Dell EMC PowerProtect Cyber Recovery

Version 19.2

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•	Carnegie Mellon University License	
•	curl License	26
•	DHCP License	27
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Open source components

Ths following table lists the open source components that are used in Cyber Recovery:

Table 1 Open source components

OSS title	Title version	License name/version number
Apache HTTP Server	2.4.38	Apache License 2.0
docker-registry	2.5.1	Apache License 2.0
Go Logrus	20190501-snapshot	Apache License 2.0
golang-mock	v1.2.0	Apache License 2.0
grpc-go	v1.13.0	Apache License 2.0
MongoDB	4.0.9	Apache License 2.0
spf13-pflag	20190409-snapshot	Apache License 2.0
swagger-ui	3.22.1	Apache License 2.0
rsyslog	8.4.2	Apache License 2.0 AND GNU General Public License v3.0 or later
base-files	9.4ubuntu4.8	Artistic License 1.0 (Perl) OR GNU General Public License v2.0 or later
libcpanplus-perl	0.9176	Artistic License 1.0 OR GNU General Public License v1.0 or later
libextutils-parsexs-perl	3.15	Artistic License 1.0 OR GNU General Public License v1.0 or later
Perl	5.18.2	Artistic License 1.0 OR GNU General Public License v1.0 or later
Perl	5.22.1	Artistic License 1.0 OR GNU General Public License v1.0 or later
debconf	1.5.58ubuntu1	BSD 2-clause "Simplified" License
liblogging0	1.0.4	BSD 2-clause "Simplified" License
lz4	0.0~r131	BSD 2-clause "Simplified" License
file	5.22	BSD 2-clause "Simplified" License
raymondjacobson/mgo	20190402-snapshot	BSD 2-clause "Simplified" License
golang.org/x/crypto	20190401-snapshot-a5d413f7	BSD 3-clause "New" or "Revised" License
golang.org/x/crypto	20190417-snapshot	BSD 3-clause "New" or "Revised" License
golang.org/x/text	20190429-snapshot-342b2e1f	BSD 3-clause "New" or "Revised" License
google/goexpect	20180322-snapshot	BSD 3-clause "New" or "Revised" License
google/goterm	20190408-snapshot-ce302be1	BSD 3-clause "New" or "Revised" License

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Gorilla Web Toolkit	20181225-snapshot	BSD 3-clause "New" or "Revised" License
Gorilla Web Toolkit	v1.7.1	BSD 3-clause "New" or "Revised" License
Heimdal Kerberos	1.7~git20150920+dfsg	BSD 3-clause "New" or "Revised" License
init-system-helpers	1.29ubuntu4	BSD 3-clause "New" or "Revised" License
libdb-4_8	4.8.30	BSD 3-clause "New" or "Revised" License
libevent-2_0-5	2.0.21	BSD 3-clause "New" or "Revised" License
libp11-kit-dev	0.20.3	BSD 3-clause "New" or "Revised" License
libp11-kit-dev	0.23.2	BSD 3-clause "New" or "Revised" License
libsolv-devel	0.6.32	BSD 3-clause "New" or "Revised" License
libwebp-dev	1.0.0	BSD 3-clause "New" or "Revised" License
libwebp-dev	1.0.1	BSD 3-clause "New" or "Revised" License
Linux-Pam	1.3.0	BSD 3-clause "New" or "Revised" License
p11-kit	0.20.3	BSD 3-clause "New" or "Revised" License
p11-kit-trust	0.23.1	BSD 3-clause "New" or "Revised" License
PCRE	8.39	BSD 3-clause "New" or "Revised" License
Shadow Tool Suite	4.2.1	BSD 3-clause "New" or "Revised" License
libtirpc	1.0.1	BSD 3-clause "New" or "Revised" License AND Sun Industry Standards Source License v1.1
RPCBind	0.2.3	BSD 3-clause "New" or "Revised" License OR BSD 4-clause "Original" or "Old" License OR GNU General Public License v3.0 or later
ncurses-bin	6.0+20161126	BSD 3-clause "New" or "Revised" License OR MIT License)

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libsasl2-3	2.1.26	BSD 4-clause "Original" or "Old" License
bzip2	1.0.6	Bzip2 License
Cyrus SASL	2.1.26	Carnegie Mellon University License
cURL	7.37.0	curl License
cronie	1.4.11	DHCP License AND BSD 3-clause "New" or "Revised" License
GD	2.2.5	GD License
Berkeley DB	5.3.28	GNU Affero General Public License v3.0
GNU C Library	2.22	GNU Free Documentation License v1.1
findutils	4.6.0+git+20160126	GNU Free Documentation License v1.2 OR GNU Free Documentation License v1.3 OR GNU General Public License v3.0 or later
makedev	2.3.1	GNU General Public License v1.0 only
alpine-baselayout	2.1.1	GNU General Public License v2.0 only
alpine-baselayout	3.1.0	GNU General Public License v2.0 only
apk-tools	2.6.10	GNU General Public License v2.0 only
BusyBox	1.29.3	GNU General Public License v2.0 only
gzip	1.8	GNU General Public License v2.0 only
iproute2	4.4	GNU General Public License v2.0 only
pam-config	0.91	GNU General Public License v2.0 only
PaX Utilities	0.9.1	GNU General Public License v2.0 only
PaX Utilities	1.2.3	GNU General Public License v2.0 only
NFS	1.3.0	GNU General Public License v2.0 or later AND GNU General Public License v2.0 or later AND BSD 3-

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device-mapper	1.02.97	GNU General Public License v2.0 only AND GNU Lesser General Public License v2.1 only
libnl-config	3.2.23	GNU General Public License v2.0 only AND GNU Lesser General Public License v2.1 only
RPM	4.11.2	GNU General Public License v2.0 or later AND GNU Lesser General Public License v2.1 or later
GMP	6.1.0	GNU General Public License v2.0 only AND GNU Lesser General Public License v3.0 or later
libcap2	2.24	GNU General Public License v2.0 only OR BSD 3-clause "New" or "Revised" License
devmapper	1.02.110	GNU General Public License v2.0 only OR GNU General Public License v2.0 or later OR GNU Lesser General Public License v2.1 or later OR GNU Lesser General Public License v2.1 only
LVM2	1.02.110	GNU General Public License v2.0 only OR GNU General Public License v2.0 or later OR GNU Lesser General Public License v2.1 or later OR GNU Lesser General Public License v2.1 only
adduser	3.113+nmu3ubuntu4	GNU General Public License v2.0 or later
apt - Advanced Package Tool	1.2.29 ubuntu0.1	GNU General Public License v2.0 or later
Audit	2.3. 6	GNU General Public License v2.0 or later
Audit	2.4.5	GNU General Public License v2.0 or later
base-passwd	3.5.39	GNU General Public License v2.0 or later
bash-completion	2.1	GNU General Public License v2.0 or later
bsdutils	2.29.2	GNU General Public License v2.0 or later

Table 1 Oper	source components	(continued)
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OSS title	Title version	License name/version number
debianutils	4.8.4	GNU General Public License v2.0 or later
dpkg	1.18.4ubuntu1.5	GNU General Public License v2.0 or later
hostname	3.16ubuntu2	GNU General Public License v2.0 or later
insserv	1.14.0	GNU General Public License v2.0 or later
IPTables	1.4.21	GNU General Public License v2.0 or later
kbd	1.15.5	GNU General Public License v2.0 or later
libapparmor-perl	2.10.95	GNU General Public License v2.0 or later
libapparmor-perl	2.8.2	GNU General Public License v2.0 or later
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libmnl0	1.0.3	GNU General Public License v2.0 or later
libustr-1.0-1	1.0.4	GNU General Public License v2.0 or later
logrotate	3.8.7	GNU General Public License v2.0 or later
mawk r	1.3.3	GNU General Public License v2.0 or later
ca-certificates	1_201403302107	GNU General Public License v2.0 or later
libnettle	3.2	GNU General Public License v2.0 or later
module-init-tools	25	GNU General Public License v2.0 or later
openSUSE Linux	1.13.40	GNU General Public License v2.0 or later
openSUSE Linux	1.13.45	GNU General Public License v2.0 or later
openSUSE Linux	13.2+git20140911.61c1681	GNU General Public License v2.0 or later
openSUSE Linux	16.19.0	GNU General Public License v2.0 or later

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openSUSE-wicked	0.6.40	GNU General Public License v2.0 or later
sed	4.2.2	GNU General Public License v2.0 or later
sensible-utils	0.0.9ubuntu0.16.04.1	GNU General Public License v2.0 or later
sysconfig	0.84.0	GNU General Public License v2.0 or later
sysconfig-netconfig	0.84.0	GNU General Public License v2.0 or later
sysklogd	2.0	GNU General Public License v2.0 or later
sysvinit	2.88dsf	GNU General Public License v2.0 or later
traceroute	2.0.19	GNU General Public License v2.0 or later
ubuntu-keyring	2012.05.19	GNU General Public License v2.0 or later
util-linux	2.27.1	GNU General Public License v2.0 or later
util-linux	2.28	GNU General Public License v2.0 or later
D-Bus	1.8.22	GNU General Public License v2.0 or later AND Academic Free License v2.1
Linux-Pam	1.3.1	GNU General Public License v2.0 or later AND BSD 3-clause "New" or "Revised" License
Cron	4.2	GNU General Public License v2.0 or later AND BSD 3-clause "New" or "Revised" License AND MIT License
dracut	044.1	GNU General Public License v2.0 or later AND GNU Lesser General Public License v2.1 or later
GNU C Library	2.23	GNU General Public License v2.0 or later AND GNU Lesser General Public License v2.1 or later
libgcrypt	1.6.1	GNU General Public License v2.0 or later AND GNU Lesser General Public License v2.1 or later

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Linux Unified Key Setup	1.6.4	GNU General Public License v2.0 or later AND GNU Lesser General Public License v2.1 or later
Linux Unified Key Setup	1.6.6	GNU General Public License v2.0 or later AND GNU Lesser General Public License v2.1 or later
module-init-tools	17	GNU General Public License v2.0 or later AND GNU Lesser General Public License v2.1 or later
XZ Utils	5.1.1alpha+20120614	GNU General Public License v2.0 or later AND GNU Lesser General Public License v2.1 or later AND Public Domain AND GNU General Public License v3.0 or later
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tar-doc	1.27.1	GNU General Public License v2.0 or later OR GNU Free Documentation License v1.1
diff	3.3	GNU General Public License v2.0 or later OR GNU Free Documentation License v1.1 OR GNU Free Documentation License v1.3 OR GNU General Public License v3.0 or later
binutils-aarch64-linux-gnu:	2.31.1	GNU General Public License v2.0 or later OR GNU Free Documentation License v1.3 OR GNU General Public License v3.0 or later
The FreeType Project	2.9.1	GNU General Public License v2.0 or later OR Freetype Project License
Adjtimex	1.29	GNU General Public License v2.0 or later OR GNU General Public License v1.0 only
GNU-Time-Program	1.7	GNU General Public License v2.0 or later OR GNU General Public License v1.0 only
module-init-tools	22	GNU General Public License v2.0 or later OR GNU Lesser General Public License v2.1 or later
attr_*	2.4.47	GNU General Public License v2.0 or later OR GNU Lesser General Public License v2.1 or later
libnuma-dbg	2.0.11	GNU General Public License v2.0 or later OR GNU Lesser General Public License v2.1 or later
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libsemanage1	2.3	GNU General Public License v2.0 or later OR GNU Lesser General Public License v2.1 or later
libsemanage1	2.5	GNU General Public License v2.0 or later OR GNU Lesser General Public License v2.1 or later

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selinux	2.4	GNU General Public License v2.0 or later OR GNU Lesser General Public License v2.1 or later
rtmpdump	2.4+20151223.gitfa8646d	GNU General Public License v2.0 or later OR GNU Lesser General Public License v2.1 or later
ca-certificates	20171114	GNU General Public License v2.0 or later OR Mozilla Public License 2.0
ca-certificates	20190108	GNU General Public License v2.0 or later OR Mozilla Public License 2.0
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ACL	2.2.52	GNU Lesser General Public License v2.1 or later
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Bash	4.3	GNU General Public License v3.0 or later
Bash	6.3	GNU General Public License v3.0 or later
binutils	2.31.1	GNU General Public License v3.0 or later
DirMngr	1.1.1	GNU General Public License v3.0 or later
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lynx	2.8.8_p2	GNU General Public License v3.0 or later
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libudev-mini1	228	GNU Lesser General Public License v2.1 or later
libusb	0.1.12	GNU Lesser General Public License v2.1 or later
procps	3.3.10	GNU Lesser General Public License v2.1 or later
procps	3.3.9	GNU Lesser General Public License v2.1 or later
systemd	228	GNU Lesser General Public License v2.1 or later
systemd	229	GNU Lesser General Public License v2.1 or later
systemd-bash-completion	228	GNU Lesser General Public License v2.1 or later
systemd-sysvinit	228	GNU Lesser General Public License v2.1 or later
udev	228	GNU Lesser General Public License v2.1 or later
GNU Binutils	2.31	GNU Lesser General Public License v3.0
GnuPG	2.0.18	GNU Lesser General Public License v3.0 or later AND GNU General Public License v3.0 or later
rsyslog	8.4.0	GNU Lesser General Public License v3.0 or later OR GNU General Public License v3.0 or later
libgcrypt	1.8.3	GNU Lesser Public License v3.0 or later
keyutils	1.5.9	GNU Library General Public License v2 or later
libgpg-error	1.30	GNU Library General Public License v2 or later
libguestfs	1.32.4	GNU Library General Public License v2 or later
net-tools	1.60	GNU Library General Public License v2 or later

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pth	2.0.7	GNU Library General Public License v2 or later
qtmoko	gta02-v55	GNU Library General Public License v2 or later
zypper-log	1.13.45	GNU Library General Public License v2 or later
Libtasn1	4.7	GNU Library General Public License v2 or later AND GNU General Public License v3.0 or later
keyutils	1.6	GNU Library General Public License v2 or later AND GNU Library General Public License v2 or later
Libtasn1	3.7	GNU Library General Public License v2.1 or later AND GNU General Public License v3.0 or later
Postfix	2.0.7	IBM Public License v1.0
dnscrypt-proxy	2.0.23	ISC License
libuv	1.23.2	ISC License OR BSD 3-clause "New" or "Revised" License OR MIT License
Node.js	11.1.0	ISC License AND BSD 3-clause "New" or "Revised" License AND Apache License 2.0 AND MIT License
Kerberos	1.12.5	Krb5-MIT License
Kerberos	1.13.2	Krb5-MIT License
alpine-base	3.8.4	MIT License
alpine-keys	2.1	MIT License
c-ares	cares-1_15_0	MIT License
c-jq	1.5	MIT License
Expat XML Parser	2.1.0	MIT License
expat-doc	2.2.5	MIT License
filesystem	13.1	MIT License
Gawk	4.1.0	MIT License
GNU Ncurses	5.9	MIT License
GNU Ncurses	v6_1_20180818	MIT License
go-resty/resty	v1.11.0	MIT License
govalidator	v9	MIT License

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JS-YAML. Native JS port of PyYAML.	3.13.0	MIT License
json-c	0.12	MIT License
kmod-compat	17	MIT License
libcurl	7.37.0	MIT License
libffi	3.2.1	MIT License
libss	1.42.13	MIT License
libxml2	2.9.4	MIT License
libxslt	1.1.32	MIT License
musl	1.1.19	MIT License
musl	1.1.20	MIT License
natefinch/lumberjack	20180224-snapshot	MIT License
ncurses-term	6.0+20171125	MIT License
ncurses-utils 5	5.9	MIT License
pip	9.0.1	MIT License
popt	1,16	MIT License
GNU Ncurses	6.0+20160319	MIT License
robfig/cron	v1	MIT License
setuptools	28.8.0	MIT License
terminfo-base	5.9	MIT License
ca-certificates	20170717~16.04.2	Mozilla Public License 2.0
Mozilla	2.3	Mozilla Public License 2.0
OpenLDAP	2.4.41	Open LDAP Public License v2.8
OpenLDAP	2.4.42	Open LDAP Public License v2.8
LibreSSL Portable Security Libraries	2.7.5	OpenSSL License
OpenSSL	1.0.2g	Open SSL License
OpenSSL	1.0.2h	Open SSL License AND SSLeay License
OpenSSL	1.0.2j	Open SSL License AND SSLeay License
SQLite	3.11.0	Public Domain
SQLite	3.8.10.2	Public Domain
Time Zone Database	2018g	Public Domain

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Python programming language	3.4.6	Python License 2.0
Vim	7.4.326	Vim License
lsof	4.89	zlib License
zlib	1.2.8	zlib License

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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Version 3, 29 June 2007

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Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

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

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PCRE 8.38

PCRE is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language.

Written by: Philip Hazel <ph10@cam.ac.uk>

University of Cambridge Computing Service, Cambridge, England. Phone: +44 1223 334714.

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