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(D-Bus 1.12.20, dbus-python 1.2.8)

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(Ruby 2.5.5)

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(Network Time Protocol project (NTP) 4.2.8p12)

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(libhyperscan4.2 5.1.0)

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(jemalloc 5.1.0)

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(tcpstat 1.5)

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(mpdecimal 2.4.2)

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(OpenSSH 7.9p1)

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(rexml 3.2.5, webrick 1.7.0)

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(power\_assert 1.1.1)

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(golang-1.17-doc 1.17.8)

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(gcc-8-base 8.3.0)

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(ledgetech/lua-resty-http v0.13)

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(pkg/errors v0.9.1)

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(lua-nginx-module v0.10.15)

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(libonig-dev 6.9.1)

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Source: <https://github.com/kkos/oniguruma>

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(Ruby 2.5.5, ruby-openssl 2.1.2, ruby2.5 2.5.5)

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(golang-github-magiconair-properties v1.8.5)

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(ruby-rexml 3.2.4)

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(UNFS3 user-space NFSv3 server 0.9.22)

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(Network Time Protocol project (NTP) 4.2.8p12)

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(Libjpeg 1.5.2)

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(libtirpc 1.1.4, RPCBind 1.2.5)

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(tcpdump 4.9.3)

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(pcscd 1.8.24)

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(OpenJDK 8u312-b07)

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(python-dateutil 2.7.3)

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(golang-github-spf13-pflag-dev v1.0.5)

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(go-inf-inf v0.9.1)

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(fsnotify-fsnotify v1.4.9)

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(Go programming language 20181002-snapshot)

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(zstd 1.3.8)

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(google/starlark-go 20210818-snapshot)

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(protocolbuffers/protobuf-go v1.23.0)

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([golang.org/x/errors](http://golang.org/x/errors) 20220118-snapshot)

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language 20160124-snapshot, go-etcd v3.4.16, go.goglesource.com/arch 20221208-snapshot, gocql/gocql b225f9b53fa19e0707732bc63796b472c5e7b0da, golang-golang-x-text 0.3.6, golang-misc 1.17.7, golang-race 1.17.7, golang.org/x/mod 20220727-snapshot, golang/term 7de9c90e9dd184706b838f536a1cbf40a296ddb7, groff 1.22.4, H2 Database Engine 1.4.199, idna 2.6, iftop 1.0pre4, inetutils-inetd 1.9.4, init-system-helpers 1.56+nmu1, inxi 3.0.32-1, Java(TM) API for XML-Based Web Services 2.3 2.0.0.Final-redhat-00001, JavaHelp System 19991005, jersey-core-server 2.25.1, JFlex 1.6.0, jQuery 3.3.1, JSON for Modern C++ v3.7.3, kernel-debuginfo-common-x86\_64 4.19.0, ldb-tools 1.5.1+really1.4.6, libcalendar-ocaml-dev 12.1.6, libcap 2.25, libdumbnet 1.12, libgcrypt 1.8.4, libgpg-error 1.35, libmariadb-java 2.3.0, libmariadb3 10.3.31, libpng v1.6.36, libsecret-1-0 0.18.7, libsecret-common 0.18.7, libssh2 1.8.0, libtalloc1 2.1.14, libtdb1 1.3.16, libtevent0 0.9.37, Linux Kernel v4.19.208, Linux kernel crash utility 7.2.3, Linux Kernel SCTP 1.0.18, Linux-Pam 1.3.1, Locales 2.28, lsb 10.2019051400, lsb-release 10.2019032400, luahs 34d0b701c5e3b0f21bb72d9391b832926177a1f3, lxc/lxd-pkg-ubuntu 4.15, MariaDB 10.3.31, mariadb-client-10.3 10.3.31, MarkupSafe 1.1.0, mpdecimal 2.4.2, nashorn jdk8u265-b01-x1, ncurses 6.1+20181013, Netlink Protocol Library Suite (libnl) 3.4.0, Netty Project 4.0.54.Final, NMAP 7.70, NSS 3.42.1, open-vm-tools 10.3.10, opentracing-cpp v1.6.0, p11-kit-trust 0.23.15, PCRE 8.39, PCRE2 10.32, Perl 5.28.1, prometheus-common v0.18.0, pyagentx 0.4.1, PyCrypto 2.6.1, python-decorator 4.3.0, python-liblinear 2.1.0+dfsg, python-netaddr 0.7.19, python-werkzeug 0.14.1, python-Werkzeug-doc 0.14.1, pythonfutures 2.1.6, pythonfutures 3.2.0, RFC 3526 May 2003, rsyslog v8.1901.0, runc 1.0.0-rc6, Samba 4.9.5, Shadow Tool Suite 4.5, snmpd 5.7.3, Snowball stemmer 1.3.0.581.1, tcl8.6 8.6.9, tdb-tools 1.3.16, Telegram Bots 4.3.1, The FreeType Project 2.9.1, util-linux 2.33.1, vncpasswd.py v1.2.1, yajl-c 2.1.0)

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(python-cryptography 2.6.1)

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(@netapp/luci 3.1.2)

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(Go programming language 0.0~git20191118.07fc4c7+ds)

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(antlr4-cpp-runtime 4.7.2)

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(libuv 1.24.1)

Files: getopt.c

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(protobuf-c 1.3.1)

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(golang.org/x/crypto 0.0~git20210817.32db794)

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Upstream-Contact: <https://github.com/golang/go/issues>

Source: <https://golang.org/x/crypto>

Files: \*

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(libhyperscan4.2 5.1.0)

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(golang-1.17-doc 1.17.8)

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(gcc-8-base 8.3.0)

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(itsdangerous 0.24, python-itsdangerous 0.24)

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(iputils 20180629)

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(colorama 0.3.7)

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(Flask 1.0.2)

Source: <https://pypi.python.org/pypi/Flask>

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(sg3\_utils 1.44)

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(jsonpickle 0.9.5)

Upstream-Contact: John Paulett  
Source: <https://github.com/jsonpickle/jsonpickle>

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(ODP-DPDK 0.10.1)

Upstream-Contact: [coresight@lists.linaro.org](mailto:coresight@lists.linaro.org)  
Source: <https://github.com/Linaro/OpenCSD>

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(antlr 4.7.2)

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(stringtemplate4 4.0.8)

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(libevent 2.1.8-stable)

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(nokogiri 1.11.6, rubygem-nokogiri 1.11.6)

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(Network Time Protocol project (NTP) 4.2.8p12)

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(klibc-utils 2.0.6, libklibc 2.0.6)

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(tcl8.6 8.6.9)

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(RPCBind 1.2.5)

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(Network Time Protocol project (NTP) 4.2.8p12)

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(pypi/setuptools 40.8.0, python-dateutil 2.7.3, Python-Roman 2.0.0, python2.1-xmlbase 2.1.3, vncpasswd.py v1.2.1)

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(kernel-debuginfo-common-x86\_64 4.19.0, Linux Kernel v4.19.208, Ruby 2.5.5)

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(Bootstrap (Twitter) 3.4.1, Go programming language 0.0~git20191118.07fc4c7+ds, Ruby 2.5.5)

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(golang-1.17-doc 1.17.8, jq 1.5, Ruby on Rails 5.2.2.1)

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Version 3, 19 November 2007

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(autodie 2.29, base-files 10.3+deb10u11, Config::IniFiles 3.000001, CPAN 2.20, CPAN::Meta 2.150010, debian-archive-keyring 2019.1+deb10u1, DevelPPPort 3.40, Dynamic Library Call Tracer 0.7.3, ExtUtils::CBuilder 0.280230, ExtUtils::MakeMaker 7.34, Gawk 4.2.1, gcc-8-base 8.3.0, GNU grep 3.3, GNU Internet Utilities 1.9, GNU nano 3.2, gzip 1.9, HTTP::Tiny 0.070, IO 1.39, IPC::SysV 2.07, JSON-PP 2.97.001, kernel-debuginfo-common-x86\_64 4.19.0, libcpan-meta-yaml-perl 0.018, libdbi-perl 1.642, libdigest-sha-perl 6.01, libencode-perl 3.02, libextutils-cbuilder-perl 0.280230, libextutils-parsexs-perl 3.350000, libipc-run-perl 20180523.0, liblocale-codes-perl 3.56, libmath-bigint-perl 1.999811, libmodule-corelist-perl 5.20180622, LibNet 3.10, libpod-parser-perl 1.63, libpod-simple-perl 3.35, libscalar-list-utils-perl 1.50, libtext-charwidth-perl 0.04, libtext-template-perl 1.58, libtext-wrapi18n-perl 0.06, libversion-perl 0.9924, Linux Kernel v4.19.208, Linux kernel crash utility 7.2.3, Locale::Maketext 1.29, lxc/lxd-pkg-ubuntu 4.15, Math::BigInt::FastCalc 0.500.600, Module::CoreList 5.20190419, Module::Load 0.32, Module::Load::Conditional 0.68, nginx 1.14.2, OpenJDK 8u312-b07, Perl 5.28.1, Perl 5 Encode 2.97, perl-Attribute-Handlers 1.01, perl-Class-Struct 0.65, perl-DBI 1.642, perl-DBM\_Filter 0.06, perl-Devel-SelfStubber 1.06, perl-encoding-warnings 0.13, perl-experimental 0.019, perl-ExtUtils-Constant 0.25, perl-ExtUtils-Miniperl 1.08, perl-ExtUtils-ParseXS 3.39, perl-File-DosGlob 1.12, perl-File-stat 1.08, perl-Filter-Simple 0.95, perl-Getopt-Std 1.12, perl-gettext 1.07, perl-Hash-Util-FieldHash 1.20, perl-I18N-LangTags 0.43, perl-libnetcfg 5.32.1, perl-Math-Complex 1.59, perl-overloading 0.02, perl-Params-Check 0.38, perl-Pod-Functions 1.13, perl-Pod-Html 1.24, perl-Pod-Usage 1.69, perl-Term-ANSIColor 4.06, perl-Term-Complete 1.403, perl-Term-ReadLine 1.17, perl-Text-CharWidth 0.04, perl-Text-WrapI18N 0.06, perl-Thread-Semaphore 2.13, perl-threads-shared 1.58, perl-Tie 4.6, perl-Time 1.03, perl-User-pwent 1.03, perl-version 0.99.23, pinentry-curses 1.1.0, Pod::Checker 1.73, Pod::Escapes 1.07, Pod::Perldoc 3.28.01, Ruby 2.5.5, Shadow Tool Suite 4.5, Test::Harness 3.42, Time::Local 1.250, Unicode::Collate 1.25, zstd 1.3.8)

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Version 1, February 1989

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(alpine-baselayout 3.1.1, alpine-baselayout 3.2.0, apk-tools 2.10.5, AppArmor: Application Armor 2.13.2, Audit 2.8.4, bsduutils 2.33.1, busybox 1.31.0, busybox 1.31.1, Common Unix Printing System (CUPS) 2.2.10, cpupower 5.1, devmapper 1.02.155, docker 18.09.1, dpkg 1.19.7, ebttables 2.0.10.4+snapshot20181205, FUSE 2.9.9, galera-3 25.3.25, Gawk 4.2.1, gcc-8-base 8.3.0, gkernel: rng-tools / ethtool v4.19, GNU C Library 2.28, greenlet 0.4.15, hostname 3.21, inetutils-inetd 1.9.4, iproute2 4.20.0, IPTables v1.8.2, iptraf-ng 1.1.4, irqbalance 1.5.0, JSON for Ruby 2.1.0, keepalived 2.1.5, kernel-debuginfo-common-x86\_64 4.19.0, kexec-tools 2.0.18, libcap 2.25, libmariadb3 10.3.31, libnl-genl-3-200 3.4.0, libsystemd0 241, Linux Kernel v4.19.208, Linux kernel crash utility 7.2.3, Linux-misc 4.19.67, linux-misc 5.5.17, Linux-misc v4.19.208, linux-signed-amd64 4.19.208, Locales 2.28, lsb 10.2019051400, lsb-release 10.2019032400, lsvpd 2.1.0+repack, MariaDB 10.3.31, mariadb-client-10.3 10.3.31, mdadm 4.1, moreutils 0.62, Netlink Protocol Library Suite (libnl) 3.4.0, nftables 0.9.0, NMAP 7.70, open-vm-tools 10.3.10, OpenJDK 8u312-b07, Perl 5.28.1, RabbitMQ amqp-client 4.4.1, samuelkadolph/s3cmd 2.1.0, socat 1.7.3.2, SQLite 3.27.2, systemd 241, The FreeType Project 2.9.1, ucf 3.0038+nmu1, udev 241, util-linux 2.33.1, zstd 1.3.8)

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Version 2, June 1991

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The Java Image Browser and Sorter beta 0.4, Jinja 2.10, jnr-unixsocket 0.17, jnr-unixsocket 0.18, jq 1.5, jQuery 3.3.1, JRst :: Docutils 2.3, JSON for Ruby 2.1.0, keepalived 2.1.5, keepalived-sample-config 2.1.5, kernel-debuginfo-common-x86\_64 4.19.0, kernel-module-uinput 2.6.35.3, kexec-tools 2.0.18, keyutils 1.6, Legend Shared - Server 0.23.3, libassuan 2.5.2, libcap 2.25, libcap-ng 0.7.9, libcpa-meta-yaml-perl 0.018, libcsv 3.0.3, libdaemon 0.14, libdbi-perl 1.642, libdigest-sha-perl 6.01, libencode-perl 3.02, libev 4.22, libev 4.25, libextutils-cbuilder-perl 0.280230, libextutils-parsexs-perl 3.350000, libffi 3.2.1, libgcrypt 1.8.4, libgdbm 1.18.1, libhyperscan4.2 5.1.0, Libidn 1.33, Libidn 2.0.5, libipc-run-perl 20180523.0, libklibc 2.0.6, libksba 1.3.5, liblcms2-utils 2.9, liblocale-codes-perl 3.56, libmariadb3 10.3.31, libmath-bigint-perl 1.999811, libmnl 1.0.4, libmodule-corelist-perl 5.20180622, libnetfilter-contrack-dev 1.0.7, libnftlink 1.0.1, libnftnl 1.1.2, libnl-genl-3-200 3.4.0, libnuma1 2.0.12, libpipeline - 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(gcc-8-base 8.3.0, GDB 8.2.1, libatomic1 8.3.0, libstdc++6 8.3.0)

## GCC RUNTIME LIBRARY EXCEPTION

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"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.

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(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.)

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Version 2.1, February 1999

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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.

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(Gawk 4.2.1, gcc-8-base 8.3.0, Libidn 2.0.5, Linux kernel crash utility 7.2.3)

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Version 3, 29 June 2007

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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

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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.

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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:

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- \* 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.)

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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.

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“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.

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#### 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.

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\* 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

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\* 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.

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Version 2, June 1991

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[This is the first released version of the Library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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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".)

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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.

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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 compile 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) 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.

c) 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.

d) 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 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.

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(Go programming language 1.17.8, Go programming language 20160124-snapshot)

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### INTRODUCTORY STATEMENT

Software that Hacktivismo[fn1] releases under this License Agreement is intended to promote our political objectives. And, likewise, the purpose of this License Agreement itself is political: Namely, to compliment the software's intended political function. Hacktivismo itself exists to develop and deploy computer software technologies that promote fundamental human rights of end-users.

Hacktivismo also seeks to enlist the active participation and involvement of people around the world, to help us improve these software tools, and to take other actions (including actions that involve using and distributing our software, and the advancement of similarly-minded software projects of others) that promote human rights and freedom worldwide.

[fn1] <http://hactivismo.com/>

Because of our non-commercial objective of promoting end-users' freedoms, Hacktivismo has some special, and admittedly ambitious, licensing needs. This License Agreement enhances the benefits of published source code by backing up our human rights projects with appropriate remedies enforceable in court.

The Freedoms We Promote: When we speak of the freedom of end-users, we are talking about basic freedoms recognized in the Hacktivismo Declaration,[fn2] the International Covenant on Civil and Political Rights,[fn3] the Universal Declaration of Human Rights,[fn4] and other documents that recognize and promote freedom and human dignity. Principal among these freedoms are:

[fn2] <http://hactivismo.com/about/declarations/>

[fn3] [http://www.unhchr.ch/html/menu3/b/a\\_ccpr.htm](http://www.unhchr.ch/html/menu3/b/a_ccpr.htm)

[fn4] <http://www.un.org/Overview/rights.html>

Freedom of Expression: The freedom of opinion and expression "include[s] freedom to seek, receive and impart information and ideas of all kinds, regardless of frontiers,"[fn5] and the freedom to choose one's own medium of expression. The arbitrary use of technological censorship measures to block or prevent access to broad categories of speech and expression including the work of critics, intellectuals, artists, journalists, and religious figures is seldom, if ever, justified by any legitimate governmental objective. And, to the extent that technology enables censorship decisions to be removed from public scrutiny and review, technology-based censorship mechanisms are especially suspect and dangerous to civil society. When repressive governments and other institutions of power seek to deprive people of this basic freedom, people have the right to secure, employ and deploy the tools necessary to reclaim the freedoms to which they are justifiably entitled.

[fn5] Article 19, Universal Declaration of Human Rights.

Freedom of Collective Action and Association: People have and should have the "freedom of peaceful assembly and association." [fn6] This freedom includes the right of people to work together to secure constructive change in their personal, economic, and political circumstances. When repressive governments or other institutions of power seek to deprive people (including users of the Internet) of their freedoms of voluntary assembly, association, and common enterprise, people have the right to secure, employ and deploy technologies that reclaim the freedoms to which they are justifiably entitled.

[fn6] Article 20(1), Universal Declaration of Human Rights.

Freedoms of Thought, Conscience, Sexuality, and Religion: People have and should have the freedom of "thought, conscience, and religion." [fn7] This right

"includes freedom to change religion or belief, and freedom, either alone or in community with others, in public or private, to manifest any religion or belief in teaching, practice, worship and observance, regardless of doctrine."<sup>[fn8]</sup> Every person, regardless of sex or sexual preference, and with reciprocal respect for the corresponding rights of all others, has and should have the right to determine and choose, freely and without coercion, whether, how and with whom he or she shall fully enjoy the most private and personal aspects of human life, including individual sexuality, reproduction, and fertility. Moreover, "[t]he explicit recognition and reaffirmation of the right of all women to control all aspects of their health, in particular their own fertility, is basic to their empowerment."<sup>[fn9]</sup> When repressive governments and other institutions of power seek to deprive people of these basic freedoms, they have the right to secure, employ and deploy the tools necessary to reclaim the freedoms to which they are justifiably entitled.

<sup>[fn7]</sup> Article 18, Universal Declaration of Human Rights.

<sup>[fn8]</sup> Id.

<sup>[fn9]</sup> Paragraph 17, Beijing Declaration of the Fourth United Nations Conference on Women (Sept. 15, 1995).

Freedom of Privacy: Every person has the right to be free from "subject[ion] to arbitrary interference with his [or her] privacy, family, home or correspondence"<sup>[fn10]</sup> -- digitally, or by any other means or methodology. This freedom of privacy includes the right to be free from governmental or private surveillance that might interfere with or deter the rightful exercise of any other freedoms of any person. In the context of software tools that enable people to reclaim their freedoms, all end-users have and should have the right to secure and use tools that are free from the surreptitious insertion into their software of "backdoors," "spy-ware," escrow mechanisms, or other code or techniques that might promote surveillance, or subvert security (including cryptographic security), confidentiality, anonymity, authenticity and/or trust.

<sup>[fn10]</sup> Article 12, Universal Declaration of Human Rights.

Reasons For Enhancing "Free" and "Open-Source" Licensing: Developing a new software license is never a trivial task and this License Agreement has presented special challenges for Hacktivism. Because of our human rights objectives, this License Agreement includes some specific terms and conditions that, as a technical matter, depart from the previously-recognized and established definitions of "free"<sup>[fn11]</sup> software and "open source"<sup>[fn12]</sup> software.

<sup>[fn11]</sup> <http://www.gnu.org/philosophy/free-sw.html>

<sup>[fn12]</sup> [http://www.opensource.org/docs/definition\\_plain.php](http://www.opensource.org/docs/definition_plain.php)

We have therefore coined the term "enhanced source" to describe this License Agreement because we have sought to combine most of the freedom-promoting benefits of "free" or "open-source" software (including mandatory disclosure of any changes or modifications Licensees make to the source code, whenever they release modified versions of HESSLA-licensed Programs or other Derivative Works), with additional enhanced license and contractual terms that are intended to promote the freedom of end-users. The Hacktivism Enhanced-Source Software License Agreement promotes our objectives in an enhanced manner by including

contractual terms that empower both Hacktivism and qualified end-users with greater flexibility and leverage to maintain and recover human rights, through the mechanism of the contract itself including terms that are designed to enhance both our enforcement posture and that of qualified end-users in court.

To be sure, Hacktivism enthusiastically endorses and supports the goals and objectives of the Free Software movement and those of the open source community. In particular, we owe a special debt of gratitude to the Free Software Foundation, to the Open Source Initiative, and to many exceedingly talented people who have contributed to Free Software and open source projects and endeavors over the years.

Ultimately, however, after reviewing the field of possibilities among previously-existing "open source" and "free" licenses, Hacktivism has concluded that none of them fully meets our requirements. Writing our own License Agreement enables us to pursue our human rights objectives more effectively. This licensing endeavor represents a first step toward achieving our objectives, and no doubt informed feedback, scholarship, and learned commentary will enable us to pursue our objectives even more effectively in the future.

Benefits That Carry Over From Free Software: Before we explain how an "enhanced source" License Agreement specifically differs from a "free" or "open source" license, we believe it is helpful to explain in greater detail what the principal advantages, and freedom-enhancing aspects, of "free" software are.

When we speak of "free software," we refer to important personal freedoms, and not price. In addition to terms that are intended to promote the freedoms of Expression, Thought, Collective Action and Privacy (along with other human rights) of all end-users, the Hacktivism Enhanced-Source Software License Agreement is also designed and intended to promote the following freedoms:

- \* You have the freedom to distribute copies of the software (and charge for this service if You wish);

- \* You have the freedom of access to the source code, to inspect and verify (and even to improve, if You can) the integrity and functionality of the software;

- \* So long as You do not subvert or infringe the freedoms of end-users by doing so, You have the freedom to change the software or to use parts of it in new Programs;

- \* You have the freedom to know You can do these things.

The licenses for most computer software programs are designed to take away Your freedom to share software or change source code. This kind of software is designated as proprietary or "closed." The Hacktivism Enhanced-Source Software License Agreement -- like other license agreements that have served as inspiration for our work -- is intended to promote both Your freedom to share our software with others, and Your freedom to change and improve the software. Your right under this License Agreement to look at the source not only enables You to contribute Your own efforts to Hacktivism's human rights projects, but also serves as an additional level of assurance to You as an end-user that unwelcome,

hidden surprises have not been inserted into the software, that could compromise Your rights and freedoms when You use the software.

HESSLA Helps Safeguard Additional End-User Freedoms: In order to understand why this License Agreement must be described as "enhanced source," and cannot strictly speaking be considered either a "free" or "open source" license agreement, it is helpful to consider the possibility that a programmer might insert malicious code, such as a computer virus, a keystroke logger, or "spyware" into a program that has previously been released under a "free software" license agreement.<sup>[fn13]</sup> The act of inserting malicious code into software, if done by a private individual or company (though many governments will contend they are not required to play by the same rules as the rest of us), may well violate criminal laws and result in civil tort liability. It is, of course, also possible to deter such malicious behavior by including, in a software license agreement, a specific contractual term that prohibits such behavior meaning that any licensee who violates the prohibition against malicious code can be sued by the licensor (or by third-party beneficiaries who the licensor has explicitly identified as alternate or additional enforcers of the agreement) for money damages and a court order forbidding any continued violation.

<sup>[fn13]</sup>In this regard, a the following hypothetical illustration should be particularly helpful. If an organization of computer security enthusiasts were to release, under the GNU General Public License ("GPL"), a program called "Grey Eminence 3000" ("GE3K") a remote-administration tool for Microsoft Windows, that helps illustrate how insecure this particular commercial product happens to be it should hardly be surprising that the United States Secret Service and Federal Bureau of Investigation, after making some loud and misleading apocalyptic noises about "computer hackers" to Congress and in the media (primarily in a largely successful effort to increase their technology budgets), would also study the software to see what it does, how it does it, and whether any of those capabilities happen to be features that law enforcement might find helpful. Of course, if the U.S. federal law enforcement community were to announce, several months later, that it had commissioned the development of "classified" quasi-viral computer-intrusion and surveillance software called "Magic Candle" the capabilities of which law enforcement does not plan to disclose to the public, and the source code for which will remain a closely-guarded secret then inquiring minds might become curious as to whether "Magic Candle" contains any of the GPLed code that was written for "GE3K" (or any other free or open-source software, for that matter). Needless to say, under the right factual circumstances, if any GPLed code from GE3K found its way into "Magic Candle," then the U.S. government or its software development contractor might well be obligated to reveal to the public all the source code for "Magic Candle." Nevertheless, so long as the "Magic Candle" source is never publicly released for comparison purposes, then everyone with legitimate questions about GPL compliance faces a chicken-and-egg problem. So long as the source of "Magic Candle" remains secret, detection of a GPL violation becomes dramatically more difficult (particularly so if, additionally, nobody outside law enforcement has access to the compiled executables), which means the worldwide community of Internet users and software developers has only the United States government's solemn assurance that no GE3K code was used cold comfort at best.

Previous Licenses Provide More Limited Protection Against Government and Other Surveillance: No software license agreement that qualifies as "free" or "open source" may contain any restriction as a term of the license agreement that in any way qualifies any Licensee's prerogative (no matter who they are or what their motives may be) to make changes to code. In other words, an "open source" license agreement, to qualify for the "open source" label, may not even contain a term that prohibits the insertion of destructive viruses or "trojan horses" into derivative code. Likewise, no "free" or "open source" license agreement can in any way contain (as a license term) any restriction on the use of software not even a prohibition against unlawful surveillance or other malicious uses of the software.

The "open source" and "Free Software" communities rely principally on voluntary compliance<sup>[fn14]</sup> with the disclosure provisions of license agreements (although many "free" and "open source" license agreements, such as BSD-style licenses, do not require changed code to be disclosed, and in fact enable modified versions of programs to be "taken proprietary") and on social mechanisms of enforcement, as means to detect, prevent, deter, and remedy abuses.

<sup>[fn14]</sup>As the example in Note 13 illustrates, it is sometimes difficult to determine whether the source disclosure requirement of the GPL has been violated, such as when a modified version of a program has been distributed without source, precisely because detection of a disclosure violation depends in part on the disclosure of the source of derivative works in order to compare whether a putative derivative really does contain code derived from a GPLed parent work.

The Hactivismo Enhanced-Source Software License Agreement does not in any way sacrifice or surrender the enforcement techniques and safeguards available under license agreements such as the GNU General Public License. Rather, the HESSLA enhances the options available to Hactivismo and to qualified end-users, by providing additional enforcement options. Moreover, for the purpose of promoting the freedoms of both programmers and end-users, through the enforced mandatory disclosure of code modified by third-parties, this License Agreement has advantages over many of the licenses (such as BSD-style licenses) that fully qualify as "free" or "open-source" license agreements.

What makes this License Agreement an "enhanced source" License Agreement, instead of a "free software" license agreement, is that the Hactivismo Enhanced-Source Software License Agreement contains specific, very limited restrictions on modification and use of software by Licensees, as part of a calculated trade-off of rights and responsibilities that is intended to promote the freedom of end-users.

The Enhanced-Source Bargain Reinforces End-User Freedoms: To protect Your rights, we need to make restrictions that forbid anyone to deny You specific rights or to ask You to surrender these rights. To protect Your human rights as an end-user of this program or any work based on it, we need to make restrictions that forbid You and all other Licensees of this software (including, without limitation, any government Licensees) from using this code to subvert the human rights of any end-user.

We protect Your rights and the rights of all end-users with two steps: (1) copyright the software, and (2) offer You this License Agreement which gives You qualified legal permission to copy, distribute and/or modify the software.

The restrictions shared by all Licensees translate into certain responsibilities for You and for everyone else (including governmental entities everywhere) if You distribute copies of the software, if You use it, or if You modify it.

In this regard, the methodology we employ is not materially different from the methodology Free Software Foundation employs in the GNU General Public License (the "GPL"). The methodology is to exchange the Author's permission to copy, change, and/or distribute a copyrighted work, for every Licensee's acceptance of terms and conditions that promote the licensor's objectives. In both this License Agreement and the GPL, the terms and conditions that each Licensee must accept are intended to discriminate against certain very narrow, limited kinds of human endeavor, that are inconsistent with the licensor's political objectives. In other words, the GPL requires each Licensee to promise not to engage in the activity of 'propertizing,' or 'taking proprietary,' modifications to GPLed code; modified code must also be released under the GPL, and cannot be released in the form of "closed" executables, or otherwise be made "proprietary." Likewise, the Hacktivismo Enhanced Source Software License Agreement discriminates against undesirable activity such as surveillance, introduction of certain kinds of malicious code, and human rights violations, as well as discriminating against "propertizing" behavior such as might violate the GPL. Subject to these narrow restrictions, Licensees under either license agreement enjoy very broad latitude to change, use, explore, modify, and distribute the software much broader than they would enjoy with typical "proprietary" software packages.

As with "copyleft" licenses such as the GPL, under the Hacktivismo Enhanced Source Software License Agreement, programmers (including, most importantly, programmers working for governments) do not have unfettered or completely unlimited "freedom" for purposes of what they can do with HESSLA-licensed code. Just as with the GPL, they do not have the "freedom" to convert HESSLA-licensed code into "closed" or "proprietary" code. People who create derivative works based on an HESSLA-licensed program and distribute those works have a corresponding obligation to "give back," and not merely to "take," HESSLA-licensed code.

If You distribute copies of such an HESSLA-licensed program, whether gratis or for a fee, You must give the recipients all the rights and responsibilities that You have. You must ensure that they, too, are told of the terms of this License Agreement, including the freedoms they have, and the kinds of uses and modifications that are forbidden. You must communicate a copy of this License Agreement to them as part of any copy, modification, or re-use of source or object code, so they know their rights and responsibilities.

Thus, the main difference between this License Agreement and the GPL is not the methodology we employ,<sup>[fn15]</sup> but the scope and breadth of the political objectives we seek to promote. Simply put, the political objectives we promote are somewhat broader than the explicit political goals that the Free Software Foundation seeks to promote through the GPL. Our goals include a somewhat broader

range of human rights than the specific copyright-related rights with which the GPL is principally concerned. But, while we are concerned with the entire field of human rights rather than a subset, we want to make it perfectly clear that we also embrace, share, and seek to promote, the goals we share with the Free Software movement.

[fn15] There is a modest difference, but it is not large, and mostly philosophical. Some experts on the GPL draw a distinction between a "contract" and a pure "license," by taking the position that a pure "license" does not impose "contractual" conditions on a Licensee only conditions that would otherwise (but for the license) be subsumed within with exclusive rights that the licensor has under copyright law. Thus, the licensor has the right to exclude anyone else from such activities as making copies, making derivative works, publicly performing a work, and other exclusive rights specified by statute. But, concerning the act of "using" a computer software program, in instances in which a copy is not made (or, in the trivial sense that a copy is made only temporarily from a storage medium to memory, to enable software to be "used"), the Free Software Foundation takes the position that United States law, at least, does not confer an exclusive right on the copyright holder (or, as others would argue, the United States statute qualifies the holder's exclusive right to copy), because the U.S. Copyright Act specifically exempts from the exclusive right to make copies, a copy made from (for example) a computer hard drive to volatile memory, in connection with the process of executing computer software. So far as we can determine, the Free Software Foundation does not argue that it is impossible "contractually" to impose conditions on use, as part of the bargain one strikes, when conditionally allowing Licensees to make copies of a program. Rather, for philosophical reasons, the Free Software Foundation voluntarily chooses not to include what it views as "contractual" conditions in the GPL. In this sense, Hactivismo takes the position that the HESSLA is clearly a "contract" and contains "contractual" terms, such that it should not be considered a "pure license," under the nomenclature employed by the Free Software Foundation. However, in our view, precisely because both the HESSLA and the GPL are clearly conditional grants of permission to do things from which the Licensee would otherwise be excluded (i.e., the Licensee must undertake certain obligations in exchange for permission to copy, modify, or distribute, a work), the key point is that the methodology is quite similar.

Compared with the GPL, aspects of the HESSLA give both end-users and programmers (including, most importantly, governmental end-users and programmers) marginally less leeway to make malicious use of the program, or to insert malicious code into a program, than they would have under a traditional "copyleft" software license. These aspects of the HESSLA (such as the requirement that the program cannot be used to violate human rights, or forbidding the insertion of "spy-ware" or surveillance mechanisms into derivative works) are included because our ultimate objective is to preserve and promote the human rights of end-users, including their privacy and their right of free expression.

In other words, unlike many programmers, we are not just in the business of developing and distributing open-standards technologies. We're also trying to empower end-users (including end-users in totalitarian regimes) with software tools that promote fundamental freedoms while also seeking as best we can to



protect these end-users from being arrested, beaten, or worse. Our objective of promoting end-user freedoms, including the freedoms of people in politically repressive countries, is precisely the factor that has led Hacktivism to develop this License Agreement instead of using another.

The HESSLA Also Includes Features To Enhance Government Accountability: To this end, we have sought and intend to ensure, to the fullest extent that law (including, without limitation, the law of contract and of copyright licensing) enables us to do so,<sup>[fn16]</sup> that no government or other institution may do anything with this computer software or the underlying source code without becoming a Licensee bound by the terms of this License Agreement, subject to the same restrictions on modification and use as anyone else.

[fn16] "Everyone has the right to an effective remedy by the competent national tribunals for acts violating . . . fundamental rights . . ." Article 8, United Nations Declaration of Human Rights.

Accordingly, this License Agreement includes several terms that are aimed explicitly at governmental entities, in order to maximize enforceability against such entities. Respect for the Rule of Law means that no governmental entity is above the law, and that no governmental entity should be permitted to use its status as a mechanism for circumventing the requirements of this License Agreement.

Any use, copying or modification of this software by any governmental official or governmental entity anywhere in the world is a voluntary act, which act the governmental official or entity is free to forego if it does not wish to be bound by this License Agreement. This License Agreement seeks to establish as clearly as possible two important checks on the improper use of government power. First, the voluntary election to use, copy, or modify, this software by any government or governmental official constitutes a waiver of all immunities that might otherwise be asserted, against enforcement of this License Agreement by the Author, or assertion by end-users or others of any human rights laws that may have been violated by a government employing the Software. Second, any such government or governmental official not only subjects itself to enforcement action in its own courts, but also explicitly and voluntarily subjects itself to enforcement action in the courts of other nations that are likely to be more objective, for the purpose of giving effect to the terms of this License Agreement.

Mechanism of Contract Acceptance: This License Agreement treats any use of the software as acceptance of the terms of this License Agreement. To understand the significance of this, it is important to distinguish between the law governing copyright and the law governing offer and acceptance for the purpose of contract formation (which gives the offeror the power to specify the manner of acceptance). The question of whether copyright confers an exclusive right of use on the author of a program is certainly an interesting one. Under United States law, see 17 U.S.C. 117(a)(1), a limited exception to the exclusive right to copy exists if one makes a second copy "created as an essential step in the utilization of the computer program in conjunction with a machine and that it is used in no other manner." This License Agreement presupposes that there is no exclusive right to use in the Copyright Act, just an exclusive right to copy.

However, You may not make a copy for anyone else unless they are subject to the terms of this License Agreement. Nor may You permit anyone to use Your copy or any other copy You have made unless they are subject to the terms of this License Agreement. You may not make a copy for Your own use or the use of anyone else without the Author's leave to make that copy. And any use, modification, copying, or distribution by anyone constitutes acceptance of the License Agreement, for purposes of contract law. In other words, the License Agreement is designed so that there is no loophole permitting anyone to claim the ability to use, copy, distribute, or modify the Program or any Software based on it without subjecting themselves voluntarily to its terms.

On "Shrinkwrap," "Click-Wrap," "Use-Wrap" and "Copy-Wrap" License Agreements: Arguably, some kinds of software license agreements have more in common with legislation than they do with the bargained-for, negotiated agreements that come to mind when most people think of "contracts." Particularly if a software licensor has sufficient market power to be deemed a monopoly, or if certain proposed expansions of the law of software licensing, masquerading as "codifications," are widely adopted, the ability of a private entity to impose legal prohibitions and duties on virtually everyone else as though the licensor has assumed powers that customarily belong to legislative bodies is both breathtaking and deeply troubling. Of course, we are hardly the first to distribute software under a license agreement that imposes conditions on a take-it-or-leave-it basis. This technique is, as everyone knows, extremely common with proprietary software. And some of the conditions unilaterally imposed by proprietary licensors range from the ridiculous to the obscene. But even certain kinds of "free" and "open-source" software licenses, such as the GPL, depend on the continued viability of legal rules that enable at least some reasonable conditions to be imposed by software licensors on a take-it-or-leave-it basis, with essentially automated methods of acceptance. Courts have been divided as to how far these kinds of licensor-driven automated agreements can go. And we cannot say that we will be unhappy if courts or legislatures ultimately reach a consensus that sharply limits what conditions licensors can impose through such mechanisms. However, while the law is still developing, we think nothing could be more appropriate than to enlist the techniques that institutions of power have used to limit freedom and instead to re-purpose the techniques of "copy-wrap" or "use-wrap" licensing by putting them to use for humanitarian purposes and using them to promote the human rights of end-users. To deny us the use of these techniques, courts and other law-making institutions would be required simultaneously to disarm, to the same degree, proprietary software manufacturers that possess vast market power. And, unlike the conditions imposed by many proprietary vendors, the conditions we impose through this License Agreement are hardly onerous for any end-user (unless, of course, the end-user wants to act maliciously or engage in surveillance).

No Warranty: Next, for each author's protection and our own, we want to make certain that everyone understands that there is no warranty for this software. And, 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.

Software Patents: Software patents constantly threaten any project such as this one. We wish to avoid the danger that redistributors of a HESSLA-licensed program

will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have included terms by which any Author must, if it has patented (or licensed a patent covering) any technology embodied in any Program or Software released under this License Agreement, grant all HESSLA Licensees of the Program or Software a royalty-free license of that technology. Any Licensees who release derivative works, as permitted by this License Agreement, are required to grant a royalty-free patent license of any patented technology.

Anyone Can Release Original Software Under The HESSLA: Although this License Agreement is drafted with Hacktivism's objectives in mind, perhaps it will meet other authors' needs as well. If You are considering using this License Agreement for Your own software (meaning the code is not a work based on Hacktivism's program in which case all derivative works must be released under this License Agreement but rather Your code is original software that You have developed yourself) and if You have no special reason to prefer this License Agreement to some license that has a more robust and widely-understood track-record, then in most instances we encourage You to use the GPL (or, even better, release concurrently under both the HESSLA and the GPL), because a considerable body of interpretive literature and community custom has grown up around that License Agreement. The Open Software License, see < <http://www.rosenlaw.com/osl.html> >, is newer and has less of a track record. But You may also want to consider that licensing option (as well as the option of concurrent OSL/HESSLA licensing).

Any author of original software can release that software under this License Agreement, if You choose to do so; not just Hacktivism. Hacktivism is the author and owner of software released by Hacktivism under this License Agreement. But original software released by other Authors would be owned and licensed by them.

Ultimately, we think it is important to emphasize to other Authors that Programs they have written can be released under both the HESSLA and some other license simultaneously (for, example, a program that is presently GPLed by its Author can be released simultaneously under both the GPL and the HESSLA, at the Author's discretion). If You are an Author of original work, You need neither the permission of the Free Software Foundation nor of Hacktivism to elect to release software simultaneously under both licenses. The advantage of such a voluntary double-licensing is that it will enable developers to produce hybrid software packages (combining the functionality available through, say, Hacktivism's Six-Four APIs, with some of the functionality of one or more popular GPL-licensed communications programs) and to release the hybrid packages under the HESSLA, without causing those developers to run afoul of the GPL, the HESSLA or both. Such an arrangement maximizes the potential benefit to both the developer community and to end-users worldwide. Software released under a BSD-style license, as a general matter, can be used to produce a hybrid program, mixing HESSLA-licensed code with code that was previously subject to a BSD license. The HESSLA requires that, in such an instance, the hybrid code must be released under the HESSLA (to avoid weakening the end-user protections and affirmative rights afforded by the HESSLA). Hacktivism is more than happy to consult with any software developer about the license terms that should apply to any Software that is derivative of any Program of which Hacktivism is Author. If another Author has released code under the HESSLA, then that Author has primary decision-making

authority about the manner in which his or her software is licensed, but Hacktivismo is happy to field any questions that may be posed by such an Author or by any developer who is building on another Author's HESSLAed code.

License Revisions: This License Agreement is subject to revision, prior to the release of the Hacktivismo Enhanced-Source Software License Agreement, Version 1.0. We invite interested parties from the international academic and legal communities to offer comments and suggestions on ways to improve this License Agreement, prior to the time that The HESSLA version 1.0 is released.

The terms of the latest and most up-to-date version of this License Agreement, up to and including version 1.0, shall be deemed automatically to supersede the terms of any lower-numbered version of this License Agreement with respect to any Licensee who became a Licensee under the lower-numbered version of the HESSLA.

The terms of the latest and most up-to-date version of this License Agreement will always be published on the Hacktivismo Website, <http://www.hacktivismo.com/>.

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

#### TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION, USE AND/OR MODIFICATION

0. DEFINITIONS. The following are defined terms that, whenever used in this License Agreement, have the following meanings:

0.1 Author: "Author" shall mean the copyright holder of an Original Work (the "Program") released by the Author under this License Agreement.

0.2 Copy: "Copy" shall mean everything and anything that constitutes a copy according to copyright law, without limitation. A "copy" does not become anything other than a "copy" merely because, for example, a governmental or institutional employee duplicates the Program or a part of it for another employee of the same institution or Governmental Entity, or merely because it is copied from one computer to another, or from one medium to another, or multiple copies are made on the same medium, within the same institutional or Governmental Entity.

0.3 Derivative Work: A "Derivative Work" or "work based on the Program" shall mean either the Program itself or any 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."). In the unlikely event that, and to the extent that, this contractual definition of "Derivative Work" is later determined by any tribunal or dispute-resolution body to be different in scope from the meaning of "derivative work" under the copyright law of any country, then the broadest and most encompassing possible definition either the contractual definition of "Derivative Work," or any broader and more encompassing statutory or legal definition, shall control. Acceptance of this contractually-defined scope of the term "Derivative Work" is a mandatory pre-condition for You to receive any of the benefits offered by this License Agreement.

0.3.1 Mere aggregation of another work not based on the Program with the Program (or with a Derivative 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 Agreement.

0.4 License Agreement: When used in this License Agreement, the terms "this License" or "this License Agreement" shall mean The Hactivismo Enhanced-Source Software License Agreement, v. 0.1, or any subsequent version made applicable under the terms of Section 15.

0.5 Licensee: The term "Licensee" shall mean You or any other Licensee, whether or not a Qualified Licensee.

0.6 Original Work: "Original Work" shall mean a Program or other work of authorship, or portion thereof, that is not a Derivative Work.

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0.12 Substandard Key-Selection Technique: The term "Substandard Key-Selection Technique" shall mean a method or technique to cause encryption keys to be more easily guessed or less secure, such as by (i) causing the selection of keys to be less than random, or (ii) employing a selection process that selects among only a subset of possible keys, instead of from among the largest set of possible keys that can securely be used consistent with contemporary knowledge about the cryptographic techniques employed by You. The following illustrations elaborate on the foregoing definition:

0.12.1 If the key-generation or key-selection technique for the encryption algorithm You employ involves the selection of one or more prime numbers, or involves one or more mathematical functions or concatenations performed on one or more prime numbers, then each prime number should be selected from a very large set of candidate prime numbers, but not necessarily from the set of all possible prime numbers (e.g., inclusion of the number 1 in the candidate set, for example, may in some instances reduce rather than enhance security), and absolutely not from any artificially small set of candidate primes that makes the guessing of a key easier than would be the case if a secure key-generation technique were employed. In all instances, the primes should be selected at random from among the candidate set. If there is a customary industry standard for maximizing the security associated with the key-generation or key-selection technique for the cryptosystem You select, then (with attention also to the requirements of Section 0.11), You should employ a key-generation or selection technique no less secure than the customary industry standard for secure use of the cryptosystem.

0.12.2 If the key-generation or key-selection technique for the encryption algorithm You employ involves the selection of a random integer, or the transformation of a random integer through one or more mathematical processes, then the selection of the integer shall be at random from the largest possible set of all possible integers consistent with the secure functioning of the encryption algorithm. It shall not be selected from an artificially small set of integers (e.g., if a 256-bit random integer serves as the key, then You could not set 200 of the 256 bits as "0," and randomly generate only the remaining 56 bits producing effectively a 56-bit keylength instead of using the full 256 bits).

0.12.3 In other words, Your key-generation technique must promote security to the maximum extent permitted by the cryptographic method(s) and keylength You elect to employ, rather than facilitating eavesdropping or surveillance in any way. The example of GSM telephones, in which 16 of 56 bits in each encryption key were set at "0," thereby reducing the security of the system by a factor of 65,536, is particularly salient. Such artificial techniques to reduce the security of a cryptosystem by selecting keys from only a less-secure or suboptimal subset of possible keys, is prohibited and will violate this License Agreement if any such

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(libhyperscan4.2 5.1.0)

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(Ruby 2.5.5)

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\* You must change any addresses in the modified file for the reporting of errors in the file or in The Program generally to ensure that reports for files no longer maintained by the original maintainers will be directed to the maintainers of the modified files.

\* You must distribute the modified file under a license that forbids distribution both of the modified file and of any files derived from the modified file with the filename of the original file.

\* You must do either (A) or (B):

A. distribute a copy of The Program (that is, a complete, unmodified copy of The Program) together with the modified file; if your distribution of the modified file is made by offering access to copy the modified file from a designated place, then offering equivalent access to copy The Program from the same place meets this condition, even though third

parties are not compelled to copy The Program along with the modified file;

B. provide to those who receive the modified file information that is sufficient for them to obtain a copy of The Program; for example, you may provide a Uniform Resource Locator (URL) for a site that you expect will provide them with a copy of The Program free of charge (either the version from which your modification is derived, or perhaps a later version).

Note that in the above, 'distribution' of a file means making the file available to others by any means. This includes, for instance, installing the file on any machine in such a way that the file is accessible by users other than yourself. 'Modification' of a file means any procedure that produces a derivative file under any applicable law -- that is, a file containing the original file or a significant portion of it, either verbatim or with modifications and/or translated into another language.

Changing the name of a file (other than as necessitated by the file conventions of the target file systems) is considered to be a modification of the file.

The distribution conditions in this license do not have to be applied to files that have been modified in accordance with the above conditions. Note, however, that Condition 7. does apply to any such modified file.

The conditions above are not intended to prohibit, and hence do not apply to, the updating, by any method, of a file so that it becomes identical to the latest version of that file of The Program.

#### A Recommendation on Modification Without Distribution

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It is wise never to modify a file of The Program, even for your own personal use, without also meeting the above eight conditions for distributing the modified file. While you might intend that such modified files will never be distributed, often this will happen by accident -- you may forget that you have modified the file; or it may not occur to you when allowing others to access the modified file that you are thus distributing it and violating the conditions of this license. It is usually in your best interest to keep your copy of The Program identical with the public one. Many programs provide ways to control the behavior of that program without altering its licensed files.

#### Additional Conditions on Individual Files of The Program

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An individual file of The Program may bear additional conditions that supplement and/or supersede the conditions in this license if, and only if, such additional conditions exclusively concern modification of the file or distribution of a modified version of the file. The conditions on individual files of The Program therefore may differ only with respect to the kind and extent of modification of those files that is allowed, and with respect to

the distribution of modified versions of those files.

#### Additional Conditions on LaTeX Software Files

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If a file of The Program is intended to be used with LaTeX (that is, if it is a LaTeX software file), then the following additional conditions, which supplement and/or supersede the conditions above, apply to the file according to its filename extension:

- You may not modify any file with filename extension `.ins` since these are installation files containing the legal notices that are placed in the files they generate.

- You may distribute modified versions of files with filename extension `.fd` (LaTeX font definition files) under the standard conditions of the LPPL as described above. You may also distribute such modified LaTeX font definition files with their original names provided that:

1. the only changes to the original files either enable use of available fonts or prevent attempts to access unavailable fonts;
2. you also distribute the original, unmodified files (TeX input paths can be used to control which set of LaTeX font definition files is actually used by TeX).

- You may distribute modified versions of files with filename extension `.cfg` (configuration files) with their original names. The Program may (and usually will) specify the range of commands that are allowed in a particular configuration file.

Because of portability and exchangeability issues in LaTeX software, The LaTeX3 Project deprecates the distribution of modified versions of components of LaTeX or of generally available contributed code for them, but such distribution can meet the conditions of this license.

#### NO WARRANTY

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There is no warranty for The Program. Except when otherwise stated in writing, The Copyright Holder provides 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.

In no event unless agreed to in writing will The Copyright Holder, or any author named in the files of The Program, or any other party who may distribute and/or modify The Program as permitted above, be liable to you for damages, including any general, special, incidental or consequential damages arising out of any use of The Program or out of inability to use The Program (including, but not limited to, loss of data, data being rendered inaccurate,

or losses sustained by anyone as a result of any failure of The Program to operate with any other programs), even if The Copyright Holder or said author or said other party has been advised of the possibility of such damages.

## WHETHER AND HOW TO DISTRIBUTE PROGRAMS UNDER THIS LICENSE

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This section contains important instructions, examples, and recommendations for authors who are considering distributing their programs under this license. These authors are addressed as `you' in this section.

### Choosing This License or Another License

-----

If for any part of your program you want or need to use *\*distribution\** conditions that differ from those in this license, then do not refer to this license anywhere in your program but instead distribute your program under a different license. You may use the text of this license as a model for your own license, but your license should not refer to the LPPL or otherwise give the impression that your program is distributed under the LPPL.

The document `modguide.tex' in the base LaTeX distribution explains the motivation behind the conditions of this license. It explains, for example, why distributing LaTeX under the GNU General Public License (GPL) was considered inappropriate. Even if your program is unrelated to LaTeX, the discussion in `modguide.tex' may still be relevant, and authors intending to distribute their programs under any license are encouraged to read it.

### How to Use This License

-----

To use this license, place in each of the files of your program both an explicit copyright notice including your name and the year and also a statement that the distribution and/or modification of the file is constrained by the conditions in this license.

Here is an example of such a notice and statement:

```
%% pig.dtx
%% Copyright 2001 M. Y. Name
%
% This program may be distributed and/or modified under the
% conditions of the LaTeX Project Public License, either version 1.2
% of this license or (at your option) any later version.
% The latest version of this license is in
% http://www.latex-project.org/lppl.txt
% and version 1.2 or later is part of all distributions of LaTeX
% version 1999/12/01 or later.
%
% This program consists of the files pig.dtx and pig.ins
```

Given such a notice and statement in a file, the conditions given in this license document would apply, with `The Program' referring to the two files `pig.dtx' and `pig.ins', and `The Copyright Holder' referring to the person `M. Y. Name'.

#### Important Recommendations

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#### Defining What Constitutes The Program

The LPPL requires that distributions of The Program contain all the files of The Program. It is therefore important that you provide a way for the licensee to determine which files constitute The Program. This could, for example, be achieved by explicitly listing all the files of The Program near the copyright notice of each file or by using a line like

```
% This program consists of all files listed in manifest.txt.
```

in that place. In the absence of an unequivocal list it might be impossible for the licensee to determine what is considered by you to comprise The Program.

#### Noting Exceptional Files

If The Program contains any files bearing additional conditions on modification, or on distribution of modified versions, of those files (other than those listed in `Additional Conditions on LaTeX Software Files'), then it is recommended that The Program contain a prominent file that defines the exceptional conditions, and either lists the exceptional files or defines one or more categories of exceptional files.

Files containing the text of a license (such as this file) are often examples of files bearing more restrictive conditions on modification. LaTeX configuration files (with filename extension `.cfg') are examples of files bearing less restrictive conditions on the distribution of a modified version of the file. The additional conditions on LaTeX software given above are examples of declaring a category of files bearing exceptional additional conditions.

## ***LaTeX Project Public License v1.3a***

(groff 1.22.4, Ruby 2.5.5)

LPPL Version 1.3 2003-12-01

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## PREAMBLE

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The LaTeX Project Public License (LPPL) is the primary license under which the the LaTeX kernel and the base LaTeX packages are distributed.

You may use this license for any work of which you hold the copyright and which you wish to distribute. This license may be particularly suitable if your work is TeX-related (such as a LaTeX package), but you may use it with small modifications even if your work is unrelated to TeX.

The section 'WHETHER AND HOW TO DISTRIBUTE WORKS UNDER THIS LICENSE', below, gives instructions, examples, and recommendations for authors who are considering distributing their works under this license.

This license gives conditions under which a work may be distributed and modified, as well as conditions under which modified versions of that work may be distributed.

We, the LaTeX3 Project, believe that the conditions below give you the freedom to make and distribute modified versions of your work that conform with whatever technical specifications you wish while maintaining the availability, integrity, and reliability of that work. If you do not see how to achieve your goal while meeting these conditions, then read the document 'cgguide.tex' and 'modguide.tex' in the base LaTeX distribution for suggestions.

## DEFINITIONS

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In this license document the following terms are used:

'Work'

Any work being distributed under this License.

'Derived Work'

Any work that under any applicable law is derived from the Work.

'Modification'

Any procedure that produces a Derived Work under any applicable law -- for example, the production of a file containing an original file associated with the Work or a significant portion of such a file, either verbatim or with modifications and/or translated into another language.

'Modify'

To apply any procedure that produces a Derived Work under any applicable law.

'Distribution'

Making copies of the Work available from one person to another, in whole or in part. Distribution includes (but is not limited to) making any electronic components of the Work accessible by file transfer protocols such as FTP or HTTP or by shared file systems such as Sun's Network File System (NFS).

'Compiled Work'

A version of the Work that has been processed into a form where it is directly usable on a computer system. This processing may include using

installation facilities provided by the Work, transformations of the Work, copying of components of the Work, or other activities. Note that modification of any installation facilities provided by the Work constitutes modification of the Work.

**'Current Maintainer'**

A person or persons nominated as such within the Work. If there is no such explicit nomination then it is the 'Copyright Holder' under any applicable law.

**'Base Interpreter'**

A program or process that is normally needed for running or interpreting a part or the whole of the Work. A Base Interpreter may depend on external components but these are not considered part of the Base Interpreter provided that each external component clearly identifies itself whenever it is used interactively. Unless explicitly specified when applying the license to the Work, the only applicable Base Interpreter is a "LaTeX-Format".

**CONDITIONS ON DISTRIBUTION AND MODIFICATION**

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1. Activities other than distribution and/or modification of the Work are not covered by this license; they are outside its scope. In particular, the act of running the Work is not restricted and no requirements are made concerning any offers of support for the Work.
2. You may distribute a complete, unmodified copy of the Work as you received it. Distribution of only part of the Work is considered modification of the Work, and no right to distribute such a Derived Work may be assumed under the terms of this clause.
3. You may distribute a Compiled Work that has been generated from a complete, unmodified copy of the Work as distributed under Clause 2 above, as long as that Compiled Work is distributed in such a way that the recipients may install the Compiled Work on their system exactly as it would have been installed if they generated a Compiled Work directly from the Work.
4. If you are the Current Maintainer of the Work, you may, without restriction, modify the Work, thus creating a Derived Work. You may also distribute the Derived Work without restriction, including Compiled Works generated from the Derived Work. Derived Works distributed in this manner by the Current Maintainer are considered to be updated versions of the Work.
5. If you are not the Current Maintainer of the Work, you may modify your copy of the Work, thus creating a Derived Work based on the Work, and compile this Derived Work, thus creating a Compiled Work based on the Derived Work.
6. If you are not the Current Maintainer of the Work, you may distribute a Derived Work provided the following conditions are met for every component of the Work unless that component clearly states in the copyright notice that it is exempt from that condition. Only the Current Maintainer is allowed to add such

statements of exemption to a component of the Work.

a. If a component of this Derived Work can be a direct replacement for a component of the Work when that component is used with the Base Interpreter, then, wherever this component of the Work identifies itself to the user when used interactively with that Base Interpreter, the replacement component of this Derived Work clearly and unambiguously identifies itself as a modified version of this component to the user when used interactively with that Base Interpreter.

b. Every component of the Derived Work contains prominent notices detailing the nature of the changes to that component, or a prominent reference to another file that is distributed as part of the Derived Work and that contains a complete and accurate log of the changes.

c. No information in the Derived Work implies that any persons, including (but not limited to) the authors of the original version of the Work, provide any support, including (but not limited to) the reporting and handling of errors, to recipients of the Derived Work unless those persons have stated explicitly that they do provide such support for the Derived Work.

d. You distribute at least one of the following with the Derived Work:

1. A complete, unmodified copy of the Work; if your distribution of a modified component is made by offering access to copy the modified component from a designated place, then offering equivalent access to copy the Work from the same or some similar place meets this condition, even though third parties are not compelled to copy the Work along with the modified component;

2. Information that is sufficient to obtain a complete, unmodified copy of the Work.

7. If you are not the Current Maintainer of the Work, you may distribute a Compiled Work generated from a Derived Work, as long as the Derived Work is distributed to all recipients of the Compiled Work, and as long as the conditions of Clause 6, above, are met with regard to the Derived Work.

8. The conditions above are not intended to prohibit, and hence do not apply to, the modification, by any method, of any component so that it becomes identical to an updated version of that component of the Work as it is distributed by the Current Maintainer under Clause 4, above.

9. Distribution of the Work or any Derived Work in an alternative format, where the Work or that Derived Work (in whole or in part) is then produced by applying some process to that format, does not relax or nullify any sections of this license as they pertain to the results of applying that process.

10.

a. A Derived Work may be distributed under a different license provided that license itself honors the conditions listed in Clause 6 above, in regard to



the Work, though it does not have to honor the rest of the conditions in this license.

b. If a Derived Work is distributed under this license, that Derived Work must provide sufficient documentation as part of itself to allow each recipient of that Derived Work to honor the restrictions in Clause 6 above, concerning changes from the Work.

11. This license places no restrictions on works that are unrelated to the Work, nor does this license place any restrictions on aggregating such works with the Work by any means.

12. Nothing in this license is intended to, or may be used to, prevent complete compliance by all parties with all applicable laws.

#### NO WARRANTY

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There is no warranty for the Work. Except when otherwise stated in writing, the Copyright Holder provides the Work `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 Work is with you. Should the Work prove defective, you assume the cost of all necessary servicing, repair, or correction.

In no event unless agreed to in writing will the Copyright Holder, or any author named in the components of the Work, or any other party who may distribute and/or modify the Work as permitted above, be liable to you for damages, including any general, special, incidental or consequential damages arising out of any use of the Work or out of inability to use the Work (including, but not limited to, loss of data, data being rendered inaccurate, or losses sustained by anyone as a result of any failure of the Work to operate with any other programs), even if the Copyright Holder or said author or said other party has been advised of the possibility of such damages.

#### MAINTENANCE OF THE WORK

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The Work has the status `author-maintained' if the Copyright Holder explicitly and prominently states near the primary copyright notice in the Work that the Work can only be maintained by the Copyright Holder or simply that is `author-maintained'.

The Work has the status `maintained' if there is a Current Maintainer who has indicated in the Work that they are willing to receive error reports for the Work (for example, by supplying a valid e-mail address). It is not required for the Current Maintainer to acknowledge or act upon these error reports.

The Work changes from status `maintained' to `unmaintained' if there is no Current Maintainer, or the person stated to be Current Maintainer of the work cannot be reached through the indicated means of communication for a period of six months, and there are no other significant signs of active maintenance.

You can become the Current Maintainer of the Work by agreement with any existing Current Maintainer to take over this role.

If the Work is unmaintained, you can become the Current Maintainer of the Work through the following steps:

1. Make a reasonable attempt to trace the Current Maintainer (and the Copyright Holder, if the two differ) through the means of an Internet or similar search.
2. If this search is successful, then enquire whether the Work is still maintained.
  - a. If it is being maintained, then ask the Current Maintainer to update their communication data within one month.
  - b. If the search is unsuccessful or no action to resume active maintenance is taken by the Current Maintainer, then announce within the pertinent community your intention to take over maintenance. (If the Work is a LaTeX work, this could be done, for example, by posting to comp.text.tex.)

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- a. If the Current Maintainer is reachable and agrees to pass maintenance of the Work to you, then this takes effect immediately upon announcement.
  - b. If the Current Maintainer is not reachable and the Copyright Holder agrees that maintenance of the Work be passed to you, then this takes effect immediately upon announcement.
4. If you make an 'intention announcement' as described in 2b. above and after three months your intention is challenged neither by the Current Maintainer nor by the Copyright Holder nor by other people, then you may arrange for the Work to be changed so as to name you as the (new) Current Maintainer.
  5. If the previously unreachable Current Maintainer becomes reachable once more within three months of a change completed under the terms of 3b) or 4), then that Current Maintainer must become or remain the Current Maintainer upon request provided they then update their communication data within one month.

A change in the Current Maintainer does not, of itself, alter the fact that the Work is distributed under the LPPL license.

If you become the Current Maintainer of the Work, you should immediately provide, within the Work, a prominent and unambiguous statement of your status as Current Maintainer. You should also announce your new status to the same pertinent community as in 2b) above.

WHETHER AND HOW TO DISTRIBUTE WORKS UNDER THIS LICENSE

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#### Choosing This License or Another License

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If for any part of your work you want or need to use \*distribution\* conditions that differ significantly from those in this license, then do not refer to this license anywhere in your work but, instead, distribute your work under a different license. You may use the text of this license as a model for your own license, but your license should not refer to the LPPL or otherwise give the impression that your work is distributed under the LPPL.

The document 'modguide.tex' in the base LaTeX distribution explains the motivation behind the conditions of this license. It explains, for example, why distributing LaTeX under the GNU General Public License (GPL) was considered inappropriate. Even if your work is unrelated to LaTeX, the discussion in 'modguide.tex' may still be relevant, and authors intending to distribute their works under any license are encouraged to read it.

#### A Recommendation on Modification Without Distribution

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It is wise never to modify a component of the Work, even for your own personal use, without also meeting the above conditions for distributing the modified component. While you might intend that such modifications will never be distributed, often this will happen by accident -- you may forget that you have modified that component; or it may not occur to you when allowing others to access the modified version that you are thus distributing it and violating the conditions of this license in ways that could have legal implications and, worse, cause problems for the community. It is therefore usually in your best interest to keep your copy of the Work identical with the public one. Many works provide ways to control the behavior of that work without altering any of its licensed components.

#### How to Use This License

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To use this license, place in each of the components of your work both an explicit copyright notice including your name and the year the work was authored and/or last substantially modified. Include also a statement that the distribution and/or modification of that component is constrained by the conditions in this license.

Here is an example of such a notice and statement:

```
%% pig.dtx
%% Copyright 2003 M. Y. Name
%
% This work may be distributed and/or modified under the
% conditions of the LaTeX Project Public License, either version 1.3
% of this license or (at your option) any later version.
```

```

% The latest version of this license is in
% http://www.latex-project.org/lppl.txt
% and version 1.3 or later is part of all distributions of LaTeX
% version 2003/12/01 or later.
%
% This work has the LPPL maintenance status "maintained".
%
% This Current Maintainer of this work is M. Y. Name.
%
% This work consists of the files pig.dtx and pig.ins
% and the derived file pig.sty.

```

Given such a notice and statement in a file, the conditions given in this license document would apply, with the `Work' referring to the three files `pig.dtx', `pig.ins', and `pig.sty' (the last being generated from `pig.dtx' using `pig.ins'), the `Base Interpreter' referring to any "LaTeX-Format", and both `Copyright Holder' and `Current Maintainer' referring to the person `M. Y. Name'. To prevent the Maintenance section of LPPL from allowing someone else to become the Current Maintainer without your agreement, you could change "maintained" above into "author-maintained".

#### Important Recommendations

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#### Defining What Constitutes the Work

The LPPL requires that distributions of the Work contain all the files of the Work. It is therefore important that you provide a way for the licensee to determine which files constitute the Work. This could, for example, be achieved by explicitly listing all the files of the Work near the copyright notice of each file or by using a line such as:

```
% This work consists of all files listed in manifest.txt.
```

in that place. In the absence of an unequivocal list it might be impossible for the licensee to determine what is considered by you to comprise the Work and, in such a case, the licensee would be entitled to make reasonable conjectures as to which files comprise the Work.

## **LaTeX Project Public License v1.3c**

(Ruby 2.5.5)

The LaTeX Project Public License

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LPPL Version 1.3c 2006-05-20

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You may use this license for any work of which you hold the copyright and which you wish to distribute. This license may be particularly suitable if your work is TeX-related (such as a LaTeX package), but it is written in such a way that you can use it even if your work is unrelated to TeX.

The section 'WHETHER AND HOW TO DISTRIBUTE WORKS UNDER THIS LICENSE', below, gives instructions, examples, and recommendations for authors who are considering distributing their works under this license.

This license gives conditions under which a work may be distributed and modified, as well as conditions under which modified versions of that work may be distributed.

We, the LaTeX3 Project, believe that the conditions below give you the freedom to make and distribute modified versions of your work that conform with whatever technical specifications you wish while maintaining the availability, integrity, and reliability of that work. If you do not see how to achieve your goal while meeting these conditions, then read the document 'cfigguide.tex' and 'modguide.tex' in the base LaTeX distribution for suggestions.

## DEFINITIONS

In this license document the following terms are used:

'Work'

Any work being distributed under this License.

'Derived Work'

Any work that under any applicable law is derived from the Work.

'Modification'

Any procedure that produces a Derived Work under any applicable law ? for example, the production of a file containing an original file associated with the Work or a significant portion of such a file, either verbatim or with modifications and/or translated into another language.

'Modify'

To apply any procedure that produces a Derived Work under any applicable law.

'Distribution'

Making copies of the Work available from one person to another, in whole or in part. Distribution includes (but is not limited to) making any electronic components of the Work accessible by file transfer protocols such as FTP or HTTP or by shared file systems such as Sun's Network File System (NFS).

'Compiled Work'

A version of the Work that has been processed into a form where it is directly usable on a computer system. This processing may include using

installation facilities provided by the Work, transformations of the Work, copying of components of the Work, or other activities. Note that modification of any installation facilities provided by the Work constitutes modification of the Work.

**'Current Maintainer'**

A person or persons nominated as such within the Work. If there is no such explicit nomination then it is the 'Copyright Holder' under any applicable law.

**'Base Interpreter'**

A program or process that is normally needed for running or interpreting a part or the whole of the Work.

A Base Interpreter may depend on external components but these are not considered part of the Base Interpreter provided that each external component clearly identifies itself whenever it is used interactively. Unless explicitly specified when applying the license to the Work, the only applicable Base Interpreter is a 'LaTeX-Format' or in the case of files belonging to the 'LaTeX-format' a program implementing the 'TeX language'.

**CONDITIONS ON DISTRIBUTION AND MODIFICATION**

1. Activities other than distribution and/or modification of the Work are not covered by this license; they are outside its scope. In particular, the act of running the Work is not restricted and no requirements are made concerning any offers of support for the Work.
2. You may distribute a complete, unmodified copy of the Work as you received it. Distribution of only part of the Work is considered modification of the Work, and no right to distribute such a Derived Work may be assumed under the terms of this clause.
3. You may distribute a Compiled Work that has been generated from a complete, unmodified copy of the Work as distributed under Clause 2 above, as long as that Compiled Work is distributed in such a way that the recipients may install the Compiled Work on their system exactly as it would have been installed if they generated a Compiled Work directly from the Work.
4. If you are the Current Maintainer of the Work, you may, without restriction, modify the Work, thus creating a Derived Work. You may also distribute the Derived Work without restriction, including Compiled Works generated from the Derived Work. Derived Works distributed in this manner by the Current Maintainer are considered to be updated versions of the Work.
5. If you are not the Current Maintainer of the Work, you may modify your copy of the Work, thus creating a Derived Work based on the Work, and compile this Derived Work, thus creating a Compiled Work based on the Derived Work.
6. If you are not the Current Maintainer of the Work, you may distribute a Derived Work provided the following conditions are met for every component of the Work unless that component clearly states in the copyright notice that it

is exempt from that condition. Only the Current Maintainer is allowed to add such statements of exemption to a component of the Work.

a. If a component of this Derived Work can be a direct replacement for a component of the Work when that component is used with the Base Interpreter, then, wherever this component of the Work identifies itself to the user when used interactively with that Base Interpreter, the replacement component of this Derived Work clearly and unambiguously identifies itself as a modified version of this component to the user when used interactively with that Base Interpreter.

b. Every component of the Derived Work contains prominent notices detailing the nature of the changes to that component, or a prominent reference to another file that is distributed as part of the Derived Work and that contains a complete and accurate log of the changes.

c. No information in the Derived Work implies that any persons, including (but not limited to) the authors of the original version of the Work, provide any support, including (but not limited to) the reporting and handling of errors, to recipients of the Derived Work unless those persons have stated explicitly that they do provide such support for the Derived Work.

d. You distribute at least one of the following with the Derived Work:

1. A complete, unmodified copy of the Work; if your distribution of a modified component is made by offering access to copy the modified component from a designated place, then offering equivalent access to copy the Work from the same or some similar place meets this condition, even though third parties are not compelled to copy the Work along with the modified component;

2. Information that is sufficient to obtain a complete, unmodified copy of the Work.

7. If you are not the Current Maintainer of the Work, you may distribute a Compiled Work generated from a Derived Work, as long as the Derived Work is distributed to all recipients of the Compiled Work, and as long as the conditions of Clause 6, above, are met with regard to the Derived Work.

8. The conditions above are not intended to prohibit, and hence do not apply to, the modification, by any method, of any component so that it becomes identical to an updated version of that component of the Work as it is distributed by the Current Maintainer under Clause 4, above.

9. Distribution of the Work or any Derived Work in an alternative format, where the Work or that Derived Work (in whole or in part) is then produced by applying some process to that format, does not relax or nullify any sections of this license as they pertain to the results of applying that process.

10.

a. A Derived Work may be distributed under a different license provided that license itself honors the conditions listed in Clause 6 above, in regard to the Work, though it does not have to honor the rest of the conditions in this license.

b. If a Derived Work is distributed under a different license, that Derived Work must provide sufficient documentation as part of itself to allow each recipient of that Derived Work to honor the restrictions in Clause 6 above, concerning changes from the Work.

11. This license places no restrictions on works that are unrelated to the Work, nor does this license place any restrictions on aggregating such works with the Work by any means.

12. Nothing in this license is intended to, or may be used to, prevent complete compliance by all parties with all applicable laws.

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(libss 1.44.5)

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(DropzoneJS 5.7.0)

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(minitest 5.11.3)

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(x11-common 7.7+19)

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(argparse4j argparse4j-0.8.0)

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(jasmine/jasmine 3.6.0)

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(dumb-init 1.2.2)

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(jQuery UI 1.12.1, Lodash 4.17.15)

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(antlr 4.7.2)

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(nghttp2 v1.36.0)

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(liblua5.1-0 5.1.5, lua 5.1.5)

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(jnr-x86asm 1.0.2)

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(whitequark/ipaddr.js 1.9.0)

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(beorn7-perks v1.0.1)

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(libpsl 0.20.2)

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(pypi/setuputils 40.8.0)

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(Babeltrace 1.5.6)

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(XMLStarlet command line XML toolkit 1.6.1)

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(ruby-builder 3.2.3)

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(active\_model 5.2.2.1, ActiveRecord- Object-relation mapping put on rails 5.2.2.1)

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(libtinfo-ruby 1.2.5, TZInfo 1.2.5)

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(dm-validations 1.2.0)

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(libdrm2 2.4.97)

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(ruby-i18n 1.5.3)

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(rack-test 0.7.0)

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(stringex 1.5.1)

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(jbeder/yaml-cpp 0.6.2)

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(pip 9.0.3)

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(technoweenie's faraday 0.13.1)

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(jansson 2.12)

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(Pyinotify 0.9.6)

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(Network Time Protocol project (NTP) 4.2.8p12)

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(multi\_xml 0.6.0)

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(multi\_json 1.12.1)

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(ruby-saml 1.12.2)

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(Python six 1.12.0)

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(DataMapper 1.2.1, dm-do-adapter 1.2.0, dm-mysql-adapter 1.2.0)



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(lostisland/faraday\_middleware 0.12.2)

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(dm-timestamps 1.2.0)

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(dm-serializer 1.2.2)

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(dm-migrations 1.2.0)

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(dm-types 1.2.2)

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(mini\_portile2 2.5.3)

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(@interactjs/types 1.10.11, interact.js 1.10.11)

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(parse5 5.1.1)

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(angular-ladda 0.4.3)

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(jstree 3.3.10)

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(libfastjson 0.99.8)

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(PyTZ - Python Time Zone Library 2019.3)

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(asn1crypto 0.24.0)

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(cespare/xxhash v2.1.1)

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(docker-org 0.6.1)

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(uber-go/atomic 1.7.0)

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(go-zap v1.16.0)

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(PyYAML 3.13)

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(@ngx-translate/http-loader v6.0.0, ngx-translate/core v13.0.0)

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(moment/moment 2.27.0, moment/moment 2.29.1)

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(concurrent-ruby 1.0.5)

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(rake 12.3.1)

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(mattn-go-isatty 20200517-snapshot)

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(psych 3.1.0)

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(blankslate 3.1.3)

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(krb5/krb5 1.17)

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(Go programming language 20181002-snapshot)

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(urllib3 1.24.1)



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(psych 3.0.3~pre1)

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(angularjs 1.8.0)

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(Ruby on Rails 5.2.2.1)

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(mustermann-contrib 1.0.0)

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(jQuery 3.5.1)

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(libuv 1.24.1)

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(moreutils 0.62)

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(json-c 0.12.1)

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(RequireJS 2.3.6)

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(greenlet 0.4.15)

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(go-delve/delve 1.7.3)

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(liblujit-5.1-2 2.1.0~beta3)

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(Azure/azure-pipeline-go v0.2.3)

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(golang-github-mattn-ieproxy 0.0.1)

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(JSON for Modern C++ v3.7.3)

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(libffi 3.2.1)

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(jq 1.5)

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Files: \*

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(RapidXml 1.13)

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(UUIDTools 2.1.5)

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Files: \*

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(libxml-ruby 3.1.0)

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(liblcms2-utils 2.9)

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Files: \*

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(dbus-python 1.2.8)

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(mysql2 0.5.2)

Source: <https://github.com/brianmario/mysql2>

Files: \*

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(ruby-bcrypt 3.1.12)

Source: <https://github.com/codahale/bcrypt-ruby>

Files: \*

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(faraday\_middleware-multi\_json 0.0.6)

Source: [https://github.com/denro/faraday\\_middleware-multi\\_json](https://github.com/denro/faraday_middleware-multi_json)

Files: \*

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Files: debian/\*

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(jQuery 3.3.1)

Source: <https://github.com/jquery/jquery>

Files: \*

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(krallin/tini 0.18.0)

Source: <https://github.com/krallin/tini>

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Files: debian/\*

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(backports 3.11.1)

Source: <https://github.com/marcandre/backports>

Files: \*

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(uuid 2.3.9)

Source: <https://rubygems.org/gems/uuid>

Files: \*

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Comment: Clarification <https://github.com/assaf/uuid/issues/44>

Files: debian/\*

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(rapidjson 1.0.2)

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(Angular UI Bootstrap 2.5.0)

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(python cffi 1.12.2)

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(Vim 8.1.0875)

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(Zone.js 0.11.4)

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(ui-sortable v0.19.0)

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(restangular 1.6.1)

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(@angular/flex-layout 12.0.0-beta.34)

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(@angular/cdk 12.1.4, Material Design for Angular 12.1.4)

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(go-toml v1.9.0)

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(ng-csv 0.3.3)

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(mapstructure v1.4.1)

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(derekparker/trie 20211223-snapshot)

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(github.com/spf13/jwalterweatherman v1.1.0, spf13-cast v1.3.1)

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(Chart.js 3.5.0)

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(hailocab-go-hostpool 0.0~git20160125.0.e80d13c)

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(@ng-bootstrap/ng-bootstrap 11.0.0-beta.2)

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(idtoken-verifier 20180706-snapshot-96d17d3d)

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(mattn-go-runewidth 20190618-snapshot)

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(joshbuddy's jsonpath 1.1.0)

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(cosiner/argv 20210128-snapshot)

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(moment-timezone 0.5.31, moment-timezone 0.5.33)

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(xml-formatter 2.4.0)

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(xml-parser-xo 3.1.1)

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(angular-nvd3 1.0.9)

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(LibYAML 0.2.1)

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Source: <https://github.com/yaml/libyaml>

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(prometheus-cpp v0.9.0)

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(codahale's bcrypt-ruby 3.1.12, codahale's bcrypt-ruby 3.1.5)

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(rapidjson 1.0.2, rapidjson 1.1.0, Telegram Bots 4.3.1)

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(geoip-bin 1.6.12)

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(Linux Kernel v4.19.208)

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(CPAN::Meta 2.150010, ExtUtils::MakeMaker 7.34, Perl 5.28.1)

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(PCRE 8.39)



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

Written by: Philip Hazel

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(ldb-tools 1.5.1+really1.4.6, libevent0 0.9.37)

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(xml\_marshall 1.0.1)

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release

Derived from

Year

Owner

GPL-compatible? (1)

0.9.0 thru 1.2

1991-1995

CWI

yes

1.3 thru 1.5.2

1.2

1995-1999



CNRI

yes

1.6

1.5.2

2000

CNRI

no

2.0

1.6

2000

BeOpen.com

no

1.6.1

1.6

2001

CNRI

yes (2)

2.1

2.0+1.6.1

2001

PSF

no

2.0.1

2.0+1.6.1

2001

PSF

yes

2.1.1

2.1+2.0.1

2001

PSF

yes

2.2

2.1.1

2001

PSF

yes

2.1.2

2.1.1

2002

PSF

yes

2.1.3

2.1.2

2002

PSF

yes

2.2.1

2.2

2002

PSF

yes

2.2.2

2.2.1

2002

PSF

yes

2.2.3

2.2.2

2003

PSF

yes

2.3

2.2.2

2002-2003

PSF

yes

2.3.1

2.3

2002-2003

PSF

yes

2.3.2

2.3.1

2002-2003

PSF

yes

2.3.3

2.3.2

2002-2003

PSF

yes

2.3.4

2.3.3

2004

PSF

yes

2.3.5

2.3.4

2005

PSF

yes

2.4

2.3

2004

PSF

yes

2.4.1

2.4

2005

PSF

yes

2.4.2

2.4.1

2005

PSF

yes

2.4.3

2.4.2

2006

PSF

yes

2.4.4

2.4.3

2006

PSF

yes

2.5

2.4

2006

PSF

yes

2.5.1

2.5

2007

PSF

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3.0

2.6

2007

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Footnotes:

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(greenlet 0.4.15, idna 2.6, lxml 4.3.2, Python programming language 2.7.16, python-backports.ssl-match-hostname 3.5.0.1, python-ipaddress 1.0.17, Python-Roman 2.0.0, python2.1-xmlbase 2.1.3, test-unit 3.2.8, vncpasswd.py v1.2.1)

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Version 1.1 - 26 February 2007

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(debianutils 4.8.6.1)

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(gcc-8-base 8.3.0, Go programming language 0.0~git20191118.07fc4c7+ds)

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(Ruby 2.5.5)

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(pypi/setuptools 40.8.0, Python-Roman 2.0.0, PyTZ - Python Time Zone Library 2018.3, PyTZ - Python Time Zone Library 2019.3, Ruby 2.5.5)

Zope Public License (ZPL) Version 2.1

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(Apache Xalan (Java) 2.7.3, libx11-data 1.6.7, libxrender1 0.9.10, OpenJDK 8u312-b07)

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**curl License**

(curl 7.64.0)

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Glenn Randers-Pehrson  
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April 15, 2002

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(libTIFF 4.1.0+git191117)

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