC	The Vixie cron daemon for executing scheduled commands
wget	Standalone apps/ libraries	1.12	GPLv3	A utility for retrieving files using the HTTP or FTP protocols
xinetd	Standalone apps/ libraries	2.3.14	Distributable	A secure replacement for `inetd`
zlib	Shared library linkage	1.2.3	BSD	The zlib compression and decompression library

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Prisma Access Agent OSS Listings

This table captures the OSS components, component versions, and licenses specific to each component that we use in the Prisma Access Agent.

NAME	VERSION	LICENSE TYPE
appengine	1.6.7	Apache License 2.0
armon/go-metrics	0.4.0	MIT License
async-fp	8.1.1	MIT License
atomic	1.10.0	MIT License
atomic	1.7.0	MIT License
atomic	1.9.0	MIT License
aws/aws-sdk-go	1.44.163	Apache License 2.0
aws/aws-sdk-go	1.44.261	Apache License 2.0
Azure/azure-sdk-for-go	67.1.0	MIT License
Azure/go-ansiterm	0.0.0	MIT License
Azure/go-autorest/autorest	0.11.28	Apache License 2.0
Azure/go-autorest/autorest/adal	0.9.21	Apache License 2.0
Azure/go-autorest/autorest/date	0.3.0	Apache License 2.0
Azure/go-autorest/logger	0.2.1	Apache License 2.0
Azure/go-autorest/tracing	0.6.0	Apache License 2.0
beevik/etree	1.1.0	BSD 2-Clause "Simplified" License
beorn7/perks	1.0.1	MIT License
Boost	1.83.0	Boost License
bufbuild/buf	1.8.0	Apache License 2.0
BurntSushi/toml	1.1.0	MIT License

NAME	VERSION	LICENSE TYPE
BurntSushi/toml	1.2.1	MIT License
bzip2	1.0.8	BSD License
c-ares	1.27.0	MIT License
cenkalti/backoff	4.1.1	MIT License
cenkalti/backoff	4.1.3	MIT License
cenkalti/backoff	4.2.0	MIT License
census-instrumentation/ opencensus-proto	0.3.0	Apache License 2.0
cespare/xxhash	2.1.2	MIT License
cespare/xxhash	2.2.0	MIT License
collector	0.28.0	Apache License 2.0
compare-versions	4.1.3	MIT License
containerd/cgroups	1.0.4	Apache License 2.0
containerd/containerd	1.6.19	Apache License 2.0
containerd/containerd	1.6.8	Apache License 2.0
containerd/continuity	0.3.0	Apache License 2.0
contrib	0.23.0	Apache License 2.0
contrib/instrumentation/host	0.23.0	Apache License 2.0
contrib/instrumentation/net/ http/otelhttp	0.24.0	Apache License 2.0
contrib/instrumentation/ runtime	0.23.0	Apache License 2.0
contrib/propagators/b3	0.23.0	Apache License 2.0
contrib/propagators/ot	0.23.0	Apache License 2.0
cosmos/cosmos-proto	1.0.0-alpha8	Apache License 2.0
cosmos/cosmos-sdk	0.46.7	Apache License 2.0

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NAME	VERSION	LICENSE TYPE
cosmos/iavl	0.19.4	Apache License 2.0
cpuguy83/dockercfg	0.3.1	BSD 3-clause "New" or "Revised" License
cross-fetch	3.1.6	MIT License
date-fns	2.29.3	MIT License
davecgh/go-spew	1.1.1	ISC License
dgrijalva/jwt-go	3.2.0	MIT License
dgryski/go-rendezvous	0.0.0	MIT License
dirname-filename-esm	1.1.1	MIT License
docer/go-connections	0.4.0	Apache License 2.0
docer/go-units	0.4.0	Apache License 2.0
docker/cli	20.10.17	Apache License 2.0
docker/distribution	2.8.1	Apache License 2.0
docker/docker	20.10.17	Apache License 2.0
docker/docker	20.10.22	Apache License 2.0
docker/docker	23.0.5	Apache License 2.0
docker/go-connections	0.4.0	Apache License 2.0
docker/go-units	0.4.0	Apache License 2.0
docker/go-units	0.5.0	Apache License 2.0
DRNG	2.1	BSD 3-clause "New" or "Revised" License
fmt	10.2.1	BSD License
genproto	0.0.0	Apache License 2.0
go-kit/kit	0.12.0	MIT License
go-logfmt/logfmt	0.5.1	MIT License
go-logr/logr	1.2.3	Apache License 2.0

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NAME	VERSION	LICENSE TYPE
go-logr/stdr	1.2.2	Apache License 2.0
go-ole/go-ole	1.2.5	MIT License
go-playground/validator	10.11.2	MIT License
go-playground/validator	10.12.0	MIT License
go-stack/stack	1.8.1	MIT License
go.opencensus.io	0.23.0	Apache License 2.0
go.temporal.io/api	1.8.0	MIT License
go/compute	1.18.0	Apache License 2.0
go/iam	1.1.0	Apache License 2.0
go/profiler	0.3.1	Apache License 2.0
go/pubsub	1.26.0	Apache License 2.0
go/secretmanager	1.6.0	Apache License 2.0
go/storage	1.22.1	Apache License 2.0
go/storage	1.29.0	Apache License 2.0
gogo/gateway	1.1.0	BSD 3-clause "New" or "Revised" License
gogo/protobuf	1.3.2	BSD 3-clause "New" or "Revised" License
golang-jwt/jwt	3.2.2	MIT License
golang-jwt/jwt	4.4.3	MIT License
golang-jwt/jwt	4.5.0	MIT License
golang/grpc	1.48.0	Apache License 2.0
golang/mock	1.6.0	Apache License 2.0
golang/protobuf	1.5.2	BSD 3-clause "New" or "Revised" License
golang/snappy	0.0.4	BSD 3-clause "New" or "Revised" License

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NAME	VERSION	LICENSE TYPE
google.golang.org/api	0.102.0	BSD 3-clause "New" or "Revised" License
google.golang.org/api	0.110.0	BSD 3-clause "New" or "Revised" License
google.golang.org/api	0.95.0	BSD 3-clause "New" or "Revised" License
google/go-cmp	0.5.8	BSD 3-clause "New" or "Revised" License
google/go-cmp	0.5.9	BSD 3-clause "New" or "Revised" License
google/gofuzz	1.2.0	Apache License 2.0
google/uuid	1.3.0	BSD 3-clause "New" or "Revised" License
gorilla/mux	1.8.0	BSD 3-clause "New" or "Revised" License
grpc	1.47.0	Apache License 2.0
grpc	1.48.0	Apache License 2.0
grpc	1.49.0	Apache License 2.0
grpc	1.50.1	Apache License 2.0
grpc	1.51.0	Apache License 2.0
grpc	1.53.0	Apache License 2.0
grpc	1.57.0	Apache License 2.0
grpc-ecosystem/go-grpc-middleware	1.3.0	Apache License 2.0
grpc-ecosystem/go-grpc-middleware	1.53.0	Apache License 2.0
grpc-ecosystem/go-grpc-prometheus	1.2.0	Apache License 2.0
grpc-ecosystem/grpc-gateway	1.16.0	Apache License 2.0

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grpc/otelgrpc	0.34.0	Apache License 2.0
grpc/otelgrpc	0.35.0	Apache License 2.0
grpc/otelgrpc	0.36.4	Apache License 2.0
hashicorp/errwrap	1.1.0	Mozilla Public License 2.0
hashicorp/go-multierror	1.1.1	Mozilla Public License 2.0
hashicorp/go-version	1.6.0	Mozilla Public License 2.0
headlessui/react	1.7.12	MIT License
history	5.3.0	MIT License
http-status	1.6.2	BSD License
ilyakaznacheev/cleanenv	1.3.0	MIT License
ilyakaznacheev/cleanenv	1.4.2	MIT License
imdario/mergo	0.3.13	BSD 3-clause "New" or "Revised" License
imdario/mergo	0.3.15	BSD 3-Clause "New" or "Revised" License
iso-error	6.0.3	MIT License
iso-error-google-cloud-api	5.2.4	MIT License
iso-error-web	2.3.4	MIT License
jhump/protoreflect	1.12.1	BSD 3-clause "New" or "Revised" License
jmespath/go-jmespath	0.4.0	Apache License 2.0
joho/godotenv	1.4.0	MIT License
js-base64	3.7.3	BSD 3-clause "New" or "Revised" License
json-iterator/go	1.1.12	MIT License
just-web/app	7.2.1	MIT License
just-web/browser-keyboard	8.4.1	MIT License

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just-web/commands	7.2.4	MIT License
just-web/formatjs	1.0.5	MIT License
just-web/keyboard	7.2.4	MIT License
just-web/os	7.2.4	MIT License
just-web/preferences	7.2.6	MIT License
just-web/presets-browser	7.2.4	MIT License
just-web/react	9.0.3	MIT License
just-web/states	7.1.6	MIT License
klauspost/compress	1.15.1	BSD 3-Clause "New" or "Revised" License
klauspost/compress	1.15.11	BSD 3-clause "New" or "Revised" License
klauspost/compress	1.16.5	BSD 3-clause "New" or "Revised" License
kr/pretty	0.3.1	MIT License
labstack/echo	4.10.2	BSD 3-clause "New" or "Revised" License
labstack/gommon	0.4.0	BSD 3-clause "New" or "Revised" License
libarchive	3.6.1	BSD License
lightstep/lightstep-tracer-go	1.0.0	MIT License
lightstep/otel-launcher-go	1.0.0	Apache License 2.0
magiconair/properties	1.8.7	BSD 3-clause "New" or "Revised" License
mattn/go-colorable	0.1.13	MIT License
mattn/go-isatty	0.0.17	MIT License
mattn/go-isatty	0.0.19	MIT License

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matttproud/ golang_protobuf_extensions	1.0.2	Apache License 2.0
matttproud/ golang_protobuf_extensions	1.0.4	Apache License 2.0
Microsoft/go-winio	0.5.2	MIT License
Microsoft/hcsshim	0.9.4	MIT License
moby/patternmatcher	0.5.0	Apache License 2.0
moby/sys/mount	0.3.3	Apache License 2.0
moby/sys/mountinfo	0.6.2	Apache License 2.0
moby/sys/sequential	0.5.0	Apache License 2.0
moby/term	0.0.0	Apache License 2.0
modern-go/concurrent	0.0.0	Apache License 2.0
modern-go/reflect2	1.0.2	Apache License 2.0
MOLCertificate	1.8	Apache License 2.0
mongo-driver	1.11.0	Apache License 2.0
mongo-driver	1.11.1	Apache License 2.0
mongo-driver	1.11.3	Apache License 2.0
mongo-driver	1.11.6	Apache License 2.0
mongo-driver/mongo/ otelmongo	0.36.3	Apache License 2.0
montanaflynn/stats	0.6.6	MIT License
morikuni/abt	1.0.0	Apache License 2.0
MSFT GSL	4.0.0	MIT License
multierr	1.6.0	MIT License
multierr	1.8.0	MIT License
multierr	1.9.0	MIT License

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nlohmann	3.11.3	MIT License
Nvveen/Gotty	0.0.0	MIT License
opencontainers/go-digest	1.0.0	Apache License 2.0
opencontainers/image-spec	1.0.2	Apache License 2.0
opencontainers/image-spec	1.0.3	Apache License 2.0
opencontainers/image-spec	1.1.0-rc2	Apache License 2.0
opencontainers/runc	1.1.3	Apache License 2.0
OpenSSL	3.4-fips3.1	OpenSSL AND Apache License 2.0
opentracing/opentracing-go	1.2.0	Apache License 2.0
otel	1.10.0	Apache License 2.0
otel	1.11.1	Apache License 2.0
otel	1.13.0	Apache License 2.0
otel/exporters/otlp/otlpmetric	0.23.0	Apache License 2.0
otel/exporters/otlp/otlpmetric/otlpmetricgrpc	0.23.0	Apache License 2.0
otel/exporters/otlp/otlptrace	1.27.0	Apache License 2.0
otel/trace	1.10.0	Apache License 2.0
otel/trace	1.11.1	Apache License 2.0
otel/trace	1.13.0	Apache License 2.0
pborman/uuid	1.2.1	BSD 3-Clause "New" or "Revised" License
pelletier/go-toml	2.0.6	MIT License
pkg/errors	0.9.1	BSD 2-clause “Simplified” License
prometheus/client_golang	1.11.1	Apache License 2.0
prometheus/client_golang	1.12.2	Apache License 2.0
prometheus/client_golang	1.13.0	Apache License 2.0

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prometheus/client_golang	1.14.0	Apache License 2.0
prometheus/client_golang	1.15.1	Apache License 2.0
prometheus/client_model	0.2.0	Apache License 2.0
prometheus/client_model	0.3.0	Apache License 2.0
prometheus/common	0.34.0	Apache License 2.0
prometheus/common	0.37.0	Apache License 2.0
prometheus/procfs	0.7.3	Apache License 2.0
prometheus/procfs	0.8.0	Apache License 2.0
protobuf	1.28.0	BSD 3-clause "New" or "Revised" License
protobuf	1.28.1	BSD 3-Clause "New" or "Revised" License
protobuf	1.30.0	BSD 3-Clause "New" or "Revised" License
protobuf	3.21.12	BSD 3-Clause "New" or "Revised" License
pugixml	1.14	MIT License
react	16.14.0	MIT License
react-error-boundary	3.1.4	MIT License
react-hook-form	7.43.9	MIT License
react-intl	5.25.1	BSD License
react-router-dom	5.1.2	MIT License
react-spring/core	9.5.5	MIT License
react-spring/web	9.7.1	MIT License
react-table	7.7.0	MIT License
react-use-measure	2.1.1	MIT License
react-use-websocket	3.0.0	MIT License

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redis	8.11.5	BSD 2-Clause "Simplified" License
regen-network/cosmos-proto	0.3.1	Apache License 2.0
RocksDB	8.8.1	Apache License 2.0
rs/cors	1.8.3	MIT License
rs/xid	1.4.0	MIT License
rs/zerolog	1.28.0	MIT License
rs/zerolog	1.29.0	MIT License
rs/zerolog	1.29.1	MIT License
sdk	1.15.0	MIT License
sethvargo/go-envconfig	0.3.2	MIT License
shirou/gopsutil	3.21.5	BSD 3-clause "New" or "Revised" License
sirupsen/logrus	1.8.1	MIT License
sirupsen/logrus	1.9.0	MIT License
snappy	0.0.4	BSD 3-clause "New" or "Revised" License
spdlog	1.13.0	MIT License
spf13/cobra	1.5.0	Apache License 2.0
spf13/cobra	1.6.1	Apache License 2.0
spf13/pflag	1.0.5	BSD 3-Clause "New" or "Revised" License
spf13/viper	1.14.0	MIT License
spf13/viper	1.15.0	MIT License
StackExchange/wmi	0.0.0	MIT License
standard-log-color	12.1.2	MIT License
stretchr/testify	1.7.1	MIT License

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stretchr/testify	1.8.0	MIT License
stretchr/testify	1.8.1	MIT License
stretchr/testify	1.8.4	MIT License
strikesecurity/strikememongo	0.2.4	MIT License
strip-ansi	7.1.0	MIT License
tailwindcss	3.2.4	MIT License
tanstack/react-query	4.29.7	MIT License
tendermint/tendermint	0.35.9	Apache License 2.0
tersify	3.11.1	MIT License
testcontainers/testcontainers-go	0.15.0	Apache License 2.0
testcontainers/testcontainers-go	0.20.1	Apache License 2.0
tklauser/go-sysconf	0.3.5	BSD 3-clause "New" or "Revised" License
tklauser/numcpus	0.2.2	BSD 3-clause "New" or "Revised" License
type-plus	7.6.0	MIT License
uber/jaeger-client-go	2.30.0	Apache License 2.0
uber/jaeger-lib	2.4.1	Apache License 2.0
uni-require	0.0.1	MIT License
uuid	8.3.2	MIT License
valyala/bytebufferpool	1.0.0	MIT License
valyala/fasttemplate	1.2.2	BSD 2-clause “Simplified” License
wil	1.0.240122.1	MIT License
x/crypto	0.0.0	BSD 3-Clause "New" or "Revised" License

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x/crypto	0.7.0	BSD 3-Clause "New" or "Revised" License
x/net	0.0.0	BSD 3-Clause "New" or "Revised" License
x/net	0.4.0	BSD 3-clause "New" or "Revised" License
x/net	0.6.0	BSD 3-clause "New" or "Revised" License
x/net	0.7.0	BSD 3-clause "New" or "Revised" License
x/net	0.8.0	BSD 3-clause "New" or "Revised" License
x/oauth2	0.5.0	BSD 3-clause "New" or "Revised" License
x/sync	0.1.0	BSD 3-Clause "New" or "Revised" License
x/sys	0.0.0	BSD 3-Clause "New" or "Revised" License
x/sys	0.3.0	BSD 3-clause "New" or "Revised" License
x/sys	0.4.0	BSD 3-clause "New" or "Revised" License
x/sys	0.5.0	BSD 3-clause "New" or "Revised" License
x/sys	0.6.0	BSD 3-clause "New" or "Revised" License
x/term	0.5.0	BSD 3-clause "New" or "Revised" License
x/text	0.3.7	BSD 3-Clause "New" or "Revised" License
x/text	0.5.0	BSD 3-clause "New" or "Revised" License

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x/text	0.7.0	BSD 3-clause "New" or "Revised" License
x/text	0.8.0	BSD 3-clause "New" or "Revised" License
x/time	0.3.0	BSD 3-clause "New" or "Revised" License
xdg-go/pbkdf2	1.0.0	BSD 3-clause "New" or "Revised" License
xdg-go/scram	1.1.1	Apache License 2.0
xdg-go/stringprep	1.0.3	BSD 3-clause "New" or "Revised" License
xterm-for-react	1.0.4	MIT License
yaml	2.4.0	Apache License 2.0 or MIT License
youmark/pkcs8	0.0.0	MIT License
zap	1.23.0	MIT License
zap	1.24.0	MIT License
zlib	1.3.1	zlib License
zod	3.22.2	MIT License

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Remote Browser Isolation (RBI) OSS Listings

This table captures the OSS components, component versions, and licenses specific to each component that we use in the cloud-delivered Remote Browser Isolation (RBI) software. Review also the RBI release notes for updates about any changes we make to the OSS components that we use in the RBI software.

For all Google Chrome components that are not included in this listing, please refer to chrome://credits.

NAME	VERSION	LICENSE TYPE
aashutoshrathi/word-wrap	1.2.6	MIT License
abab	2.0.6	BSD 3-clause "New" or "Revised" License
abbrev	1.1.1	ISC License
Acorn	7.4.1	MIT License
Acorn	8.10.0	MIT License
acorn-globals	7.0.1	MIT License
Acorn-JSX	5.3.2	MIT License
acorn-walk	8.2.0	MIT License
agent-base	6.0.2	MIT License
ajv	6.12.6	MIT License
alloc/quick-lru	5.2.0	MIT License
ansi-regex	5.0.1	MIT License
ansi-regex	6.0.1	MIT License
ansi-styles	3.2.1	MIT License
ansi-styles	5.2.0	MIT License
ansi-styles	6.2.1	MIT License

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ansi-styles	4.3.0	MIT License
any-promise	1.3.0	MIT License
anymatch	3.1.3	ISC License
ARG	5.0.2	MIT License
array-buffer-byte-length	1.0.0	MIT License
array-union	2.1.0	MIT License
arraybuffer.prototype.slice	1.0.1	MIT License
asim/go-micro	4.9.0	Apache License 2.0
assert	20160611-snapshot-b7ed37b8	MIT License
assertion-error	1.1.0	MIT License
asynckit	0.4.0	MIT License
Autoprefixer	10.4.15	MIT License
available-typed-arrays	1.0.5	MIT License
avast/retry-go	3.0.0	MIT License
axios	1.4.0	MIT License
aymerick/douceur	0.2.0	MIT License
babel/parser	7.22.10	MIT License
balanced-match	1.0.2	MIT License
benbjohnson-clock	1.3.0	MIT License
binary-extensions	2.2.0	MIT License
bluemonday	1.0.21	BSD 3-clause "New" or "Revised" License
boolbase	1.0.0	ISC License
Bootstrap (Twitter)	5.3.1	MIT License
brace-expansion	1.1.11	MIT License

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brace-expansion	2.0.1	MIT License
brix/crypto-js	4.1.1	MIT License
browserify/resolve	1.22.4	MIT License
brow rowsep="1"serslist	4.21.10	MIT License
cac	6.7.14	MIT License
call-bind	1.0.2	MIT License
callsites	3.1.0	MIT License
camelcase-css	2.0.1	MIT License
caniuse-lite	1.0.30001521	Creative Commons Attribution 4.0
cc	118.0.5993.70	Chromium License
census-instrumentation/ opencensus-go	0.24.0	Apache License 2.0
Chai	4.3.7	MIT License
Chalk	2.4.2	MIT License
Chalk	4.1.2	MIT License
check-error	1.0.2	MIT License
chokidar	3.5.3	MIT License
chrome	v118.0.5993.70	Chromium License
cli-truncate	3.1.0	MIT License
color-name	1.1.3	MIT License
color-name	1.1.4	MIT License
combined-stream	1.0.8	MIT License
Commander.js	10.0.1	MIT License
Commander.js	4.1.1	MIT License
components	v118.0.5993.70	Chromium License

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config-chain	1.1.13	MIT License
containerd/containerd	1.4.3	Apache License 2.0
content	v118.0.5993.70	Chromium License
core-js	3.32.0	MIT License
crypto	0.4.0	BSD 3-clause "New" or "Revised" License
cssesc	3.0.0	MIT License
cssom	0.3.8	MIT License
cssom	0.5.0	MIT License
cssstyle	2.3.0	MIT License
csstype	3.1.2	MIT License
data-urls	3.0.2	MIT License
de-indent	1.0.2	MIT License
debug-js/debug	4.3.4	MIT License
decimal.js	10.4.3	MIT License
deep-eql	4.1.3	MIT License
deep-is	0.1.4	MIT License
define-properties	1.2.0	MIT License
delayed-stream	1.0.0	MIT License
deploy	v118.0.5993.70	Chromium License
didyoumean.js	1.2.2	Apache License 2.0
dir-glob	3.0.1	MIT License
dlv	1.1.3	MIT License
docker	20.10.12	Apache License 2.0
docker-go-units	0.4.0	Apache License 2.0

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docker-registry	2.8.0	Apache License 2.0
doctrine	3.0.0	Apache License 2.0
domexception	4.0.0	MIT License
eastasianwidth	0.2.0	MIT License
EditorConfig	1.0.4	MIT License
einaros/ws	8.13.0	MIT License
electron-to-chromium	1.4.492	ISC License
emoji-regex	9.2.2	MIT License
es-abstract	1.22.1	MIT License
es-set-tostringtag	2.0.1	MIT License
es-to-primitive	1.2.1	MIT License
esbuild	0.18.20	MIT License
esbuild/android-arm	0.18.20	MIT License
esbuild/android-arm64	0.18.20	MIT License
esbuild/android-x64	0.18.20	MIT License
esbuild/darwin-arm64	0.18.20	MIT License
esbuild/darwin-x64	0.18.20	MIT License
esbuild/freebsd-arm64	0.18.20	MIT License
esbuild/freebsd-x64	0.18.20	MIT License
esbuild/linux-arm	0.18.20	MIT License
esbuild/linux-arm64	0.18.20	MIT License
esbuild/linux-ia32	0.18.20	MIT License
esbuild/linux-loong64	0.18.20	MIT License
esbuild/linux-mips64el	0.18.20	MIT License
esbuild/linux-ppc64	0.18.20	MIT License

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esbuild/linux-riscv64	0.18.20	MIT License
esbuild/linux-s390x	0.18.20	MIT License
esbuild/linux-x64	0.18.20	MIT License
esbuild/netbsd-x64	0.18.20	MIT License
esbuild/openbsd-x64	0.18.20	MIT License
esbuild/sunos-x64	0.18.20	MIT License
esbuild/win32-arm64	0.18.20	MIT License
esbuild/win32-ia32	0.18.20	MIT License
esbuild/win32-x64	0.18.20	MIT License
escalade	3.1.1	MIT License
escape-string-regexp	1.0.5	MIT License
escape-string-regexp	4.0.0	MIT License
escodegen	2.1.0	BSD 2-clause "Simplified" License
ESLint	8.47.0	MIT License
eslint-community/eslint-utils	4.4.0	MIT License
eslint-community/regexpp	4.6.2	MIT License
eslint-eslintrc	2.1.2	MIT License
eslint-js	8.47.0	MIT License
eslint-config-prettier	8.10.0	MIT License
eslint-plugin-prettier	4.2.1	MIT License
eslint-plugin-vue	9.17.0	MIT License
eslint-scope	7.2.2	BSD 2-clause "Simplified" License
eslint-scope	5.1.1	BSD 2-clause "Simplified" License
eslint-utils	2.1.0	MIT License
eslint-visitor-keys	1.3.0	Apache License 2.0

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eslint-visitor-keys	3.4.3	Apache License 2.0
espree	9.6.1	BSD 2-clause "Simplified" License
espree	6.2.1	BSD 2-clause "Simplified" License
Esprima	4.0.1	BSD 2-clause "Simplified" License
esquery	1.5.0	BSD 3-clause "New" or "Revised" License
esrecurse	4.3.0	BSD 2-clause "Simplified" License
estraverse	5.3.0	BSD 2-clause "Simplified" License
estraverse	4.3.0	BSD 2-clause "Simplified" License
estree-walker	2.0.2	MIT License
esutils	2.0.3	BSD 2-clause "Simplified" License
extensions	v118.0.5993.70	Chromium License
fast-deep-equal	3.1.3	MIT License
fast-diff	1.3.0	Apache License 2.0
fast-glob	3.3.1	MIT License
fast-json-stable-stringify	2.1.0	MIT License
fast-levenshtein	2.0.6	MIT License
fastq	1.15.0	ISC License
file-entry-cache	6.0.1	MIT License
fill-range	7.0.1	MIT License
find-up	5.0.0	MIT License
flat-cache	3.0.4	MIT License
flatted	3.2.7	ISC License
follow-redirects	1.15.2	MIT License
form-data	4.0.0	MIT License

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fortawesome/fontawesome-common-types	6.4.2	MIT License
fortawesome/fontawesome-svg-core	6.4.2	MIT License
fortawesome/free-solid-svg-icons	6.4.2	(MIT License AND Creative Commons Attribution 4.0)
fortawesome/vue-fontawesome	3.0.3	MIT License
fraction.js	4.2.0	MIT License
fs.realpath	1.0.0	ISC License
fsevents	2.3.2	MIT License
fsnotify-fsnotify	1.5.1	BSD 3-clause "New" or "Revised" License
function-bind	1.1.1	MIT License
function.prototype.name	1.1.5	MIT License
functions-have-names	1.2.3	MIT License
get-func-name	2.0.0	MIT License
get-intrinsic	1.2.1	MIT License
get-symbol-description	1.0.0	MIT License
gin-contrib/sse	0.1.0	MIT License
gin-gonic/gin	1.8.2	MIT License
glob-parent	5.1.2	ISC License
glob-parent	6.0.2	ISC License
globalthis	1.0.3	MIT License
gn	m118	Skia License
Go Logrus	1.8.1	MIT License

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Go Sync	0.1.0	BSD 3-clause "New" or "Revised" License
Go Testify	1.8.1	MIT License
Go Time	0.1.0	BSD 3-clause "New" or "Revised" License
Go Tools	0.4.0	BSD 3-clause "New" or "Revised" License
go-ansiterm	d185dfc1b5a126116ea5a19e148e29d16b4574c9	MIT License
go-check-check	20201130-snapshot-10cb9826	BSD 2-clause "Simplified" License
go-jwx	2.0.8	MIT License
go-ole-go-ole	1.2.6	MIT License
go-playground-universal-translator	0.18.0	MIT License
go-playground/assert	1.2.1	MIT License
go-playground/assert	2.0.1	MIT License
go-playground/locales	0.14.0	MIT License
go-playground/validator	8.18.2	MIT License
go-simplejson	0.5.0	Expat License
go-spew	1.1.1	ISC License
go-toml	2.0.6	MIT License
go-zap	1.24.0	MIT License
go.uuid	1.2.0	MIT License
goccy/go-json	0.10.0	MIT License
GoDoc Text	0.2.0	MIT License
Golang Protobuf	1.3.2	BSD 3-clause "New" or "Revised" License

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Golang Protobuf	1.5.2	BSD 3-clause "New" or "Revised" License
golang-github-docker-go-connections-dev	0.4.0	Apache License 2.0
golang/appengine	1.6.7	Apache License 2.0
golang/text	0.5.0	BSD 3-clause "New" or "Revised" License
goleak	1.1.12	MIT License
Google Cloud Client Libraries for Go	20210117-snapshot	Apache License 2.0
Google Cloud Client Libraries for Go	compute/metadata/v0.2.1	Apache License 2.0
Google Cloud Client Libraries for Go	compute/v1.13.0	Apache License 2.0
Google Cloud Client Libraries for Go	kms/v1.6.0	Apache License 2.0
Google Cloud Client Libraries for Go	pubsub/v1.28.0	Apache License 2.0
Google Cloud Client Libraries for Go	secretmanager/v1.9.0	Apache License 2.0
Google Cloud Client Libraries for Go	storage/v1.27.0	Apache License 2.0
Google Cloud Client Libraries for Go	0.105.0	Apache License 2.0
Google Cloud Client Libraries for Go	0.7.0	Apache License 2.0
Google Widevine DRM	4.102662.3	Google License
google/go-cmp	0.5.9	BSD 3-clause "New" or "Revised" License
google/go-genproto	20221202-snapshot-67e5cbc0	Apache License 2.0

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googleapis/gax-go	2.7.0	BSD 3-clause "New" or "Revised" License
gopd	1.0.1	MIT License
gorilla/css	1.0.0	BSD 3-clause "New" or "Revised" License
gorilla/mux	1.8.0	BSD 3-clause "New" or "Revised" License
gorilla/websocket	1.5.0	BSD 2-clause "Simplified" License
gotest.tools	3.0.3	Apache License 2.0
graphemer	1.4.0	MIT License
groupcache	20200125-snapshot-8c9f03a8	Apache License 2.0
grpc-go	1.50.1	Apache License 2.0
Guacamole	0.9.14	Apache 2.0 license
has	1.0.3	MIT License
has-bigints	1.0.2	MIT License
has-flag	3.0.0	MIT License
has-flag	4.0.0	MIT License
has-property-descriptors	1.0.0	MIT License
has-proto	1.0.1	MIT License
has-symbols	1.0.3	MIT License
has-tostringtag	1.0.0	MIT License
hosted-git-info	2.8.9	ISC License

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https-proxy-agent	5.0.1	MIT License
humanwhocodes/config-array	0.11.10	Apache License 2.0
humanwhocodes/module-importer	1.0.1	Apache License 2.0
humanwhocodes/object-schema	1.2.1	BSD 3-clause "New" or "Revised" License
iconv-lite	0.6.3	MIT License
immutable-js	4.3.2	MIT License
import-fresh	3.3.0	MIT License
imurmurhash	0.1.4	MIT License
include	m118	Skia License
inflight	1.0.6	ISC License
inherits	2.0.4	ISC License
internal-slot	1.0.5	MIT License
intlify/bundle-utils	5.5.0	MIT License
intlify/core-base	9.2.2	MIT License
intlify/devtools-if	9.2.2	MIT License
intlify/message-compiler	9.2.2	MIT License
intlify/message-compiler	9.3.0-beta.17	MIT License
intlify/shared	9.2.2	MIT License
intlify/shared	9.3.0-beta.17	MIT License
intlify/shared	9.3.0-beta.26	MIT License
intlify/unplugin-vue-i18n	0.9.3	MIT License
intlify/vue-devtools	9.2.2	MIT License
is-array-buffer	3.0.2	MIT License

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is-bigint	1.0.4	MIT License
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is-boolean-object	1.1.2	MIT License
is-callable	1.2.7	MIT License
is-core-module	2.13.0	MIT License
is-date-object	1.0.5	MIT License
is-extglob	2.1.1	MIT License
is-fullwidth-code-point	4.0.0	MIT License
is-glob	4.0.3	MIT License
is-negative-zero	2.0.2	MIT License
is-number	7.0.0	MIT License
is-number-object	1.0.7	MIT License
is-path-inside	3.0.3	MIT License
is-potential-custom-element-name	1.0.1	MIT License
is-regex	1.1.4	MIT License
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is-string	1.0.7	MIT License
is-symbol	1.0.4	MIT License
is-typed-array	1.1.12	MIT License
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isaacs/once	1.4.0	ISC License
isarray	2.0.5	MIT License
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jacobsa-oglematchers	20150720-snapshot-141901ea	Apache License 2.0
jacobsa-ogletest	20170503-snapshot-80d50a73	Apache License 2.0
jacobsa-reqtrace	20150505-snapshot-245c9e02	Apache License 2.0
jacobsa-syncutil	20171031-snapshot-228ac8e5	Apache License 2.0
jacobsa-timeutil	20170205-snapshot-577e5acb	Apache License 2.0
jacobsa/oglemock	20150830-snapshot-e94d794d	Apache License 2.0
jiti	1.19.1	MIT License
jridgewell/gen-mapping	0.3.3	MIT License
jridgewell/resolve-uri	3.1.1	MIT License
jridgewell/set-array	1.1.2	MIT License
jridgewell/sourcemap-codec	1.4.15	MIT License
jridgewell/trace-mapping	0.3.19	MIT License
js-beautify	1.14.9	MIT License
js-yaml	4.1.0	MIT License
jsdiff	5.1.0	BSD 3-clause "New" or "Revised" License
jsdom	20.0.3	MIT License
jshttp/mime-types	2.1.35	MIT License
json-parse-better-errors	1.0.2	MIT License
json-schema-traverse	0.4.1	MIT License

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jsonc-eslint-parser	1.4.1	MIT License
jsonc-parser	3.2.0	MIT License
jsoniter-go	1.1.12	MIT License
kr/pretty	0.3.0	MIT License
KyleBanks/dockerstats	20180213-snapshot-b5fec062	MIT License
lancedikson/bowser	2.11.0	MIT License
leodido/go-urn	1.2.1	MIT License
lestrrat-go/blackmagic	1.0.1	MIT License
lestrrat-go/httpcc	1.0.1	MIT License
lestrrat-go/httprc	1.0.4	MIT License
lestrrat-go/iter	1.0.2	MIT License
lestrrat-go/option	1.0.1	MIT License
levn	0.4.1	MIT License
lilconfig	2.1.0	MIT License
lines-and-columns	1.2.4	MIT License
ljharb/object.assign	4.1.4	MIT License
load-json-file	4.0.0	MIT License
local-pkg	0.4.3	MIT License
locate-path	6.0.0	MIT License
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loupe	2.3.6	MIT License
magic-string	0.30.2	MIT License

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merge2	1.4.1	MIT License
mergo	0.3.13	BSD 3-clause "New" or "Revised" License
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micromatch/braces	3.0.2	MIT License
Microsoft-go-winio	0.6.0	MIT License
Microsoft/tslib	1.14.1	BSD Zero Clause License
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minimatch	3.1.2	ISC License
minimatch	5.1.6	ISC License
minimatch	9.0.1	ISC License
minimatch	9.0.3	ISC License
mlly	1.4.0	MIT License
moby/term	3f7ff695adc6a35abc925370dd0a4dafb48ec64d	Apache License 2.0
mod	0.7.0	BSD 3-clause "New" or "Revised" License
modern-go/concurrent	20180305-snapshot-bacd9c7e	Apache License 2.0

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modules	m118	Skia License
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ms.js	2.1.2	MIT License
muggle-string	0.3.1	MIT License
multierr	1.9.0	MIT License
mz	2.7.0	MIT License
nanoid	3.3.6	MIT License
nanomsg/mangos	3.4.2	Apache License 2.0
natural-compare	1.4.0	MIT License
natural-compare-lite	1.4.0	MIT License
net	v118.0.5993.70	Chromium License
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node-cross-spawn	6.0.5	MIT License
node-cross-spawn	7.0.3	MIT License
node-entities	4.5.0	BSD 2-clause "Simplified" License
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node-glob	7.2.3	ISC License
node-glob	8.1.0	ISC License
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node-graceful-fs	4.2.11	ISC License
node-http-proxy-agent	5.0.0	MIT License

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node-lru-cache	6.0.0	ISC License
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node-semver	5.7.2	ISC License
node-semver	6.3.1	ISC License
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node-shell-quote	1.8.1	MIT License
node-uuid	9.0.0	MIT License
nodeca-argparse	2.0.1	Python Software Foundation License 2.0
nodelib-fs.scandir	2.1.5	MIT License
nodelib-fs.stat	2.0.5	MIT License
nodelib-fs.walk	1.2.8	MIT License
nopt	6.0.0	ISC License
normalize-package-data	2.5.0	BSD 2-clause "Simplified" License
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normalize-range	0.1.2	MIT License
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npm-run-all	4.1.5	MIT License
nth-check	2.1.1	BSD 2-clause "Simplified" License
nwsapi	2.2.7	MIT License
oauth2 for Go	20221010-snapshot-6fdb5e3d	BSD 3-clause "New" or "Revised" License
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object-hash	3.0.0	MIT License
object-inspect	1.12.3	MIT License

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one-ini/wasm	0.1.1	MIT License
opencontainers/go-digest	1.0.0	Apache License 2.0
opencontainers/image-spec	20211202-snapshot-c5a74bcc	Apache License 2.0
optionator	0.9.3	MIT License
oxtoacart-bpool	20190530-snapshot-03653db5	Apache License 2.0
p-limit	3.1.0	MIT License
p-limit	4.0.0	MIT License
p-locate	5.0.0	MIT License
parent-module	1.0.1	MIT License
parse-json	4.0.0	MIT License
parse5	7.1.2	MIT License
path-exists	4.0.0	MIT License
path-is-absolute	1.0.1	MIT License
path-key	2.0.1	MIT License
path-key	3.1.1	MIT License
path-parse	1.0.7	MIT License
path-type	3.0.0	MIT License
path-type	4.0.0	MIT License
pathe	1.1.1	MIT License
pathval	1.1.1	MIT License
patrickmn-go-cache	2.1.0	MIT License
picocolors	1.0.0	ISC License
picomatch	2.3.1	MIT License

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pidtree	0.3.1	MIT License
pify	2.3.0	MIT License
pify	3.0.0	MIT License
pinia	2.1.6	MIT License
pirates	4.0.6	MIT License
pkg-types	1.0.3	MIT License
pkg/errors	0.9.1	BSD 2-clause "Simplified" License
pmezard-go-difflib	1.0.0	BSD 3-clause "New" or "Revised" License
popperjs/core	2.11.8	MIT License
PostCSS	8.4.28	MIT License
postcss-import	15.1.0	MIT License
postcss-js	4.0.1	MIT License
postcss-load-config	4.0.1	MIT License
postcss-nested	6.0.1	MIT License
postcss-selector-parser	6.0.13	MIT License
postcss-value-parser	4.2.0	MIT License
prelude-ls	1.2.1	MIT License
prettier	2.8.8	MIT License
prettier-linter-helpers	1.0.0	MIT License
pretty-format	27.5.1	MIT License
print.js	1.6.0	MIT License
proto-list	1.2.4	ISC License
protobuf	1.28.1	BSD 3-clause "New" or "Revised" License

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psl	1.9.0	MIT License
Punycode.js	2.3.0	MIT License
Qix-/color-convert	1.9.3	MIT License
Qix-/color-convert	2.0.1	MIT License
querystringify	2.2.0	MIT License
queue-microtask	1.2.3	MIT License
Raynos/for-each	0.3.3	MIT License
React from Facebook	17.0.2	MIT License
read-cache	1.0.0	MIT License
read-pkg	3.0.0	MIT License
readdirp	3.6.0	MIT License
regexp.prototype.flags	1.5.0	MIT License
register-service-worker	1.7.2	MIT License
remoting	v118.0.5993.70	Chromium License
requires-port	1.0.0	MIT License
resolve-from	4.0.0	MIT License
reusify	1.0.4	MIT License
rimraf	3.0.2	ISC License
rogpeppe/go-internal	1.8.0	BSD 3-clause "New" or "Revised" License
rollup	3.28.0	MIT License
rollup-pluginutils	5.0.3	MIT License
run-parallel	1.2.0	MIT License

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rushstack-eslint-patch	1.3.3	MIT License
safe-array-concat	1.0.0	MIT License
safe-regex-test	1.0.0	MIT License
safer-buffer	2.1.2	MIT License
sass	1.65.1	MIT License
saxes	6.0.0	MIT License
shebang-command	1.2.0	MIT License
shebang-command	2.0.0	MIT License
shebang-regex	1.0.0	MIT License
shebang-regex	3.0.0	MIT License
side-channel	1.0.4	MIT License
siginfo	2.0.0	ISC License
sindresorhus/globals	13.21.0	MIT License
sindresorhus/globby	11.1.0	MIT License
sindresorhus/slash	3.0.0	MIT License
sindresorhus/supports-color	5.5.0	MIT License
sindresorhus/supports-color	7.2.0	MIT License
slice-ansi	5.0.0	MIT License
source-map	0.6.1	BSD 3-clause "New" or "Revised" License
source-map-js	1.0.2	BSD 3-clause "New" or "Revised" License
spdx-correct.js	3.2.0	Apache License 2.0
spdx-exceptions	2.3.0	Creative Commons Attribution 3.0
spdx-expression-parse.js	3.0.1	MIT License
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src	m118	Skia License
stable-stringify	1.0.1	MIT License
stackback	0.0.2	MIT License
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string-width	5.1.2	MIT License
string.prototype.padend	3.1.4	MIT License
string.prototype.trim	1.2.7	MIT License
string.prototype.trimend	1.0.6	MIT License
string.prototype.trimstart	1.0.6	MIT License
Strip ANSI	6.0.1	MIT License
Strip ANSI	7.1.0	MIT License
strip-bom	3.0.0	MIT License
strip-json-comments	3.1.1	MIT License
strip-literal	1.3.0	MIT License
sucrase	3.34.0	MIT License
supports-preserve-symlinks-flag	1.0.0	MIT License
symbol-tree	3.2.4	MIT License
sys	0.3.0	BSD 3-clause "New" or "Revised" License
tailwindcss	3.3.3	MIT License
text-table	0.2.0	MIT License
thenify	3.3.1	MIT License
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tinybench	2.5.0	MIT License
tinypool	0.4.0	MIT License
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tklauser/go-sysconf	0.3.11	BSD 3-clause "New" or "Revised" License
tklauser/numcpus	0.6.0	Apache License 2.0
to-regex-range	5.0.1	MIT License
tools	v118.0.5993.70	Chromium License
tools	m118	Skia License
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tough-cookie	4.1.3	BSD 3-clause "New" or "Revised" License
tr46	3.0.0	MIT License
ts-interface-checker	0.1.13	Apache License 2.0
tsutils	3.21.0	MIT License
type-check	0.4.0	MIT License
type-detect	4.0.8	MIT License
type-fest	0.20.2	(MIT License OR Creative Commons Zero v1.0 Universal)
typed-array-buffer	1.0.0	MIT License
typed-array-byte-length	1.0.0	MIT License
typed-array-byte-offset	1.0.0	MIT License
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types-bootstrap	5.2.6	MIT License
types-chai	4.3.5	MIT License
types-chai-subset	1.3.3	MIT License

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types-estree	1.0.1	MIT License
types-jsdom	20.0.1	MIT License
types-json-schema	7.0.12	MIT License
types-node	18.17.5	MIT License
types-node	20.5.0	MIT License
types-semver	7.5.0	MIT License
types-tough-cookie	4.0.2	MIT License
types-uuid	9.0.2	MIT License
TypeScript	4.7.4	Apache License 2.0
typescript-eslint/eslint-plugin	5.62.0	MIT License
typescript-eslint/parser	5.62.0	BSD 2-clause "Simplified" License
typescript-eslint/scope-manager	5.62.0	MIT License
typescript-eslint/type-utils	5.62.0	MIT License
typescript-eslint/types	5.62.0	MIT License
typescript-eslint/typescript-estree	5.62.0	BSD 2-clause "Simplified" License
typescript-eslint/utils	5.62.0	MIT License
typescript-eslint/visitor-keys	5.62.0	MIT License
uber-go/atomic	1.10.0	MIT License
uber-go/dig	1.15.0	MIT License
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ufo	1.2.0	MIT License
ugorji's go	1.2.7	MIT License
ui	v118.0.5993.70	Chromium License

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universalify	0.2.0	MIT License
unplugin	1.4.0	MIT License
update-browserslist-db	1.0.11	MIT License
upstream	3.1.18	MIT License and Expat License
uri-js	4.4.1	BSD 2-clause "Simplified" License
url-parse	1.5.10	MIT License
util-deprecate	1.0.2	MIT License
validate-npm-package-license	3.0.4	Apache License 2.0
vite-node	0.29.8	MIT License
vitejs	4.4.9	MIT License
vitejs-plugin-vue	4.2.3	MIT License
vitest	0.29.8	MIT License
vitest-expect	0.29.8	MIT License
vitest-runner	0.29.8	MIT License
vitest-spy	0.29.8	MIT License
vitest-utils	0.29.8	MIT License
volar-language-core	1.10.0	MIT License
volar-source-map	1.10.0	MIT License
volar-typescript	1.10.0	MIT License
vue-compiler-core	3.3.4	MIT License
vue-compiler-dom	3.3.4	MIT License
vue-compiler-sfc	3.3.4	MIT License
vue-compiler-ssr	3.3.4	MIT License
vue-component-type-helpers	1.8.4	MIT License

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vue-demi	0.14.5	MIT License
vue-devtools-api	6.5.0	MIT License
vue-eslint-config-prettier	7.1.0	MIT License
vue-eslint-config-typescript	11.0.3	MIT License
vue-eslint-parser	9.3.1	MIT License
vue-i18n	9.2.2	MIT License
vue-language-core	1.8.8	MIT License
vue-reactivity	3.3.4	MIT License
vue-reactivity-transform	3.3.4	MIT License
vue-router	4.2.4	MIT License
vue-runtime-core	3.3.4	MIT License
vue-runtime-dom	3.3.4	MIT License
vue-server-renderer	3.3.4	MIT License
vue-shared	3.3.4	MIT License
vue-test-utils	2.4.1	MIT License
vue-tsc	1.8.8	MIT License
vue-tsconfig	0.1.3	MIT License
vue-typescript	1.8.8	MIT License
vue.js	3.3.4	MIT License
vuejs/vue	2.7.14	MIT License
w3c-xmlserializer	4.0.0	MIT License
webidl-conversions	7.0.0	BSD 2-clause "Simplified" License
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webpack-virtual-modules	0.5.0	MIT License
whatwg-encoding	2.0.0	MIT License

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whatwg-url	11.0.0	MIT License
which	1.3.1	ISC License
which	2.0.2	ISC License
which-boxed-primitive	1.0.2	MIT License
which-typed-array	1.1.11	MIT License
why-is-node-running	2.2.2	MIT License
wmi	1.2.2	MIT License
wrappy	1.0.2	ISC License
xerrors	20220907-snapshot-04be3eba	BSD 3-clause "New" or "Revised" License
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xmlchars	2.2.0	MIT License
yallist	4.0.0	ISC License
yaml	1.10.2	ISC License
yaml	2.3.1	ISC License
yaml for Go	2.4.0	Apache License 2.0
yaml for Go	3.0.1	(MIT License AND Apache License 2.0)
yaml-eslint-parser	0.3.2	MIT License
yocto-queue	0.1.0	MIT License
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- Traps Agent and Traps Endpoint Security Manager 4.1 OSS Listing
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- Traps Agent and Traps Endpoint Security Manager 3.4 OSS Listing
- Traps Agent and Traps Endpoint Security Manager 3.3 OSS Listing
- Traps Agent and Traps Endpoint Security Manager 3.2 OSS Listing

Traps Agent 5.0 OSS Listing

NAME	VERSION	LICENSE TYPE
macOS and Linux Operating Systems		
boost	1.6.0	Boost v1
BoringSSL	BoringSSL of gRPC 1.0.0	Dual BSD
gflags	2.1.1	BSD
glibc (Linux OS only)	2.19	LGPL
gRPC	1.0.0	BSD
LevelDB	1.18	BSD
LOOP	2.3 beta	MIT
Lua	5.3.4	MIT
Nanopb	0.3.4	BSD
openssl	1.0.2k	Dual BSD
POCO	1.7.8	Boost v1
protobuf	3.2.0	BSD
Security Framework	57337.60.2	Apple OS
snappy	1.1.3	BSD
zlib	1.2.8	BSD
Windows Operating Systems		
Antlr	3.4.1.9004	BSD
ASP.NET MVC	4.0.30506.0	Apache
ASP.NET Razor	2.0.30506.0	Apache
Automapper	3.0.0.0	MIT/BSD
BEA Engine	4 rev 172	LGPLv3

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NAME	VERSION	LICENSE TYPE
BoringSSL	BoringSSL of gRPC 1.4.0	Apache 2.0 and ISC
Cassia	1.0.0.0	MIT/BSD
CommonServiceLocator	1.0.0.0	MS-PL
CommonServiceLocator.SimpleInjectorAdapter	2.3.0	MIT
DbgHelp.dll	6.12.2.633	MS Proprietary
DotNetZipLib	1.9.1.8	MS-PL
Extended.WpfToolkit	2.0.0	MS-PL
Fluent NHibernate	2.0.1.0	MIT/BSD
FluentMigrator	1.1.1.0	Apache
gRPC	1.4.0	Apache 2.0
jQuery	1.9.1	MIT/BSD
Json.net	6.0.8	MIT/BSD
knockout	3.2.0	MIT/BSD
lesi.collections	3.3.1.4000	LGPLv2.1
LevelDB	1.20	BSD
LINQ	3.3.3.GA	MS-PL
LOOP	2.3 beta	MIT
Lua	5.3.4	MIT
Microsoft.AspNet.Identity.Core	2.2.0	MS-PL
Microsoft.AspNet.Identity.Owin	2.2.0	MS-PL
Microsoft.AspNet.WebApi	5.2.3	MS-PL
Microsoft.AspNet.Web.Optimization	1.1.0	MS-PL
Microsoft.AspNet.WebPages	2.0.30506	MS-PL
Microsoft.Owin	3.0.1	MS-PL

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NAME	VERSION	LICENSE TYPE
Microsoft.Tpl.Dataflow	4.5.24	MS-PL
Microsoft.Web.Infrastructure	1.0.0	MS-PL
miniz	1.15	Public Domain
Mvc4Futures	4.0.20710	MS-PL
MvcContrib	3.0.0.99	Apache
MvcSitemapProvider	4.4.0	MS-PL
MvvmLight	4.2.30.23173	MIT/BSD
Nanopb	0.3.4	BSD
Newtonsoft.Json	7.0.1	MIT
NHibernate	4.0.3.GA	LGPLv3
NLog	2.0.0.0	MIT/BSD
Nlog.Targets.Syslog	2.0.0.0	Apache
openssl	1.0.2	Apache 2.0
OWIN	1.0.0	Apache
PixelLab	6.0.2	MIT/BSD
POCO	1.7.8	Boost v1
POLE	0.5.3	BSD
Prism	1.4.4	MS-PL
protobuf	3.3.0	BSD
protobuf-net	2.0.0.668	Apache/BSD
RazorEngine	3.3.0	MS-PL
re2		BSD
RestSharp	104.1.0.0	Apache
Sharp Serializer	2.18.0.0	Sharp Serializer
SharpBITS	2.1.0	BSD

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NAME	VERSION	LICENSE TYPE
Simple Injector	1.61, 2.8.0	MIT/BSD
sqlite	1.0.86.0, 1.0.82.0	Public Domain
TaskScheduler	2.6.5	MIT
WebActivator	1.4.4	MS-PL
WebGrease	1.5.2	Apache
WPFToolkit	3.4.40211.1	MS-PL

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Traps Agent and Traps Endpoint Security Manager 4.2 OSS Listing

NAME	VERSION	LICENSE TYPE
macOS and Linux Operating Systems		
boost	1.6.0	Boost v1
BoringSSL	BoringSSL of gRPC 1.0.0	Dual BSD
gflags	2.1.1	BSD
glibc (Linux OS only)	2.19	LGPL
gRPC	1.0.0	BSD
LevelDB	1.18	BSD
Nanopb	0.3.4	BSD
openssl	1.0.2k	Dual BSD
POCO	1.7.8	Boost v1
protobuf	3.2.0	BSD
Security Framework	57337.60.2	Apple OS
snappy	1.1.3	BSD
zlib	1.2.8	BSD
Windows Operating Systems		
Antlr	3.4.1.9004	BSD
ASP.NET MVC	4.0.30506.0	Apache
ASP.NET Razor	2.0.30506.0	Apache
Automapper	3.0.0.0	MIT/BSD
BEA Engine	4 rev 172	LGPLv3
Cassia	1.0.0.0	MIT/BSD

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NAME	VERSION	LICENSE TYPE
CommonServiceLocator	1.0.0.0	MS-PL
CommonServiceLocator.SimpleInjectorAdapter	2.3.0	MIT
DbgHelp.dll	6.12.2.633	MS Proprietary
DotNetZipLib	1.9.1.8	MS-PL
Extended.WpfToolkit	2.0.0	MS-PL
Fluent NHibernate	2.0.1.0	MIT/BSD
FluentMigrator	1.1.1.0	Apache
jQuery	1.9.1	MIT/BSD
Json.net	6.0.8	MIT/BSD
knockout	3.2.0	MIT/BSD
lesi.collections	3.3.1.4000	LGPLv2.1
LINQ	3.3.3.GA	MS-PL
Microsoft.AspNet.Identity.Core	2.2.0	MS-PL
Microsoft.AspNet.Identity.Owin	2.2.0	MS-PL
Microsoft.AspNet.WebApi	5.2.3	MS-PL
Microsoft.AspNet.Web.Optimization	1.1.0	MS-PL
Microsoft.AspNet.WebPages	2.0.30506	MS-PL
Microsoft.Owin	3.0.1	MS-PL
Microsoft.Tpl.Dataflow	4.5.24	MS-PL
Microsoft.Web.Infrastructure	1.0.0	MS-PL
miniz	1.15	Public Domain
Mvc4Futures	4.0.20710	MS-PL
MvcContrib	3.0.0.99	Apache
MvcSitemapProvider	4.4.0	MS-PL
MvvmLight	4.2.30.23173	MIT/BSD

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NAME	VERSION	LICENSE TYPE
Newtonsoft.Json	7.0.1	MIT
NHibernate	4.0.3.GA	LGPLv3
NLog	2.0.0.0	MIT/BSD
Nlog.Targets.Syslog	2.0.0.0	Apache
OWIN	1.0.0	Apache
PixelLab	6.0.2	MIT/BSD
POLE	0.5.3	BSD
Prism	1.4.4	MS-PL
protobuf-net	2.0.0.668	Apache/BSD
RazorEngine	3.3.0	MS-PL
re2		BSD
RestSharp	104.1.0.0	Apache
Sharp Serializer	2.18.0.0	Sharp Serializer
SharpBITS	2.1.0	BSD
Simple Injector	1.61, 2.8.0	MIT/BSD
sqlite	1.0.86.0, 1.0.82.0	Public Domain
TaskScheduler	2.6.5	MIT
WebActivator	1.4.4	MS-PL
WebGrease	1.5.2	Apache
WPFToolkit	3.4.40211.1	MS-PL

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Traps Agent and Traps Endpoint Security Manager 4.1 OSS Listing

NAME	VERSION	LICENSE TYPE
macOS Operating Systems		
boost	1.6.0	Boost v1
BoringSSL	BoringSSL of gRPC 1.0.0	Dual BSD
gflags	2.1.1	BSD
googlemock	1.7.0	BSD
googletest	1.7.0	BSD
gRPC	1.0.0	BSD
LevelDB	1.18	BSD
Nanopb	0.3.4	BSD
openssl	1.0.2k	Dual BSD
POCO	1.7.8	Boost v1
protobuf	3.2.0	BSD
Security Framework	57337.60.2	Apple OS
snappy	1.1.3	BSD
zlib	1.2.8	BSD
Windows Operating Systems		
Antlr	3.4.1.9004	BSD
ASP.NET MVC	4.0.30506.0	Apache
ASP.NET Razor	2.0.30506.0	Apache
Automapper	3.0.0.0	MIT/BSD
BEA Engine	4 rev 172	LGPLv3

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NAME	VERSION	LICENSE TYPE
Cassia	1.0.0.0	MIT/BSD
CommonServiceLocator	1.0.0.0	MS-PL
CommonServiceLocator.SimpleInjectorAdapter	2.3.0	MIT
DbgHelp.dll	6.12.2.633	MS Proprietary
DotNetZipLib	1.9.1.8	MS-PL
Extended.WpfToolkit	2.0.0	MS-PL
Fluent NHibernate	2.0.1.0	MIT/BSD
FluentMigrator	1.1.1.0	Apache
jQuery	1.9.1	MIT/BSD
Json.net	6.0.8	MIT/BSD
knockout	3.2.0	MIT/BSD
lesi.collections	3.3.1.4000	LGPLv2.1
LINQ	3.3.3.GA	MS-PL
Microsoft.AspNet.Identity.Core	2.2.0	MS-PL
Microsoft.AspNet.Identity.Owin	2.2.0	MS-PL
Microsoft.AspNet.WebApi	5.2.3	MS-PL
Microsoft.AspNet.Web.Optimization	1.1.0	MS-PL
Microsoft.AspNet.WebPages	2.0.30506	MS-PL
Microsoft.Owin	3.0.1	MS-PL
Microsoft.Tpl.Dataflow	4.5.24	MS-PL
Microsoft.Web.Infrastructure	1.0.0	MS-PL
miniz	1.15	Public Domain
Mvc4Futures	4.0.20710	MS-PL
MvcContrib	3.0.0.99	Apache
MvcSitemapProvider	4.4.0	MS-PL

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NAME	VERSION	LICENSE TYPE
MvvmLight	4.2.30.23173	MIT/BSD
Newtonsoft.Json	7.0.1	MIT
NHibernate	4.0.3.GA	LGPLv3
NLog	2.0.0.0	MIT/BSD
Nlog.Targets.Syslog	2.0.0.0	Apache
OWIN	1.0.0	Apache
PixelLab	6.0.2	MIT/BSD
POLE	0.5.3	BSD
Prism	1.4.4	MS-PL
protobuf-net	2.0.0.668	Apache/BSD
RazorEngine	3.3.0	MS-PL
re2		BSD
RestSharp	104.1.0.0	Apache
Sharp Serializer	2.18.0.0	Sharp Serializer
SharpBITS	2.1.0	BSD
Simple Injector	1.61, 2.8.0	MIT/BSD
sqlite	1.0.86.0, 1.0.82.0	Public Domain
TaskScheduler (4.1.2 & later releases)	2.6.5	MIT
WebActivator	1.4.4	MS-PL
WebGrease	1.5.2	Apache
WPFToolkit	3.4.40211.1	MS-PL

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Traps Agent and Traps Endpoint Security Manager 4.0 OSS Listing

NAME	VERSION	LICENSE TYPE	USAGE
macOS Operating Systems			
boost	1.6.0	Boost v1	Boost C++ library
BoringSSL	BoringSSL of gRPC 1.0.0	Dual BSD	Google's custom version of OpenSSL
gflags	2.1.1	BSD	Global Flags Editor (gflags) enables and disables advanced debugging, diagnostic, and troubleshooting features
googlemock	1.7.0	BSD	Google C++ mocking framework
googletest	1.7.0	BSD	Google C++ testing framework
gRPC	1.0.0	BSD	A high performance RPC framework
LevelDB	1.18	BSD	Fast key-value storage library for saving persistent data on the endpoints
Nanopb	0.3.4	BSD	Protocol Buffers with small code size
openssl	1.0.2k	Dual BSD	A general purpose cryptography library with TLS implementation
POCO	1.7.8	Boost v1	C++ class libraries for building network- and internet-based applications that run on desktop, server, mobile and embedded systems
protobuf	3.2.0	BSD	Protocol Buffers used to serialize structured data
Security Framework	57337.60.2	Apple OS	Interfaces for system-level user authentication and authorization

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NAME	VERSION	LICENSE TYPE	USAGE
snappy	1.1.3	BSD	High-speed compression and decompression library
TFC	Per Misha, we will not disclose this one until he consults with Legal and/or others about what we can/should say (the less the better).	BSD-style	A single component from Pedro Vilaça's project to extract kernel symbols in runtime
zlib	1.2.8	BSD	The zlib compression and decompression library
Windows Operating Systems			
Antlr	3.4.1.9004	BSD	ANTLR (ANother Tool for Language Recognition) is a powerful parser generator for reading, processing, executing, or translating structured text or binary files.
ASP.NET MVC	4.0.30506.0	Apache	ASP.NET MVC framework
ASP.NET Razor	2.0.30506.0	Apache	ASP.NET Razor framework
Automapper	3.0.0.0	MIT/BSD	Object-to-Object mapping library
BEA Engine	4 rev 172	LGPLv3	Disassembly of code in memory
Cassia	1.0.0.0	MIT/BSD	.NET library for accessing the native Windows Terminal Services API
CommonServiceLocator	1.0.0.0	MS-PL	Interface for service location over IoC containers
CommonServiceLocator.SimpleInjectorAdapter	2.3.0	MIT	An adapter to implement CommonServiceLocator on top of the Simple Injector
DotNetZipLib	1.9.1.8	MS-PL	ZIP library for .NET

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NAME	VERSION	LICENSE TYPE	USAGE
Extended.WpfToolkit	2.0.0	MS-PL	Collection of WPF controls
Fluent NHibernate	2.0.1.0	MIT/BSD	Database mappings for Nhibernate
FluentMigrator	1.1.1.0	Apache	Database migration plug-in for .NET
jQuery	1.9.1	MIT/BSD	A fast, small, and feature-rich JavaScript library
Json.net	6.0.8	MIT/BSD	JSON framework for .NET
knockout	3.2.0	MIT/BSD	A JavaScript library for creating a responsive user interface
lesi.collections	3.3.1.4000	LGPLv2.1	Collection extension for .NET
LINQ	3.3.3.GA	MS-PL	Extended query capabilities for .NET
Microsoft.AspNet.Identity.Core	2.2.0	MS-PL	Core interfaces for ASP.NET Identity
Microsoft.AspNet.Identity.Owin	2.2.0	MS-PL	Owin implementation for ASP.NET Identity
Microsoft.AspNet.WebApi	5.2.3	MS-PL	Package for hosting ASP.NET Web API on IIS
Microsoft.AspNet.Web.Optimization	1.1.0	MS-PL	A tool to bundle and optimize CSS and JavaScript files
Microsoft.AspNet.WebPages	2.0.30506	MS-PL	Core runtime assemblies shared between ASP.NET MVC and ASP.NET Web Pages
Microsoft.Owin	3.0.1	MS-PL	Set of helper types and abstractions for simplifying the creation of OWIN components
Microsoft.Tpl.Dataflow	4.5.24	MS-PL	TPL design patterns
Microsoft.Web.Infrastructure	1.0.0	MS-PL	HTTP modules

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NAME	VERSION	LICENSE TYPE	USAGE
miniz	1.15	Public Domain	Zip library
Mvc4Futures	4.0.20710	MS-PL	Unsupported prototypes for ASP.NET MVC
MvcContrib	3.0.0.99	Apache	MVC UI extension
MvcSitemapProvider	4.4.0	MS-PL	ASP.NET MVC SiteMapProvider implementation for the ASP.NET MVC framework
MvvmLight	4.2.30.23173	MIT/BSD	XAML MVVM library
Newtonsoft.Json	7.0.1	MIT	JSON library
Nhibernate	4.0.3.GA	LGPLv3	Object-relational mapper for the .NET framework
NLog	2.0.0.0	MIT/BSD	Logging library
Nlog.Targets.Syslog	2.0.0.0	Apache	A Syslog target for NLog
OWIN	1.0.0	Apache	Open web interface for .NET between web servers and web applications
PixelLab	6.0.2	MIT/BSD	A collection of helpers and controls for WPF
POLE	0.5.3	BSD	Portable OLE library for structured storage
Prism	1.4.4	MS-PL	WPF extension library
protobuf-net	2.0.0.668	Apache/ BSD	Protocol buffer API for .NET
RazorEngine	3.3.0	MS-PL	A templating engine for parsing messages for reporting (SIEM)
re2		BSD	Regular expression library
RestSharp	104.1.0.0	Apache	REST and HTTP client for .NET

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NAME	VERSION	LICENSE TYPE	USAGE
Sharp Serializer	2.18.0.0	Sharp Serializer	XML and binary serialization for .NET and Silverlight
SharpBITS	2.1.0	BSD	BITS API wrapper
Simple Injector	1.61, 2.8.0	MIT/BSD	.NET Inversion of Control Library
sqlite	1.0.86.0, 1.0.82.0	Public Domain	Library that implements an embeddable SQLite in-process database engine
WebActivator	1.4.4	MS-PL	Code execution plug-in for web apps
WebGrease	1.5.2	Apache	Optimization suite for JavaScript and CSS
WPFToolkit	3.4.40211.1	MS-PL	Windows Presentation Foundation

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Traps Agent and Traps Endpoint Security Manager 3.4 OSS Listing

NAME	VERSION	LICENSE TYPE	USAGE
RazorEngine	3.3.0	MS-PL	A templating engine for parsing messages for reporting (SIEM)
OWIN	1.0.0	Apache	Open web interface for .NET between web servers and web applications
Simple Injector	1.61, 2.8.0	MIT/BSD	.NET Inversion of Control Library
NLog	2.0.0.0	MIT/BSD	Logging library
Cassia	1.0.0.0	MIT/BSD	.NET library for accessing the native Windows Terminal Services API
Fluent NHibernate	2.0.1.0	MIT/BSD	Database mappings for Nhibernate
jQuery	1.9.1	MIT/BSD	A fast, small, and feature-rich JavaScript library
knockout	3.2.0	MIT/BSD	A JavaScript library for creating a responsive user interface
Json.net	6.0.8	MIT/BSD	JSON framework for .NET
PixelLab	6.0.2	MIT/BSD	A collection of helpers and controls for WPF
MvvmLight	4.2.30.23173	MIT/BSD	XAML MVVM library
Automapper	3.0.0.0	MIT/BSD	Object-to-Object mapping library
MvcContrib	3.0.0.99	Apache	MVC UI extension
Nlog.Targets.Syslog	2.0.0.0	Apache	A Syslog target for NLog
FluentMigrator	1.1.1.0	Apache	Database migration plug-in for .NET

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NAME	VERSION	LICENSE TYPE	USAGE
RestSharp	104.1.0.0	Apache	REST and HTTP client for .NET
WebGrease	1.5.2	Apache	Optimization suite for JavaScript and CSS
ASP.NET MVC	4.0.30506.0	Apache	ASP.NET MVC framework
ASP.NET Razor	2.0.30506.0	Apache	ASP.NET Razor framework
lesi.collections	3.3.1.4000	LGPLv2.1	Collection extension for .NET
BEA Engine	4 rev 172	LGPLv3	Disassembly of code in memory
Nhibernate	4.0.3.GA	LGPLv3	Object-relational mapper for the .NET framework
Sharp Serializer	2.18.0.0	Sharp Serializer	XML and binary serialization for .NET and Silverlight
LINQ	3.3.3.GA	MS-PL	Extended query capabilities for .NET
DotNetZipLib	1.9.1.8	MS-PL	ZIP library for .NET
MvcSitemapProvider	4.4.0	MS-PL	ASP.NET MVC SiteMapProvider implementation for the ASP.NET MVC framework
WPFToolkit	3.4.40211.1	MS-PL	Windows Presentation Foundation
WebActivator	1.4.4	MS-PL	Code execution plug-in for web apps
Prism	1.4.4	MS-PL	WPF extension library
CommonServiceLocator	1.0.0	MS-PL	Interface for service location over IoC containers
sqlite	1.0.86.0, 1.0.82.0	Public Domain	Library that implements an embeddable SQLite in-process database engine

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Traps Agent and Traps Endpoint Security Manager 3.3 OSS Listing

NAME	VERSION	LICENSE TYPE	USAGE
RazorEngine	3.3.0	MS-PL	A templating engine for parsing messages for reporting (SIEM)
OWIN	1.0.0	Apache	Open web interface for .NET between web servers and web applications
Simple Injector	1.61, 2.8.0	MIT/BSD	.NET Inversion of Control Library
NLog	2.0.0.0	MIT/BSD	Logging library
Cassia	1.0.0.0	MIT/BSD	.NET library for accessing the native Windows Terminal Services API
Fluent NHibernate	2.0.1.0	MIT/BSD	Database mappings for Nhibernate
jQuery	1.9.1	MIT/BSD	A fast, small, and feature-rich JavaScript library
knockout	3.2.0	MIT/BSD	A JavaScript library for creating a responsive user interface
Json.net	6.0.8	MIT/BSD	JSON framework for .NET
PixelLab	6.0.2	MIT/BSD	A collection of helpers and controls for WPF
MvvmLight	4.2.30.23173	MIT/BSD	XAML MVVM library
Automapper	3.0.0.0	MIT/BSD	Object-to-Object mapping library
MvcContrib	3.0.0.99	Apache	MVC UI extension
Nlog.Targets.Syslog	2.0.0.0	Apache	A Syslog target for NLog
FluentMigrator	1.1.1.0	Apache	Database migration plug-in for .NET

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NAME	VERSION	LICENSE TYPE	USAGE
RestSharp	104.1.0.0	Apache	REST and HTTP client for .NET
WebGrease	1.5.2	Apache	Optimization suite for JavaScript and CSS
ASP.NET MVC	4.0.30506.0	Apache	ASP.NET MVC framework
ASP.NET Razor	2.0.30506.0	Apache	ASP.NET Razor framework
lesi.collections	3.3.1.4000	LGPLv2.1	Collection extension for .NET
BEA Engine	4 rev 172	LGPLv3	Disassembly of code in memory
Nhibernate	4.0.3.GA	LGPLv3	Object-relational mapper for the .NET framework
Sharp Serializer	2.18.0.0	Sharp Serializer	XML and binary serialization for .NET and Silverlight
LINQ	3.3.3.GA	MS-PL	Extended query capabilities for .NET
DotNetZipLib	1.9.1.8	MS-PL	ZIP library for .NET
MvcSitemapProvider	4.4.0	MS-PL	ASP.NET MVC SiteMapProvider implementation for the ASP.NET MVC framework
WPFToolkit	3.4.40211.1	MS-PL	Windows Presentation Foundation
WebActivator	1.4.4	MS-PL	Code execution plug-in for web apps
Prism	1.4.4	MS-PL	WPF extension library
CommonServiceLocator	1.0.0	MS-PL	Interface for service location over IoC containers
sqlite	1.0.86.0, 1.0.82.0	Public Domain	Library that implements an embeddable SQLite in-process database engine

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Traps Agent and Traps Endpoint Security Manager 3.2 OSS Listing

NAME	VERSION	LICENSE TYPE	USAGE
Simple Injector	1.61, 2.31	MIT/BSD	.NET Inversion of Control Library
NLog	2.0.0.0	MIT/BSD	Logging library
Cassia	1.0.0.0	MIT/BSD	.NET library for accessing the native Windows Terminal Services API
Fluent NHibernate	1.3.0.0	MIT/BSD	Database mappings for Nhibernate
jQuery	1.9.1	MIT/BSD	A fast, small, and feature-rich JavaScript library
knockout	3.2.0	MIT/BSD	A JavaScript library for creating a responsive user interface
Json.net	5.0.6	MIT/BSD	JSON framework for .NET
PixelLab	6.0.2	MIT/BSD	A collection of helpers and controls for WPF
MvvmLight	4.2.30.23173	MIT/BSD	XAML MVVM library
Automapper	3.0.0.0	MIT/BSD	Object-to-Object mapping library
MvcContrib	3.0.0.99	Apache	MVC UI extension
Nlog.Targets.Syslog	2.0.0.0	Apache	A Syslog target for NLog
FluentMigrator	1.1.1.0	Apache	Database migration plug-in for .NET
RestSharp	104.1.0.0	Apache	REST and HTTP client for .NET
WebGrease	1.5.2	Apache	Optimization suite for JavaScript and CSS
ASP.NET MVC	4.0.30506.0	Apache	ASP.NET MVC framework

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NAME	VERSION	LICENSE TYPE	USAGE
ASP.NET Razor	2.0.30506.0	Apache	ASP.NET Razor framework
lesi.collections	3.3.1.4000	LGPLv2.1	Collection extension for .NET
BEA Engine	4 rev 172	LGPLv3	Disassembly of code in memory
Nhibernate	3.3.3.GA	LGPLv3	Object-relational mapper for the .NET framework
Sharp Serializer	2.18.0.0	Sharp Serializer	XML and binary serialization for .NET and Silverlight
LINQ	3.3.3.GA	MS-PL	Extended query capabilities for .NET
DotNetZipLib	1.9.1.8	MS-PL	ZIP library for .NET
MvcSitemapProvider	4.4.0	MS-PL	ASP.NET MVC SiteMapProvider implementation for the ASP.NET MVC framework
WPFToolkit	3.4.40211.1	MS-PL	Windows Presentation Foundation
WebActivator	1.4.4	MS-PL	Code execution plug-in for web apps
Prism	1.4.4	MS-PL	WPF extension library
CommonServiceLocator	1.0.0.0	MS-PL	Interface for service location over IoC containers
sqlite	1.0.86.0, 1.0.82.0	Public Domain	Library that implements an embeddable SQLite in-process database engine

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