

Sierra Wireless Source Licenses

Release 17

Contents

Source Code Licenses – Legato Application Framework	3
Source Code Licenses – Linux Distro	4
Licensing Notes	4
WP76xx Series Modules	4
Licenses	138
Apache-2.0	138
Generic AFL-3	142
Artistic-1.0	146
BSD	148
BSD-2-Clause	149
BSD-3-Clause	150
bzip.2	151
EDL-1.0	152
EPL-1.0	153
GPLv2	157
GPLv3	163
GPL-3.0 GCC exception	175
LGPLv2.1	177
LGPLv3	186
MIT	189
MPL2.0	190
openssl	197
Paul Hsieh exposition license	200
PD	201
PSFv2	202
Zlib	206

SOURCE CODE LICENSES – LEGATO APPLICATION FRAMEWORK

The Legato Application Framework is licensed under [Mozilla Public License Version 2.0 \(MPLv2\)](#). There are exceptions that are handled on a case-by-case basis and are documented in the source code. For the current list of exceptions visit [legato.io](#).

SOURCE CODE LICENSES – LINUX DISTRO

Licensing Notes

GDB server is licensed under GPLv2 and GPLv3 Licenses. As of Legato 16.10.3, gdbserver has been removed from the Linux Distro and the binaries have been added to the Legato AF App, devMode. There is no longer any need to rebuild the Linux Kernel before deploying Target Devices to production. See [devMode](#) and [how to debug with GDB](#) for help on installing and using GDB in the Legato AF.

The following packages are licensed under GPLv3 with GCC Exception. See [GCC Runtime Library Exception](#)

- libgcc, (version listed in the table below)

The following packages can be licensed under [GPLv2](#) OR [GPLv3](#), per customer preference as specified in the source file headers.

- dnsmasq, (version listed in the table below)

The following tables contain the source packages, version and applicable license that are used to build the Linux Distro for WP and AR Devices.

WP76xx Series Modules

PACKAGE NAME	PACKAGE VERSION	RECIPE NAME	LICENSE	LIST OF PATCHED CVEs	LIST OF UNPATCHED CVEs
acdbloader	git	acdbloader	Qualcomm-Technologies -Inc.- Proprietary		
acdbmapper	git	acdbmapper	Qualcomm-Technologies -Inc.- Proprietary		
acdbrtac	git	acdbrtac	Qualcomm-Technologies -Inc.- Proprietary		

adiertac	git	adiertac	Qualcomm-Technologies-Inc.-Proprietary		
alsa-intf	1	alsa-intf	Apache-2.0		
attr	2.4.48	attr	GPLv2+		
audcal	git	audcal	Qualcomm-Technologies-Inc.-Proprietary		
audcaltests	git	audcaltests	Qualcomm-Technologies-Inc.-Proprietary		
audioalsa	git	audioalsa	Qualcomm-Technologies-Inc.-Proprietary		
audiodlkm	git	audiodlkm	GPL-2.0		
base-files	3.0.14	base-files	GPLv2	CVE-2018-6557	
base-passwd	3.5.29	base-passwd	GPLv2		
bridge-utils	1.6	bridge-utils	GPLv2		
bsdiff	4.3-22	bsdiff	BSD	CVE-2020-14315	
bsdtar	3.4.2	libarchive	BSD-2-Clause		
busybox	1.31.1	busybox	GPLv2 & bzip2-1.0.4	CVE-2006-1058,CVE-2006-5050,CVE-2011-2716,CVE-2011-5325,CVE-2013-1813,CVE-2014-9645,CVE-2015-9261,CVE-2016-2147,CVE-2016-2148,CVE-2016-6301,CVE-2017-15873,CVE-2017-	CVE-2022-28391

				15874,CVE-2017-16544,CVE-2018-1000500,CVE-2018-1000517,CVE-2018-20679,CVE-2019-5747,CVE-2021-28831,CVE-2021-42373,CVE-2021-42374,CVE-2021-42375,CVE-2021-42376,CVE-2021-42377,CVE-2021-42378,CVE-2021-42379,CVE-2021-42380,CVE-2021-42381,CVE-2021-42382,CVE-2021-42383,CVE-2021-42384,CVE-2021-42385,CVE-2021-42386,CVE-2022-30065	
busybox-cron	1.31.1	busybox	GPLv2 & bzip2-1.0.4		
busybox-inittab	1.31.0	busybox-inittab	GPLv2		
busybox-syslog	1.31.1	busybox	GPLv2 & bzip2-1.0.4		
busybox-udhcp	1.31.1	busybox	GPLv2 & bzip2-1.0.4		
bzip2	1.0.8	bzip2	bzip2-1.0.6	CVE-2002-0759,CVE-2002-0760,CVE-2002-0761,CVE-2005-0953,CVE-2005-1260,CVE-2008-1372,CVE-2010-0405,CVE-2011-4089,CVE-2016-3189,CVE-2019-12900,CVE-2023-22895	
ca-certificates	20211016	ca-certificates	GPL-2.0+ & MPL-2.0		
configdb	git	configdb	Qualcomm-Technologies		

			-Inc.- Proprietary		
contrack-tools	1.4.6	contrack-tools	GPLv2+	CVE-2015-6496	
crda	3.18	crda	copyleft- next-0.3.0		
cryptsetup	2.3.2	cryptsetup	GPL-2.0-with- OpenSSL- exception	CVE-2016-4484,CVE- 2020-14382	CVE-2021-4122
curl	7.69.1	curl	MIT	CVE-2000-0973,CVE- 2003-1605,CVE-2005- 0490,CVE-2005- 3185,CVE-2005- 4077,CVE-2006- 1061,CVE-2007- 3564,CVE-2009- 0037,CVE-2009- 2417,CVE-2010- 0734,CVE-2010- 3842,CVE-2011- 2192,CVE-2011- 3389,CVE-2012- 0036,CVE-2013- 0249,CVE-2013- 1944,CVE-2013- 2174,CVE-2013- 4545,CVE-2013- 6422,CVE-2014- 0015,CVE-2014- 0138,CVE-2014- 0139,CVE-2014- 2522,CVE-2014- 3613,CVE-2014- 3620,CVE-2014- 3707,CVE-2014- 8150,CVE-2014- 8151,CVE-2015-	CVE-2022-22576,CVE- 2022-27774,CVE-2022- 27775,CVE-2022- 27776,CVE-2022- 27781,CVE-2022- 27782,CVE-2022- 32206,CVE-2022- 32207,CVE-2022- 32208,CVE-2022- 32221,CVE-2022- 35252,CVE-2022- 43552,CVE-2023-23916

				3143,CVE-2015- 3144,CVE-2015- 3145,CVE-2015- 3148,CVE-2015- 3153,CVE-2015- 3236,CVE-2015- 3237,CVE-2016- 0754,CVE-2016- 0755,CVE-2016- 3739,CVE-2016- 4606,CVE-2016- 4802,CVE-2016- 5419,CVE-2016- 5420,CVE-2016- 5421,CVE-2016- 7141,CVE-2016- 7167,CVE-2016- 8615,CVE-2016- 8616,CVE-2016- 8617,CVE-2016- 8618,CVE-2016- 8619,CVE-2016- 8620,CVE-2016- 8621,CVE-2016- 8622,CVE-2016- 8623,CVE-2016- 8624,CVE-2016- 8625,CVE-2016- 9586,CVE-2016- 9594,CVE-2016- 9952,CVE-2016- 9953,CVE-2017- 1000099,CVE-2017- 1000100,CVE-2017- 1000101,CVE-2017- 1000254,CVE-2017-	
--	--	--	--	--	--

				1000257,CVE-2017-2628,CVE-2017-2629,CVE-2017-7407,CVE-2017-7468,CVE-2017-8816,CVE-2017-8817,CVE-2017-8818,CVE-2017-9502,CVE-2018-0500,CVE-2018-1000005,CVE-2018-1000007,CVE-2018-1000120,CVE-2018-1000121,CVE-2018-1000122,CVE-2018-1000300,CVE-2018-1000301,CVE-2018-14618,CVE-2018-16839,CVE-2018-16840,CVE-2018-16842,CVE-2018-16890,CVE-2019-3822,CVE-2019-3823,CVE-2019-5435,CVE-2019-5436,CVE-2019-5443,CVE-2019-5481,CVE-2019-5482,CVE-2020-8169,CVE-2020-8177,CVE-2020-8231,CVE-2020-8284,CVE-2020-8285,CVE-2020-8286,CVE-2021-22876,CVE-2021-	
--	--	--	--	--	--

				22890,CVE-2021-22897,CVE-2021-22898,CVE-2021-22901,CVE-2021-22922,CVE-2021-22923,CVE-2021-22924,CVE-2021-22925,CVE-2021-22926,CVE-2021-22945,CVE-2021-22946,CVE-2021-22947,CVE-2022-27778,CVE-2022-27779,CVE-2022-27780,CVE-2022-30115,CVE-2022-32205,CVE-2022-35260,CVE-2022-42915,CVE-2022-42916,CVE-2022-43551,CVE-2023-23914,CVE-2023-23915	
data	git	data	Qualcomm-Technologies-Inc.-Proprietary	CVE-2011-2714,CVE-2011-2715,CVE-2012-1654	
data-embms	git	data	Qualcomm-Technologies-Inc.-Proprietary		
data-netmgrd	git	data	Qualcomm-Technologies-Inc.-Proprietary		
data-oss	git	data-oss	BSD		

data-port-bridge	git	data	Qualcomm-Technologies-Inc.-Proprietary		
data-qcmap	git	data	Qualcomm-Technologies-Inc.-Proprietary		
data-qmi-ip-multi	git	data	Qualcomm-Technologies-Inc.-Proprietary		
data-qli	git	data	Qualcomm-Technologies-Inc.-Proprietary		
diag	git	diag	Qualcomm-Technologies-Inc.-Proprietary		
diag-reboot-app	git	diag-reboot-app	Qualcomm-Technologies-Inc.-Proprietary		
diag-vendor	git	diag-vendor	Qualcomm-Technologies-Inc.-Proprietary		
dnsmasq	2.83	dnsmasq	GPLv2 GPLv3	CVE-2005-0876,CVE-2005-0877,CVE-2006-2017,CVE-2008-3214,CVE-2008-3350,CVE-2009-2957,CVE-2009-2958,CVE-2012-3411,CVE-2013-	CVE-2021-3448,CVE-2022-0934

				0198,CVE-2015-3294,CVE-2015-8899,CVE-2017-13704,CVE-2017-14491,CVE-2017-14492,CVE-2017-14493,CVE-2017-14494,CVE-2017-14495,CVE-2017-14496,CVE-2017-15107,CVE-2019-14513,CVE-2019-14834,CVE-2020-25681,CVE-2020-25682,CVE-2020-25683,CVE-2020-25684,CVE-2020-25685,CVE-2020-25686,CVE-2020-25687,CVE-2021-45951,CVE-2021-45952,CVE-2021-45953,CVE-2021-45954,CVE-2021-45955,CVE-2021-45956,CVE-2021-45957	
dropbear	2019.78	dropbear	MIT & BSD-3-Clause & BSD-2-Clause & PD	CVE-2004-2486,CVE-2005-4178,CVE-2006-1206,CVE-2007-1099,CVE-2012-0920,CVE-2013-4421,CVE-2013-4434,CVE-2016-3116,CVE-2016-7406,CVE-2016-7407,CVE-2016-	CVE-2021-36369

				7408,CVE-2016-7409,CVE-2017-2659,CVE-2017-9078,CVE-2017-9079,CVE-2018-15599,CVE-2019-12953,CVE-2020-36254	
dsutils	git	dsutils	Qualcomm-Technologies-Inc.-Proprietary		
embms-kernel	git	embms-kernel	ISC		
fs-scrub-daemon	1	fs-scrub-daemon	Qualcomm-Technologies-Inc.-Proprietary		
glib-2.0	2.62.6	glib-2.0	LGPLv2.1+ & BSD-3-Clause & PD	CVE-2008-4316,CVE-2009-3289,CVE-2012-0039,CVE-2018-16428,CVE-2018-16429,CVE-2019-12450,CVE-2019-13012,CVE-2019-9633,CVE-2020-35457,CVE-2020-6750,CVE-2021-27218,CVE-2021-27219,CVE-2021-28153	CVE-2021-3800
glibc	2.31+gitAUTOINC+3ef8be9b89	glibc	GPLv2 & LGPLv2.1	CVE-1999-0199,CVE-2000-0335,CVE-2000-0824,CVE-2000-0959,CVE-2002-0684,CVE-2002-1146,CVE-2002-1265,CVE-2003-0028,CVE-2003-	CVE-2010-4756

				0859,CVE-2004-0968,CVE-2004-1382,CVE-2004-1453,CVE-2005-3590,CVE-2006-7254,CVE-2007-3508,CVE-2009-4880,CVE-2009-4881,CVE-2009-5029,CVE-2009-5064,CVE-2009-5155,CVE-2010-0015,CVE-2010-0296,CVE-2010-0830,CVE-2010-3192,CVE-2010-3847,CVE-2010-3856,CVE-2010-4051,CVE-2010-4052,CVE-2011-0536,CVE-2011-1071,CVE-2011-1089,CVE-2011-1095,CVE-2011-1658,CVE-2011-1659,CVE-2011-2702,CVE-2011-4609,CVE-2011-5320,CVE-2012-0864,CVE-2012-3404,CVE-2012-3405,CVE-2012-3406,CVE-2012-3480,CVE-2012-4412,CVE-2012-4424,CVE-2012-	
--	--	--	--	--	--

				6656,CVE-2013-0242,CVE-2013-1914,CVE-2013-2207,CVE-2013-4237,CVE-2013-4332,CVE-2013-4458,CVE-2013-4788,CVE-2013-7423,CVE-2013-7424,CVE-2014-0475,CVE-2014-4043,CVE-2014-5119,CVE-2014-6040,CVE-2014-7817,CVE-2014-8121,CVE-2014-9402,CVE-2014-9761,CVE-2014-9984,CVE-2015-0235,CVE-2015-1472,CVE-2015-1473,CVE-2015-1781,CVE-2015-5180,CVE-2015-5277,CVE-2015-7547,CVE-2015-8776,CVE-2015-8777,CVE-2015-8778,CVE-2015-8779,CVE-2015-8982,CVE-2015-8983,CVE-2015-8984,CVE-2015-8985,CVE-2016-10228,CVE-2016-10739,CVE-2016-	
--	--	--	--	--	--

				1234,CVE-2016-3075,CVE-2016-3706,CVE-2016-4429,CVE-2016-5417,CVE-2016-6323,CVE-2017-1000366,CVE-2017-1000408,CVE-2017-1000409,CVE-2017-12132,CVE-2017-12133,CVE-2017-15670,CVE-2017-15671,CVE-2017-15804,CVE-2017-16997,CVE-2017-17426,CVE-2017-18269,CVE-2017-8804,CVE-2018-1000001,CVE-2018-11236,CVE-2018-11237,CVE-2018-19591,CVE-2018-20796,CVE-2018-6485,CVE-2018-6551,CVE-2019-1010022,CVE-2019-1010023,CVE-2019-1010024,CVE-2019-1010025,CVE-2019-19126,CVE-2019-25013,CVE-2019-6488,CVE-2019-7309,CVE-2019-9169,CVE-2019-9192,CVE-2020-10029,CVE-2020-	
--	--	--	--	---	--

				1751,CVE-2020-1752,CVE-2020-27618,CVE-2020-29562,CVE-2020-29573,CVE-2020-6096,CVE-2021-27645,CVE-2021-3326,CVE-2021-33574,CVE-2021-35942,CVE-2021-38604,CVE-2021-3998,CVE-2021-3999,CVE-2021-43396,CVE-2022-23218,CVE-2022-23219,CVE-2022-39046,CVE-2023-0687,CVE-2023-25139	
gps-utils	git	gps-utils	BSD		
hostapd	2.9	hostapd	BSD-3-Clause	CVE-2006-2213,CVE-2012-2389,CVE-2012-4445,CVE-2014-3686,CVE-2015-4141,CVE-2015-4142,CVE-2015-4143,CVE-2015-4144,CVE-2015-4145,CVE-2015-4146,CVE-2015-8041,CVE-2016-10743,CVE-2016-4476,CVE-2017-13077,CVE-2017-13078,CVE-2017-13079,CVE-2017-13080,CVE-2017-	CVE-2022-23303,CVE-2022-23304

				13081,CVE-2017-13082,CVE-2017-13084,CVE-2017-13086,CVE-2017-13087,CVE-2017-13088,CVE-2019-10064,CVE-2019-11555,CVE-2019-13377,CVE-2019-16275,CVE-2019-5061,CVE-2019-5062,CVE-2019-9494,CVE-2019-9495,CVE-2019-9496,CVE-2019-9497,CVE-2019-9498,CVE-2019-9499,CVE-2020-12695,CVE-2021-0326,CVE-2021-27803,CVE-2021-30004	
i2cgpioctl	1	i2cgpioctl	GPLv2		
ima-evm-utils	1.1	ima-evm-utils	GPL-2.0-with-OpenSSL-exception		
init-ifupdown	1	init-ifupdown	GPLv2		
init-mss	git	init-mss	BSD		
initscripts	1	initscripts	GPLv2	CVE-2008-3524,CVE-2008-4832	
initscripts-functions	1	initscripts	GPLv2		
initscripts-runenv	1	initscripts	GPLv2		
iproute2	5.5.0	iproute2	GPLv2+	CVE-2012-1088,CVE-2019-20795	
iproute2-tc	5.5.0	iproute2	GPLv2+		

iptables	1.8.4	iptables	GPLv2+	CVE-2001-1387,CVE-2001-1388,CVE-2012-2663,CVE-2019-11360	
iptables-module-ip6t-ah	1.8.4	iptables	GPLv2+		
iptables-module-ip6t-dnat	1.8.4	iptables	GPLv2+		
iptables-module-ip6t-dnpt	1.8.4	iptables	GPLv2+		
iptables-module-ip6t-dst	1.8.4	iptables	GPLv2+		
iptables-module-ip6t-eui64	1.8.4	iptables	GPLv2+		
iptables-module-ip6t-frag	1.8.4	iptables	GPLv2+		
iptables-module-ip6t-hbh	1.8.4	iptables	GPLv2+		
iptables-module-ip6t-hl	1.8.4	iptables	GPLv2+		
iptables-module-ip6t-icmp6	1.8.4	iptables	GPLv2+		
iptables-module-ip6t-ipv6header	1.8.4	iptables	GPLv2+		
iptables-module-ip6t-log	1.8.4	iptables	GPLv2+		

iptables- module-ip6t- masquerade	1.8.4	iptables	GPLv2+		
iptables- module-ip6t- mh	1.8.4	iptables	GPLv2+		
iptables- module-ip6t- netmap	1.8.4	iptables	GPLv2+		
iptables- module-ip6t- redirect	1.8.4	iptables	GPLv2+		
iptables- module-ip6t- reject	1.8.4	iptables	GPLv2+		
iptables- module-ip6t-rt	1.8.4	iptables	GPLv2+		
iptables- module-ip6t- snat	1.8.4	iptables	GPLv2+		
iptables- module-ip6t- snpt	1.8.4	iptables	GPLv2+		
iptables- module-ip6t- srh	1.8.4	iptables	GPLv2+		
iptables- module-ipt-ah	1.8.4	iptables	GPLv2+		
iptables- module-ipt- clusterip	1.8.4	iptables	GPLv2+		
iptables- module-ipt- dnat	1.8.4	iptables	GPLv2+		
iptables- module-ipt-ecn	1.8.4	iptables	GPLv2+		

iptables-module-iptables-icmp	1.8.4	iptables	GPLv2+		
iptables-module-iptables-log	1.8.4	iptables	GPLv2+		
iptables-module-iptables-masquerade	1.8.4	iptables	GPLv2+		
iptables-module-iptables-netmap	1.8.4	iptables	GPLv2+		
iptables-module-iptables-realm	1.8.4	iptables	GPLv2+		
iptables-module-iptables-redirect	1.8.4	iptables	GPLv2+		
iptables-module-iptables-reject	1.8.4	iptables	GPLv2+		
iptables-module-iptables-snat	1.8.4	iptables	GPLv2+		
iptables-module-iptables-ttl	1.8.4	iptables	GPLv2+		
iptables-module-iptables-ulog	1.8.4	iptables	GPLv2+		
iptables-module-xt-addrtype	1.8.4	iptables	GPLv2+		
iptables-module-xt-audit	1.8.4	iptables	GPLv2+		
iptables-module-xt-bpf	1.8.4	iptables	GPLv2+		

iptables- module-xt- cgroup	1.8.4	iptables	GPLv2+		
iptables- module-xt- checksum	1.8.4	iptables	GPLv2+		
iptables- module-xt- classify	1.8.4	iptables	GPLv2+		
iptables- module-xt- cluster	1.8.4	iptables	GPLv2+		
iptables- module-xt- comment	1.8.4	iptables	GPLv2+		
iptables- module-xt- connbytes	1.8.4	iptables	GPLv2+		
iptables- module-xt- connlimit	1.8.4	iptables	GPLv2+		
iptables- module-xt- connmark	1.8.4	iptables	GPLv2+		
iptables- module-xt- connsecmark	1.8.4	iptables	GPLv2+		
iptables- module-xt- conntrack	1.8.4	iptables	GPLv2+		
iptables- module-xt-cpu	1.8.4	iptables	GPLv2+		
iptables- module-xt-ct	1.8.4	iptables	GPLv2+		
iptables- module-xt-dccp	1.8.4	iptables	GPLv2+		

iptables-module-xt-devgroup	1.8.4	iptables	GPLv2+		
iptables-module-xt-dscp	1.8.4	iptables	GPLv2+		
iptables-module-xt-ecn	1.8.4	iptables	GPLv2+		
iptables-module-xt-esp	1.8.4	iptables	GPLv2+		
iptables-module-xt-hashlimit	1.8.4	iptables	GPLv2+		
iptables-module-xt-helper	1.8.4	iptables	GPLv2+		
iptables-module-xt-hmark	1.8.4	iptables	GPLv2+		
iptables-module-xt-idletimer	1.8.4	iptables	GPLv2+		
iptables-module-xt-ipcomp	1.8.4	iptables	GPLv2+		
iptables-module-xt-iprange	1.8.4	iptables	GPLv2+		
iptables-module-xt-ipvs	1.8.4	iptables	GPLv2+		
iptables-module-xt-led	1.8.4	iptables	GPLv2+		
iptables-module-xt-length	1.8.4	iptables	GPLv2+		
iptables-module-xt-limit	1.8.4	iptables	GPLv2+		

iptables-module-xt-mac	1.8.4	iptables	GPLv2+		
iptables-module-xt-mark	1.8.4	iptables	GPLv2+		
iptables-module-xt-multiport	1.8.4	iptables	GPLv2+		
iptables-module-xt-nfacct	1.8.4	iptables	GPLv2+		
iptables-module-xt-nflog	1.8.4	iptables	GPLv2+		
iptables-module-xt-nfqueue	1.8.4	iptables	GPLv2+		
iptables-module-xt-osf	1.8.4	iptables	GPLv2+		
iptables-module-xt-owner	1.8.4	iptables	GPLv2+		
iptables-module-xt-physdev	1.8.4	iptables	GPLv2+		
iptables-module-xt-pkttype	1.8.4	iptables	GPLv2+		
iptables-module-xt-policy	1.8.4	iptables	GPLv2+		
iptables-module-xt-quota	1.8.4	iptables	GPLv2+		

iptables- module-xt- rateest	1.8.4	iptables	GPLv2+		
iptables- module-xt- recent	1.8.4	iptables	GPLv2+		
iptables- module-xt- rpfilter	1.8.4	iptables	GPLv2+		
iptables- module-xt- sctp	1.8.4	iptables	GPLv2+		
iptables- module-xt- secmark	1.8.4	iptables	GPLv2+		
iptables- module-xt- set	1.8.4	iptables	GPLv2+		
iptables- module-xt- socket	1.8.4	iptables	GPLv2+		
iptables- module-xt- standard	1.8.4	iptables	GPLv2+		
iptables- module-xt- statistic	1.8.4	iptables	GPLv2+		
iptables- module-xt- string	1.8.4	iptables	GPLv2+		
iptables- module-xt- synproxy	1.8.4	iptables	GPLv2+		
iptables- module-xt- tcp	1.8.4	iptables	GPLv2+		
iptables- module-xt- tcpmss	1.8.4	iptables	GPLv2+		

iptables-module-xt-tcpoptstrip	1.8.4	iptables	GPLv2+		
iptables-module-xt-tee	1.8.4	iptables	GPLv2+		
iptables-module-xt-time	1.8.4	iptables	GPLv2+		
iptables-module-xt-tos	1.8.4	iptables	GPLv2+		
iptables-module-xt-tproxy	1.8.4	iptables	GPLv2+		
iptables-module-xt-trace	1.8.4	iptables	GPLv2+		
iptables-module-xt-u32	1.8.4	iptables	GPLv2+		
iptables-module-xt-udp	1.8.4	iptables	GPLv2+		
iptables-modules	1.8.4	iptables	GPLv2+		
iw	5.4	iw	BSD-2-Clause		
json-c	0.13.1	json-c	MIT	CVE-2013-6370,CVE-2013-6371,CVE-2020-12762	
kernel-base	4.14.253	linux-msm	GPLv2		
kernel-module-arc4	4.14.253	linux-msm	GPLv2		
kernel-module-at803x	4.14.253	linux-msm	GPLv2		
kernel-module-auth-rpcgss	4.14.253	linux-msm	GPLv2		
kernel-module-authenc	4.14.253	linux-msm	GPLv2		
kernel-module-authencesn	4.14.253	linux-msm	GPLv2		

kernel-module-blocklayoutdriver	4.14.253	linux-msm	GPLv2		
kernel-module-ccm	4.14.253	linux-msm	GPLv2		
kernel-module-cfg80211	4.14.253	linux-msm	GPLv2		
kernel-module-cmac	4.14.253	linux-msm	GPLv2		
kernel-module-cnss-common	4.14.253	linux-msm	GPLv2		
kernel-module-cnss-secif	4.14.253	linux-msm	GPLv2		
kernel-module-crc7	4.14.253	linux-msm	GPLv2		
kernel-module-ctr	4.14.253	linux-msm	GPLv2		
kernel-module-des-generic	4.14.253	linux-msm	GPLv2		
kernel-module-dns-resolver	4.14.253	linux-msm	GPLv2		
kernel-module-drbg	4.14.253	linux-msm	GPLv2		
kernel-module-echainiv	4.14.253	linux-msm	GPLv2		
kernel-module-embms-kernel	git	embms-kernel	ISC		
kernel-module-ftdi-sio	4.14.253	linux-msm	GPLv2		
kernel-module-gcm	4.14.253	linux-msm	GPLv2		
kernel-module-gf128mul	4.14.253	linux-msm	GPLv2		
kernel-module-ghash-generic	4.14.253	linux-msm	GPLv2		

kernel-module-gpio-axis	4.14.253	linux-msm	GPLv2		
kernel-module-gpio-event	4.14.253	linux-msm	GPLv2		
kernel-module-gpio-input	4.14.253	linux-msm	GPLv2		
kernel-module-gpio-matrix	4.14.253	linux-msm	GPLv2		
kernel-module-gpio-output	4.14.253	linux-msm	GPLv2		
kernel-module-grace	4.14.253	linux-msm	GPLv2		
kernel-module-hostap	4.14.253	linux-msm	GPLv2		
kernel-module-jitterentropy-rng	4.14.253	linux-msm	GPLv2		
kernel-module-lib80211	4.14.253	linux-msm	GPLv2		
kernel-module-lib80211-crypt-ccmp	4.14.253	linux-msm	GPLv2		
kernel-module-lib80211-crypt-ctkip	4.14.253	linux-msm	GPLv2		
kernel-module-lib80211-crypt-wep	4.14.253	linux-msm	GPLv2		
kernel-module-lockd	4.14.253	linux-msm	GPLv2		
kernel-module-mac80211	4.14.253	linux-msm	GPLv2		
kernel-module-michael-mic	4.14.253	linux-msm	GPLv2		
kernel-module-mmc-test	4.14.253	linux-msm	GPLv2		

kernel-module-msm-geni-ir	4.14.253	linux-msm	GPLv2		
kernel-module-nfs	4.14.253	linux-msm	GPLv2		
kernel-module-nfs-layout-flexfiles	4.14.253	linux-msm	GPLv2		
kernel-module-nfs-layout-nfsv41-files	4.14.253	linux-msm	GPLv2		
kernel-module-nfsv2	4.14.253	linux-msm	GPLv2		
kernel-module-nfsv3	4.14.253	linux-msm	GPLv2		
kernel-module-nfsv4	4.14.253	linux-msm	GPLv2		
kernel-module-qce50	4.14.253	linux-msm	GPLv2		
kernel-module-qcedevice	4.14.253	linux-msm	GPLv2		
kernel-module-qcrypto	4.14.253	linux-msm	GPLv2		
kernel-module-seqiv	4.14.253	linux-msm	GPLv2		
kernel-module-snd	4.14.253	linux-msm	GPLv2		
kernel-module-snd-compress	4.14.253	linux-msm	GPLv2		
kernel-module-snd-hwdep	4.14.253	linux-msm	GPLv2		
kernel-module-snd-pcm	4.14.253	linux-msm	GPLv2		
kernel-module-snd-soc-core	4.14.253	linux-msm	GPLv2		
kernel-module-snd-timer	4.14.253	linux-msm	GPLv2		

kernel-module-soundcore	4.14.253	linux-msm	GPLv2		
kernel-module-spidev	4.14.253	linux-msm	GPLv2		
kernel-module-sunrpc	4.14.253	linux-msm	GPLv2		
kernel-module-tee	4.14.253	linux-msm	GPLv2		
kernel-module-usb-f-uac1-legacy	4.14.253	linux-msm	GPLv2		
kernel-module-usbserial	4.14.253	linux-msm	GPLv2		
kernel-module-wl18xx	4.14.253	linux-msm	GPLv2		
kernel-module-wlcore	4.14.253	linux-msm	GPLv2		
kernel-module-wlcore-sdio	4.14.253	linux-msm	GPLv2		
kernel-module-xt-physdev	4.14.253	linux-msm	GPLv2		
kernel-modules	4.14.253	linux-msm	GPLv2		
keyutils	1.5.10	keyutils	GPL-2.0		
ldconfig	2.31+gitAUTOINC+3ef8be9b89	glibc	GPLv2 & LGPLv2.1		
legato-init	1	legato-init	MPL-2.0		
libarchive	3.4.2	libarchive	BSD-2-Clause	CVE-2007-3641,CVE-2007-3644,CVE-2007-3645,CVE-2010-4666,CVE-2011-1777,CVE-2011-1778,CVE-2011-1779,CVE-2013-0211,CVE-2015-2304,CVE-2015-8915,CVE-2015-	CVE-2021-23177,CVE-2021-31566,CVE-2022-36227

				8916,CVE-2015- 8917,CVE-2015- 8918,CVE-2015- 8919,CVE-2015- 8920,CVE-2015- 8921,CVE-2015- 8922,CVE-2015- 8923,CVE-2015- 8924,CVE-2015- 8925,CVE-2015- 8926,CVE-2015- 8927,CVE-2015- 8928,CVE-2015- 8929,CVE-2015- 8930,CVE-2015- 8931,CVE-2015- 8932,CVE-2015- 8933,CVE-2015- 8934,CVE-2016- 10209,CVE-2016- 10349,CVE-2016- 10350,CVE-2016- 1541,CVE-2016- 4300,CVE-2016- 4301,CVE-2016- 4302,CVE-2016- 4809,CVE-2016- 5418,CVE-2016- 5844,CVE-2016- 6250,CVE-2016- 7166,CVE-2016- 8687,CVE-2016- 8688,CVE-2016- 8689,CVE-2017- 14166,CVE-2017- 14501,CVE-2017-	
--	--	--	--	---	--

				14502,CVE-2017-14503,CVE-2017-5601,CVE-2018-1000877,CVE-2018-1000878,CVE-2018-1000879,CVE-2018-1000880,CVE-2019-1000019,CVE-2019-1000020,CVE-2019-11463,CVE-2019-18408,CVE-2019-19221,CVE-2020-21674,CVE-2020-9308,CVE-2021-36976,CVE-2022-26280	
libattr	2.4.48	attr	LGPLv2.1+		
libbz2	1.0.8	bzip2	bzip2-1.0.6		
libcap	2.32	libcap	BSD-3-Clause GPLv2	CVE-2011-4099	
libcap-bin	2.32	libcap	BSD-3-Clause GPLv2		
libcrypto	1.1.1n	openssl	openssl		
libcurl	7.69.1	curl	MIT		
libdevmapper	2.03.06	lv2	GPLv2 & LGPLv2.1		
libelf	0.178	elfutils	GPLv2 LGPLv3+		
libffi	3.3	libffi	MIT		
libgcc	9.3.0	libgcc	GPL-3.0-with- GCC- exception	CVE-1999-1439,CVE-2000-1219,CVE-2002-2439,CVE-2006-1902,CVE-2008-1367,CVE-2008-1685,CVE-2013-4598,CVE-2015-5276,CVE-2017-11671,CVE-2018-12886,CVE-2019-15847,CVE-2021-37322,CVE-2021-3826,CVE-2021-46195,CVE-2022-27943	
libgcrypt	1.8.5	libgcrypt	LGPLv2.1+	CVE-2013-4242,CVE-2014-3591,CVE-2014-5270,CVE-2015-0837,CVE-2015-7511,CVE-2016-6313,CVE-2017-	

				0379,CVE-2017-7526,CVE-2017-9526,CVE-2018-0495,CVE-2018-6829,CVE-2019-12904,CVE-2021-3345,CVE-2021-33560,CVE-2021-40528
libpgp-error	1.37	libpgp-error	GPLv2+ & LGPLv2.1+	
libion	1	libion	Apache-2.0	
libjitterentropy	2.2.0	libjitterentropy	GPLv2+ BSD	
libzma	5.2.4	xz	PD	
libmnl	1.0.4	libmnl	LGPLv2.1+	
libnetfilter-contrack	1.0.8	libnetfilter-contrack	GPLv2+	
libnetfilter-cthelper	1.0.0	libnetfilter-cthelper	GPLv2+	
libnetfilter-cttimeout	1.0.0	libnetfilter-cttimeout	GPLv2+	
libnetfilter-queue	1.0.3	libnetfilter-queue	GPLv2+	
libnfnetlink	1.0.1	libnfnetlink	GPLv2+	
libnl	3.5.0	libnl	LGPLv2.1	
libnl-genl	3.5.0	libnl	LGPLv2.1	
libopencore-amr	0.1.3	libopencore-amr	Apache-2.0	
libpcap	1.9.1	libpcap	BSD-3-Clause	CVE-2011-1935,CVE-2019-15161,CVE-2019-15162,CVE-2019-15163,CVE-2019-15164,CVE-2019-15165
libpcrc	8.44	libpcrc	BSD-3-Clause	CVE-2005-2491,CVE-2005-4872,CVE-2006-7225,CVE-2006-7227,CVE-2006-7228,CVE-2006-7230,CVE-2007-1659,CVE-2007-1660,CVE-2007-1662,CVE-2007-4766,CVE-2007-4767,CVE-2007-4768,CVE-2008-0674,CVE-2008-2371,CVE-2014-8964,CVE-2014-9769,CVE-2015-2325,CVE-2015-2326,CVE-2015-2328,CVE-2015-3210,CVE-2015-3217,CVE-2015-5073,CVE-2015-8391,CVE-2016-1283,CVE-2016-3191,CVE-2017-11164,CVE-2017-16231,CVE-2017-6004,CVE-2017-7186,CVE-2017-7244,CVE-2017-

				7245,CVE-2017-7246,CVE-2019-20838,CVE-2020-14155	
libssl	1.1.1n	openssl	openssl		
libstdc++	9.3.0	gcc-runtime	GPL-3.0-with-GCC-exception		
libsysfs	2.1.0	sysfsutils	LGPLv2.1		
libudev	3.2.9	eudev	LGPL-2.1+		
libvo-amrwbenc	0.1.3	libvo-amrwbenc	Apache-2.0		
libxcrypt	4.4.15	libxcrypt	LGPLv2.1		
libxml2	2.9.10	libxml2	MIT	CVE-2003-1564,CVE-2004-0110,CVE-2004-0989,CVE-2008-3281,CVE-2008-3529,CVE-2008-4409,CVE-2009-2414,CVE-2009-2416,CVE-2010-4008,CVE-2010-4494,CVE-2011-1944,CVE-2012-0841,CVE-2012-2871,CVE-2012-5134,CVE-2013-0338,CVE-2013-0339,CVE-2013-1969,CVE-2013-2877,CVE-2014-3660,CVE-2015-5312,CVE-2015-6837,CVE-2015-6838,CVE-2015-7497,CVE-2015-7498,CVE-2015-7499,CVE-2015-	CVE-2016-3709,CVE-2022-29824,CVE-2022-40303,CVE-2022-40304

				7500,CVE-2015-7941,CVE-2015-7942,CVE-2015-8035,CVE-2015-8241,CVE-2015-8242,CVE-2015-8317,CVE-2015-8710,CVE-2015-8806,CVE-2016-1762,CVE-2016-1833,CVE-2016-1834,CVE-2016-1836,CVE-2016-1837,CVE-2016-1838,CVE-2016-1839,CVE-2016-1840,CVE-2016-2073,CVE-2016-3627,CVE-2016-3705,CVE-2016-4447,CVE-2016-4448,CVE-2016-4449,CVE-2016-4483,CVE-2016-4658,CVE-2016-5131,CVE-2016-9318,CVE-2016-9596,CVE-2016-9597,CVE-2016-9598,CVE-2017-15412,CVE-2017-16931,CVE-2017-16932,CVE-2017-18258,CVE-2017-5130,CVE-2017-5969,CVE-2017-	
--	--	--	--	--	--

				7375,CVE-2017-7376,CVE-2017-8872,CVE-2017-9047,CVE-2017-9048,CVE-2017-9049,CVE-2017-9050,CVE-2018-14404,CVE-2018-14567,CVE-2018-9251,CVE-2019-19956,CVE-2019-20388,CVE-2020-24977,CVE-2020-7595,CVE-2021-3517,CVE-2021-3518,CVE-2021-3537,CVE-2021-3541,CVE-2022-23308	
linkmon	1	linkmon	MPL-2.0		
loc-hal	git	loc-hal	BSD		
loc-pla	git	loc-pla	BSD		
loc-stub	git	loc-stub	BSD		
logrotate	3.15.1	logrotate	GPLv2	CVE-2011-1098,CVE-2011-1154,CVE-2011-1155,CVE-2011-1548,CVE-2011-1549,CVE-2011-1550,CVE-2022-1348	
lzo	2.1	lzo	GPLv2+	CVE-2014-4607	
mbim	git	mbim	Qualcomm-Technologies-Inc.-Proprietary		
modem-shutdown	1	modem-shutdown	SierraWireless-Proprietary		
modutils-initscripts	1	modutils-initscripts	PD		
mtd-utils	2.1.3	mtd-utils	GPLv2+		

mtd-utils-ubifs	2.1.3	mtd-utils	GPLv2+		
ncurses-libncurses	6.2	ncurses	MIT		
ncurses-libtinfo	6.2	ncurses	MIT		
ncurses-terminfo-base	6.2	ncurses	MIT		
netbase	6.1	netbase	GPLv2		
ntpdate	4.2.8p15	ntp	NTP		
openssl	1.1.1n	openssl	openssl	CVE-1999-0428,CVE-2000-0535,CVE-2000-1254,CVE-2001-1141,CVE-2002-0655,CVE-2002-0656,CVE-2002-0657,CVE-2002-0659,CVE-2002-1568,CVE-2003-0078,CVE-2003-0131,CVE-2003-0147,CVE-2003-0543,CVE-2003-0544,CVE-2003-0545,CVE-2003-0851,CVE-2004-0079,CVE-2004-0081,CVE-2004-0112,CVE-2004-0975,CVE-2005-1797,CVE-2005-2946,CVE-2005-2969,CVE-2006-2937,CVE-2006-2940,CVE-2006-3738,CVE-2006-4339,CVE-2006-4343,CVE-2006-	CVE-2022-1292,CVE-2022-2068,CVE-2022-2097,CVE-2022-4304,CVE-2022-4450,CVE-2023-0215,CVE-2023-0286

				7250,CVE-2007-3108,CVE-2007-4995,CVE-2007-5135,CVE-2008-0166,CVE-2008-0891,CVE-2008-1672,CVE-2008-1678,CVE-2008-5077,CVE-2008-7270,CVE-2009-0590,CVE-2009-0591,CVE-2009-0653,CVE-2009-0789,CVE-2009-1377,CVE-2009-1378,CVE-2009-1379,CVE-2009-1386,CVE-2009-1387,CVE-2009-2409,CVE-2009-3245,CVE-2009-3555,CVE-2009-4355,CVE-2010-0433,CVE-2010-0740,CVE-2010-0742,CVE-2010-0928,CVE-2010-1633,CVE-2010-2939,CVE-2010-3864,CVE-2010-4180,CVE-2010-4252,CVE-2010-5298,CVE-2011-0014,CVE-2011-1473,CVE-2011-1945,CVE-2011-	
--	--	--	--	--	--

				3207,CVE-2011- 3210,CVE-2011- 4108,CVE-2011- 4109,CVE-2011- 4354,CVE-2011- 4576,CVE-2011- 4577,CVE-2011- 4619,CVE-2011- 5095,CVE-2012- 0027,CVE-2012- 0050,CVE-2012- 0884,CVE-2012- 1165,CVE-2012- 2110,CVE-2012- 2131,CVE-2012- 2333,CVE-2012- 2686,CVE-2013- 0166,CVE-2013- 0169,CVE-2013- 4353,CVE-2013- 6449,CVE-2013- 6450,CVE-2014- 0076,CVE-2014- 0160,CVE-2014- 0195,CVE-2014- 0198,CVE-2014- 0221,CVE-2014- 0224,CVE-2014- 3470,CVE-2014- 3505,CVE-2014- 3506,CVE-2014- 3507,CVE-2014- 3508,CVE-2014- 3509,CVE-2014- 3510,CVE-2014- 3511,CVE-2014-	
--	--	--	--	--	--

				3512,CVE-2014- 3513,CVE-2014- 3566,CVE-2014- 3567,CVE-2014- 3568,CVE-2014- 3569,CVE-2014- 3570,CVE-2014- 3571,CVE-2014- 3572,CVE-2014- 5139,CVE-2014- 8176,CVE-2014- 8275,CVE-2015- 0204,CVE-2015- 0205,CVE-2015- 0206,CVE-2015- 0207,CVE-2015- 0208,CVE-2015- 0209,CVE-2015- 0285,CVE-2015- 0286,CVE-2015- 0287,CVE-2015- 0288,CVE-2015- 0289,CVE-2015- 0290,CVE-2015- 0291,CVE-2015- 0292,CVE-2015- 0293,CVE-2015- 1787,CVE-2015- 1788,CVE-2015- 1789,CVE-2015- 1790,CVE-2015- 1791,CVE-2015- 1792,CVE-2015- 1793,CVE-2015- 1794,CVE-2015- 3193,CVE-2015-	
--	--	--	--	--	--

				3194,CVE-2015-3195,CVE-2015-3196,CVE-2015-3197,CVE-2015-3216,CVE-2015-4000,CVE-2016-0701,CVE-2016-0702,CVE-2016-0703,CVE-2016-0704,CVE-2016-0705,CVE-2016-0797,CVE-2016-0798,CVE-2016-0799,CVE-2016-0800,CVE-2016-2105,CVE-2016-2106,CVE-2016-2107,CVE-2016-2108,CVE-2016-2109,CVE-2016-2176,CVE-2016-2177,CVE-2016-2178,CVE-2016-2179,CVE-2016-2180,CVE-2016-2181,CVE-2016-2182,CVE-2016-2183,CVE-2016-2842,CVE-2016-6302,CVE-2016-6303,CVE-2016-6304,CVE-2016-6305,CVE-2016-6306,CVE-2016-6307,CVE-2016-6308,CVE-2016-	
--	--	--	--	--	--

				6309,CVE-2016-7052,CVE-2016-7053,CVE-2016-7054,CVE-2016-7055,CVE-2016-7056,CVE-2016-8610,CVE-2017-3730,CVE-2017-3731,CVE-2017-3732,CVE-2017-3733,CVE-2017-3735,CVE-2017-3736,CVE-2017-3737,CVE-2017-3738,CVE-2018-0732,CVE-2018-0733,CVE-2018-0734,CVE-2018-0735,CVE-2018-0737,CVE-2018-0739,CVE-2018-5407,CVE-2019-1543,CVE-2019-1547,CVE-2019-1549,CVE-2019-1551,CVE-2019-1552,CVE-2019-1559,CVE-2019-1563,CVE-2020-1967,CVE-2020-1968,CVE-2020-1971,CVE-2021-23839,CVE-2021-23840,CVE-2021-23841,CVE-2021-3449,CVE-2021-	
--	--	--	--	---	--

				3450,CVE-2021-3711,CVE-2021-3712,CVE-2021-4044,CVE-2021-4160,CVE-2022-0778,CVE-2022-1343,CVE-2022-1434,CVE-2022-1473,CVE-2022-2274,CVE-2022-3358,CVE-2022-3602,CVE-2022-3786,CVE-2022-3996,CVE-2022-4203,CVE-2023-0216,CVE-2023-0217,CVE-2023-0401	
openssl-bin	1.1.1n	openssl	openssl		
openssl-conf	1.1.1n	openssl	openssl		
packagegroup-core-boot	1	packagegroup-core-boot	MIT		
packagegroup-swi-image-target	1	packagegroup-swi-image-target	MIT		
pimd	2.3.2	pimd	BSD-3-Clause	CVE-2011-0007	
popt	1.16	popt	MIT		
powerapp	1	powerapp	Apache-2.0		
powerapp-powerconfig	1	powerapp	Apache-2.0		
powerapp-reboot	1	powerapp	Apache-2.0		
powerapp-shutdown	1	powerapp	Apache-2.0		

ppp	2.4.7	ppp	BSD & GPLv2+ & LGPLv2+ & PD	CVE-2008-5366,CVE-2015-3310,CVE-2020-15704,CVE-2020-8597	CVE-2022-4603
procps	3.3.16	procps	GPLv2+ & LGPLv2+	CVE-2018-1121	
psm	git	psm	Qualcomm-Technologies -Inc.- Proprietary		
pugixml	1.8	pugixml	MIT		
qmi	git	qmi	Qualcomm-Technologies -Inc.- Proprietary		
qmi-client-helper	git	qmi-client-helper	Qualcomm-Technologies -Inc.- Proprietary		
qmi-framework	git	qmi-framework	Qualcomm-Technologies -Inc.- Proprietary		
qmi-framework-vendor	git	qmi-framework-vendor	Qualcomm-Technologies -Inc.- Proprietary		
qmi-shutdown-modem	git	qmi-shutdown-modem	Qualcomm-Technologies -Inc.- Proprietary		
qmi-simple-ril	git	qmi-simple-ril	Qualcomm-Technologies -Inc.- Proprietary		

qmuxd	git	qmuxd	Qualcomm-Technologies-Inc.-Proprietary		
reboot-daemon	1	reboot-daemon	BSD		
rng-tools	6.9	rng-tools	GPLv2		
run-postinsts	1	run-postinsts	MIT		
securemsm	git	securemsm	Qualcomm-Technologies-Inc.-Proprietary		
securemsm-noship	1	securemsm-noship	Qualcomm-Technologies-Inc.-Proprietary		
shadow	4.8.1	shadow	BSD-3-Clause Artistic-1.0	CVE-2004-1001,CVE-2005-4890,CVE-2006-1174,CVE-2006-1844,CVE-2008-5394,CVE-2011-0721,CVE-2013-4235,CVE-2016-6252,CVE-2017-12424,CVE-2017-20002,CVE-2018-16588,CVE-2018-7169,CVE-2019-16110,CVE-2019-19882	
shadow-base	4.8.1	shadow	BSD-3-Clause Artistic-1.0		
shadow-securetty	4.6	shadow-securetty	MIT		
shared-mime-info	1.15	shared-mime-info	GPLv2		
sierra	git	sierra	SierraWireless-Proprietary	CVE-2014-5136,CVE-2014-5137,CVE-2014-5138	
sierra-init-tiwifi	1	sierra-init-tiwifi	MPL-2.0		
sierra-lowtempfix	git	sierra	SierraWireless-Proprietary		
sierra-m2m-init	1	sierra-m2m-init	SierraWireless-Proprietary		

sierra-timeservices	1	sierra-timeservices	SierraWireless-Proprietary		
start-scripts-find-partitions	1	start-scripts-find-partitions	BSD		
start-scripts-firmware-links	1	start-scripts-firmware-links	BSD		
start-scripts-ipa-fws	1	start-scripts-ipa-fws	Qualcomm-Technologies-Inc.-Proprietary		
start-scripts-mssboot	1	start-scripts-mssboot	Qualcomm-Technologies-Inc.-Proprietary		
start-scripts-qseecomd-daemon	1	start-scripts-qseecomd-daemon	Qualcomm-Technologies-Inc.-Proprietary		
swicert	git	swicert	SierraWireless-Proprietary		
swidssd	git	swidssd	SierraWireless-Proprietary		
system-core-adbd	1	system-core	Apache-2.0		
system-core-libcutils	1	system-core	Apache-2.0		
system-core-liblog	1	system-core	Apache-2.0		
system-core-usb	1	system-core	Apache-2.0		
thermal-engine	git	thermal-engine	Qualcomm-Technologies-Inc.-Proprietary		
ti-wifi-utils-wl18xx	1	ti-wifi-utils-wl18xx	BSD		

time-genoff	git	time-genoff	Qualcomm-Technologies -Inc.- Proprietary		
time-services	git	time-services	Qualcomm-Technologies -Inc.- Proprietary		
tinyalsa	git	tinyalsa	BSD		
tzdata	2018d	tzdata	PD & BSD & BSD-3-Clause		
tzone-utils	1	tzone-utils	MPLv2		
update-alternatives-opkg	0.4.2	opkg-utils	GPLv2+		
update-ld-cache	1	update-ld-cache	MPLv2		
update-rc.d	0.8	update-rc.d	GPLv2+		
util-linux-libblkid	2.35.1	util-linux	GPLv2+ & LGPLv2.1+ & BSD-3-Clause & BSD-4- Clause		
util-linux-libmount	2.35.1	util-linux	GPLv2+ & LGPLv2.1+ & BSD-3-Clause & BSD-4- Clause		
util-linux-libuuid	2.35.1	util-linux	GPLv2+ & LGPLv2.1+ & BSD-3-Clause & BSD-4- Clause		
wl18xx-fw	1	wl18xx-fw	TI-TSPA		
wlconf	8.7.3	wlconf	GPLv2		

wpa-supPLICant	2.9	wpa-supPLICant	BSD-3-Clause	CVE-2005-0470,CVE-2007-6025,CVE-2014-3686,CVE-2015-0210,CVE-2015-1863,CVE-2015-4141,CVE-2015-4142,CVE-2015-4143,CVE-2015-4144,CVE-2015-4145,CVE-2015-4146,CVE-2015-5314,CVE-2015-5315,CVE-2015-5316,CVE-2015-8041,CVE-2016-4476,CVE-2017-13077,CVE-2017-13078,CVE-2017-13079,CVE-2017-13080,CVE-2017-13081,CVE-2017-13082,CVE-2017-13084,CVE-2017-13086,CVE-2017-13087,CVE-2017-13088,CVE-2018-14526,CVE-2019-11555,CVE-2019-16275,CVE-2019-9494,CVE-2019-9495,CVE-2019-9496,CVE-2019-9497,CVE-2019-9498,CVE-2019-9499,CVE-2020-12695,CVE-2021-0326,CVE-2021-27803,CVE-2021-30004,CVE-2022-23303,CVE-2022-23304	
wpa-supPLICant-cli	2.9	wpa-supPLICant	BSD-3-Clause		
wpa-supPLICant-passphrase	2.9	wpa-supPLICant	BSD-3-Clause		
xmlLIB	git	xmlLIB	Qualcomm-Technologies-Inc.-Proprietary		
zlib	1.2.11	zlib	Zlib	CVE-2002-0059,CVE-2003-0107,CVE-2004-0797,CVE-2005-1849,CVE-2005-2096,CVE-2016-9840,CVE-2016-9841,CVE-2016-9842,CVE-2016-9843	CVE-2018-25032,CVE-2022-37434
acl	2.2.53	---	---	CVE-2009-4411	
acl-native	2.2.53	---	---	CVE-2009-4411	
automake-native	1.16.1	---	---	CVE-2009-4029,CVE-2012-3386	

bash	5	---	---	CVE-1999-0491,CVE-1999-1383,CVE-2010-0002,CVE-2012-3410,CVE-2012-6711,CVE-2014-6271,CVE-2014-6277,CVE-2014-6278,CVE-2014-7169,CVE-2014-7186,CVE-2014-7187,CVE-2016-0634,CVE-2016-7543,CVE-2016-9401,CVE-2017-5932,CVE-2019-18276,CVE-2019-9924,CVE-2022-3715
binutils-cross-arm	2.34	---	---	CVE-2005-4807,CVE-2005-4808,CVE-2006-2362,CVE-2012-3509,CVE-2014-8484,CVE-2014-8485,CVE-2014-8501,CVE-2014-8502,CVE-2014-8503,CVE-2014-8504,CVE-2014-8737,CVE-2014-8738,CVE-2014-9939,CVE-2017-12448,CVE-2017-12449,CVE-2017-12450,CVE-2017-12451,CVE-2017-12452,CVE-2017-12453,CVE-2017-12454,CVE-2017-12455,CVE-2017-12456,CVE-2017-12457,CVE-2017-12458,CVE-2017-12459,CVE-2017-12799,CVE-2017-12967,CVE-2017-13710,CVE-2017-13716,CVE-2017-13757,CVE-2017-2022-38533,CVE-2022-4285

				14128,CVE-2017- 14129,CVE-2017- 14130,CVE-2017- 14333,CVE-2017- 14529,CVE-2017- 14729,CVE-2017- 14745,CVE-2017- 14930,CVE-2017- 14932,CVE-2017- 14933,CVE-2017- 14934,CVE-2017- 14938,CVE-2017- 14939,CVE-2017- 14940,CVE-2017- 14974,CVE-2017- 15020,CVE-2017- 15021,CVE-2017- 15022,CVE-2017- 15023,CVE-2017- 15024,CVE-2017- 15025,CVE-2017- 15225,CVE-2017- 15938,CVE-2017- 15939,CVE-2017- 15996,CVE-2017- 16826,CVE-2017- 16827,CVE-2017- 16828,CVE-2017- 16829,CVE-2017- 16830,CVE-2017- 16831,CVE-2017- 16832,CVE-2017- 17080,CVE-2017- 17121,CVE-2017- 17122,CVE-2017- 17123,CVE-2017-	
--	--	--	--	--	--

				17124,CVE-2017- 17125,CVE-2017- 17126,CVE-2017- 6965,CVE-2017- 6966,CVE-2017- 6969,CVE-2017- 7209,CVE-2017- 7210,CVE-2017- 7223,CVE-2017- 7224,CVE-2017- 7225,CVE-2017- 7226,CVE-2017- 7227,CVE-2017- 7299,CVE-2017- 7300,CVE-2017- 7301,CVE-2017- 7302,CVE-2017- 7303,CVE-2017- 7304,CVE-2017- 7614,CVE-2017- 8392,CVE-2017- 8393,CVE-2017- 8394,CVE-2017- 8395,CVE-2017- 8396,CVE-2017- 8397,CVE-2017- 8398,CVE-2017- 8421,CVE-2017- 9038,CVE-2017- 9039,CVE-2017- 9040,CVE-2017- 9041,CVE-2017- 9042,CVE-2017- 9043,CVE-2017- 9044,CVE-2017- 9742,CVE-2017-	
--	--	--	--	---	--

				9743,CVE-2017- 9744,CVE-2017- 9745,CVE-2017- 9746,CVE-2017- 9747,CVE-2017- 9748,CVE-2017- 9749,CVE-2017- 9750,CVE-2017- 9751,CVE-2017- 9752,CVE-2017- 9753,CVE-2017- 9754,CVE-2017- 9755,CVE-2017- 9756,CVE-2017- 9954,CVE-2017- 9955,CVE-2018- 1000876,CVE-2018- 10372,CVE-2018- 10373,CVE-2018- 10534,CVE-2018- 10535,CVE-2018- 12641,CVE-2018- 12697,CVE-2018- 12698,CVE-2018- 12699,CVE-2018- 12934,CVE-2018- 13033,CVE-2018- 17358,CVE-2018- 17359,CVE-2018- 17360,CVE-2018- 17794,CVE-2018- 17985,CVE-2018- 18309,CVE-2018- 18483,CVE-2018- 18484,CVE-2018- 18605,CVE-2018-	
--	--	--	--	--	--

				18606,CVE-2018- 18607,CVE-2018- 18700,CVE-2018- 18701,CVE-2018- 19931,CVE-2018- 19932,CVE-2018- 20002,CVE-2018- 20623,CVE-2018- 20651,CVE-2018- 20657,CVE-2018- 20671,CVE-2018- 20673,CVE-2018- 20712,CVE-2018- 6323,CVE-2018- 6543,CVE-2018- 6759,CVE-2018- 6872,CVE-2018- 7208,CVE-2018- 7568,CVE-2018- 7569,CVE-2018- 7570,CVE-2018- 7642,CVE-2018- 7643,CVE-2018- 8945,CVE-2018- 9138,CVE-2018- 9996,CVE-2019- 1010204,CVE-2019- 12972,CVE-2019- 14250,CVE-2019- 14444,CVE-2019- 17450,CVE-2019- 17451,CVE-2019- 9070,CVE-2019- 9071,CVE-2019- 9072,CVE-2019- 9073,CVE-2019-	
--	--	--	--	---	--

				9074,CVE-2019-9075,CVE-2019-9076,CVE-2019-9077,CVE-2020-0551,CVE-2020-16590,CVE-2020-16591,CVE-2020-16592,CVE-2020-16593,CVE-2020-16599,CVE-2020-35448,CVE-2020-35493,CVE-2020-35494,CVE-2020-35495,CVE-2020-35496,CVE-2020-35507,CVE-2021-20197,CVE-2021-20284,CVE-2021-20294,CVE-2021-3487,CVE-2021-3530,CVE-2021-3549,CVE-2021-37322,CVE-2021-45078	
binutils-native	2.34	---	---	CVE-2005-4807,CVE-2005-4808,CVE-2006-2362,CVE-2012-3509,CVE-2014-8484,CVE-2014-8485,CVE-2014-8501,CVE-2014-8502,CVE-2014-8503,CVE-2014-8504,CVE-2014-8737,CVE-2014-8738,CVE-2014-9939,CVE-2017-	CVE-2022-38533,CVE-2022-4285

				12448,CVE-2017- 12449,CVE-2017- 12450,CVE-2017- 12451,CVE-2017- 12452,CVE-2017- 12453,CVE-2017- 12454,CVE-2017- 12455,CVE-2017- 12456,CVE-2017- 12457,CVE-2017- 12458,CVE-2017- 12459,CVE-2017- 12799,CVE-2017- 12967,CVE-2017- 13710,CVE-2017- 13716,CVE-2017- 13757,CVE-2017- 14128,CVE-2017- 14129,CVE-2017- 14130,CVE-2017- 14333,CVE-2017- 14529,CVE-2017- 14729,CVE-2017- 14745,CVE-2017- 14930,CVE-2017- 14932,CVE-2017- 14933,CVE-2017- 14934,CVE-2017- 14938,CVE-2017- 14939,CVE-2017- 14940,CVE-2017- 14974,CVE-2017- 15020,CVE-2017- 15021,CVE-2017- 15022,CVE-2017- 15023,CVE-2017-	
--	--	--	--	--	--

				15024,CVE-2017- 15025,CVE-2017- 15225,CVE-2017- 15938,CVE-2017- 15939,CVE-2017- 15996,CVE-2017- 16826,CVE-2017- 16827,CVE-2017- 16828,CVE-2017- 16829,CVE-2017- 16830,CVE-2017- 16831,CVE-2017- 16832,CVE-2017- 17080,CVE-2017- 17121,CVE-2017- 17122,CVE-2017- 17123,CVE-2017- 17124,CVE-2017- 17125,CVE-2017- 17126,CVE-2017- 6965,CVE-2017- 6966,CVE-2017- 6969,CVE-2017- 7209,CVE-2017- 7210,CVE-2017- 7223,CVE-2017- 7224,CVE-2017- 7225,CVE-2017- 7226,CVE-2017- 7227,CVE-2017- 7299,CVE-2017- 7300,CVE-2017- 7301,CVE-2017- 7302,CVE-2017- 7303,CVE-2017- 7304,CVE-2017-	
--	--	--	--	--	--

				7614,CVE-2017-8392,CVE-2017-8393,CVE-2017-8394,CVE-2017-8395,CVE-2017-8396,CVE-2017-8397,CVE-2017-8398,CVE-2017-8421,CVE-2017-9038,CVE-2017-9039,CVE-2017-9040,CVE-2017-9041,CVE-2017-9042,CVE-2017-9043,CVE-2017-9044,CVE-2017-9742,CVE-2017-9743,CVE-2017-9744,CVE-2017-9745,CVE-2017-9746,CVE-2017-9747,CVE-2017-9748,CVE-2017-9749,CVE-2017-9750,CVE-2017-9751,CVE-2017-9752,CVE-2017-9753,CVE-2017-9754,CVE-2017-9755,CVE-2017-9756,CVE-2017-9954,CVE-2017-9955,CVE-2018-1000876,CVE-2018-10372,CVE-2018-10373,CVE-2018-	
--	--	--	--	---	--

				10534,CVE-2018- 10535,CVE-2018- 12641,CVE-2018- 12697,CVE-2018- 12698,CVE-2018- 12699,CVE-2018- 12934,CVE-2018- 13033,CVE-2018- 17358,CVE-2018- 17359,CVE-2018- 17360,CVE-2018- 17794,CVE-2018- 17985,CVE-2018- 18309,CVE-2018- 18483,CVE-2018- 18484,CVE-2018- 18605,CVE-2018- 18606,CVE-2018- 18607,CVE-2018- 18700,CVE-2018- 18701,CVE-2018- 19931,CVE-2018- 19932,CVE-2018- 20002,CVE-2018- 20623,CVE-2018- 20651,CVE-2018- 20657,CVE-2018- 20671,CVE-2018- 20673,CVE-2018- 20712,CVE-2018- 6323,CVE-2018- 6543,CVE-2018- 6759,CVE-2018- 6872,CVE-2018- 7208,CVE-2018- 7568,CVE-2018-	
--	--	--	--	--	--

				7569,CVE-2018- 7570,CVE-2018- 7642,CVE-2018- 7643,CVE-2018- 8945,CVE-2018- 9138,CVE-2018- 9996,CVE-2019- 1010204,CVE-2019- 12972,CVE-2019- 14250,CVE-2019- 14444,CVE-2019- 17450,CVE-2019- 17451,CVE-2019- 9070,CVE-2019- 9071,CVE-2019- 9072,CVE-2019- 9073,CVE-2019- 9074,CVE-2019- 9075,CVE-2019- 9076,CVE-2019- 9077,CVE-2020- 0551,CVE-2020- 16590,CVE-2020- 16591,CVE-2020- 16592,CVE-2020- 16593,CVE-2020- 16599,CVE-2020- 35448,CVE-2020- 35493,CVE-2020- 35494,CVE-2020- 35495,CVE-2020- 35496,CVE-2020- 35507,CVE-2021- 20197,CVE-2021- 20284,CVE-2021- 20294,CVE-2021-	
--	--	--	--	--	--

				3487,CVE-2021-3530,CVE-2021-3549,CVE-2021-37322,CVE-2021-45078	
bison-native	3.5.4	---	---	CVE-2020-14150,CVE-2020-24240	
bsdiff-native	4.3-22	---	---	CVE-2020-14315	
bzip2-native	1.0.8	---	---	CVE-2002-0759,CVE-2002-0760,CVE-2002-0761,CVE-2005-0953,CVE-2005-1260,CVE-2008-1372,CVE-2010-0405,CVE-2011-4089,CVE-2016-3189,CVE-2019-12900,CVE-2023-22895	
cmake-native	3.16.5	---	---	CVE-2016-10642	
common	git	---	---	CVE-2015-5723,CVE-2018-14065	CVE-2021-32631
coreutils	8.31	---	---	CVE-2005-1039,CVE-2008-1946,CVE-2009-4135,CVE-2014-9471,CVE-2015-1865,CVE-2015-4041,CVE-2015-4042,CVE-2016-2781,CVE-2017-18018	
coreutils-native	8.31	---	---	CVE-2005-1039,CVE-2008-1946,CVE-2009-4135,CVE-2014-9471,CVE-2015-1865,CVE-2015-4041,CVE-2015-4042,CVE-2016-2781,CVE-2017-18018	
cpio-native	2.13	---	---	CVE-2005-1111,CVE-2005-1229,CVE-2005-4268,CVE-2010-0624,CVE-2010-4226,CVE-2014-9112,CVE-2015-1197,CVE-2016-2037,CVE-2019-14866,CVE-2021-38185	
cryptsetup-native	2.3.2	---	---	CVE-2016-4484,CVE-2020-14382	CVE-2021-4122
curl-native	7.69.1	---	---	CVE-2000-0973,CVE-2003-1605,CVE-2005-0490,CVE-2005-3185,CVE-2005-4077,CVE-2006-1061,CVE-2007-3564,CVE-2009-0037,CVE-2009-2417,CVE-2010-0734,CVE-2010-	CVE-2022-22576,CVE-2022-27774,CVE-2022-27775,CVE-2022-27776,CVE-2022-27781,CVE-2022-27782,CVE-2022-32206,CVE-2022-32207,CVE-2022-32208,CVE-2022-32221,CVE-2022-

				3842,CVE-2011-2192,CVE-2011-3389,CVE-2012-0036,CVE-2013-0249,CVE-2013-1944,CVE-2013-2174,CVE-2013-4545,CVE-2013-6422,CVE-2014-0015,CVE-2014-0138,CVE-2014-0139,CVE-2014-2522,CVE-2014-3613,CVE-2014-3620,CVE-2014-3707,CVE-2014-8150,CVE-2014-8151,CVE-2015-3143,CVE-2015-3144,CVE-2015-3145,CVE-2015-3148,CVE-2015-3153,CVE-2015-3236,CVE-2015-3237,CVE-2016-0754,CVE-2016-0755,CVE-2016-3739,CVE-2016-4606,CVE-2016-4802,CVE-2016-5419,CVE-2016-5420,CVE-2016-5421,CVE-2016-7141,CVE-2016-7167,CVE-2016-8615,CVE-2016-	35252,CVE-2022-43552,CVE-2023-23916
--	--	--	--	--	-------------------------------------

				8616,CVE-2016- 8617,CVE-2016- 8618,CVE-2016- 8619,CVE-2016- 8620,CVE-2016- 8621,CVE-2016- 8622,CVE-2016- 8623,CVE-2016- 8624,CVE-2016- 8625,CVE-2016- 9586,CVE-2016- 9594,CVE-2016- 9952,CVE-2016- 9953,CVE-2017- 1000099,CVE-2017- 1000100,CVE-2017- 1000101,CVE-2017- 1000254,CVE-2017- 1000257,CVE-2017- 2628,CVE-2017- 2629,CVE-2017- 7407,CVE-2017- 7468,CVE-2017- 8816,CVE-2017- 8817,CVE-2017- 8818,CVE-2017- 9502,CVE-2018- 0500,CVE-2018- 1000005,CVE-2018- 1000007,CVE-2018- 1000120,CVE-2018- 1000121,CVE-2018- 1000122,CVE-2018- 1000300,CVE-2018- 1000301,CVE-2018- 14618,CVE-2018-	
--	--	--	--	---	--

				16839,CVE-2018- 16840,CVE-2018- 16842,CVE-2018- 16890,CVE-2019- 3822,CVE-2019- 3823,CVE-2019- 5435,CVE-2019- 5436,CVE-2019- 5443,CVE-2019- 5481,CVE-2019- 5482,CVE-2020- 8169,CVE-2020- 8177,CVE-2020- 8231,CVE-2020- 8284,CVE-2020- 8285,CVE-2020- 8286,CVE-2021- 22876,CVE-2021- 22890,CVE-2021- 22897,CVE-2021- 22898,CVE-2021- 22901,CVE-2021- 22922,CVE-2021- 22923,CVE-2021- 22924,CVE-2021- 22925,CVE-2021- 22926,CVE-2021- 22945,CVE-2021- 22946,CVE-2021- 22947,CVE-2022- 27778,CVE-2022- 27779,CVE-2022- 27780,CVE-2022- 30115,CVE-2022- 32205,CVE-2022- 35260,CVE-2022-	
--	--	--	--	---	--

				42915,CVE-2022-42916,CVE-2022-43551,CVE-2023-23914,CVE-2023-23915	
db	1_5.3.28	---	---	CVE-2017-3604,CVE-2017-3605,CVE-2017-3606,CVE-2017-3607,CVE-2017-3608,CVE-2017-3609,CVE-2017-3610,CVE-2017-3611,CVE-2017-3612,CVE-2017-3613,CVE-2017-3614,CVE-2017-3615,CVE-2017-3616,CVE-2017-3617,CVE-2019-2708,CVE-2019-2760,CVE-2019-2868,CVE-2019-2869,CVE-2019-2870,CVE-2019-2871	CVE-2015-2583,CVE-2015-2624,CVE-2015-2626,CVE-2015-2640,CVE-2015-2654,CVE-2015-2656,CVE-2015-4754,CVE-2015-4764,CVE-2015-4774,CVE-2015-4775,CVE-2015-4776,CVE-2015-4777,CVE-2015-4778,CVE-2015-4779,CVE-2015-4780,CVE-2015-4781,CVE-2015-4782,CVE-2015-4783,CVE-2015-4784,CVE-2015-4785,CVE-2015-4786,CVE-2015-4787,CVE-2015-4788,CVE-2015-4789,CVE-2015-4790,CVE-2016-0682,CVE-2016-0689,CVE-2016-0692,CVE-2016-0694,CVE-2016-3418,CVE-2020-2981
db-native	1_5.3.28	---	---	CVE-2017-3604,CVE-2017-3605,CVE-2017-	CVE-2015-2583,CVE-2015-2624,CVE-2015-

				3606,CVE-2017-3607,CVE-2017-3608,CVE-2017-3609,CVE-2017-3610,CVE-2017-3611,CVE-2017-3612,CVE-2017-3613,CVE-2017-3614,CVE-2017-3615,CVE-2017-3616,CVE-2017-3617,CVE-2019-2708,CVE-2019-2760,CVE-2019-2868,CVE-2019-2869,CVE-2019-2870,CVE-2019-2871	2626,CVE-2015-2640,CVE-2015-2654,CVE-2015-2656,CVE-2015-4754,CVE-2015-4764,CVE-2015-4774,CVE-2015-4775,CVE-2015-4776,CVE-2015-4777,CVE-2015-4778,CVE-2015-4779,CVE-2015-4780,CVE-2015-4781,CVE-2015-4782,CVE-2015-4783,CVE-2015-4784,CVE-2015-4785,CVE-2015-4786,CVE-2015-4787,CVE-2015-4788,CVE-2015-4789,CVE-2015-4790,CVE-2016-0682,CVE-2016-0689,CVE-2016-0692,CVE-2016-0694,CVE-2016-3418,CVE-2020-2981
dbus	1.12.20	---	---	CVE-2008-0595,CVE-2008-3834,CVE-2008-4311,CVE-2009-1189,CVE-2011-2533,CVE-2019-12749,CVE-2020-12049	
dbus-native	1.12.20	---	---	CVE-2008-0595,CVE-2008-3834,CVE-2008-4311,CVE-2009-1189,CVE-2011-2533,CVE-2019-12749,CVE-2020-12049	
e2fsprogs	1.45.7	---	---	CVE-2007-5497,CVE-2015-0247,CVE-2015-	

				1572,CVE-2019-5094,CVE-2019-5188,CVE-2022-1304	
e2fsprogs-native	1.45.7	---	---	CVE-2007-5497,CVE-2015-0247,CVE-2015-1572,CVE-2019-5094,CVE-2019-5188,CVE-2022-1304	
elfutils	0.178	---	---	CVE-2014-0172,CVE-2014-9447,CVE-2016-10254,CVE-2016-10255,CVE-2017-7607,CVE-2017-7608,CVE-2017-7609,CVE-2017-7610,CVE-2017-7611,CVE-2017-7612,CVE-2017-7613,CVE-2018-16062,CVE-2018-16402,CVE-2018-16403,CVE-2018-18310,CVE-2018-18520,CVE-2018-18521,CVE-2018-8769,CVE-2019-7146,CVE-2019-7148,CVE-2019-7149,CVE-2019-7150,CVE-2019-7664,CVE-2019-7665	
elfutils-native	0.178	---	---	CVE-2014-0172,CVE-2014-9447,CVE-2016-10254,CVE-2016-10255,CVE-2017-7607,CVE-2017-7608,CVE-2017-7609,CVE-2017-7610,CVE-2017-7611,CVE-2017-7612,CVE-2017-7613,CVE-2018-16062,CVE-2018-16402,CVE-2018-16403,CVE-2018-18310,CVE-2018-18520,CVE-2018-18521,CVE-2018-8769,CVE-2019-7146,CVE-2019-7148,CVE-2019-7149,CVE-2019-7150,CVE-2019-7664,CVE-2019-7665	
expat	2.2.9	---	---	CVE-2009-3560,CVE-2009-3720,CVE-2012-0876,CVE-2012-1147,CVE-2012-1148,CVE-2012-6702,CVE-2013-0340,CVE-2015-1283,CVE-2016-0718,CVE-2016-4472,CVE-2016-5300,CVE-2017-11742,CVE-2017-	CVE-2022-40674,CVE-2022-43680

				9233,CVE-2018-20843,CVE-2019-15903,CVE-2021-45960,CVE-2021-46143,CVE-2022-22822,CVE-2022-22823,CVE-2022-22824,CVE-2022-22825,CVE-2022-22826,CVE-2022-22827,CVE-2022-23852,CVE-2022-23990,CVE-2022-25235,CVE-2022-25236,CVE-2022-25313,CVE-2022-25314,CVE-2022-25315	
expat-native	2.2.9	---	---	CVE-2009-3560,CVE-2009-3720,CVE-2012-0876,CVE-2012-1147,CVE-2012-1148,CVE-2012-6702,CVE-2013-0340,CVE-2015-1283,CVE-2016-0718,CVE-2016-4472,CVE-2016-5300,CVE-2017-11742,CVE-2017-9233,CVE-2018-20843,CVE-2019-15903,CVE-2021-45960,CVE-2021-46143,CVE-2022-22822,CVE-2022-22823,CVE-2022-	CVE-2022-40674,CVE-2022-43680

				22824,CVE-2022-22825,CVE-2022-22826,CVE-2022-22827,CVE-2022-23852,CVE-2022-23990,CVE-2022-25235,CVE-2022-25236,CVE-2022-25313,CVE-2022-25314,CVE-2022-25315	
file-native	5.38	---	---	CVE-2003-0102,CVE-2004-1304,CVE-2007-1536,CVE-2007-2026,CVE-2007-2799,CVE-2009-1515,CVE-2009-3930,CVE-2012-1571,CVE-2013-7345,CVE-2014-0207,CVE-2014-2270,CVE-2014-3478,CVE-2014-3479,CVE-2014-3480,CVE-2014-3487,CVE-2014-3538,CVE-2014-3587,CVE-2014-8116,CVE-2014-8117,CVE-2014-9620,CVE-2014-9621,CVE-2014-9652,CVE-2014-9653,CVE-2017-1000249,CVE-2018-10360,CVE-2019-18218,CVE-2019-8904,CVE-2019-8905,CVE-2019-8906,CVE-2019-8907	
findutils	4.7.0	---	---	CVE-2001-1036,CVE-2007-2452	
flex-native	2.6.4	---	---	CVE-2016-6354,CVE-2019-6293	
gcc	9.3.0	---	---	CVE-1999-1439,CVE-2000-1219,CVE-2002-2439,CVE-2006-1902,CVE-2008-1367,CVE-2008-1685,CVE-2013-4598,CVE-2015-5276,CVE-2017-11671,CVE-2018-12886,CVE-2019-15847,CVE-2021-37322,CVE-2021-3826,CVE-2021-46195,CVE-2022-27943	
gcc-cross-arm	9.3.0	---	---	CVE-1999-1439,CVE-2000-1219,CVE-2002-2439,CVE-2006-1902,CVE-2008-1367,CVE-2008-1685,CVE-2013-4598,CVE-2015-5276,CVE-2017-11671,CVE-2018-12886,CVE-2019-15847,CVE-2021-37322,CVE-2021-3826,CVE-2021-46195,CVE-2022-27943	
gcc-runtime	9.3.0	---	---	CVE-1999-1439,CVE-2000-1219,CVE-2002-2439,CVE-2006-1902,CVE-2008-1367,CVE-2008-1685,CVE-2013-	

				4598,CVE-2015-5276,CVE-2017-11671,CVE-2018-12886,CVE-2019-15847,CVE-2021-37322,CVE-2021-3826,CVE-2021-46195,CVE-2022-27943	
gcc-source-9.3.0	9.3.0	---	---	CVE-1999-1439,CVE-2000-1219,CVE-2002-2439,CVE-2006-1902,CVE-2008-1367,CVE-2008-1685,CVE-2013-4598,CVE-2015-5276,CVE-2017-11671,CVE-2018-12886,CVE-2019-14250,CVE-2019-15847,CVE-2020-13844,CVE-2021-37322,CVE-2021-3826,CVE-2021-46195,CVE-2022-27943	
gdb	9.1	---	---	CVE-2005-1704,CVE-2005-1705,CVE-2006-4146,CVE-2011-4355,CVE-2017-9778,CVE-2019-1010180	
gettext-native	0.20.1	---	---	CVE-2004-0966,CVE-2018-18751	
glib-2.0-native	1_2.62.6	---	---	CVE-2008-4316,CVE-2009-3289,CVE-2012-0039,CVE-2018-16428,CVE-2018-16429,CVE-2019-12450,CVE-2019-13012,CVE-2019-9633,CVE-2020-35457,CVE-2020-6750,CVE-2021-27218,CVE-2021-27219,CVE-2021-28153	CVE-2021-3800
gmp	6.2.0	---	---	CVE-2021-43618	
gmp-native	6.2.0	---	---	CVE-2021-43618	
iperf3	3.7	---	---	CVE-2016-4303	
json-c-native	0.13.1	---	---	CVE-2013-6370,CVE-2013-6371,CVE-2020-12762	
libarchive-native	3.4.2	---	---	CVE-2007-3641,CVE-2007-3644,CVE-2007-3645,CVE-2010-4666,CVE-2011-1777,CVE-2011-	CVE-2021-23177,CVE-2021-31566,CVE-2022-36227

				1778,CVE-2011- 1779,CVE-2013- 0211,CVE-2015- 2304,CVE-2015- 8915,CVE-2015- 8916,CVE-2015- 8917,CVE-2015- 8918,CVE-2015- 8919,CVE-2015- 8920,CVE-2015- 8921,CVE-2015- 8922,CVE-2015- 8923,CVE-2015- 8924,CVE-2015- 8925,CVE-2015- 8926,CVE-2015- 8927,CVE-2015- 8928,CVE-2015- 8929,CVE-2015- 8930,CVE-2015- 8931,CVE-2015- 8932,CVE-2015- 8933,CVE-2015- 8934,CVE-2016- 10209,CVE-2016- 10349,CVE-2016- 10350,CVE-2016- 1541,CVE-2016- 4300,CVE-2016- 4301,CVE-2016- 4302,CVE-2016- 4809,CVE-2016- 5418,CVE-2016- 5844,CVE-2016- 6250,CVE-2016- 7166,CVE-2016-	
--	--	--	--	---	--

				8687,CVE-2016-8688,CVE-2016-8689,CVE-2017-14166,CVE-2017-14501,CVE-2017-14502,CVE-2017-14503,CVE-2017-5601,CVE-2018-1000877,CVE-2018-1000878,CVE-2018-1000879,CVE-2018-1000880,CVE-2019-1000019,CVE-2019-1000020,CVE-2019-11463,CVE-2019-18408,CVE-2019-19221,CVE-2020-21674,CVE-2020-9308,CVE-2021-36976,CVE-2022-26280	
libcap-native	2.32	---	---	CVE-2011-4099	
libevent	2.1.11	---	---	CVE-2007-1030,CVE-2014-6272,CVE-2015-6525,CVE-2016-10195,CVE-2016-10196,CVE-2016-10197	
libgcc-initial	9.3.0	---	---	CVE-1999-1439,CVE-2000-1219,CVE-2002-2439,CVE-2006-1902,CVE-2008-1367,CVE-2008-1685,CVE-2013-4598,CVE-2015-5276,CVE-2017-11671,CVE-2018-12886,CVE-2019-15847,CVE-2021-37322,CVE-2021-3826,CVE-2021-46195,CVE-2022-27943	
libpcre2-native	10.34	---	---	CVE-2015-3210,CVE-2015-3217,CVE-2016-3191,CVE-2017-7186,CVE-2017-8399,CVE-2017-8786,CVE-2019-20454	CVE-2022-1586,CVE-2022-1587
libpcre-native	8.44	---	---	CVE-2005-2491,CVE-2005-4872,CVE-2006-7225,CVE-2006-7227,CVE-2006-7228,CVE-2006-7230,CVE-2007-	

				1659,CVE-2007-1660,CVE-2007-1662,CVE-2007-4766,CVE-2007-4767,CVE-2007-4768,CVE-2008-0674,CVE-2008-2371,CVE-2014-8964,CVE-2014-9769,CVE-2015-2325,CVE-2015-2326,CVE-2015-2328,CVE-2015-3210,CVE-2015-3217,CVE-2015-5073,CVE-2015-8391,CVE-2016-1283,CVE-2016-3191,CVE-2017-11164,CVE-2017-16231,CVE-2017-6004,CVE-2017-7186,CVE-2017-7244,CVE-2017-7245,CVE-2017-7246,CVE-2019-20838,CVE-2020-14155	
libsolv-native	0.7.10	---	---	CVE-2018-20532,CVE-2018-20533,CVE-2018-20534,CVE-2019-20387,CVE-2021-3200,CVE-2021-33928,CVE-2021-33929,CVE-2021-33930,CVE-2021-33938,CVE-2021-44568	
libtirpc	1.2.6	---	---	CVE-2013-1950,CVE-2017-8779,CVE-2018-14621,CVE-2018-14622	CVE-2021-46828
libtirpc-native	1.2.6	---	---	CVE-2013-1950,CVE-2017-8779,CVE-2018-14621,CVE-2018-14622	CVE-2021-46828
libtool-cross	2.4.6	---	---	CVE-2004-0256,CVE-2009-3736	
libtool-native	2.4.6	---	---	CVE-2004-0256,CVE-2009-3736	
libxml2-native	2.9.10	---	---	CVE-2003-1564,CVE-2004-0110,CVE-2004-0989,CVE-2008-3281,CVE-2008-3529,CVE-2008-4409,CVE-2009-2414,CVE-2009-2416,CVE-2010-4008,CVE-2010-4494,CVE-2011-1944,CVE-2012-0841,CVE-2012-	CVE-2016-3709,CVE-2022-29824,CVE-2022-40303,CVE-2022-40304

				2871,CVE-2012-5134,CVE-2013-0338,CVE-2013-0339,CVE-2013-1969,CVE-2013-2877,CVE-2014-3660,CVE-2015-5312,CVE-2015-6837,CVE-2015-6838,CVE-2015-7497,CVE-2015-7498,CVE-2015-7499,CVE-2015-7500,CVE-2015-7941,CVE-2015-7942,CVE-2015-8035,CVE-2015-8241,CVE-2015-8242,CVE-2015-8317,CVE-2015-8710,CVE-2015-8806,CVE-2016-1762,CVE-2016-1833,CVE-2016-1834,CVE-2016-1836,CVE-2016-1837,CVE-2016-1838,CVE-2016-1839,CVE-2016-1840,CVE-2016-2073,CVE-2016-3627,CVE-2016-3705,CVE-2016-4447,CVE-2016-4448,CVE-2016-4449,CVE-2016-	
--	--	--	--	--	--

				4483,CVE-2016-4658,CVE-2016-5131,CVE-2016-9318,CVE-2016-9596,CVE-2016-9597,CVE-2016-9598,CVE-2017-15412,CVE-2017-16931,CVE-2017-16932,CVE-2017-18258,CVE-2017-5130,CVE-2017-5969,CVE-2017-7375,CVE-2017-7376,CVE-2017-8872,CVE-2017-9047,CVE-2017-9048,CVE-2017-9049,CVE-2017-9050,CVE-2018-14404,CVE-2018-14567,CVE-2018-9251,CVE-2019-19956,CVE-2019-20388,CVE-2020-24977,CVE-2020-7595,CVE-2021-3517,CVE-2021-3518,CVE-2021-3537,CVE-2021-3541,CVE-2022-23308	
libxslt-native	1.1.34	---	---	CVE-2008-2935,CVE-2011-1202,CVE-2011-3970,CVE-2012-2870,CVE-2012-6139,CVE-2013-	CVE-2021-30560,CVE-2022-29824

				4520,CVE-2015-7995,CVE-2015-9019,CVE-2016-1683,CVE-2016-1684,CVE-2016-4607,CVE-2016-4608,CVE-2016-4609,CVE-2016-4610,CVE-2017-5029,CVE-2019-11068,CVE-2019-13117,CVE-2019-13118,CVE-2019-18197,CVE-2019-5815	
linux-msm	4.14.253	---	---	CVE-1999-0061,CVE-1999-0074,CVE-1999-0128,CVE-1999-0138,CVE-1999-0165,CVE-1999-0171,CVE-1999-0183,CVE-1999-0195,CVE-1999-0216,CVE-1999-0245,CVE-1999-0257,CVE-1999-0317,CVE-1999-0330,CVE-1999-0381,CVE-1999-0400,CVE-1999-0401,CVE-1999-0414,CVE-1999-0431,CVE-1999-0451,CVE-1999-0460,CVE-1999-0461,CVE-1999-0513,CVE-1999-0590,CVE-1999-0628,CVE-1999-0720,CVE-1999-0780,CVE-1999-0781,CVE-1999-0782,CVE-1999-0804,CVE-1999-0986,CVE-1999-1018,CVE-1999-1166,CVE-1999-1225,CVE-1999-1276,CVE-1999-1285,CVE-1999-1339,CVE-1999-1341,CVE-1999-1352,CVE-1999-1441,CVE-1999-1442,CVE-2000-0006,CVE-2000-0227,CVE-2000-0289,CVE-2000-0344,CVE-2000-0506,CVE-2001-0316,CVE-2001-0317,CVE-2001-0405,CVE-2001-0851,CVE-2001-0907,CVE-2001-0914,CVE-2001-1056,CVE-2001-1244,CVE-2001-1273,CVE-2001-1384,CVE-2001-1390,CVE-2001-1391,CVE-2001-1392,CVE-2001-1393,CVE-2001-1394,CVE-2001-1395,CVE-2001-1396,CVE-2001-1397,CVE-2001-1398,CVE-2001-1399,CVE-2001-1400,CVE-2001-	

				1551,CVE-2001-1572,CVE-2002-0046,CVE-2002-0060,CVE-2002-0429,CVE-2002-0499,CVE-2002-0510,CVE-2002-0570,CVE-2002-0704,CVE-2002-1319,CVE-2002-1380,CVE-2002-1571,CVE-2002-1572,CVE-2002-1573,CVE-2002-1574,CVE-2002-1963,CVE-2002-1976,CVE-2002-2254,CVE-2002-2438,CVE-2003-0001,CVE-2003-0018,CVE-2003-0127,CVE-2003-0187,CVE-2003-0244,CVE-2003-0246,CVE-2003-0418,CVE-2003-0462,CVE-2003-0465,CVE-2003-0467,CVE-2003-0476,CVE-2003-0501,CVE-2003-0619,CVE-2003-0643,CVE-2003-0956,CVE-2003-0961,CVE-2003-0984,CVE-2003-0985,CVE-2003-0986,CVE-2003-1040,CVE-2003-1161,CVE-2003-1604,CVE-2004-0001,CVE-2004-0003,CVE-2004-0010,CVE-2004-0058,CVE-2004-0075,CVE-2004-0077,CVE-2004-0109,CVE-2004-0133,CVE-2004-0138,CVE-2004-0177,CVE-2004-0178,CVE-2004-0181,CVE-2004-0186,CVE-2004-0228,CVE-2004-0229,CVE-2004-0394,CVE-2004-0415,CVE-2004-0424,CVE-2004-0427,CVE-2004-0447,CVE-2004-0495,CVE-2004-0496,CVE-2004-0497,CVE-2004-0535,CVE-2004-0554,CVE-2004-0565,CVE-2004-0596,CVE-2004-0626,CVE-2004-0658,CVE-2004-0685,CVE-2004-0812,CVE-2004-0814,CVE-2004-0816,CVE-2004-0883,CVE-2004-0887,CVE-2004-0949,CVE-2004-0986,CVE-2004-0997,CVE-2004-1016,CVE-2004-1017,CVE-2004-1056,CVE-2004-1057,CVE-2004-1058,CVE-2004-1068,CVE-2004-1069,CVE-2004-1070,CVE-2004-1071,CVE-2004-1072,CVE-2004-1073,CVE-2004-1137,CVE-2004-1144,CVE-2004-1151,CVE-2004-1234,CVE-2004-1235,CVE-2004-1237,CVE-2004-1333,CVE-2004-1335,CVE-2004-2013,CVE-2004-2135,CVE-2004-2136,CVE-2004-2302,CVE-2004-2536,CVE-2004-2607,CVE-2004-2660,CVE-2004-2731,CVE-2005-0001,CVE-2005-0003,CVE-2005-
--	--	--	--	--

				0124,CVE-2005-0135,CVE-2005-0136,CVE-2005-0137,CVE-2005-0176,CVE-2005-0177,CVE-2005-0178,CVE-2005-0179,CVE-2005-0180,CVE-2005-0204,CVE-2005-0207,CVE-2005-0209,CVE-2005-0210,CVE-2005-0400,CVE-2005-0449,CVE-2005-0489,CVE-2005-0504,CVE-2005-0529,CVE-2005-0530,CVE-2005-0531,CVE-2005-0532,CVE-2005-0736,CVE-2005-0749,CVE-2005-0750,CVE-2005-0756,CVE-2005-0767,CVE-2005-0815,CVE-2005-0839,CVE-2005-0867,CVE-2005-0916,CVE-2005-0937,CVE-2005-0977,CVE-2005-1041,CVE-2005-1263,CVE-2005-1264,CVE-2005-1265,CVE-2005-1368,CVE-2005-1369,CVE-2005-1589,CVE-2005-1762,CVE-2005-1764,CVE-2005-1765,CVE-2005-1768,CVE-2005-1913,CVE-2005-2098,CVE-2005-2099,CVE-2005-2456,CVE-2005-2457,CVE-2005-2458,CVE-2005-2459,CVE-2005-2490,CVE-2005-2492,CVE-2005-2500,CVE-2005-2548,CVE-2005-2553,CVE-2005-2555,CVE-2005-2617,CVE-2005-2708,CVE-2005-2709,CVE-2005-2800,CVE-2005-2801,CVE-2005-2872,CVE-2005-2873,CVE-2005-2973,CVE-2005-3044,CVE-2005-3053,CVE-2005-3055,CVE-2005-3105,CVE-2005-3106,CVE-2005-3107,CVE-2005-3108,CVE-2005-3109,CVE-2005-3110,CVE-2005-3119,CVE-2005-3179,CVE-2005-3180,CVE-2005-3181,CVE-2005-3257,CVE-2005-3271,CVE-2005-3272,CVE-2005-3273,CVE-2005-3274,CVE-2005-3275,CVE-2005-3276,CVE-2005-3356,CVE-2005-3358,CVE-2005-3359,CVE-2005-3527,CVE-2005-3623,CVE-2005-3660,CVE-2005-3753,CVE-2005-3783,CVE-2005-3784,CVE-2005-3805,CVE-2005-3806,CVE-2005-3807,CVE-2005-3808,CVE-2005-3809,CVE-2005-3810,CVE-2005-3847,CVE-2005-3848,CVE-2005-3857,CVE-2005-3858,CVE-2005-4351,CVE-2005-4352,CVE-2005-4605,CVE-2005-4618,CVE-2005-4635,CVE-2005-
--	--	--	--	--

				4639,CVE-2005-4798,CVE-2005-4811,CVE-2005-4881,CVE-2005-4886,CVE-2006-0035,CVE-2006-0036,CVE-2006-0037,CVE-2006-0038,CVE-2006-0039,CVE-2006-0095,CVE-2006-0096,CVE-2006-0454,CVE-2006-0456,CVE-2006-0457,CVE-2006-0482,CVE-2006-0554,CVE-2006-0555,CVE-2006-0557,CVE-2006-0558,CVE-2006-0741,CVE-2006-0742,CVE-2006-0744,CVE-2006-1052,CVE-2006-1055,CVE-2006-1056,CVE-2006-1066,CVE-2006-1242,CVE-2006-1342,CVE-2006-1343,CVE-2006-1368,CVE-2006-1522,CVE-2006-1523,CVE-2006-1524,CVE-2006-1525,CVE-2006-1527,CVE-2006-1528,CVE-2006-1624,CVE-2006-1855,CVE-2006-1856,CVE-2006-1857,CVE-2006-1858,CVE-2006-1859,CVE-2006-1860,CVE-2006-1862,CVE-2006-1863,CVE-2006-1864,CVE-2006-2071,CVE-2006-2444,CVE-2006-2445,CVE-2006-2446,CVE-2006-2448,CVE-2006-2451,CVE-2006-2629,CVE-2006-2934,CVE-2006-2935,CVE-2006-2936,CVE-2006-3085,CVE-2006-3468,CVE-2006-3626,CVE-2006-3634,CVE-2006-3635,CVE-2006-3741,CVE-2006-3745,CVE-2006-4093,CVE-2006-4145,CVE-2006-4535,CVE-2006-4538,CVE-2006-4572,CVE-2006-4623,CVE-2006-4663,CVE-2006-4813,CVE-2006-4814,CVE-2006-4997,CVE-2006-5158,CVE-2006-5173,CVE-2006-5174,CVE-2006-5331,CVE-2006-5619,CVE-2006-5701,CVE-2006-5749,CVE-2006-5751,CVE-2006-5753,CVE-2006-5754,CVE-2006-5755,CVE-2006-5757,CVE-2006-5823,CVE-2006-5871,CVE-2006-6053,CVE-2006-6054,CVE-2006-6056,CVE-2006-6057,CVE-2006-6058,CVE-2006-6060,CVE-2006-6106,CVE-2006-6128,CVE-2006-6304,CVE-2006-6333,CVE-2006-6535,CVE-2006-6921,CVE-2006-7051,CVE-2006-7203,CVE-2006-7229,CVE-2007-0006,CVE-2007-0771,CVE-2007-0772,CVE-2007-0822,CVE-2007-0958,CVE-2007-
--	--	--	--	--

				0997,CVE-2007-1000,CVE-2007-1217,CVE-2007-1353,CVE-2007-1357,CVE-2007-1388,CVE-2007-1496,CVE-2007-1497,CVE-2007-1592,CVE-2007-1730,CVE-2007-1734,CVE-2007-1861,CVE-2007-2172,CVE-2007-2451,CVE-2007-2453,CVE-2007-2480,CVE-2007-2525,CVE-2007-2875,CVE-2007-2876,CVE-2007-2878,CVE-2007-3104,CVE-2007-3105,CVE-2007-3107,CVE-2007-3380,CVE-2007-3513,CVE-2007-3642,CVE-2007-3719,CVE-2007-3720,CVE-2007-3731,CVE-2007-3732,CVE-2007-3740,CVE-2007-3843,CVE-2007-3848,CVE-2007-3850,CVE-2007-3851,CVE-2007-4133,CVE-2007-4311,CVE-2007-4567,CVE-2007-4571,CVE-2007-4573,CVE-2007-4774,CVE-2007-4997,CVE-2007-5087,CVE-2007-5093,CVE-2007-5498,CVE-2007-5500,CVE-2007-5501,CVE-2007-5904,CVE-2007-5966,CVE-2007-6063,CVE-2007-6151,CVE-2007-6206,CVE-2007-6417,CVE-2007-6434,CVE-2007-6694,CVE-2007-6712,CVE-2007-6716,CVE-2007-6733,CVE-2007-6761,CVE-2007-6762,CVE-2008-0001,CVE-2008-0007,CVE-2008-0009,CVE-2008-0010,CVE-2008-0163,CVE-2008-0352,CVE-2008-0598,CVE-2008-0600,CVE-2008-1294,CVE-2008-1375,CVE-2008-1514,CVE-2008-1669,CVE-2008-1673,CVE-2008-1675,CVE-2008-2136,CVE-2008-2137,CVE-2008-2148,CVE-2008-2358,CVE-2008-2365,CVE-2008-2372,CVE-2008-2729,CVE-2008-2750,CVE-2008-2812,CVE-2008-2826,CVE-2008-2931,CVE-2008-2944,CVE-2008-3077,CVE-2008-3247,CVE-2008-3272,CVE-2008-3275,CVE-2008-3276,CVE-2008-3496,CVE-2008-3525,CVE-2008-3526,CVE-2008-3527,CVE-2008-3528,CVE-2008-3534,CVE-2008-3535,CVE-2008-3686,CVE-2008-3792,CVE-2008-3831,CVE-2008-3833,CVE-2008-3911,CVE-2008-3915,CVE-2008-4113,CVE-2008-4210,CVE-2008-4302,CVE-2008-4307,CVE-2008-
--	--	--	--	--

				4395,CVE-2008-4410,CVE-2008-4445,CVE-2008-4554,CVE-2008-4576,CVE-2008-4618,CVE-2008-4933,CVE-2008-4934,CVE-2008-5025,CVE-2008-5029,CVE-2008-5033,CVE-2008-5079,CVE-2008-5134,CVE-2008-5182,CVE-2008-5300,CVE-2008-5395,CVE-2008-5700,CVE-2008-5701,CVE-2008-5702,CVE-2008-5713,CVE-2008-6107,CVE-2008-7256,CVE-2008-7316,CVE-2009-0024,CVE-2009-0028,CVE-2009-0029,CVE-2009-0031,CVE-2009-0065,CVE-2009-0269,CVE-2009-0322,CVE-2009-0605,CVE-2009-0675,CVE-2009-0676,CVE-2009-0745,CVE-2009-0746,CVE-2009-0747,CVE-2009-0748,CVE-2009-0778,CVE-2009-0787,CVE-2009-0834,CVE-2009-0835,CVE-2009-0859,CVE-2009-0935,CVE-2009-1046,CVE-2009-1072,CVE-2009-1184,CVE-2009-1192,CVE-2009-1242,CVE-2009-1243,CVE-2009-1265,CVE-2009-1298,CVE-2009-1336,CVE-2009-1337,CVE-2009-1338,CVE-2009-1360,CVE-2009-1385,CVE-2009-1388,CVE-2009-1389,CVE-2009-1439,CVE-2009-1527,CVE-2009-1630,CVE-2009-1633,CVE-2009-1883,CVE-2009-1895,CVE-2009-1897,CVE-2009-1914,CVE-2009-1961,CVE-2009-2287,CVE-2009-2406,CVE-2009-2407,CVE-2009-2584,CVE-2009-2691,CVE-2009-2692,CVE-2009-2695,CVE-2009-2698,CVE-2009-2767,CVE-2009-2768,CVE-2009-2844,CVE-2009-2846,CVE-2009-2847,CVE-2009-2848,CVE-2009-2849,CVE-2009-2903,CVE-2009-2908,CVE-2009-2909,CVE-2009-2910,CVE-2009-3001,CVE-2009-3002,CVE-2009-3043,CVE-2009-3080,CVE-2009-3228,CVE-2009-3234,CVE-2009-3238,CVE-2009-3280,CVE-2009-3286,CVE-2009-3288,CVE-2009-3290,CVE-2009-3547,CVE-2009-3556,CVE-2009-3612,CVE-2009-3613,CVE-2009-3620,CVE-2009-3621,CVE-2009-3623,CVE-2009-3624,CVE-2009-3638,CVE-2009-3640,CVE-2009-3722,CVE-2009-
--	--	--	--	--

				3725,CVE-2009-3726,CVE-2009-3888,CVE-2009-3889,CVE-2009-3939,CVE-2009-4004,CVE-2009-4005,CVE-2009-4020,CVE-2009-4021,CVE-2009-4026,CVE-2009-4027,CVE-2009-4031,CVE-2009-4067,CVE-2009-4131,CVE-2009-4138,CVE-2009-4141,CVE-2009-4271,CVE-2009-4272,CVE-2009-4306,CVE-2009-4307,CVE-2009-4308,CVE-2009-4410,CVE-2009-4536,CVE-2009-4537,CVE-2009-4538,CVE-2009-4895,CVE-2010-0003,CVE-2010-0006,CVE-2010-0007,CVE-2010-0008,CVE-2010-0291,CVE-2010-0307,CVE-2010-0410,CVE-2010-0415,CVE-2010-0437,CVE-2010-0622,CVE-2010-0623,CVE-2010-0727,CVE-2010-0741,CVE-2010-1083,CVE-2010-1084,CVE-2010-1085,CVE-2010-1086,CVE-2010-1087,CVE-2010-1088,CVE-2010-1146,CVE-2010-1148,CVE-2010-1162,CVE-2010-1173,CVE-2010-1187,CVE-2010-1188,CVE-2010-1436,CVE-2010-1437,CVE-2010-1446,CVE-2010-1451,CVE-2010-1488,CVE-2010-1636,CVE-2010-1641,CVE-2010-1643,CVE-2010-2066,CVE-2010-2071,CVE-2010-2226,CVE-2010-2240,CVE-2010-2243,CVE-2010-2248,CVE-2010-2478,CVE-2010-2492,CVE-2010-2495,CVE-2010-2521,CVE-2010-2524,CVE-2010-2525,CVE-2010-2537,CVE-2010-2538,CVE-2010-2653,CVE-2010-2798,CVE-2010-2803,CVE-2010-2938,CVE-2010-2942,CVE-2010-2943,CVE-2010-2946,CVE-2010-2954,CVE-2010-2955,CVE-2010-2959,CVE-2010-2960,CVE-2010-2962,CVE-2010-2963,CVE-2010-3015,CVE-2010-3066,CVE-2010-3067,CVE-2010-3078,CVE-2010-3079,CVE-2010-3080,CVE-2010-3081,CVE-2010-3084,CVE-2010-3086,CVE-2010-3296,CVE-2010-3297,CVE-2010-3298,CVE-2010-3301,CVE-2010-3310,CVE-2010-3432,CVE-2010-3437,CVE-2010-3442,CVE-2010-3448,CVE-2010-3477,CVE-2010-3698,CVE-2010-3705,CVE-2010-3848,CVE-2010-
--	--	--	--	--

				3849,CVE-2010-3850,CVE-2010-3858,CVE-2010-3859,CVE-2010-3861,CVE-2010-3865,CVE-2010-3873,CVE-2010-3874,CVE-2010-3875,CVE-2010-3876,CVE-2010-3877,CVE-2010-3880,CVE-2010-3881,CVE-2010-3904,CVE-2010-4072,CVE-2010-4073,CVE-2010-4074,CVE-2010-4075,CVE-2010-4076,CVE-2010-4077,CVE-2010-4078,CVE-2010-4079,CVE-2010-4080,CVE-2010-4081,CVE-2010-4082,CVE-2010-4083,CVE-2010-4157,CVE-2010-4158,CVE-2010-4160,CVE-2010-4161,CVE-2010-4162,CVE-2010-4163,CVE-2010-4164,CVE-2010-4165,CVE-2010-4169,CVE-2010-4175,CVE-2010-4242,CVE-2010-4243,CVE-2010-4248,CVE-2010-4249,CVE-2010-4250,CVE-2010-4251,CVE-2010-4256,CVE-2010-4258,CVE-2010-4263,CVE-2010-4342,CVE-2010-4343,CVE-2010-4346,CVE-2010-4347,CVE-2010-4525,CVE-2010-4526,CVE-2010-4527,CVE-2010-4529,CVE-2010-4565,CVE-2010-4648,CVE-2010-4649,CVE-2010-4650,CVE-2010-4655,CVE-2010-4656,CVE-2010-4668,CVE-2010-4805,CVE-2010-5313,CVE-2010-5328,CVE-2010-5329,CVE-2010-5331,CVE-2010-5332,CVE-2011-0006,CVE-2011-0463,CVE-2011-0521,CVE-2011-0695,CVE-2011-0699,CVE-2011-0709,CVE-2011-0710,CVE-2011-0711,CVE-2011-0712,CVE-2011-0714,CVE-2011-0716,CVE-2011-0726,CVE-2011-0999,CVE-2011-1010,CVE-2011-1012,CVE-2011-1013,CVE-2011-1016,CVE-2011-1017,CVE-2011-1019,CVE-2011-1020,CVE-2011-1021,CVE-2011-1023,CVE-2011-1044,CVE-2011-1076,CVE-2011-1078,CVE-2011-1079,CVE-2011-1080,CVE-2011-1082,CVE-2011-1083,CVE-2011-1090,CVE-2011-1093,CVE-2011-1160,CVE-2011-1162,CVE-2011-1163,CVE-2011-1169,CVE-2011-1170,CVE-2011-1171,CVE-2011-1172,CVE-2011-1173,CVE-2011-1180,CVE-2011-1182,CVE-2011-1474,CVE-2011-
--	--	--	--	--

				1476,CVE-2011-1477,CVE-2011-1478,CVE-2011-1479,CVE-2011-1493,CVE-2011-1494,CVE-2011-1495,CVE-2011-1573,CVE-2011-1576,CVE-2011-1577,CVE-2011-1581,CVE-2011-1585,CVE-2011-1593,CVE-2011-1598,CVE-2011-1745,CVE-2011-1746,CVE-2011-1747,CVE-2011-1748,CVE-2011-1759,CVE-2011-1767,CVE-2011-1768,CVE-2011-1770,CVE-2011-1771,CVE-2011-1776,CVE-2011-1833,CVE-2011-1927,CVE-2011-2022,CVE-2011-2182,CVE-2011-2183,CVE-2011-2184,CVE-2011-2189,CVE-2011-2203,CVE-2011-2208,CVE-2011-2209,CVE-2011-2210,CVE-2011-2211,CVE-2011-2213,CVE-2011-2479,CVE-2011-2482,CVE-2011-2484,CVE-2011-2491,CVE-2011-2492,CVE-2011-2493,CVE-2011-2494,CVE-2011-2495,CVE-2011-2496,CVE-2011-2497,CVE-2011-2498,CVE-2011-2517,CVE-2011-2518,CVE-2011-2521,CVE-2011-2525,CVE-2011-2534,CVE-2011-2689,CVE-2011-2695,CVE-2011-2699,CVE-2011-2700,CVE-2011-2707,CVE-2011-2723,CVE-2011-2898,CVE-2011-2905,CVE-2011-2906,CVE-2011-2909,CVE-2011-2918,CVE-2011-2928,CVE-2011-2942,CVE-2011-3188,CVE-2011-3191,CVE-2011-3209,CVE-2011-3353,CVE-2011-3359,CVE-2011-3363,CVE-2011-3593,CVE-2011-3619,CVE-2011-3637,CVE-2011-3638,CVE-2011-4077,CVE-2011-4080,CVE-2011-4081,CVE-2011-4086,CVE-2011-4087,CVE-2011-4097,CVE-2011-4098,CVE-2011-4110,CVE-2011-4112,CVE-2011-4127,CVE-2011-4131,CVE-2011-4132,CVE-2011-4324,CVE-2011-4325,CVE-2011-4326,CVE-2011-4330,CVE-2011-4347,CVE-2011-4348,CVE-2011-4594,CVE-2011-4604,CVE-2011-4611,CVE-2011-4621,CVE-2011-4913,CVE-2011-4914,CVE-2011-4915,CVE-2011-4916,CVE-2011-4917,CVE-2011-5321,CVE-2011-5327,CVE-2012-0028,CVE-2012-0038,CVE-2012-0044,CVE-2012-
--	--	--	--	--

				0045,CVE-2012-0055,CVE-2012-0056,CVE-2012-0058,CVE-2012-0207,CVE-2012-0810,CVE-2012-0879,CVE-2012-0957,CVE-2012-1090,CVE-2012-1097,CVE-2012-1146,CVE-2012-1179,CVE-2012-1583,CVE-2012-1601,CVE-2012-2100,CVE-2012-2119,CVE-2012-2121,CVE-2012-2123,CVE-2012-2127,CVE-2012-2133,CVE-2012-2136,CVE-2012-2137,CVE-2012-2313,CVE-2012-2319,CVE-2012-2372,CVE-2012-2373,CVE-2012-2375,CVE-2012-2383,CVE-2012-2384,CVE-2012-2390,CVE-2012-2669,CVE-2012-2744,CVE-2012-2745,CVE-2012-3364,CVE-2012-3375,CVE-2012-3400,CVE-2012-3412,CVE-2012-3430,CVE-2012-3510,CVE-2012-3511,CVE-2012-3520,CVE-2012-3552,CVE-2012-4398,CVE-2012-4444,CVE-2012-4461,CVE-2012-4467,CVE-2012-4508,CVE-2012-4530,CVE-2012-4542,CVE-2012-4565,CVE-2012-5374,CVE-2012-5375,CVE-2012-5517,CVE-2012-5532,CVE-2012-6536,CVE-2012-6537,CVE-2012-6538,CVE-2012-6539,CVE-2012-6540,CVE-2012-6541,CVE-2012-6542,CVE-2012-6543,CVE-2012-6544,CVE-2012-6545,CVE-2012-6546,CVE-2012-6547,CVE-2012-6548,CVE-2012-6549,CVE-2012-6638,CVE-2012-6647,CVE-2012-6657,CVE-2012-6689,CVE-2012-6701,CVE-2012-6703,CVE-2012-6704,CVE-2012-6712,CVE-2013-0160,CVE-2013-0190,CVE-2013-0216,CVE-2013-0217,CVE-2013-0228,CVE-2013-0231,CVE-2013-0268,CVE-2013-0290,CVE-2013-0309,CVE-2013-0310,CVE-2013-0311,CVE-2013-0313,CVE-2013-0343,CVE-2013-0349,CVE-2013-0871,CVE-2013-0913,CVE-2013-0914,CVE-2013-1059,CVE-2013-1763,CVE-2013-1767,CVE-2013-1772,CVE-2013-1773,CVE-2013-1774,CVE-2013-1792,CVE-2013-1796,CVE-2013-1797,CVE-2013-1798,CVE-2013-1819,CVE-2013-1826,CVE-2013-1827,CVE-2013-1828,CVE-2013-1848,CVE-2013-
--	--	--	--	--

				1858,CVE-2013-1860,CVE-2013-1928,CVE-2013-1929,CVE-2013-1943,CVE-2013-1956,CVE-2013-1957,CVE-2013-1958,CVE-2013-1959,CVE-2013-1979,CVE-2013-2015,CVE-2013-2017,CVE-2013-2058,CVE-2013-2094,CVE-2013-2128,CVE-2013-2140,CVE-2013-2141,CVE-2013-2146,CVE-2013-2147,CVE-2013-2148,CVE-2013-2164,CVE-2013-2206,CVE-2013-2232,CVE-2013-2234,CVE-2013-2237,CVE-2013-2546,CVE-2013-2547,CVE-2013-2548,CVE-2013-2596,CVE-2013-2634,CVE-2013-2635,CVE-2013-2636,CVE-2013-2850,CVE-2013-2851,CVE-2013-2852,CVE-2013-2888,CVE-2013-2889,CVE-2013-2890,CVE-2013-2891,CVE-2013-2892,CVE-2013-2893,CVE-2013-2894,CVE-2013-2895,CVE-2013-2896,CVE-2013-2897,CVE-2013-2898,CVE-2013-2899,CVE-2013-2929,CVE-2013-2930,CVE-2013-3076,CVE-2013-3222,CVE-2013-3223,CVE-2013-3224,CVE-2013-3225,CVE-2013-3226,CVE-2013-3227,CVE-2013-3228,CVE-2013-3229,CVE-2013-3230,CVE-2013-3231,CVE-2013-3232,CVE-2013-3233,CVE-2013-3234,CVE-2013-3235,CVE-2013-3236,CVE-2013-3237,CVE-2013-3301,CVE-2013-3302,CVE-2013-4125,CVE-2013-4127,CVE-2013-4129,CVE-2013-4162,CVE-2013-4163,CVE-2013-4205,CVE-2013-4220,CVE-2013-4247,CVE-2013-4254,CVE-2013-4270,CVE-2013-4299,CVE-2013-4300,CVE-2013-4312,CVE-2013-4343,CVE-2013-4345,CVE-2013-4348,CVE-2013-4350,CVE-2013-4387,CVE-2013-4470,CVE-2013-4483,CVE-2013-4511,CVE-2013-4512,CVE-2013-4513,CVE-2013-4514,CVE-2013-4515,CVE-2013-4516,CVE-2013-4563,CVE-2013-4579,CVE-2013-4587,CVE-2013-4588,CVE-2013-4591,CVE-2013-4592,CVE-2013-5634,CVE-2013-6282,CVE-2013-6367,CVE-2013-6368,CVE-2013-6376,CVE-2013-6378,CVE-2013-6380,CVE-2013-6381,CVE-2013-
--	--	--	--	--

				6382,CVE-2013-6383,CVE-2013-6431,CVE-2013-6432,CVE-2013-6763,CVE-2013-7026,CVE-2013-7027,CVE-2013-7263,CVE-2013-7264,CVE-2013-7265,CVE-2013-7266,CVE-2013-7267,CVE-2013-7268,CVE-2013-7269,CVE-2013-7270,CVE-2013-7271,CVE-2013-7281,CVE-2013-7339,CVE-2013-7348,CVE-2013-7421,CVE-2013-7445,CVE-2013-7446,CVE-2013-7470,CVE-2014-0038,CVE-2014-0049,CVE-2014-0069,CVE-2014-0077,CVE-2014-0100,CVE-2014-0101,CVE-2014-0102,CVE-2014-0131,CVE-2014-0155,CVE-2014-0181,CVE-2014-0196,CVE-2014-0203,CVE-2014-0205,CVE-2014-0206,CVE-2014-1438,CVE-2014-1444,CVE-2014-1445,CVE-2014-1446,CVE-2014-1690,CVE-2014-1737,CVE-2014-1738,CVE-2014-1739,CVE-2014-1874,CVE-2014-2038,CVE-2014-2039,CVE-2014-2309,CVE-2014-2523,CVE-2014-2568,CVE-2014-2672,CVE-2014-2673,CVE-2014-2678,CVE-2014-2706,CVE-2014-2739,CVE-2014-2851,CVE-2014-2889,CVE-2014-3122,CVE-2014-3144,CVE-2014-3145,CVE-2014-3153,CVE-2014-3180,CVE-2014-3181,CVE-2014-3182,CVE-2014-3183,CVE-2014-3184,CVE-2014-3185,CVE-2014-3186,CVE-2014-3534,CVE-2014-3535,CVE-2014-3601,CVE-2014-3610,CVE-2014-3611,CVE-2014-3631,CVE-2014-3645,CVE-2014-3646,CVE-2014-3647,CVE-2014-3673,CVE-2014-3687,CVE-2014-3688,CVE-2014-3690,CVE-2014-3917,CVE-2014-3940,CVE-2014-4014,CVE-2014-4027,CVE-2014-4157,CVE-2014-4171,CVE-2014-4322,CVE-2014-4323,CVE-2014-4508,CVE-2014-4608,CVE-2014-4611,CVE-2014-4652,CVE-2014-4653,CVE-2014-4654,CVE-2014-4655,CVE-2014-4656,CVE-2014-4667,CVE-2014-4699,CVE-2014-4943,CVE-2014-5045,CVE-2014-5077,CVE-2014-5206,CVE-2014-5207,CVE-2014-5332,CVE-2014-5471,CVE-2014-5472,CVE-2014-
--	--	--	--	--

				6410,CVE-2014-6416,CVE-2014-6417,CVE-2014-6418,CVE-2014-7145,CVE-2014-7207,CVE-2014-7283,CVE-2014-7284,CVE-2014-7822,CVE-2014-7825,CVE-2014-7826,CVE-2014-7841,CVE-2014-7842,CVE-2014-7843,CVE-2014-7970,CVE-2014-7975,CVE-2014-8086,CVE-2014-8133,CVE-2014-8134,CVE-2014-8159,CVE-2014-8160,CVE-2014-8172,CVE-2014-8173,CVE-2014-8369,CVE-2014-8480,CVE-2014-8481,CVE-2014-8559,CVE-2014-8709,CVE-2014-8884,CVE-2014-8989,CVE-2014-9090,CVE-2014-9322,CVE-2014-9410,CVE-2014-9419,CVE-2014-9420,CVE-2014-9428,CVE-2014-9529,CVE-2014-9584,CVE-2014-9585,CVE-2014-9644,CVE-2014-9683,CVE-2014-9710,CVE-2014-9715,CVE-2014-9717,CVE-2014-9728,CVE-2014-9729,CVE-2014-9730,CVE-2014-9731,CVE-2014-9803,CVE-2014-9870,CVE-2014-9888,CVE-2014-9892,CVE-2014-9895,CVE-2014-9900,CVE-2014-9903,CVE-2014-9904,CVE-2014-9914,CVE-2014-9922,CVE-2014-9940,CVE-2015-0239,CVE-2015-0274,CVE-2015-0275,CVE-2015-0568,CVE-2015-0572,CVE-2015-0573,CVE-2015-1328,CVE-2015-1333,CVE-2015-1339,CVE-2015-1350,CVE-2015-1420,CVE-2015-1421,CVE-2015-1465,CVE-2015-1573,CVE-2015-1593,CVE-2015-1805,CVE-2015-2041,CVE-2015-2042,CVE-2015-2150,CVE-2015-2666,CVE-2015-2672,CVE-2015-2686,CVE-2015-2830,CVE-2015-2922,CVE-2015-2925,CVE-2015-3212,CVE-2015-3214,CVE-2015-3288,CVE-2015-3290,CVE-2015-3291,CVE-2015-3331,CVE-2015-3332,CVE-2015-3339,CVE-2015-3636,CVE-2015-4001,CVE-2015-4002,CVE-2015-4003,CVE-2015-4004,CVE-2015-4036,CVE-2015-4167,CVE-2015-4170,CVE-2015-4176,CVE-2015-4177,CVE-2015-4178,CVE-2015-4692,CVE-2015-4700,CVE-2015-5156,CVE-2015-5157,CVE-2015-5257,CVE-2015-
--	--	--	--	--

				5283,CVE-2015-5307,CVE-2015-5327,CVE-2015-5364,CVE-2015-5366,CVE-2015-5697,CVE-2015-5706,CVE-2015-5707,CVE-2015-6252,CVE-2015-6526,CVE-2015-6937,CVE-2015-7509,CVE-2015-7513,CVE-2015-7515,CVE-2015-7550,CVE-2015-7566,CVE-2015-7613,CVE-2015-7799,CVE-2015-7872,CVE-2015-7884,CVE-2015-7885,CVE-2015-7990,CVE-2015-8019,CVE-2015-8104,CVE-2015-8215,CVE-2015-8324,CVE-2015-8374,CVE-2015-8539,CVE-2015-8543,CVE-2015-8551,CVE-2015-8569,CVE-2015-8575,CVE-2015-8660,CVE-2015-8709,CVE-2015-8746,CVE-2015-8767,CVE-2015-8785,CVE-2015-8787,CVE-2015-8812,CVE-2015-8816,CVE-2015-8830,CVE-2015-8839,CVE-2015-8844,CVE-2015-8845,CVE-2015-8944,CVE-2015-8950,CVE-2015-8952,CVE-2015-8953,CVE-2015-8955,CVE-2015-8956,CVE-2015-8961,CVE-2015-8962,CVE-2015-8963,CVE-2015-8964,CVE-2015-8966,CVE-2015-8967,CVE-2015-8970,CVE-2015-9004,CVE-2015-9289,CVE-2016-0723,CVE-2016-0728,CVE-2016-0758,CVE-2016-0821,CVE-2016-0823,CVE-2016-10044,CVE-2016-10088,CVE-2016-10147,CVE-2016-10150,CVE-2016-10153,CVE-2016-10154,CVE-2016-10200,CVE-2016-10208,CVE-2016-10229,CVE-2016-10277,CVE-2016-10283,CVE-2016-10284,CVE-2016-10285,CVE-2016-10286,CVE-2016-10287,CVE-2016-10288,CVE-2016-10289,CVE-2016-10290,CVE-2016-10291,CVE-2016-10292,CVE-2016-10293,CVE-2016-10294,CVE-2016-10295,CVE-2016-10296,CVE-2016-10318,CVE-2016-10741,CVE-2016-10764,CVE-2016-10905,CVE-2016-10906,CVE-2016-10907,CVE-2016-1237,CVE-2016-1575,CVE-2016-1576,CVE-2016-1583,CVE-2016-2053,CVE-2016-2059,CVE-2016-2061,CVE-2016-2062,CVE-2016-2063,CVE-2016-2064,CVE-2016-2065,CVE-2016-2066,CVE-2016-2067,CVE-2016-2068,CVE-2016-
--	--	--	--	--

				2069,CVE-2016-2070,CVE-2016-2085,CVE-2016-2117,CVE-2016-2143,CVE-2016-2184,CVE-2016-2185,CVE-2016-2186,CVE-2016-2187,CVE-2016-2188,CVE-2016-2383,CVE-2016-2384,CVE-2016-2543,CVE-2016-2544,CVE-2016-2545,CVE-2016-2546,CVE-2016-2547,CVE-2016-2548,CVE-2016-2549,CVE-2016-2550,CVE-2016-2782,CVE-2016-2847,CVE-2016-3070,CVE-2016-3134,CVE-2016-3135,CVE-2016-3136,CVE-2016-3137,CVE-2016-3138,CVE-2016-3139,CVE-2016-3140,CVE-2016-3156,CVE-2016-3672,CVE-2016-3689,CVE-2016-3713,CVE-2016-3841,CVE-2016-3951,CVE-2016-3955,CVE-2016-4440,CVE-2016-4470,CVE-2016-4482,CVE-2016-4485,CVE-2016-4486,CVE-2016-4557,CVE-2016-4558,CVE-2016-4565,CVE-2016-4568,CVE-2016-4569,CVE-2016-4578,CVE-2016-4580,CVE-2016-4581,CVE-2016-4794,CVE-2016-4805,CVE-2016-4913,CVE-2016-4951,CVE-2016-4997,CVE-2016-4998,CVE-2016-5195,CVE-2016-5243,CVE-2016-5244,CVE-2016-5340,CVE-2016-5342,CVE-2016-5343,CVE-2016-5344,CVE-2016-5400,CVE-2016-5412,CVE-2016-5696,CVE-2016-5728,CVE-2016-5828,CVE-2016-5829,CVE-2016-5856,CVE-2016-5870,CVE-2016-6130,CVE-2016-6136,CVE-2016-6156,CVE-2016-6162,CVE-2016-6187,CVE-2016-6197,CVE-2016-6198,CVE-2016-6213,CVE-2016-6327,CVE-2016-6480,CVE-2016-6516,CVE-2016-6755,CVE-2016-6756,CVE-2016-6757,CVE-2016-6758,CVE-2016-6759,CVE-2016-6760,CVE-2016-6761,CVE-2016-6775,CVE-2016-6776,CVE-2016-6777,CVE-2016-6778,CVE-2016-6779,CVE-2016-6780,CVE-2016-6781,CVE-2016-6782,CVE-2016-6785,CVE-2016-6786,CVE-2016-6787,CVE-2016-6789,CVE-2016-6790,CVE-2016-6791,CVE-2016-6828,CVE-2016-7039,CVE-2016-7042,CVE-2016-7097,CVE-2016-7117,CVE-2016-
--	--	--	--	--

				7425,CVE-2016-7910,CVE-2016-7911,CVE-2016-7912,CVE-2016-7913,CVE-2016-7914,CVE-2016-7915,CVE-2016-7916,CVE-2016-7917,CVE-2016-8391,CVE-2016-8392,CVE-2016-8393,CVE-2016-8394,CVE-2016-8395,CVE-2016-8397,CVE-2016-8398,CVE-2016-8399,CVE-2016-8400,CVE-2016-8401,CVE-2016-8402,CVE-2016-8403,CVE-2016-8404,CVE-2016-8405,CVE-2016-8406,CVE-2016-8407,CVE-2016-8408,CVE-2016-8409,CVE-2016-8410,CVE-2016-8412,CVE-2016-8413,CVE-2016-8414,CVE-2016-8415,CVE-2016-8416,CVE-2016-8417,CVE-2016-8419,CVE-2016-8420,CVE-2016-8421,CVE-2016-8424,CVE-2016-8425,CVE-2016-8426,CVE-2016-8427,CVE-2016-8428,CVE-2016-8429,CVE-2016-8430,CVE-2016-8431,CVE-2016-8432,CVE-2016-8434,CVE-2016-8435,CVE-2016-8436,CVE-2016-8437,CVE-2016-8438,CVE-2016-8439,CVE-2016-8440,CVE-2016-8441,CVE-2016-8442,CVE-2016-8443,CVE-2016-8444,CVE-2016-8449,CVE-2016-8450,CVE-2016-8451,CVE-2016-8452,CVE-2016-8453,CVE-2016-8454,CVE-2016-8455,CVE-2016-8456,CVE-2016-8457,CVE-2016-8458,CVE-2016-8459,CVE-2016-8460,CVE-2016-8461,CVE-2016-8463,CVE-2016-8464,CVE-2016-8465,CVE-2016-8466,CVE-2016-8468,CVE-2016-8469,CVE-2016-8473,CVE-2016-8474,CVE-2016-8475,CVE-2016-8476,CVE-2016-8477,CVE-2016-8478,CVE-2016-8479,CVE-2016-8480,CVE-2016-8481,CVE-2016-8483,CVE-2016-8630,CVE-2016-8632,CVE-2016-8633,CVE-2016-8636,CVE-2016-8645,CVE-2016-8646,CVE-2016-8650,CVE-2016-8655,CVE-2016-8658,CVE-2016-8660,CVE-2016-8666,CVE-2016-9083,CVE-2016-9084,CVE-2016-9120,CVE-2016-9178,CVE-2016-9191,CVE-2016-9313,CVE-2016-9555,CVE-2016-9576,CVE-2016-9588,CVE-2016-9604,CVE-2016-9644,CVE-2016-
--	--	--	--	--

				9685,CVE-2016-9754,CVE-2016-9755,CVE-2016-9756,CVE-2016-9777,CVE-2016-9793,CVE-2016-9794,CVE-2016-9806,CVE-2016-9919,CVE-2017-0306,CVE-2017-0307,CVE-2017-0325,CVE-2017-0327,CVE-2017-0328,CVE-2017-0329,CVE-2017-0330,CVE-2017-0331,CVE-2017-0332,CVE-2017-0333,CVE-2017-0334,CVE-2017-0335,CVE-2017-0336,CVE-2017-0337,CVE-2017-0338,CVE-2017-0339,CVE-2017-0403,CVE-2017-0404,CVE-2017-0427,CVE-2017-0428,CVE-2017-0429,CVE-2017-0430,CVE-2017-0432,CVE-2017-0433,CVE-2017-0434,CVE-2017-0435,CVE-2017-0436,CVE-2017-0437,CVE-2017-0438,CVE-2017-0439,CVE-2017-0440,CVE-2017-0441,CVE-2017-0442,CVE-2017-0443,CVE-2017-0444,CVE-2017-0445,CVE-2017-0446,CVE-2017-0447,CVE-2017-0448,CVE-2017-0449,CVE-2017-0451,CVE-2017-0452,CVE-2017-0453,CVE-2017-0454,CVE-2017-0455,CVE-2017-0456,CVE-2017-0457,CVE-2017-0458,CVE-2017-0459,CVE-2017-0460,CVE-2017-0461,CVE-2017-0462,CVE-2017-0463,CVE-2017-0464,CVE-2017-0465,CVE-2017-0507,CVE-2017-0508,CVE-2017-0510,CVE-2017-0516,CVE-2017-0518,CVE-2017-0519,CVE-2017-0520,CVE-2017-0521,CVE-2017-0523,CVE-2017-0524,CVE-2017-0525,CVE-2017-0526,CVE-2017-0527,CVE-2017-0528,CVE-2017-0531,CVE-2017-0533,CVE-2017-0534,CVE-2017-0535,CVE-2017-0536,CVE-2017-0537,CVE-2017-0561,CVE-2017-0563,CVE-2017-0564,CVE-2017-0567,CVE-2017-0568,CVE-2017-0569,CVE-2017-0570,CVE-2017-0571,CVE-2017-0572,CVE-2017-0573,CVE-2017-0574,CVE-2017-0575,CVE-2017-0576,CVE-2017-0577,CVE-2017-0579,CVE-2017-0580,CVE-2017-0581,CVE-2017-0582,CVE-2017-0583,CVE-2017-0584,CVE-2017-0585,CVE-2017-0586,CVE-2017-0606,CVE-2017-0607,CVE-2017-
--	--	--	--	--

				0608,CVE-2017-0609,CVE-2017-0610,CVE-2017-0611,CVE-2017-0612,CVE-2017-0613,CVE-2017-0614,CVE-2017-0619,CVE-2017-0620,CVE-2017-0621,CVE-2017-0622,CVE-2017-0623,CVE-2017-0624,CVE-2017-0626,CVE-2017-0627,CVE-2017-0628,CVE-2017-0629,CVE-2017-0630,CVE-2017-0631,CVE-2017-0632,CVE-2017-0633,CVE-2017-0634,CVE-2017-0648,CVE-2017-0650,CVE-2017-0651,CVE-2017-1000111,CVE-2017-1000112,CVE-2017-1000251,CVE-2017-1000252,CVE-2017-1000253,CVE-2017-1000363,CVE-2017-1000364,CVE-2017-1000365,CVE-2017-1000370,CVE-2017-1000371,CVE-2017-1000379,CVE-2017-1000380,CVE-2017-1000405,CVE-2017-1000407,CVE-2017-1000410,CVE-2017-10661,CVE-2017-10662,CVE-2017-10663,CVE-2017-10810,CVE-2017-10911,CVE-2017-11176,CVE-2017-11472,CVE-2017-11473,CVE-2017-11600,CVE-2017-12146,CVE-2017-12153,CVE-2017-12154,CVE-2017-12168,CVE-2017-12188,CVE-2017-12190,CVE-2017-12192,CVE-2017-12193,CVE-2017-12762,CVE-2017-13686,CVE-2017-13693,CVE-2017-13694,CVE-2017-13695,CVE-2017-13715,CVE-2017-14051,CVE-2017-14106,CVE-2017-14140,CVE-2017-14156,CVE-2017-14340,CVE-2017-14489,CVE-2017-14497,CVE-2017-14954,CVE-2017-14991,CVE-2017-15102,CVE-2017-15115,CVE-2017-15116,CVE-2017-15126,CVE-2017-15127,CVE-2017-15128,CVE-2017-15129,CVE-2017-15265,CVE-2017-15274,CVE-2017-15299,CVE-2017-15306,CVE-2017-15537,CVE-2017-15649,CVE-2017-15868,CVE-2017-15951,CVE-2017-16525,CVE-2017-16526,CVE-2017-16527,CVE-2017-16528,CVE-2017-16529,CVE-2017-16530,CVE-2017-16531,CVE-2017-16532,CVE-2017-16533,CVE-2017-16534,CVE-2017-16535,CVE-2017-16536,CVE-2017-16537,CVE-2017-16538,CVE-2017-16643,CVE-2017-16644,CVE-2017-16645,CVE-2017-16646,CVE-2017-
--	--	--	--	--

				16647,CVE-2017-16648,CVE-2017-16649,CVE-2017-16650,CVE-2017-16911,CVE-2017-16912,CVE-2017-16913,CVE-2017-16914,CVE-2017-16939,CVE-2017-16994,CVE-2017-16995,CVE-2017-16996,CVE-2017-17052,CVE-2017-17053,CVE-2017-17448,CVE-2017-17449,CVE-2017-17450,CVE-2017-17558,CVE-2017-17712,CVE-2017-17741,CVE-2017-17805,CVE-2017-17806,CVE-2017-17807,CVE-2017-17852,CVE-2017-17853,CVE-2017-17854,CVE-2017-17855,CVE-2017-17856,CVE-2017-17857,CVE-2017-17862,CVE-2017-17863,CVE-2017-17864,CVE-2017-17975,CVE-2017-18017,CVE-2017-18075,CVE-2017-18079,CVE-2017-18174,CVE-2017-18193,CVE-2017-18200,CVE-2017-18202,CVE-2017-18203,CVE-2017-18204,CVE-2017-18208,CVE-2017-18216,CVE-2017-18218,CVE-2017-18221,CVE-2017-18222,CVE-2017-18224,CVE-2017-18232,CVE-2017-18241,CVE-2017-18249,CVE-2017-18255,CVE-2017-18257,CVE-2017-18261,CVE-2017-18270,CVE-2017-18344,CVE-2017-18360,CVE-2017-18379,CVE-2017-18509,CVE-2017-18549,CVE-2017-18550,CVE-2017-18551,CVE-2017-18552,CVE-2017-18595,CVE-2017-2583,CVE-2017-2584,CVE-2017-2596,CVE-2017-2618,CVE-2017-2634,CVE-2017-2636,CVE-2017-2647,CVE-2017-2671,CVE-2017-5123,CVE-2017-5546,CVE-2017-5547,CVE-2017-5548,CVE-2017-5549,CVE-2017-5550,CVE-2017-5551,CVE-2017-5576,CVE-2017-5577,CVE-2017-5669,CVE-2017-5897,CVE-2017-5967,CVE-2017-5970,CVE-2017-5972,CVE-2017-5986,CVE-2017-6001,CVE-2017-6074,CVE-2017-6214,CVE-2017-6345,CVE-2017-6346,CVE-2017-6347,CVE-2017-6348,CVE-2017-6353,CVE-2017-6874,CVE-2017-6951,CVE-2017-7184,CVE-2017-7187,CVE-2017-7261,CVE-2017-7273,CVE-2017-7277,CVE-2017-7294,CVE-2017-7308,CVE-2017-7346,CVE-2017-7374,CVE-2017-7472,CVE-2017-7477,CVE-2017-
--	--	--	--	--

				7482,CVE-2017-7487,CVE-2017-7495,CVE-2017-7518,CVE-2017-7533,CVE-2017-7541,CVE-2017-7542,CVE-2017-7558,CVE-2017-7616,CVE-2017-7618,CVE-2017-7645,CVE-2017-7889,CVE-2017-7895,CVE-2017-7979,CVE-2017-8061,CVE-2017-8062,CVE-2017-8063,CVE-2017-8064,CVE-2017-8065,CVE-2017-8066,CVE-2017-8067,CVE-2017-8068,CVE-2017-8069,CVE-2017-8070,CVE-2017-8071,CVE-2017-8072,CVE-2017-8106,CVE-2017-8797,CVE-2017-8824,CVE-2017-8831,CVE-2017-8890,CVE-2017-8924,CVE-2017-8925,CVE-2017-9059,CVE-2017-9074,CVE-2017-9075,CVE-2017-9076,CVE-2017-9077,CVE-2017-9150,CVE-2017-9211,CVE-2017-9242,CVE-2017-9605,CVE-2017-9984,CVE-2017-9985,CVE-2017-9986,CVE-2018-1000004,CVE-2018-1000026,CVE-2018-1000028,CVE-2018-1000199,CVE-2018-1000200,CVE-2018-1000204,CVE-2018-10021,CVE-2018-10087,CVE-2018-10124,CVE-2018-10323,CVE-2018-1065,CVE-2018-1066,CVE-2018-10675,CVE-2018-1068,CVE-2018-10840,CVE-2018-10853,CVE-2018-10876,CVE-2018-10877,CVE-2018-10878,CVE-2018-10879,CVE-2018-1087,CVE-2018-10880,CVE-2018-10881,CVE-2018-10882,CVE-2018-10883,CVE-2018-10901,CVE-2018-10902,CVE-2018-1091,CVE-2018-1092,CVE-2018-10938,CVE-2018-1093,CVE-2018-10940,CVE-2018-1094,CVE-2018-1095,CVE-2018-1108,CVE-2018-1118,CVE-2018-1120,CVE-2018-11232,CVE-2018-1130,CVE-2018-11412,CVE-2018-11506,CVE-2018-11508,CVE-2018-12232,CVE-2018-12233,CVE-2018-12714,CVE-2018-12896,CVE-2018-12904,CVE-2018-12928,CVE-2018-12929,CVE-2018-12930,CVE-2018-12931,CVE-2018-13053,CVE-2018-13093,CVE-2018-13094,CVE-2018-13096,CVE-2018-13097,CVE-2018-13098,CVE-2018-13099,CVE-2018-13100,CVE-2018-13405,CVE-2018-13406,CVE-2018-14609,CVE-2018-
--	--	--	--	---

				14610,CVE-2018-14611,CVE-2018-14612,CVE-2018-14613,CVE-2018-14614,CVE-2018-14615,CVE-2018-14616,CVE-2018-14617,CVE-2018-14619,CVE-2018-14625,CVE-2018-14633,CVE-2018-14634,CVE-2018-14641,CVE-2018-14646,CVE-2018-14678,CVE-2018-14734,CVE-2018-15471,CVE-2018-15572,CVE-2018-16276,CVE-2018-16597,CVE-2018-16658,CVE-2018-16862,CVE-2018-16871,CVE-2018-16880,CVE-2018-16882,CVE-2018-16884,CVE-2018-16885,CVE-2018-17182,CVE-2018-17972,CVE-2018-17977,CVE-2018-18021,CVE-2018-18281,CVE-2018-18386,CVE-2018-18397,CVE-2018-18445,CVE-2018-18559,CVE-2018-18690,CVE-2018-18710,CVE-2018-18955,CVE-2018-19407,CVE-2018-19824,CVE-2018-19854,CVE-2018-19985,CVE-2018-20169,CVE-2018-20449,CVE-2018-20509,CVE-2018-20510,CVE-2018-20511,CVE-2018-20669,CVE-2018-20784,CVE-2018-20836,CVE-2018-20856,CVE-2018-20961,CVE-2018-20976,CVE-2018-21008,CVE-2018-25015,CVE-2018-5332,CVE-2018-5333,CVE-2018-5344,CVE-2018-5390,CVE-2018-5391,CVE-2018-5703,CVE-2018-5750,CVE-2018-5803,CVE-2018-5814,CVE-2018-5953,CVE-2018-5995,CVE-2018-6412,CVE-2018-6554,CVE-2018-6555,CVE-2018-6927,CVE-2018-7191,CVE-2018-7480,CVE-2018-7492,CVE-2018-7566,CVE-2018-7740,CVE-2018-7755,CVE-2018-7757,CVE-2018-7995,CVE-2018-8043,CVE-2018-8087,CVE-2018-8781,CVE-2018-8822,CVE-2018-9363,CVE-2018-9568,CVE-2019-0145,CVE-2019-10125,CVE-2019-10126,CVE-2019-10140,CVE-2019-10142,CVE-2019-10207,CVE-2019-10220,CVE-2019-10638,CVE-2019-10639,CVE-2019-11190,CVE-2019-11477,CVE-2019-11478,CVE-2019-11479,CVE-2019-11486,CVE-2019-11487,CVE-2019-11599,CVE-2019-11683,CVE-2019-11810,CVE-2019-11815,CVE-2019-11833,CVE-2019-11884,CVE-2019-12382,CVE-2019-12614,CVE-2019-
--	--	--	--	--

				12615,CVE-2019-12818,CVE-2019-12819,CVE-2019-12881,CVE-2019-13272,CVE-2019-13631,CVE-2019-13648,CVE-2019-14283,CVE-2019-14284,CVE-2019-14763,CVE-2019-14814,CVE-2019-14815,CVE-2019-14816,CVE-2019-14821,CVE-2019-14835,CVE-2019-14895,CVE-2019-14896,CVE-2019-14897,CVE-2019-14898,CVE-2019-14901,CVE-2019-15030,CVE-2019-15090,CVE-2019-15098,CVE-2019-15099,CVE-2019-15117,CVE-2019-15118,CVE-2019-15211,CVE-2019-15212,CVE-2019-15214,CVE-2019-15215,CVE-2019-15216,CVE-2019-15217,CVE-2019-15218,CVE-2019-15219,CVE-2019-15220,CVE-2019-15221,CVE-2019-15239,CVE-2019-15291,CVE-2019-15292,CVE-2019-15504,CVE-2019-15505,CVE-2019-15538,CVE-2019-15666,CVE-2019-15791,CVE-2019-15792,CVE-2019-15793,CVE-2019-15794,CVE-2019-15807,CVE-2019-15902,CVE-2019-15916,CVE-2019-15917,CVE-2019-15918,CVE-2019-15921,CVE-2019-15924,CVE-2019-15925,CVE-2019-15926,CVE-2019-15927,CVE-2019-16229,CVE-2019-16230,CVE-2019-16231,CVE-2019-16232,CVE-2019-16233,CVE-2019-16234,CVE-2019-16413,CVE-2019-16746,CVE-2019-16994,CVE-2019-16995,CVE-2019-17052,CVE-2019-17053,CVE-2019-17054,CVE-2019-17055,CVE-2019-17056,CVE-2019-17075,CVE-2019-17133,CVE-2019-17351,CVE-2019-17666,CVE-2019-18198,CVE-2019-18282,CVE-2019-18660,CVE-2019-18675,CVE-2019-18680,CVE-2019-18683,CVE-2019-18786,CVE-2019-18805,CVE-2019-18806,CVE-2019-18808,CVE-2019-18809,CVE
ltnng-ust	2_2.11.2	---	---	CVE-2010-3386
lvm2	2.03.06	---	---	CVE-2010-2526,CVE-2020-8991
lz4-native	1_1.9.2	---	---	CVE-2014-4715,CVE-2019-17543,CVE-2021-3520
lzo-native	2.1	---	---	CVE-2014-4607

m4-native	1.4.18	---	---	CVE-2008-1687,CVE-2008-1688	
make-native	4.3	---	---	CVE-2000-0151	
ncurses	6.2	---	---	CVE-2000-0963,CVE-2002-0062,CVE-2017-10684,CVE-2017-10685,CVE-2017-11112,CVE-2017-11113,CVE-2017-13728,CVE-2017-13729,CVE-2017-13730,CVE-2017-13731,CVE-2017-13732,CVE-2017-13733,CVE-2017-13734,CVE-2017-16879,CVE-2018-19211,CVE-2018-19217,CVE-2019-15547,CVE-2019-15548,CVE-2019-17594,CVE-2019-17595,CVE-2021-39537	CVE-2005-1796,CVE-2022-29458
ncurses-native	6.2	---	---	CVE-2000-0963,CVE-2002-0062,CVE-2017-10684,CVE-2017-10685,CVE-2017-11112,CVE-2017-11113,CVE-2017-13728,CVE-2017-13729,CVE-2017-13730,CVE-2017-13731,CVE-2017-13732,CVE-2017-13733,CVE-2017-13734,CVE-2017-	CVE-2005-1796,CVE-2022-29458

				16879,CVE-2018-19211,CVE-2018-19217,CVE-2019-15547,CVE-2019-15548,CVE-2019-17594,CVE-2019-17595,CVE-2021-39537	
ninja-native	1.10.0	---	---	CVE-2014-4550	
ntp	4.2.8p15	---	---	CVE-2004-0657,CVE-2009-0021,CVE-2009-0159,CVE-2009-1252,CVE-2009-3563,CVE-2013-5211,CVE-2014-5209,CVE-2014-9293,CVE-2014-9294,CVE-2014-9295,CVE-2014-9296,CVE-2014-9750,CVE-2014-9751,CVE-2015-1798,CVE-2015-1799,CVE-2015-3405,CVE-2015-5194,CVE-2015-5195,CVE-2015-5219,CVE-2015-7691,CVE-2015-7692,CVE-2015-7701,CVE-2015-7702,CVE-2015-7703,CVE-2015-7704,CVE-2015-7705,CVE-2015-7849,CVE-2015-7850,CVE-2015-	CVE-2015-5146,CVE-2015-5300,CVE-2015-7975,CVE-2015-7976,CVE-2015-7977,CVE-2015-7978,CVE-2015-7979,CVE-2015-8138,CVE-2015-8139,CVE-2015-8140,CVE-2015-8158,CVE-2016-1547,CVE-2016-2516,CVE-2016-2517,CVE-2016-2519,CVE-2016-7429,CVE-2016-7433,CVE-2016-9310,CVE-2016-9311,CVE-2016-9312,CVE-2019-11331

				7851,CVE-2015- 7852,CVE-2015- 7853,CVE-2015- 7854,CVE-2015- 7855,CVE-2015- 7871,CVE-2015- 7973,CVE-2015- 7974,CVE-2016- 1548,CVE-2016- 1549,CVE-2016- 1550,CVE-2016- 1551,CVE-2016- 2518,CVE-2016- 4953,CVE-2016- 4954,CVE-2016- 4955,CVE-2016- 4956,CVE-2016- 4957,CVE-2016- 7426,CVE-2016- 7427,CVE-2016- 7428,CVE-2016- 7431,CVE-2016- 7434,CVE-2016- 9042,CVE-2017- 6451,CVE-2017- 6452,CVE-2017- 6455,CVE-2017- 6458,CVE-2017- 6459,CVE-2017- 6460,CVE-2017- 6462,CVE-2017- 6463,CVE-2017- 6464,CVE-2018- 12327,CVE-2018- 7170,CVE-2018- 7182,CVE-2018-	
--	--	--	--	---	--

				7183,CVE-2018-7184,CVE-2018-7185,CVE-2018-8956,CVE-2019-8936,CVE-2020-11868,CVE-2020-13817,CVE-2020-15025	
openssh	8.2p1	---	---	CVE-1999-1010,CVE-2000-0143,CVE-2000-0217,CVE-2000-0525,CVE-2000-0992,CVE-2000-0999,CVE-2000-1169,CVE-2001-0144,CVE-2001-0361,CVE-2001-0529,CVE-2001-0572,CVE-2001-0816,CVE-2001-0872,CVE-2001-1029,CVE-2001-1380,CVE-2001-1382,CVE-2001-1459,CVE-2001-1507,CVE-2001-1585,CVE-2002-0083,CVE-2002-0575,CVE-2002-0639,CVE-2002-0640,CVE-2002-0765,CVE-2003-0190,CVE-2003-0386,CVE-2003-0682,CVE-2003-0693,CVE-2003-0695,CVE-2003-	CVE-2021-36368

				0786,CVE-2003-0787,CVE-2003-1562,CVE-2004-0175,CVE-2004-1653,CVE-2004-2069,CVE-2004-2760,CVE-2005-2666,CVE-2005-2797,CVE-2005-2798,CVE-2006-0225,CVE-2006-0883,CVE-2006-4924,CVE-2006-4925,CVE-2006-5051,CVE-2006-5052,CVE-2006-5229,CVE-2006-5794,CVE-2007-2243,CVE-2007-2768,CVE-2007-3102,CVE-2007-4654,CVE-2007-4752,CVE-2008-1483,CVE-2008-1657,CVE-2008-3234,CVE-2008-3259,CVE-2008-3844,CVE-2008-4109,CVE-2008-5161,CVE-2009-2904,CVE-2010-4478,CVE-2010-4755,CVE-2010-5107,CVE-2011-0539,CVE-2011-4327,CVE-2011-	
--	--	--	--	--	--

				5000,CVE-2012-0814,CVE-2013-4548,CVE-2014-1692,CVE-2014-2532,CVE-2014-2653,CVE-2014-9278,CVE-2015-5352,CVE-2015-5600,CVE-2015-6563,CVE-2015-6564,CVE-2015-6565,CVE-2015-8325,CVE-2016-0777,CVE-2016-0778,CVE-2016-10009,CVE-2016-10010,CVE-2016-10011,CVE-2016-10012,CVE-2016-10708,CVE-2016-1907,CVE-2016-1908,CVE-2016-20012,CVE-2016-3115,CVE-2016-6210,CVE-2016-6515,CVE-2016-8858,CVE-2017-15906,CVE-2018-15473,CVE-2018-15919,CVE-2018-20685,CVE-2019-16905,CVE-2019-6109,CVE-2019-6110,CVE-2019-6111,CVE-2020-12062,CVE-2020-	
--	--	--	--	--	--

				14145,CVE-2020-15778,CVE-2021-28041,CVE-2021-41617,CVE-2023-25136	
openssl-native	1.1.1n	---	---	CVE-1999-0428,CVE-2000-0535,CVE-2000-1254,CVE-2001-1141,CVE-2002-0655,CVE-2002-0656,CVE-2002-0657,CVE-2002-0659,CVE-2002-1568,CVE-2003-0078,CVE-2003-0131,CVE-2003-0147,CVE-2003-0543,CVE-2003-0544,CVE-2003-0545,CVE-2003-0851,CVE-2004-0079,CVE-2004-0081,CVE-2004-0112,CVE-2004-0975,CVE-2005-1797,CVE-2005-2946,CVE-2005-2969,CVE-2006-2937,CVE-2006-2940,CVE-2006-3738,CVE-2006-4339,CVE-2006-4343,CVE-2006-7250,CVE-2007-3108,CVE-2007-4995,CVE-2007-5135,CVE-2008-	CVE-2022-1292,CVE-2022-2068,CVE-2022-2097,CVE-2022-4304,CVE-2022-4450,CVE-2023-0215,CVE-2023-0286

				0166,CVE-2008-0891,CVE-2008-1672,CVE-2008-1678,CVE-2008-5077,CVE-2008-7270,CVE-2009-0590,CVE-2009-0591,CVE-2009-0653,CVE-2009-0789,CVE-2009-1377,CVE-2009-1378,CVE-2009-1379,CVE-2009-1386,CVE-2009-1387,CVE-2009-2409,CVE-2009-3245,CVE-2009-3555,CVE-2009-4355,CVE-2010-0433,CVE-2010-0740,CVE-2010-0742,CVE-2010-0928,CVE-2010-1633,CVE-2010-2939,CVE-2010-3864,CVE-2010-4180,CVE-2010-4252,CVE-2010-5298,CVE-2011-0014,CVE-2011-1473,CVE-2011-1945,CVE-2011-3207,CVE-2011-3210,CVE-2011-4108,CVE-2011-4109,CVE-2011-	
--	--	--	--	--	--

				4354,CVE-2011-4576,CVE-2011-4577,CVE-2011-4619,CVE-2011-5095,CVE-2012-0027,CVE-2012-0050,CVE-2012-0884,CVE-2012-1165,CVE-2012-2110,CVE-2012-2131,CVE-2012-2333,CVE-2012-2686,CVE-2013-0166,CVE-2013-0169,CVE-2013-4353,CVE-2013-6449,CVE-2013-6450,CVE-2014-0076,CVE-2014-0160,CVE-2014-0195,CVE-2014-0198,CVE-2014-0221,CVE-2014-0224,CVE-2014-3470,CVE-2014-3505,CVE-2014-3506,CVE-2014-3507,CVE-2014-3508,CVE-2014-3509,CVE-2014-3510,CVE-2014-3511,CVE-2014-3512,CVE-2014-3513,CVE-2014-3566,CVE-2014-3567,CVE-2014-	
--	--	--	--	--	--

				3568,CVE-2014- 3569,CVE-2014- 3570,CVE-2014- 3571,CVE-2014- 3572,CVE-2014- 5139,CVE-2014- 8176,CVE-2014- 8275,CVE-2015- 0204,CVE-2015- 0205,CVE-2015- 0206,CVE-2015- 0207,CVE-2015- 0208,CVE-2015- 0209,CVE-2015- 0285,CVE-2015- 0286,CVE-2015- 0287,CVE-2015- 0288,CVE-2015- 0289,CVE-2015- 0290,CVE-2015- 0291,CVE-2015- 0292,CVE-2015- 0293,CVE-2015- 1787,CVE-2015- 1788,CVE-2015- 1789,CVE-2015- 1790,CVE-2015- 1791,CVE-2015- 1792,CVE-2015- 1793,CVE-2015- 1794,CVE-2015- 3193,CVE-2015- 3194,CVE-2015- 3195,CVE-2015- 3196,CVE-2015- 3197,CVE-2015-	
--	--	--	--	--	--

				3216,CVE-2015-4000,CVE-2016-0701,CVE-2016-0702,CVE-2016-0703,CVE-2016-0704,CVE-2016-0705,CVE-2016-0797,CVE-2016-0798,CVE-2016-0799,CVE-2016-0800,CVE-2016-2105,CVE-2016-2106,CVE-2016-2107,CVE-2016-2108,CVE-2016-2109,CVE-2016-2176,CVE-2016-2177,CVE-2016-2178,CVE-2016-2179,CVE-2016-2180,CVE-2016-2181,CVE-2016-2182,CVE-2016-2183,CVE-2016-2842,CVE-2016-6302,CVE-2016-6303,CVE-2016-6304,CVE-2016-6305,CVE-2016-6306,CVE-2016-6307,CVE-2016-6308,CVE-2016-6309,CVE-2016-7052,CVE-2016-7053,CVE-2016-7054,CVE-2016-	
--	--	--	--	--	--

				7055,CVE-2016- 7056,CVE-2016- 8610,CVE-2017- 3730,CVE-2017- 3731,CVE-2017- 3732,CVE-2017- 3733,CVE-2017- 3735,CVE-2017- 3736,CVE-2017- 3737,CVE-2017- 3738,CVE-2018- 0732,CVE-2018- 0733,CVE-2018- 0734,CVE-2018- 0735,CVE-2018- 0737,CVE-2018- 0739,CVE-2018- 5407,CVE-2019- 1543,CVE-2019- 1547,CVE-2019- 1549,CVE-2019- 1551,CVE-2019- 1552,CVE-2019- 1559,CVE-2019- 1563,CVE-2020- 1967,CVE-2020- 1968,CVE-2020- 1971,CVE-2021- 23839,CVE-2021- 23840,CVE-2021- 23841,CVE-2021- 3449,CVE-2021- 3450,CVE-2021- 3711,CVE-2021- 3712,CVE-2021- 4044,CVE-2021-	
--	--	--	--	---	--

				4160,CVE-2022-0778,CVE-2022-1343,CVE-2022-1434,CVE-2022-1473,CVE-2022-2274,CVE-2022-3358,CVE-2022-3602,CVE-2022-3786,CVE-2022-3996,CVE-2022-4203,CVE-2023-0216,CVE-2023-0217,CVE-2023-0401	
patch-native	2.7.6	---	---	CVE-2014-9637,CVE-2015-1196,CVE-2015-1395,CVE-2015-1396,CVE-2016-10713,CVE-2018-1000156,CVE-2018-20969,CVE-2018-6951,CVE-2018-6952,CVE-2019-13636,CVE-2019-13638,CVE-2019-20633,CVE-2021-45261	
perl	5.30.1	---	---	CVE-1999-0034,CVE-1999-1386,CVE-2000-0703,CVE-2003-0900,CVE-2004-0377,CVE-2004-0452,CVE-2004-0976,CVE-2004-2286,CVE-2005-0155,CVE-2005-0156,CVE-2005-0448,CVE-2005-3962,CVE-2005-4278,CVE-2007-5116,CVE-2008-1927,CVE-2008-2827,CVE-2009-3626,CVE-2010-1158,CVE-2010-4777,CVE-2011-0761,CVE-2011-1487,CVE-2011-2728,CVE-2011-2939,CVE-2012-1151,CVE-2012-5195,CVE-2012-6329,CVE-2013-1667,CVE-2013-7422,CVE-2014-4330,CVE-2015-8608,CVE-2015-8853,CVE-2016-1238,CVE-2016-2381,CVE-2016-6185,CVE-2017-12814,CVE-2017-12837,CVE-2017-12883,CVE-2018-12015,CVE-2018-18311,CVE-2018-18312,CVE-2018-18313,CVE-2018-18314,CVE-2018-6797,CVE-2018-6798,CVE-2018-6913,CVE-2020-10543,CVE-2020-10878,CVE-2020-12723	
perl-native	5.30.1	---	---	CVE-1999-0034,CVE-1999-1386,CVE-2000-0703,CVE-2003-0900,CVE-2004-0377,CVE-2004-0452,CVE-2004-	

				0976,CVE-2004-2286,CVE-2005-0155,CVE-2005-0156,CVE-2005-0448,CVE-2005-3962,CVE-2005-4278,CVE-2007-5116,CVE-2008-1927,CVE-2008-2827,CVE-2009-3626,CVE-2010-1158,CVE-2010-4777,CVE-2011-0761,CVE-2011-1487,CVE-2011-2728,CVE-2011-2939,CVE-2012-1151,CVE-2012-5195,CVE-2012-6329,CVE-2013-1667,CVE-2013-7422,CVE-2014-4330,CVE-2015-8608,CVE-2015-8853,CVE-2016-1238,CVE-2016-2381,CVE-2016-6185,CVE-2017-12814,CVE-2017-12837,CVE-2017-12883,CVE-2018-12015,CVE-2018-18311,CVE-2018-18312,CVE-2018-18313,CVE-2018-18314,CVE-2018-6797,CVE-2018-6798,CVE-2018-6913,CVE-2020-10543,CVE-2020-10878,CVE-2020-12723
pigz-native	2.4	---	---	CVE-2013-0296,CVE-2015-1191
python3	3.8.13	---	---	CVE-2002-1119,CVE-2004-0150,CVE-2005-0089,CVE-2006-1542,CVE-2006-4980,CVE-2007-1657,CVE-2007-2052,CVE-2007-4559,CVE-2007-4965,CVE-2008-1679,CVE-2008-1721,CVE-2008-1887,CVE-2008-2315,CVE-2008-2316,CVE-2008-3142,CVE-2008-3143,CVE-2008-3144,CVE-2008-4108,CVE-2008-4864,CVE-2008-5031,CVE-2008-5031,CVE-2015-20107,CVE-2018-25032,CVE-2020-10735,CVE-2021-28861,CVE-2022-37454,CVE-2022-42919,CVE-2022-45061,CVE-2023-24329

				5983,CVE-2009-4134,CVE-2010-1449,CVE-2010-1450,CVE-2010-1634,CVE-2010-2089,CVE-2010-3492,CVE-2010-3493,CVE-2011-1015,CVE-2011-1521,CVE-2011-4940,CVE-2011-4944,CVE-2012-0845,CVE-2012-0876,CVE-2012-1150,CVE-2012-2135,CVE-2013-0340,CVE-2013-1753,CVE-2013-2099,CVE-2013-4238,CVE-2013-7040,CVE-2013-7338,CVE-2013-7440,CVE-2014-0224,CVE-2014-1912,CVE-2014-2667,CVE-2014-4616,CVE-2014-4650,CVE-2014-7185,CVE-2014-9365,CVE-2015-1283,CVE-2015-5652,CVE-2016-0718,CVE-2016-0772,CVE-2016-1000110,CVE-2016-2183,CVE-2016-	
--	--	--	--	---	--

				3189,CVE-2016-4472,CVE-2016-5636,CVE-2016-5699,CVE-2016-9063,CVE-2017-1000158,CVE-2017-17522,CVE-2017-18207,CVE-2017-20052,CVE-2017-9233,CVE-2018-1000030,CVE-2018-1000117,CVE-2018-1000802,CVE-2018-1060,CVE-2018-1061,CVE-2018-14647,CVE-2018-20406,CVE-2018-20852,CVE-2019-10160,CVE-2019-12900,CVE-2019-13404,CVE-2019-15903,CVE-2019-16056,CVE-2019-16935,CVE-2019-17514,CVE-2019-18348,CVE-2019-20907,CVE-2019-5010,CVE-2019-9636,CVE-2019-9674,CVE-2019-9740,CVE-2019-9947,CVE-2019-9948,CVE-2020-14422,CVE-2020-15523,CVE-2020-15801,CVE-2020-	
--	--	--	--	--	--

				26116,CVE-2020-27619,CVE-2020-8315,CVE-2020-8492,CVE-2021-23336,CVE-2021-28359,CVE-2021-29921,CVE-2021-3177,CVE-2021-3426,CVE-2021-3733,CVE-2021-3737,CVE-2021-4189,CVE-2022-0391,CVE-2022-26488	
python3-native	3.8.13	---	---	CVE-2002-1119,CVE-2004-0150,CVE-2005-0089,CVE-2006-1542,CVE-2006-4980,CVE-2007-1657,CVE-2007-2052,CVE-2007-4559,CVE-2007-4965,CVE-2008-1679,CVE-2008-1721,CVE-2008-1887,CVE-2008-2315,CVE-2008-2316,CVE-2008-3142,CVE-2008-3143,CVE-2008-3144,CVE-2008-4108,CVE-2008-4864,CVE-2008-5031,CVE-2008-5983,CVE-2009-4134,CVE-2010-1449,CVE-2010-	CVE-2015-20107,CVE-2018-25032,CVE-2020-10735,CVE-2021-28861,CVE-2022-37454,CVE-2022-42919,CVE-2022-45061,CVE-2023-24329

				1450,CVE-2010-1634,CVE-2010-2089,CVE-2010-3492,CVE-2010-3493,CVE-2011-1015,CVE-2011-1521,CVE-2011-4940,CVE-2011-4944,CVE-2012-0845,CVE-2012-0876,CVE-2012-1150,CVE-2012-2135,CVE-2013-0340,CVE-2013-1753,CVE-2013-2099,CVE-2013-4238,CVE-2013-7040,CVE-2013-7338,CVE-2013-7440,CVE-2014-0224,CVE-2014-1912,CVE-2014-2667,CVE-2014-4616,CVE-2014-4650,CVE-2014-7185,CVE-2014-9365,CVE-2015-1283,CVE-2015-5652,CVE-2016-0718,CVE-2016-0772,CVE-2016-1000110,CVE-2016-2183,CVE-2016-3189,CVE-2016-4472,CVE-2016-5636,CVE-2016-	
--	--	--	--	---	--

				5699,CVE-2016-9063,CVE-2017-1000158,CVE-2017-17522,CVE-2017-18207,CVE-2017-20052,CVE-2017-9233,CVE-2018-1000030,CVE-2018-1000117,CVE-2018-1000802,CVE-2018-1060,CVE-2018-1061,CVE-2018-14647,CVE-2018-20406,CVE-2018-20852,CVE-2019-10160,CVE-2019-12900,CVE-2019-13404,CVE-2019-15903,CVE-2019-16056,CVE-2019-16935,CVE-2019-17514,CVE-2019-18348,CVE-2019-20907,CVE-2019-5010,CVE-2019-9636,CVE-2019-9674,CVE-2019-9740,CVE-2019-9947,CVE-2019-9948,CVE-2020-14422,CVE-2020-15523,CVE-2020-15801,CVE-2020-26116,CVE-2020-27619,CVE-2020-8315,CVE-2020-	
--	--	--	--	--	--

				8492,CVE-2021-23336,CVE-2021-28359,CVE-2021-29921,CVE-2021-3177,CVE-2021-3426,CVE-2021-3733,CVE-2021-3737,CVE-2021-4189,CVE-2022-0391,CVE-2022-26488	
qemu-native	4.2.0	---	---	CVE-2007-0998,CVE-2007-1320,CVE-2007-1321,CVE-2007-1322,CVE-2007-1366,CVE-2007-5729,CVE-2007-5730,CVE-2007-6227,CVE-2008-0928,CVE-2008-1945,CVE-2008-2004,CVE-2008-2382,CVE-2008-4539,CVE-2008-4553,CVE-2008-5714,CVE-2009-3616,CVE-2010-0297,CVE-2011-0011,CVE-2011-1750,CVE-2011-1751,CVE-2011-2212,CVE-2011-2527,CVE-2011-3346,CVE-2011-4111,CVE-2012-2652,CVE-2012-3515,CVE-2012-	CVE-2019-12067,CVE-2020-13754,CVE-2020-15469,CVE-2020-15859,CVE-2020-17380,CVE-2020-25742,CVE-2020-25743,CVE-2020-27661,CVE-2020-27821,CVE-2020-35503,CVE-2020-35504,CVE-2020-35505,CVE-2020-35506,CVE-2021-20255,CVE-2021-20295,CVE-2021-3409,CVE-2021-3507,CVE-2021-3611,CVE-2021-3638,CVE-2021-3713,CVE-2021-3748,CVE-2021-3750,CVE-2021-3929,CVE-2021-3930,CVE-2021-3947,CVE-2021-4206,CVE-2021-

				6075,CVE-2013-2007,CVE-2013-2016,CVE-2013-4148,CVE-2013-4149,CVE-2013-4150,CVE-2013-4151,CVE-2013-4344,CVE-2013-4375,CVE-2013-4377,CVE-2013-4526,CVE-2013-4527,CVE-2013-4529,CVE-2013-4530,CVE-2013-4531,CVE-2013-4532,CVE-2013-4533,CVE-2013-4534,CVE-2013-4535,CVE-2013-4536,CVE-2013-4537,CVE-2013-4538,CVE-2013-4539,CVE-2013-4540,CVE-2013-4541,CVE-2013-4542,CVE-2013-4544,CVE-2013-6399,CVE-2014-0142,CVE-2014-0143,CVE-2014-0144,CVE-2014-0145,CVE-2014-0146,CVE-2014-0147,CVE-2014-0148,CVE-2014-0150,CVE-2014-	4207,CVE-2022-0216,CVE-2022-0358,CVE-2022-26354,CVE-2022-2962,CVE-2022-35414,CVE-2022-3872,CVE-2022-4144
--	--	--	--	--	--

				0182,CVE-2014-0222,CVE-2014-0223,CVE-2014-2894,CVE-2014-3461,CVE-2014-3471,CVE-2014-3615,CVE-2014-3640,CVE-2014-3689,CVE-2014-5263,CVE-2014-5388,CVE-2014-7815,CVE-2014-7840,CVE-2014-8106,CVE-2014-9718,CVE-2015-1779,CVE-2015-3209,CVE-2015-3214,CVE-2015-3456,CVE-2015-4037,CVE-2015-4106,CVE-2015-5154,CVE-2015-5158,CVE-2015-5225,CVE-2015-5239,CVE-2015-5278,CVE-2015-5279,CVE-2015-5745,CVE-2015-6815,CVE-2015-6855,CVE-2015-7295,CVE-2015-7504,CVE-2015-7512,CVE-2015-7549,CVE-2015-8345,CVE-2015-8504,CVE-2015-	
--	--	--	--	--	--

				8556,CVE-2015- 8558,CVE-2015- 8567,CVE-2015- 8568,CVE-2015- 8613,CVE-2015- 8619,CVE-2015- 8666,CVE-2015- 8701,CVE-2015- 8743,CVE-2015- 8744,CVE-2015- 8745,CVE-2015- 8817,CVE-2015- 8818,CVE-2016- 10028,CVE-2016- 10029,CVE-2016- 10155,CVE-2016- 1568,CVE-2016- 1714,CVE-2016- 1922,CVE-2016- 1981,CVE-2016- 2197,CVE-2016- 2198,CVE-2016- 2391,CVE-2016- 2392,CVE-2016- 2538,CVE-2016- 2841,CVE-2016- 2857,CVE-2016- 2858,CVE-2016- 3710,CVE-2016- 3712,CVE-2016- 4001,CVE-2016- 4002,CVE-2016- 4020,CVE-2016- 4037,CVE-2016- 4439,CVE-2016- 4441,CVE-2016-	
--	--	--	--	---	--

				4453,CVE-2016- 4454,CVE-2016- 4952,CVE-2016- 4964,CVE-2016- 5105,CVE-2016- 5106,CVE-2016- 5107,CVE-2016- 5126,CVE-2016- 5238,CVE-2016- 5337,CVE-2016- 5338,CVE-2016- 5403,CVE-2016- 6351,CVE-2016- 6490,CVE-2016- 6833,CVE-2016- 6834,CVE-2016- 6835,CVE-2016- 6836,CVE-2016- 6888,CVE-2016- 7116,CVE-2016- 7155,CVE-2016- 7156,CVE-2016- 7157,CVE-2016- 7161,CVE-2016- 7170,CVE-2016- 7421,CVE-2016- 7422,CVE-2016- 7423,CVE-2016- 7466,CVE-2016- 7907,CVE-2016- 7908,CVE-2016- 7909,CVE-2016- 7994,CVE-2016- 7995,CVE-2016- 8576,CVE-2016- 8577,CVE-2016-	
--	--	--	--	--	--

				8578,CVE-2016- 8667,CVE-2016- 8668,CVE-2016- 8669,CVE-2016- 8909,CVE-2016- 8910,CVE-2016- 9101,CVE-2016- 9102,CVE-2016- 9103,CVE-2016- 9104,CVE-2016- 9105,CVE-2016- 9106,CVE-2016- 9381,CVE-2016- 9602,CVE-2016- 9603,CVE-2016- 9776,CVE-2016- 9845,CVE-2016- 9846,CVE-2016- 9907,CVE-2016- 9908,CVE-2016- 9911,CVE-2016- 9912,CVE-2016- 9913,CVE-2016- 9914,CVE-2016- 9915,CVE-2016- 9916,CVE-2016- 9921,CVE-2016- 9922,CVE-2016- 9923,CVE-2017- 10664,CVE-2017- 10806,CVE-2017- 11334,CVE-2017- 11434,CVE-2017- 12809,CVE-2017- 13672,CVE-2017- 13673,CVE-2017-	
--	--	--	--	---	--

				13711,CVE-2017- 14167,CVE-2017- 15038,CVE-2017- 15118,CVE-2017- 15119,CVE-2017- 15124,CVE-2017- 15268,CVE-2017- 15289,CVE-2017- 16845,CVE-2017- 17381,CVE-2017- 18030,CVE-2017- 18043,CVE-2017- 2615,CVE-2017- 2620,CVE-2017- 2630,CVE-2017- 2633,CVE-2017- 5525,CVE-2017- 5526,CVE-2017- 5552,CVE-2017- 5578,CVE-2017- 5579,CVE-2017- 5667,CVE-2017- 5856,CVE-2017- 5857,CVE-2017- 5898,CVE-2017- 5931,CVE-2017- 5973,CVE-2017- 5987,CVE-2017- 6058,CVE-2017- 6505,CVE-2017- 7377,CVE-2017- 7471,CVE-2017- 7493,CVE-2017- 7539,CVE-2017- 7718,CVE-2017- 7980,CVE-2017-	
--	--	--	--	--	--

				8086,CVE-2017- 8112,CVE-2017- 8284,CVE-2017- 8309,CVE-2017- 8379,CVE-2017- 8380,CVE-2017- 9060,CVE-2017- 9310,CVE-2017- 9330,CVE-2017- 9373,CVE-2017- 9374,CVE-2017- 9375,CVE-2017- 9503,CVE-2017- 9524,CVE-2018- 10839,CVE-2018- 11806,CVE-2018- 12617,CVE-2018- 15746,CVE-2018- 16847,CVE-2018- 16867,CVE-2018- 16872,CVE-2018- 17958,CVE-2018- 17962,CVE-2018- 17963,CVE-2018- 18438,CVE-2018- 18849,CVE-2018- 18954,CVE-2018- 19364,CVE-2018- 19489,CVE-2018- 19665,CVE-2018- 20123,CVE-2018- 20124,CVE-2018- 20125,CVE-2018- 20126,CVE-2018- 20191,CVE-2018- 20216,CVE-2018-	
--	--	--	--	--	--

				20815,CVE-2018-5683,CVE-2018-7550,CVE-2018-7858,CVE-2019-12068,CVE-2019-12155,CVE-2019-12247,CVE-2019-12928,CVE-2019-12929,CVE-2019-13164,CVE-2019-15034,CVE-2019-15890,CVE-2019-20175,CVE-2019-20382,CVE-2019-20808,CVE-2019-3812,CVE-2019-5008,CVE-2019-6501,CVE-2019-6778,CVE-2019-8934,CVE-2019-9824,CVE-2020-10702,CVE-2020-10717,CVE-2020-10761,CVE-2020-11102,CVE-2020-11869,CVE-2020-11947,CVE-2020-12829,CVE-2020-13253,CVE-2020-13361,CVE-2020-13362,CVE-2020-13659,CVE-2020-13765,CVE-2020-13791,CVE-2020-13800,CVE-2020-14364,CVE-2020-	
--	--	--	--	---	--

				14394,CVE-2020- 14415,CVE-2020- 15863,CVE-2020- 16092,CVE-2020- 1711,CVE-2020- 24352,CVE-2020- 25084,CVE-2020- 25085,CVE-2020- 25624,CVE-2020- 25625,CVE-2020- 25723,CVE-2020- 25741,CVE-2020- 27616,CVE-2020- 27617,CVE-2020- 28916,CVE-2020- 29443,CVE-2020- 35517,CVE-2020- 7039,CVE-2020- 7211,CVE-2021- 20181,CVE-2021- 20196,CVE-2021- 20203,CVE-2021- 20221,CVE-2021- 20257,CVE-2021- 20263,CVE-2021- 3392,CVE-2021- 3416,CVE-2021- 3527,CVE-2021- 3544,CVE-2021- 3545,CVE-2021- 3546,CVE-2021- 3582,CVE-2021- 3607,CVE-2021- 3608,CVE-2021- 3682,CVE-2021- 3735,CVE-2021-	
--	--	--	--	--	--

				4145,CVE-2021-4158,CVE-2022-1050,CVE-2022-26353,CVE-2022-3165,CVE-2022-4172,CVE-2023-0330	
re2c-native	1.0.1	---	---	CVE-2018-21232,CVE-2020-11958,CVE-2022-23901	
readline	5.2	---	---		CVE-2014-2524
readline-native	8	---	---	CVE-2014-2524	
rpm-native	1_4.14.2.1	---	---	CVE-2005-4889,CVE-2010-2059,CVE-2010-2197,CVE-2010-2198,CVE-2010-2199,CVE-2011-3378,CVE-2012-0060,CVE-2012-0061,CVE-2012-0815,CVE-2012-6088,CVE-2013-6435,CVE-2014-8118,CVE-2017-7500,CVE-2017-7501,CVE-2021-20266,CVE-2021-20271,CVE-2021-3421	CVE-2021-3521,CVE-2021-35937,CVE-2021-35938,CVE-2021-35939
rsync-native	3.1.3	---	---	CVE-1999-0473,CVE-2002-0048,CVE-2002-0080,CVE-2003-0962,CVE-2004-0426,CVE-2004-0792,CVE-2006-2083,CVE-2007-4091,CVE-2007-6199,CVE-2007-	CVE-2022-29154

				6200,CVE-2008-1720,CVE-2011-1097,CVE-2014-2855,CVE-2014-9512,CVE-2016-9840,CVE-2016-9841,CVE-2016-9842,CVE-2016-9843,CVE-2017-15994,CVE-2017-16548,CVE-2017-17433,CVE-2017-17434,CVE-2018-5764,CVE-2020-14387	
shadow-native	4.8.1	---	---	CVE-2004-1001,CVE-2005-4890,CVE-2006-1174,CVE-2006-1844,CVE-2008-5394,CVE-2011-0721,CVE-2013-4235,CVE-2016-6252,CVE-2017-12424,CVE-2017-20002,CVE-2018-16588,CVE-2018-7169,CVE-2019-16110,CVE-2019-19882	
sqlite3	3_3.31.1	---	---	CVE-2008-6589,CVE-2008-6590,CVE-2008-6592,CVE-2008-6593,CVE-2013-7443,CVE-2015-3414,CVE-2015-3415,CVE-2015-3416,CVE-2015-3717,CVE-2015-5895,CVE-2015-6607,CVE-2016-6153,CVE-2017-10989,CVE-2017-13685,CVE-2017-15286,CVE-2018-20346,CVE-2018-20505,CVE-2018-	CVE-2020-35525,CVE-2020-35527,CVE-2022-35737

				20506,CVE-2018-8740,CVE-2019-16168,CVE-2019-19242,CVE-2019-19244,CVE-2019-19317,CVE-2019-19603,CVE-2019-19645,CVE-2019-19646,CVE-2019-19880,CVE-2019-19923,CVE-2019-19924,CVE-2019-19925,CVE-2019-19926,CVE-2019-19959,CVE-2019-20218,CVE-2019-5018,CVE-2019-8457,CVE-2019-9936,CVE-2019-9937,CVE-2020-11655,CVE-2020-11656,CVE-2020-13434,CVE-2020-13435,CVE-2020-13630,CVE-2020-13631,CVE-2020-13632,CVE-2020-13871,CVE-2020-15358,CVE-2020-9327,CVE-2021-20227,CVE-2021-36690,CVE-2021-45346,CVE-2022-46908	
sqlite3-native	3_3.31.1	---	---	CVE-2008-6589,CVE-2008-6590,CVE-2008-6592,CVE-2008-	CVE-2020-35525,CVE-2020-35527,CVE-2022-35737

				6593,CVE-2013-7443,CVE-2015-3414,CVE-2015-3415,CVE-2015-3416,CVE-2015-3717,CVE-2015-5895,CVE-2015-6607,CVE-2016-6153,CVE-2017-10989,CVE-2017-13685,CVE-2017-15286,CVE-2018-20346,CVE-2018-20505,CVE-2018-20506,CVE-2018-8740,CVE-2019-16168,CVE-2019-19242,CVE-2019-19244,CVE-2019-19317,CVE-2019-19603,CVE-2019-19645,CVE-2019-19646,CVE-2019-19880,CVE-2019-19923,CVE-2019-19924,CVE-2019-19925,CVE-2019-19926,CVE-2019-19959,CVE-2019-20218,CVE-2019-5018,CVE-2019-8457,CVE-2019-9936,CVE-2019-9937,CVE-2020-11655,CVE-2020-11656,CVE-2020-	
--	--	--	--	--	--

				13434,CVE-2020-13435,CVE-2020-13630,CVE-2020-13631,CVE-2020-13632,CVE-2020-13871,CVE-2020-15358,CVE-2020-9327,CVE-2021-20227,CVE-2021-36690,CVE-2021-45346,CVE-2022-46908	
squashfs-tools-native	4.4	---	---	CVE-2012-4024,CVE-2012-4025,CVE-2015-4645,CVE-2015-4646,CVE-2021-40153	
strace	5.5	---	---		CVE-2000-0006
tcpdump	4.9.3	---	---	CVE-1999-1024,CVE-2000-0333,CVE-2000-1026,CVE-2001-1279,CVE-2002-0380,CVE-2002-1350,CVE-2003-0093,CVE-2003-0108,CVE-2003-0145,CVE-2003-0194,CVE-2003-0989,CVE-2003-1029,CVE-2004-0055,CVE-2004-0057,CVE-2004-0183,CVE-2004-0184,CVE-2005-1267,CVE-2005-1278,CVE-2005-1279,CVE-2005-1280,CVE-2007-	CVE-2018-16301

				1218,CVE-2007-3798,CVE-2014-8767,CVE-2014-8768,CVE-2014-8769,CVE-2014-9140,CVE-2015-0261,CVE-2015-2153,CVE-2015-2154,CVE-2015-2155,CVE-2015-3138,CVE-2016-7922,CVE-2016-7923,CVE-2016-7924,CVE-2016-7925,CVE-2016-7926,CVE-2016-7927,CVE-2016-7928,CVE-2016-7929,CVE-2016-7930,CVE-2016-7931,CVE-2016-7932,CVE-2016-7933,CVE-2016-7934,CVE-2016-7935,CVE-2016-7936,CVE-2016-7937,CVE-2016-7938,CVE-2016-7939,CVE-2016-7940,CVE-2016-7973,CVE-2016-7974,CVE-2016-7975,CVE-2016-7983,CVE-2016-7984,CVE-2016-7985,CVE-2016-	
--	--	--	--	--	--

				7986,CVE-2016- 7992,CVE-2016- 7993,CVE-2016- 8574,CVE-2016- 8575,CVE-2017- 11108,CVE-2017- 11541,CVE-2017- 11542,CVE-2017- 11543,CVE-2017- 12893,CVE-2017- 12894,CVE-2017- 12895,CVE-2017- 12896,CVE-2017- 12897,CVE-2017- 12898,CVE-2017- 12899,CVE-2017- 12900,CVE-2017- 12901,CVE-2017- 12902,CVE-2017- 12985,CVE-2017- 12986,CVE-2017- 12987,CVE-2017- 12988,CVE-2017- 12989,CVE-2017- 12990,CVE-2017- 12991,CVE-2017- 12992,CVE-2017- 12993,CVE-2017- 12994,CVE-2017- 12995,CVE-2017- 12996,CVE-2017- 12997,CVE-2017- 12998,CVE-2017- 12999,CVE-2017- 13000,CVE-2017- 13001,CVE-2017-	
--	--	--	--	---	--

				13002,CVE-2017- 13003,CVE-2017- 13004,CVE-2017- 13005,CVE-2017- 13006,CVE-2017- 13007,CVE-2017- 13008,CVE-2017- 13009,CVE-2017- 13010,CVE-2017- 13011,CVE-2017- 13012,CVE-2017- 13013,CVE-2017- 13014,CVE-2017- 13015,CVE-2017- 13016,CVE-2017- 13017,CVE-2017- 13018,CVE-2017- 13019,CVE-2017- 13020,CVE-2017- 13021,CVE-2017- 13022,CVE-2017- 13023,CVE-2017- 13024,CVE-2017- 13025,CVE-2017- 13026,CVE-2017- 13027,CVE-2017- 13028,CVE-2017- 13029,CVE-2017- 13030,CVE-2017- 13031,CVE-2017- 13032,CVE-2017- 13033,CVE-2017- 13034,CVE-2017- 13035,CVE-2017- 13036,CVE-2017- 13037,CVE-2017-	
--	--	--	--	--	--

				13038,CVE-2017- 13039,CVE-2017- 13040,CVE-2017- 13041,CVE-2017- 13042,CVE-2017- 13043,CVE-2017- 13044,CVE-2017- 13045,CVE-2017- 13046,CVE-2017- 13047,CVE-2017- 13048,CVE-2017- 13049,CVE-2017- 13050,CVE-2017- 13051,CVE-2017- 13052,CVE-2017- 13053,CVE-2017- 13054,CVE-2017- 13055,CVE-2017- 13687,CVE-2017- 13688,CVE-2017- 13689,CVE-2017- 13690,CVE-2017- 13725,CVE-2017- 16808,CVE-2017- 5202,CVE-2017- 5203,CVE-2017- 5204,CVE-2017- 5205,CVE-2017- 5341,CVE-2017- 5342,CVE-2017- 5482,CVE-2017- 5483,CVE-2017- 5484,CVE-2017- 5485,CVE-2017- 5486,CVE-2018- 10103,CVE-2018-	
--	--	--	--	---	--

				10105,CVE-2018-14461,CVE-2018-14462,CVE-2018-14463,CVE-2018-14464,CVE-2018-14465,CVE-2018-14466,CVE-2018-14467,CVE-2018-14468,CVE-2018-14469,CVE-2018-14470,CVE-2018-14879,CVE-2018-14880,CVE-2018-14881,CVE-2018-14882,CVE-2018-16227,CVE-2018-16228,CVE-2018-16229,CVE-2018-16230,CVE-2018-16300,CVE-2018-16451,CVE-2018-16452,CVE-2018-19519,CVE-2019-1010220,CVE-2019-15166,CVE-2019-15167,CVE-2020-8036,CVE-2020-8037	
unzip-native	1_6.0	---	---	CVE-2001-1268,CVE-2001-1269,CVE-2003-0282,CVE-2005-0602,CVE-2005-2475,CVE-2005-4667,CVE-2008-0888,CVE-2014-8139,CVE-2014-8140,CVE-2014-	CVE-2021-4217,CVE-2022-0529,CVE-2022-0530

				8141,CVE-2014-9636,CVE-2014-9913,CVE-2015-1315,CVE-2015-7696,CVE-2015-7697,CVE-2016-9844,CVE-2018-1000031,CVE-2018-1000032,CVE-2018-1000033,CVE-2018-1000034,CVE-2018-1000035,CVE-2018-18384,CVE-2019-13232,CVE-2020-36561	
util-linux	2.35.1	---	---	CVE-2001-1147,CVE-2001-1175,CVE-2001-1494,CVE-2003-0094,CVE-2004-0080,CVE-2005-2876,CVE-2006-7108,CVE-2007-5191,CVE-2008-1926,CVE-2011-1675,CVE-2011-1676,CVE-2011-1677,CVE-2013-0157,CVE-2014-9114,CVE-2015-5218,CVE-2015-5224,CVE-2016-2779,CVE-2016-5011,CVE-2017-2616,CVE-2018-7738,CVE-2021-37600,CVE-2021-3995,CVE-2021-3996,CVE-2022-0563	
util-linux-native	2.35.1	---	---	CVE-2001-1147,CVE-2001-1175,CVE-2001-1494,CVE-2003-0094,CVE-2004-0080,CVE-2005-2876,CVE-2006-7108,CVE-2007-5191,CVE-2008-1926,CVE-2011-1675,CVE-2011-1676,CVE-2011-1677,CVE-2013-0157,CVE-2014-9114,CVE-2015-5218,CVE-2015-5224,CVE-2016-2779,CVE-2016-5011,CVE-2017-2616,CVE-2018-7738,CVE-2021-37600,CVE-2021-3995,CVE-2021-3996,CVE-2022-0563	
xz	5.2.4	---	---	CVE-2015-4035,CVE-2021-29482	
xz-native	5.2.4	---	---	CVE-2015-4035,CVE-2021-29482	

LICENSES

All open source software licenses are free of charge. The customer is responsible for adhering to the applicable licensing terms.

Apache-2.0

Apache License
Version 2.0, January 2004
<http://www.apache.org/licenses/>

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain

separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:
 - (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
 - (b) You must cause any modified files to carry prominent notices stating that You changed the files; and

- (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
- (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

- 5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.
- 6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
- 7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of title, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

Copyright 2016 Sierra Wireless

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Generic AFL-3

This Academic Free License (the "License") applies to any original work of authorship (the "Original Work") whose owner (the "Licensor") has placed the following licensing notice adjacent to the copyright notice for the Original Work:

Licensed under the Academic Free License version 3.0

1) **Grant of Copyright License.** Licensor grants You a worldwide, royalty-free, non-exclusive, sublicensable license, for the duration of the copyright, to do the following:

a) to reproduce the Original Work in copies, either alone or as part of a collective work;

b) to translate, adapt, alter, transform, modify, or arrange the Original Work, thereby creating derivative works ("Derivative Works") based upon the Original Work;

c) to distribute or communicate copies of the Original Work and Derivative Works to the public, under any license of your choice that does not contradict the terms and conditions, including Licensor's reserved rights and remedies, in this Academic Free License;

d) to perform the Original Work publicly; and

e) to display the Original Work publicly.

2) **Grant of Patent License.** Licensor grants You a worldwide, royalty-free, non-exclusive, sublicensable license, under patent claims owned or controlled by the Licensor that are embodied in the Original Work as furnished by the Licensor, for the duration of the patents, to make, use, sell, offer for sale, have made, and import the Original Work and Derivative Works.

3) **Grant of Source Code License.** The term "Source Code" means the preferred form of the Original Work for making modifications to it and all available documentation describing how to modify the Original Work. Licensor agrees to provide a machine-readable copy of the Source Code of the Original Work along with each copy of the Original Work that Licensor distributes. Licensor reserves the right to satisfy this obligation by placing a machine-readable copy of the Source Code in an information repository reasonably calculated to permit inexpensive and convenient access by You for as long as Licensor continues to distribute the Original Work.

4) **Exclusions From License Grant.** Neither the names of Licensor, nor the names of any contributors to the Original Work, nor any of their trademarks or service marks, may be used to endorse or promote products derived from this Original Work without express prior permission of the Licensor. Except as expressly stated herein, nothing in this License grants any license to Licensor's trademarks, copyrights, patents, trade secrets or any other intellectual property. No patent license is granted to make, use, sell, offer for sale, have made, or import embodiments of any patent claims other than the licensed claims defined in Section 2. No license is granted to the trademarks of Licensor even if such marks are included in the Original Work. Nothing in this License shall be interpreted to prohibit Licensor from licensing under terms different from this License any Original Work that Licensor otherwise would have a right to license.

5) **External Deployment.** The term "External Deployment" means the use, distribution, or communication of the Original Work or Derivative Works in any way such that the Original Work or Derivative Works may be used by anyone other than You, whether those works are distributed or communicated to those persons or made available as an application intended for use over a network. As an express condition for the grants of license hereunder, You must treat any External Deployment by You of the Original Work or a Derivative Work as a distribution under section 1(c).

6) **Attribution Rights.** You must retain, in the Source Code of any Derivative Works that You create, all copyright, patent, or trademark notices from the Source Code of the Original Work, as well as any notices of licensing and any descriptive text identified therein as an "Attribution Notice." You must cause the Source Code for any Derivative Works that You create to carry a prominent Attribution Notice reasonably calculated to inform recipients that You have modified the Original Work.

7) **Warranty of Provenance and Disclaimer of Warranty.** Licensor warrants that the copyright in and to the Original Work and the patent rights granted herein by Licensor are owned by the Licensor or are sublicensed to You under the terms of this License with the permission of the contributor(s) of those copyrights and patent rights. Except as expressly stated in the immediately preceding sentence, the Original Work is provided under this License on an "AS IS" BASIS and WITHOUT WARRANTY, either express or implied, including, without limitation, the warranties of non-infringement, merchantability or fitness for a particular purpose. THE ENTIRE RISK AS TO THE QUALITY OF THE ORIGINAL WORK IS WITH YOU. This DISCLAIMER OF WARRANTY constitutes an essential part of this License. No license to the Original Work is granted by this License except under this disclaimer.

8) **Limitation of Liability.** Under no circumstances and under no legal theory, whether in tort (including negligence), contract, or otherwise, shall the Licensor be liable to anyone for any indirect, special, incidental, or consequential damages of any character arising as a result of this License or the use of the Original Work including, without limitation, damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses. This limitation of liability shall not apply to the extent applicable law prohibits such limitation.

9) **Acceptance and Termination.** If, at any time, You expressly assented to this License, that assent indicates your clear and irrevocable acceptance of this License and all of its terms and conditions. If You distribute or communicate copies of the Original Work or a Derivative Work, You must make a reasonable effort under the circumstances to obtain the express assent of recipients to the terms of this License. This License conditions your rights to undertake the activities listed in Section 1, including your right to create Derivative Works based upon the Original Work, and doing so without honoring these terms and conditions is prohibited by copyright law and international treaty. Nothing in this License is intended to affect copyright exceptions and limitations (including "fair use" or "fair dealing"). This License shall terminate immediately and You may no longer exercise any of the rights granted to You by this License upon your failure to honor the conditions in Section 1(c).

10) **Termination for Patent Action.** This License shall terminate automatically and You may no longer exercise any of the rights granted to You by this License as of the date You commence an action, including a cross-claim or counterclaim, against Licensor or any licensee alleging that the Original Work infringes a patent. This termination provision shall not apply for an action alleging patent infringement by combinations of the Original Work with other software or hardware.

11) **Jurisdiction, Venue and Governing Law.** Any action or suit relating to this License may be brought only in the courts of a jurisdiction wherein the Licensor resides or in which Licensor conducts its primary business, and under the laws of that jurisdiction excluding its conflict-of-law provisions. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any use of the Original Work outside the scope of this License or after its termination shall be subject to the requirements and penalties of copyright or patent law in the appropriate jurisdiction. This section shall survive the termination of this License.

12) **Attorneys' Fees.** In any action to enforce the terms of this License or seeking damages relating thereto, the prevailing party shall be entitled to recover its costs and expenses, including, without limitation, reasonable attorneys' fees and costs incurred in connection with such action, including any appeal of such action. This section shall survive the termination of this License.

13) **Miscellaneous.** If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable.

14) **Definition of "You" in This License.** "You" throughout this License, whether in upper or lower case, means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with you. For purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or

management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

15) **Right to Use.** You may use the Original Work in all ways not otherwise restricted or conditioned by this License or by law, and Licensor promises not to interfere with or be responsible for such uses by You.

16) **Modification of This License.** This License is Copyright © 2005 Lawrence Rosen. Permission is granted to copy, distribute, or communicate this License without modification. Nothing in this License permits You to modify this License as applied to the Original Work or to Derivative Works. However, You may modify the text of this License and copy, distribute or communicate your modified version (the "Modified License") and apply it to other original works of authorship subject to the following conditions: (i) You may not indicate in any way that your Modified License is the "Academic Free License" or "AFL" and you may not use those names in the name of your Modified License; (ii) You must replace the notice specified in the first paragraph above with the notice "Licensed under <insert your license name here>" or with a notice of your own that is not confusingly similar to the notice in this License; and (iii) You may not claim that your original works are open source software unless your Modified License has been approved by Open Source Initiative (OSI) and You comply with its license review and certification process.

Artistic-1.0

The Artistic License Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

"Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.

"Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder.

"Copyright Holder" is whoever is named in the copyright or copyrights for the package.

"You" is you, if you're thinking about copying or distributing this Package.

"Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)

"Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as ftp.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

b) use the modified Package only within your corporation or organization.

c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

b) accompany the distribution with the machine-readable source of the Package with your modifications.

c) accompany any non-standard executables with their corresponding Standard Version executables, giving the non-standard executables non-standard names, and clearly documenting the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whomever generated them, and may be sold commercially, and may be aggregated with this Package.

7. C or perl subroutines supplied by you and linked into this Package shall not be considered part of this Package.

8. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

9. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

BSD

Copyright (c) The Regents of the University of California.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

BSD-2-Clause

The FreeBSD Copyright

Copyright 1992-2010 The FreeBSD Project. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE FREEBSD PROJECT ``AS IS`` AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FREEBSD PROJECT OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The views and conclusions contained in the software and documentation are those of the authors and should not be interpreted as representing official policies, either expressed or implied, of the FreeBSD Project.

BSD-3-Clause

Copyright (c) 1998, Regents of the University of California
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the University of California, Berkeley nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

bzip.2

This program, "bzip2", the associated library "libbzip2", and all documentation, are copyright (C) 1996-2010 Julian R Seward. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
3. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

EDL-1.0

Eclipse Distribution License - v 1.0

Copyright (c) 2007, Eclipse Foundation, Inc. and its licensors.

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

- * Neither the name of the Eclipse Foundation, Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

EPL-1.0

Eclipse Public License - v 1.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS

"Contribution" means:

a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and

b) in the case of each subsequent Contributor:

i) changes to the Program, and

ii) additions to the Program;

where such changes and/or additions to the Program originate from and are distributed by that particular Contributor. A Contribution `originates` from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include additions to the Program which: (i) are separate modules of software distributed in conjunction with the Program under their own license agreement, and (ii) are not derivative works of the Program.

"Contributor" means any person or entity that distributes the Program.

"Licensed Patents" mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

- a) it complies with the terms and conditions of this Agreement; and
- b) its license agreement:
 - i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;
 - ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;
 - iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and
 - iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

- a) it must be made available under this Agreement; and
- b) a copy of this Agreement must be included with each copy of the Program. Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses,

damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor`s responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement , including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

GPLv2

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
- b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
- c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

- a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
 - b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
 - c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)
- The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate

your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients` exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In

such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Copyright (C) 2016 Sierra Wireless

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of

MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

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

The hypothetical commands `show w` and `show c` should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w` and `show c`; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright
interest in the program `Gnomovision`
(which makes passes at compilers) written
by James Hacker.
```

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

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

GPLv3

GNU GENERAL PUBLIC LICENSE

Version 3, 29 June 2007

Copyright © 2007 Free Software Foundation, Inc. <<http://fsf.org/>>

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the

area of products for individuals to use, which is precisely where it is most unacceptable. 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.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

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

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

1. Source Code.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.

4. Conveying Verbatim Copies.

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

- * a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

- * b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

- * c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

- * d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation

and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

* a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

* b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

* c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

* d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

* e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to

use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

* a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

* b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

* c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

* d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

* e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

* f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.

9. Acceptance Not Required for Having Copies.

You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.

12. No Surrender of Others' Freedom.

If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any

other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR

DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

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

```
This program is free software: you can redistribute it and/or modify  
it under the terms of the GNU General Public License as published by  
the Free Software Foundation, either version 3 of the License, or  
(at your option) any later version.
```

```
This program is distributed in the hope that it will be useful,  
but WITHOUT ANY WARRANTY; without even the implied warranty of  
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the  
GNU General Public License for more details.
```

```
You should have received a copy of the GNU General Public License  
along with this program. If not, see <http://www.gnu.org/licenses/>.
```

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

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

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

GPL-3.0 GCC exception

GCC RUNTIME LIBRARY EXCEPTION
Version 3.1, 31 March 2009

General information:

<http://www.gnu.org/licenses/gcc-exception.html>

Copyright (C) 2009 Free Software Foundation, Inc. <<http://fsf.org/>>

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This GCC Runtime Library Exception ("Exception") is an additional permission under section 7 of the GNU General Public License, version 3 ("GPLv3"). It applies to a given file (the "Runtime Library") that bears a notice placed by the copyright holder of the file stating that the file is governed by GPLv3 along with this Exception.

When you use GCC to compile a program, GCC may combine portions of certain GCC header files and runtime libraries with the compiled program. The purpose of this Exception is to allow compilation of non-GPL (including proprietary) programs to use, in this way, the header files and runtime libraries covered by this Exception.

0. Definitions.

A file is an "Independent Module" if it either requires the Runtime Library for execution after a Compilation Process, or makes use of an interface provided by the Runtime Library, but is not otherwise based on the Runtime Library.

"GCC" means a version of the GNU Compiler Collection, with or without modifications, governed by version 3 (or a specified later version) of the GNU General Public License (GPL) with the option of using any subsequent versions published by the FSF.

"GPL-compatible Software" is software whose conditions of propagation, modification and use would permit combination with GCC in accord with the license of GCC.

"Target Code" refers to output from any compiler for a real or virtual target processor architecture, in executable form or suitable for input to an assembler, loader, linker and/or execution phase. Notwithstanding that, Target Code does not include data in any format that is used as a compiler intermediate representation, or used for producing a compiler intermediate representation.

The "Compilation Process" transforms code entirely represented in non-intermediate languages designed for human-written code, and/or in Java Virtual Machine byte code, into Target Code. Thus, for example, use of source code generators and preprocessors need not be considered part of the Compilation Process, since the Compilation Process can be understood as starting with the output of the generators or preprocessors.

A Compilation Process is "Eligible" if it is done using GCC, alone or with other GPL-compatible software, or if it is done without using any work based on GCC. For example, using non-GPL-compatible Software to optimize any GCC intermediate representations would not qualify as an Eligible Compilation Process.

1. Grant of Additional Permission.

You have permission to propagate a work of Target Code formed by combining the Runtime Library with Independent Modules, even if such propagation would otherwise violate the terms of GPLv3, provided that all Target Code was generated by Eligible Compilation Processes. You may then convey such a combination under terms of your choice, consistent with the licensing of the Independent Modules.

2. No Weakening of GCC Copyleft.

The availability of this Exception does not imply any general presumption that third-party software is unaffected by the copyleft requirements of the license of GCC.

LGPLv2.1

GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone

else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

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.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived

from the library, whereas the latter must be combined with the library in order to run.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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

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

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user

can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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

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

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

- a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
- b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do

not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

one line to give the library's name and an idea of what it does.
Copyright (C) year name of author

This library is free software; you can redistribute it and/or

modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob` (a library for tweaking knobs) written by James Random Hacker.

signature of Ty Coon, 1 April 1990
Ty Coon, President of Vice
That`s all there is to it!

LGPLv3

GNU LESSER GENERAL PUBLIC LICENSE

Version 3, 29 June 2007

Copyright © 2007 Free Software Foundation, Inc. <<http://fsf.org/>>

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates the terms and conditions of version 3 of the GNU General Public License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser General Public License, and the "GNU GPL" refers to version 3 of the GNU General Public License.

"The Library" refers to a covered work governed by this License, other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library. Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

* a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data,

the facility still operates, and performs whatever part of its purpose remains meaningful, or

* b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.

3. Object Code Incorporating Material from Library Header Files.

The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

* a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

* b) Accompany the object code with a copy of the GNU GPL and this license document.

4. Combined Works.

You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

* a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.

* b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

* c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

* d) Do one of the following:

o 0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

o 1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

* e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding

Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)

5. Combined Libraries.

You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

- * a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

- * b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

MIT

MIT License

Copyright (c) <year> <copyright holders>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

MPL2.0

Mozilla Public License Version 2.0

=====

1. Definitions

1.1. "Contributor"

means each individual or legal entity that creates, contributes to the creation of, or owns Covered Software.

1.2. "Contributor Version"

means the combination of the Contributions of others (if any) used by a Contributor and that particular Contributor's Contribution.

1.3. "Contribution"

means Covered Software of a particular Contributor.

1.4. "Covered Software"

means Source Code Form to which the initial Contributor has attached the notice in Exhibit A, the Executable Form of such Source Code Form, and Modifications of such Source Code Form, in each case including portions thereof.

1.5. "Incompatible With Secondary Licenses"

means

(a) that the initial Contributor has attached the notice described in Exhibit B to the Covered Software; or

(b) that the Covered Software was made available under the terms of version 1.1 or earlier of the License, but not also under the terms of a Secondary License.

1.6. "Executable Form"

means any form of the work other than Source Code Form.

1.7. "Larger Work"

means a work that combines Covered Software with other material, in a separate file or files, that is not Covered Software.

1.8. "License"

means this document.

1.9. "Licensable"

means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently, any and all of the rights conveyed by this License.

1.10. "Modifications"

means any of the following:

(a) any file in Source Code Form that results from an addition to,

deletion from, or modification of the contents of Covered Software; or

(b) any new file in Source Code Form that contains any Covered Software.

1.11. "Patent Claims" of a Contributor

means any patent claim(s), including without limitation, method, process, and apparatus claims, in any patent Licensable by such Contributor that would be infringed, but for the grant of the License, by the making, using, selling, offering for sale, having made, import, or transfer of either its Contributions or its Contributor Version.

1.12. "Secondary License"

means either the GNU General Public License, Version 2.0, the GNU Lesser General Public License, Version 2.1, the GNU Affero General Public License, Version 3.0, or any later versions of those licenses.

1.13. "Source Code Form"

means the form of the work preferred for making modifications.

1.14. "You" (or "Your")

means an individual or a legal entity exercising rights under this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants and Conditions

2.1. Grants

Each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

- (a) under intellectual property rights (other than patent or trademark) Licensable by such Contributor to use, reproduce, make available, modify, display, perform, distribute, and otherwise exploit its Contributions, either on an unmodified basis, with Modifications, or as part of a Larger Work; and
- (b) under Patent Claims of such Contributor to make, use, sell, offer for sale, have made, import, and otherwise transfer either its Contributions or its Contributor Version.

2.2. Effective Date

The licenses granted in Section 2.1 with respect to any Contribution become effective for each Contribution on the date the Contributor first distributes such Contribution.

2.3. Limitations on Grant Scope

The licenses granted in this Section 2 are the only rights granted under this License. No additional rights or licenses will be implied from the distribution or licensing of Covered Software under this License. Notwithstanding Section 2.1(b) above, no patent license is granted by a Contributor:

- (a) for any code that a Contributor has removed from Covered Software; or
- (b) for infringements caused by: (i) Your and any other third party's modifications of Covered Software, or (ii) the combination of its Contributions with other software (except as part of its Contributor Version); or
- (c) under Patent Claims infringed by Covered Software in the absence of its Contributions.

This License does not grant any rights in the trademarks, service marks, or logos of any Contributor (except as may be necessary to comply with the notice requirements in Section 3.4).

2.4. Subsequent Licenses

No Contributor makes additional grants as a result of Your choice to distribute the Covered Software under a subsequent version of this License (see Section 10.2) or under the terms of a Secondary License (if permitted under the terms of Section 3.3).

2.5. Representation

Each Contributor represents that the Contributor believes its Contributions are its original creation(s) or it has sufficient rights to grant the rights to its Contributions conveyed by this License.

2.6. Fair Use

This License is not intended to limit any rights You have under applicable copyright doctrines of fair use, fair dealing, or other equivalents.

2.7. Conditions

Sections 3.1, 3.2, 3.3, and 3.4 are conditions of the licenses granted in Section 2.1.

3. Responsibilities

3.1. Distribution of Source Form

All distribution of Covered Software in Source Code Form, including any Modifications that You create or to which You contribute, must be under the terms of this License. You must inform recipients that the Source Code Form of the Covered Software is governed by the terms of this License, and how they can obtain a copy of this License. You may not

attempt to alter or restrict the recipients' rights in the Source Code Form.

3.2. Distribution of Executable Form

If You distribute Covered Software in Executable Form then:

- (a) such Covered Software must also be made available in Source Code Form, as described in Section 3.1, and You must inform recipients of the Executable Form how they can obtain a copy of such Source Code Form by reasonable means in a timely manner, at a charge no more than the cost of distribution to the recipient; and
- (b) You may distribute such Executable Form under the terms of this License, or sublicense it under different terms, provided that the license for the Executable Form does not attempt to limit or alter the recipients' rights in the Source Code Form under this License.

3.3. Distribution of a Larger Work

You may create and distribute a Larger Work under terms of Your choice, provided that You also comply with the requirements of this License for the Covered Software. If the Larger Work is a combination of Covered Software with a work governed by one or more Secondary Licenses, and the Covered Software is not Incompatible With Secondary Licenses, this License permits You to additionally distribute such Covered Software under the terms of such Secondary License(s), so that the recipient of the Larger Work may, at their option, further distribute the Covered Software under the terms of either this License or such Secondary License(s).

3.4. Notices

You may not remove or alter the substance of any license notices (including copyright notices, patent notices, disclaimers of warranty, or limitations of liability) contained within the Source Code Form of the Covered Software, except that You may alter any license notices to the extent required to remedy known factual inaccuracies.

3.5. Application of Additional Terms

You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, You may do so only on Your own behalf, and not on behalf of any Contributor. You must make it absolutely clear that any such warranty, support, indemnity, or liability obligation is offered by You alone, and You hereby agree to indemnify every Contributor for any liability incurred by such Contributor as a result of warranty, support, indemnity or liability terms You offer. You may include additional disclaimers of warranty and limitations of liability specific to any jurisdiction.

4. Inability to Comply Due to Statute or Regulation

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Software due to

statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be placed in a text file included with all distributions of the Covered Software under this License. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

5. Termination -----

5.1. The rights granted under this License will terminate automatically if You fail to comply with any of its terms. However, if You become compliant, then the rights granted under this License from a particular Contributor are reinstated (a) provisionally, unless and until such Contributor explicitly and finally terminates Your grants, and (b) on an ongoing basis, if such Contributor fails to notify You of the non-compliance by some reasonable means prior to 60 days after You have come back into compliance. Moreover, Your grants from a particular Contributor are reinstated on an ongoing basis if such Contributor notifies You of the non-compliance by some reasonable means, this is the first time You have received notice of non-compliance with this License from such Contributor, and You become compliant prior to 30 days after Your receipt of the notice.

5.2. If You initiate litigation against any entity by asserting a patent infringement claim (excluding declaratory judgment actions, counter-claims, and cross-claims) alleging that a Contributor Version directly or indirectly infringes any patent, then the rights granted to You by any and all Contributors for the Covered Software under Section 2.1 of this License shall terminate.

5.3. In the event of termination under Sections 5.1 or 5.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or Your distributors under this License prior to termination shall survive termination.

```
*****
*
* 6. Disclaimer of Warranty
* -----
*
* Covered Software is provided under this License on an "as is"
* basis, without warranty of any kind, either expressed, implied, or
* statutory, including, without limitation, warranties that the
* Covered Software is free of defects, merchantable, fit for a
* particular purpose or non-infringing. The entire risk as to the
* quality and performance of the Covered Software is with You.
* Should any Covered Software prove defective in any respect, You
* (not any Contributor) assume the cost of any necessary servicing,
* repair, or correction. This disclaimer of warranty constitutes an
* essential part of this License. No use of any Covered Software is
* authorized under this License except under this disclaimer.
*
*****
```

```
*****
```

```

*
* 7. Limitation of Liability
* -----
*
* Under no circumstances and under no legal theory, whether tort
* (including negligence), contract, or otherwise, shall any
* Contributor, or anyone who distributes Covered Software as
* permitted above, be liable to You for any direct, indirect,
* special, incidental, or consequential damages of any character
* including, without limitation, damages for lost profits, loss of
* goodwill, work stoppage, computer failure or malfunction, or any
* and all other commercial damages or losses, even if such party
* shall have been informed of the possibility of such damages. This
* limitation of liability shall not apply to liability for death or
* personal injury resulting from such party's negligence to the
* extent applicable law prohibits such limitation. Some
* jurisdictions do not allow the exclusion or limitation of
* incidental or consequential damages, so this exclusion and
* limitation may not apply to You.
*
*****

```

8. Litigation

Any litigation relating to this License may be brought only in the courts of a jurisdiction where the defendant maintains its principal place of business and such litigation shall be governed by laws of that jurisdiction, without reference to its conflict-of-law provisions. Nothing in this Section shall prevent a party's ability to bring cross-claims or counter-claims.

9. Miscellaneous

This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not be used to construe this License against a Contributor.

10. Versions of the License

10.1. New Versions

Mozilla Foundation is the license steward. Except as provided in Section 10.3, no one other than the license steward has the right to modify or publish new versions of this License. Each version will be given a distinguishing version number.

10.2. Effect of New Versions

You may distribute the Covered Software under the terms of the version of the License under which You originally received the Covered Software, or under the terms of any subsequent version published by the license

steward.

10.3. Modified Versions

If you create software not governed by this License, and you want to create a new license for such software, you may create and use a modified version of this License if you rename the license and remove any references to the name of the license steward (except to note that such modified license differs from this License).

10.4. Distributing Source Code Form that is Incompatible With Secondary Licenses

If You choose to distribute Source Code Form that is Incompatible With Secondary Licenses under the terms of this version of the License, the notice described in Exhibit B of this License must be attached.

Exhibit A - Source Code Form License Notice

This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at <http://mozilla.org/MPL/2.0/>.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

You may add additional accurate notices of copyright ownership.

Exhibit B - "Incompatible With Secondary Licenses" Notice

This Source Code Form is "Incompatible With Secondary Licenses", as defined by the Mozilla Public License, v. 2.0.

openssl

```
/* =====  
* Copyright (c) 1998-2016 The OpenSSL Project. All rights reserved.  
*  
* Redistribution and use in source and binary forms, with or without  
* modification, are permitted provided that the following conditions  
* are met:  
*  
* 1. Redistributions of source code must retain the above copyright  
* notice, this list of conditions and the following disclaimer.  
*  
* 2. Redistributions in binary form must reproduce the above copyright  
* notice, this list of conditions and the following disclaimer in  
* the documentation and/or other materials provided with the  
* distribution.  
*  
* 3. All advertising materials mentioning features or use of this  
* software must display the following acknowledgment:  
* "This product includes software developed by the OpenSSL Project  
* for use in the OpenSSL Toolkit. (http://www.openssl.org/)"  
*  
* 4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to  
* endorse or promote products derived from this software without  
* prior written permission. For written permission, please contact  
* openssl-core@openssl.org.  
*  
* 5. Products derived from this software may not be called "OpenSSL"  
* nor may "OpenSSL" appear in their names without prior written  
* permission of the OpenSSL Project.  
*  
* 6. Redistributions of any form whatsoever must retain the following  
* acknowledgment:  
* "This product includes software developed by the OpenSSL Project  
* for use in the OpenSSL Toolkit (http://www.openssl.org/)"  
*  
* THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT ``AS IS'' AND ANY  
* EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR  
* PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR  
* ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,  
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT  
* NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;  
* LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)  
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,  
* STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)  
* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED  
* OF THE POSSIBILITY OF SUCH DAMAGE.  
* =====  
*  
* This product includes cryptographic software written by Eric Young  
* (eay@cryptsoft.com). This product includes software written by Tim  
* Hudson (tjh@cryptsoft.com).  
*/
```

Original SSLeay License

```
-----
/* Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com)
 * All rights reserved.
 *
 * This package is an SSL implementation written
 * by Eric Young (eay@cryptsoft.com).
 * The implementation was written so as to conform with Netscapes SSL.
 *
 * This library is free for commercial and non-commercial use as long as
 * the following conditions are aheared to. The following conditions
 * apply to all code found in this distribution, be it the RC4, RSA,
 * lhash, DES, etc., code; not just the SSL code. The SSL documentation
 * included with this distribution is covered by the same copyright terms
 * except that the holder is Tim Hudson (tjh@cryptsoft.com).
 *
 * Copyright remains Eric Young's, and as such any Copyright notices in
 * the code are not to be removed.
 * If this package is used in a product, Eric Young should be given attribution
 * as the author of the parts of the library used.
 * This can be in the form of a textual message at program startup or
 * in documentation (online or textual) provided with the package.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the copyright
 * notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 * notice, this list of conditions and the following disclaimer in the
 * documentation and/or other materials provided with the distribution.
 * 3. All advertising materials mentioning features or use of this software
 * must display the following acknowledgement:
 * "This product includes cryptographic software written by
 * Eric Young (eay@cryptsoft.com)"
 * The word 'cryptographic' can be left out if the rouines from the library
 * being used are not cryptographic related :-).
 * 4. If you include any Windows specific code (or a derivative thereof) from
 * the apps directory (application code) you must include an acknowledgement:
 * "This product includes software written by Tim Hudson (tjh@cryptsoft.com)"
 *
 * THIS SOFTWARE IS PROVIDED BY ERIC YOUNG ``AS IS'' AND
 * ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
 * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
 * ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE
 * FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
 * DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
 * OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
 * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
 * LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
 * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
 * SUCH DAMAGE.
 *
 * The licence and distribution terms for any publically available version or
 * derivative of this code cannot be changed. i.e. this code cannot simply be
 * copied and put under another distribution licence
```

* [including the GNU Public Licence.]
*/

Paul Hsieh exposition license

The content of all text, figures, tables and displayed layout is copyrighted by its author and owner Paul Hsieh unless specifically denoted otherwise. Redistribution is limited to the following conditions:

- The redistributor must fully attribute the content's authorship and make a good faith effort to cite the original location of the original content.
- The content may not be modified via excerpt or otherwise with the exception of additional citations such as described above without prior consent of Paul Hsieh.
- The content may not be subject to a change in license without prior consent of Paul Hsieh.
- The content may be used for commercial purposes.

PD

This is free and unencumbered software released into the public domain.

Anyone is free to copy, modify, publish, use, compile, sell, or distribute this software, either in source code form or as a compiled binary, for any purpose, commercial or non-commercial, and by any means.

In jurisdictions that recognize copyright laws, the author or authors of this software dedicate any and all copyright interest in the software to the public domain. We make this dedication for the benefit of the public at large and to the detriment of our heirs and successors. We intend this dedication to be an overt act of relinquishment in perpetuity of all present and future rights to this software under copyright law.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

PSFv2

PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2

1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using this software ("Python") in source or binary form and its associated documentation.
2. Subject to the terms and conditions of this License Agreement, PSF hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006 Python Software Foundation; All Rights Reserved" are retained in Python alone or in any derivative version prepared by Licensee.
3. In the event Licensee prepares a derivative work that is based on or incorporates Python or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python.
4. PSF is making Python available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.
5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.
6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.
7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.
8. By copying, installing or otherwise using Python, Licensee agrees to be bound by the terms and conditions of this License Agreement.

BEOPEN.COM LICENSE AGREEMENT FOR PYTHON 2.0

BEOPEN PYTHON OPEN SOURCE LICENSE AGREEMENT VERSION 1

1. This LICENSE AGREEMENT is between BeOpen.com ("BeOpen"), having an office at 160 Saratoga Avenue, Santa Clara, CA 95051, and the Individual or Organization ("Licensee") accessing and otherwise using this software in source or binary form and its associated documentation ("the Software").

2. Subject to the terms and conditions of this BeOpen Python License Agreement, BeOpen hereby grants Licensee a non-exclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use the Software alone or in any derivative version, provided, however, that the BeOpen Python License is retained in the Software, alone or in any derivative version prepared by Licensee.

3. BeOpen is making the Software available to Licensee on an "AS IS" basis. BEOPEN MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, BEOPEN MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

4. BEOPEN SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF THE SOFTWARE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF USING, MODIFYING OR DISTRIBUTING THE SOFTWARE, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

5. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

6. This License Agreement shall be governed by and interpreted in all respects by the law of the State of California, excluding conflict of law provisions. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between BeOpen and Licensee. This License Agreement does not grant permission to use BeOpen trademarks or trade names in a trademark sense to endorse or promote products or services of Licensee, or any third party. As an exception, the "BeOpen Python" logos available at <http://www.pythonlabs.com/logos.html> may be used according to the permissions granted on that web page.

7. By copying, installing or otherwise using the software, Licensee agrees to be bound by the terms and conditions of this License Agreement.

CNRI LICENSE AGREEMENT FOR PYTHON 1.6.1

1. This LICENSE AGREEMENT is between the Corporation for National Research Initiatives, having an office at 1895 Preston White Drive, Reston, VA 20191 ("CNRI"), and the Individual or Organization ("Licensee") accessing and otherwise using Python 1.6.1 software in

source or binary form and its associated documentation.

2. Subject to the terms and conditions of this License Agreement, CNRI hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python 1.6.1 alone or in any derivative version, provided, however, that CNRI's License Agreement and CNRI's notice of copyright, i.e., "Copyright (c) 1995-2001 Corporation for National Research Initiatives; All Rights Reserved" are retained in Python 1.6.1 alone or in any derivative version prepared by Licensee. Alternately, in lieu of CNRI's License Agreement, Licensee may substitute the following text (omitting the quotes): "Python 1.6.1 is made available subject to the terms and conditions in CNRI's License Agreement. This Agreement together with Python 1.6.1 may be located on the Internet using the following unique, persistent identifier (known as a handle): 1895.22/1013. This Agreement may also be obtained from a proxy server on the Internet using the following URL: <http://hdl.handle.net/1895.22/1013>".

3. In the event Licensee prepares a derivative work that is based on or incorporates Python 1.6.1 or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python 1.6.1.

4. CNRI is making Python 1.6.1 available to Licensee on an "AS IS" basis. CNRI MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, CNRI MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON 1.6.1 WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. CNRI SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON 1.6.1 FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 1.6.1, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. This License Agreement shall be governed by the federal intellectual property law of the United States, including without limitation the federal copyright law, and, to the extent such U.S. federal law does not apply, by the law of the Commonwealth of Virginia, excluding Virginia's conflict of law provisions. Notwithstanding the foregoing, with regard to derivative works based on Python 1.6.1 that incorporate non-separable material that was previously distributed under the GNU General Public License (GPL), the law of the Commonwealth of Virginia shall govern this License Agreement only as to issues arising under or with respect to Paragraphs 4, 5, and 7 of this License Agreement. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between CNRI and Licensee. This License Agreement does not grant permission to use CNRI trademarks or

trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By clicking on the "ACCEPT" button where indicated, or by copying, installing or otherwise using Python 1.6.1, Licensee agrees to be bound by the terms and conditions of this License Agreement.

ACCEPT

CWI LICENSE AGREEMENT FOR PYTHON 0.9.0 THROUGH 1.2

Copyright (c) 1991 - 1995, Stichting Mathematisch Centrum Amsterdam, The Netherlands. All rights reserved.

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Stichting Mathematisch Centrum or CWI not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

STICHTING MATHEMATISCH CENTRUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL STICHTING MATHEMATISCH CENTRUM BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Zlib

zlib License

This software is provided `as-is`, without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.