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#### A. HISTORY OF THE SOFTWARE

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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
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

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## 1.11 fluent-logger-golang

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### 9

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# 1.16 gcc 4.8.5 :4.e17

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\* m4/ax\_func\_which\_gethostbyname\_r.m4

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

## HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the

generic code are due to Walter Underwood.  
Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.  
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Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and  
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.  
Thomas Funke (thf@zelator.in-berlin.de(?)) and  
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.  
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.  
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.  
Alistair G. Crooks(agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.  
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.  
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk).  
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task).  
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.  
David Chase, then at Olivetti Research, suggested several improvements.  
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC.  
Jesse Hull and John Ellis supplied the C++ interface code.  
Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)

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Version 2.1, February 1999

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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.

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6b.

@item

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Version 3.1, 31 March 2009

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

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

format that is used as a compiler intermediate representation, or used for producing a compiler intermediate representation.

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

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

#### 1. Grant of Additional Permission.

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

#### 2. No Weakening of GCC Copyleft.

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

@node Library Copying

@appendixsec GNU LESSER GENERAL PUBLIC LICENSE

@cindex LGPL, Lesser General Public License

@center Version 2.1, February 1999

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@appendixsubsec Preamble

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

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To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of

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

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

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

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

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

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@appendixsubsec How to Apply These Terms to Your New Libraries

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@smallexample

@var{one line to give the library's name and an idea of what it does.}

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

@smallexample

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`Frob' (a library for tweaking knobs) written by James Random Hacker.

@var{signature of Ty Coon}, 1 April 1990

Ty Coon, President of Vice

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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.

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

In addition, mere aggregation of another work not based on the Library

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

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

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

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

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

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

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

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

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not.

Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

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

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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.

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## 1.17 glibc 2.17 :106.el7\_2.8

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

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

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

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

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- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

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

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

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

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

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

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

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to

distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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

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

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

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

6. As an exception to the Sections above, you may also 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.

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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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a) Accompany the combined library with a copy of the same work

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#### Appendix: How to Apply These Terms to Your New Libraries

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```
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```
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```
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## 1.19 glibc-devel 2.17 :106.el7\_2.8

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```
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```

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```
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```

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

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

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

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

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

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

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

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

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

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

6. As an exception to the Sections above, you may also 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.

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.

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## Appendix: How to Apply These Terms to Your New Libraries

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<one line to give the library's name and a brief idea of what it does.>

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

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

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@subheading Preamble

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When a program is linked with a library, whether statically or using

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

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

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

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

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

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a ``work based on the library" and a ``work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

@subheading TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

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Lesser General Public License (also called ``this License"). Each licensee is addressed as ``you".

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

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

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

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

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

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The modified work must itself be a software library.

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You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

@item

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

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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.)

@end enumerate

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

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

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

the scope of this License.

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

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

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

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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.

@item

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.

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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:

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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.)

@item

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.

@item

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.

@item

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.

@item

Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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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.

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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.

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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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## 1.25 goftp

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## 1.26 golang 1.6.2

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#
# An entry with multiple email addresses specifies that the
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# that the other addresses should be recognized as the
# same person when interacting with Gerrit.

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08b5f424b9271eedf6f9f0ce86cb9396ed337a42

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## 1.28 golang-github-gorilla-handlers

3a5767ca75ece5f7f1440b1d16975247f8d8b221

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## 1.29 golang-github-gorilla-mux

# 757bef944d0f21880861c2dd9c871ca543023cb

## a

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**cac998c4f0959c19c638c523e374fa8e4e0bcfe3**

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## 1.31 golang.org/x/net

60c41d1de8da134c05b7b40154a9a82bf5b7ed  
b9

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152b1a2c8f5d0340f658bb656032a39b94e5295  
8

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## 1.34 haproxy 1.7.2

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Historically, haproxy has been covered by GPL version 2. However, an issue appeared in GPL which will prevent external non-GPL code from being built using the headers provided with haproxy. My long-term goal is to build a core system able to load external modules to support specific application protocols.

Since some protocols are found in rare environments (finance, industry, ...),

some of them might be accessible only after signing an NDA. Enforcing GPL on such modules would only prevent them from ever being implemented, while not providing anything useful to ordinary users.

For this reason, I *\*want\** to be able to support binary only external modules when needed, with a GPL core and GPL modules for standard protocols, so that people fixing bugs don't keep them secretly to try to stay over competition.

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Ty Coon, President of Vice
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## 1.38 iniparse 0.4

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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 from	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

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## 1.39 jquery-multiselect 2.3.1

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## 1.40 jwt-go

**a2c85815a77d0f951e33ba4db5ae93629a1530a**  
**f**

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(in case you are wondering where CyberLogin is, EON changed its login procedure and CyberLogin is no longer used.)

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for merging the nxt2002 and nxt2004 modules into a  
single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop a  
line to the DVB mailing list)

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/\* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)

\* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)

\*

\* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.

\* <http://www.hypermall.com/>

\* 10/1/97 - commented out CFG\_PHYIE bit - we don't care when the PHY

\* interrupts us (except possibly for removal/insertion of the cable?)

\* 10/4/97 - began heavy inline documentation of the code. Corrected typos

\* and spelling mistakes.

\* 10/5/97 - added code to handle PHY interrupts, disable PHY on

\* loss of link, and correctly re-enable PHY when link is

\* re-established. (put back CFG\_PHYIE)

\*

\* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

\*

\* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

\*

\* Linux driver for the IDT77201 NICStAR PCI ATM controller.

\* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;

\* see init\_nicstar() for PHY initialization to change this. This driver

\* expects the Linux ATM stack to support scatter-gather lists

\* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.

\*

\* Implementing minimal-copy of received data:

\* IDT always receives data into a small buffer, then large buffers

\* as needed. This means that data must always be copied to create

\* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)

\* Fix is simple: make large buffers large enough to hold entire

\* SDU, and leave <small\_buffer\_data> bytes empty at the start. Then

\* copy small buffer contents to head of large buffer.

\* Trick is to avoid fragmenting Linux, due to need for a lot of large

\* buffers. This is done by 2 things:

\* 1) skb->destructor / skb->atm.recycle\_buffer

\* combined, allow nicstar\_free\_rx\_skb to be called to

\* recycle large data buffers

\* 2) skb\_clone of received buffers

\* See nicstar\_free\_rx\_skb and linearize\_buffer for implementation

\* details.

\*

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 \* M. Welsh, 6 July 1996  
 \*  
 \*  
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/\*\*\*\*\*

\* privcmd.h

\*

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\*

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\* audio.h

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## 1.43 libgomp 4.8.5 :4.e17

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

## HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for

the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser.

The Encore Multimax modifications were supplied by

Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.

Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.

Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk)

subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.

Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and

Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.

Thomas Funke (thf@zelator.in-berlin.de(?)) and

Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.

Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.

Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader

specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and

Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and

Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.

Alistair G. Crooks(agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.

Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.

Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to

a Motorola 88K processor running CX/UX (Harris NightHawk).

Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to

nonIBM development environments (a nontrivial task).

Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.

David Chase, then at Olivetti Research, suggested several improvements.

Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the

code to save and print call stacks for leak detection on a SPARC.

Jesse Hull and John Ellis supplied the C++ interface code.

Zhong Shao performed much of the experimentation that led to the

current typed allocation facility. (His dynamic type inference code hasn't

made it into the released version of the collector, yet.)

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Version 2.1, February 1999

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

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

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

```
This library is free software; you can redistribute it and/or  
modify it under the terms of the GNU Lesser General Public  
License as published by the Free Software Foundation; either  
version 2.1 of the License, or (at your option) any later version.
```

```
This library is distributed in the hope that it will be useful,  
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MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
```

Lesser General Public License for more details.

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

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

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

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

<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice

That's all there is to it!

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Version 2.1, February 1999

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

Preamble

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

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

When we speak of free software, we are referring to freedom of use,

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

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

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

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

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

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

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

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary

General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

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

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

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

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

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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

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

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these

materials or that you have already sent this user a copy.

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

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

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

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

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

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

```
This library is free software; you can redistribute it and/or  
modify it under the terms of the GNU Lesser General Public  
License as published by the Free Software Foundation; either  
version 2.1 of the License, or (at your option) any later version.
```

```
This library is distributed in the hope that it will be useful,  
but WITHOUT ANY WARRANTY; without even the implied warranty of  
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU  
Lesser General Public License for more details.
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You should have received a copy of the GNU Lesser General Public  
License along with this library; if not, write to the Free Software  
Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA
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Also add information on how to contact you by electronic and paper mail.

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

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

```
<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice
```

That's all there is to it!

@ignore  
@c Set file name and title for man page.  
@setfilename gpl  
@settitle GNU General Public License  
@c man begin SEEALSO  
gfdl(7), fsf-funding(7).  
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@c man begin COPYRIGHT  
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@end ignore  
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Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

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

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

@heading TERMS AND CONDITIONS

@enumerate 0

@item Definitions.

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

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

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

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

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

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

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@item 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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@ignore
@c Set file name and title for man page.
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@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:
```

```
@c man end
GCC RUNTIME LIBRARY EXCEPTION
```

Version 3.1, 31 March 2009

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@cindex LGPL, Lesser General Public License

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## 1.44 libgudev1 219 :19.el7\_2.11

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**4**

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THE BASIC LIBRARY FUNCTIONS

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#### THE BASIC LIBRARY FUNCTIONS

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THE BASIC LIBRARY FUNCTIONS

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PCRE JUST-IN-TIME COMPILATION SUPPORT

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```
@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:
#!/bin/sh

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# PARTICULAR PURPOSE.

# ck-copyright-notice can be run from the tools directory
dir=`pwd`
[ -d src ] || [ "`basename "$dir"`" != tools ] || cd ..

# Note: if paragraphs are reformatted, this may need to be updated.

lgpl="`sed -n '/version [0-9.]* or any later version/ {
s/*version //
s/ or.*//
p
q
}' doc/mpfr.texi`"
```

```

# Do not use "find ... | while read file do ... done" because the "do"
# part needs to be run in the current shell, and some shells behave in
# a different way.
srctests=`find src tests -name '*.[ch]`

err=0
for file in $srctests
do
y=""
case $file in
tests/RRTest.c)
# This file doesn't have a copyright notice, but isn't distributed.
continue ;;
src/mpfr-longlong.h)
# This file (which comes from GMP) has a specific copyright notice.
continue ;;
src/get_patches.c)
file="tools/get_patches.sh" ;;
*/mparam.h)
y="2005," ;;
esac
grep -q "Copyright $y.* Free Software Foundation" "$file" && \
grep -q "GNU MPFR Library" "$file" && \
grep -q "either version $lgpl of the License" "$file" && continue
echo "Possibly missing or incorrect copyright notice in $file"
err=1
done

```

exit \$err

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## 1.67 pciutils 3.2.1 :4.el7

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Additionally, some files within PyCrypto had specified their own licenses that differed from the PyCrypto license itself. For example, the original RIPEMD.c module simply had a copyright statement and warranty disclaimer, without clearly specifying any license terms. (An updated version on the author's website came with a license that contained a GPL-incompatible advertising clause.)

To rectify this situation for PyCrypto 2.1, the following steps have been taken:

1. Obtaining explicit permission from the original contributors to dedicate their contributions to the public domain if they have not already done so. (See the "LEGAL/copy/stmts" directory for contributors' statements.)
2. Replacing some modules with clearly-licensed code from other sources (e.g. the DES and DES3 modules were replaced with new ones based on Tom St. Denis's public-domain LibTomCrypt library.)
3. Replacing some modules with code written from scratch (e.g. the

RIPEMD and Blowfish modules were re-implemented from their respective algorithm specifications without reference to the old implementations).

#### 4. Removing some modules altogether without replacing them.

To the best of our knowledge, with the exceptions noted below or within the files themselves, the files that constitute PyCrypto are in the public domain. Most are distributed with the following notice:

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Exception:

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#### EXPORT RESTRICTIONS:

Note that the export or re-export of cryptographic software and/or source code may be subject to regulation in your jurisdiction.

#### A. HISTORY OF THE SOFTWARE

=====

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 from   | 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       | no                  |
| 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                 |

Footnotes:

(1) GPL-compatible doesn't mean that we're distributing Python under the GPL. All Python licenses, unlike the GPL, let you distribute a modified version without making your changes open source. The GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

## B. TERMS AND CONDITIONS FOR ACCESSING OR OTHERWISE USING PYTHON

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CWI LICENSE AGREEMENT FOR PYTHON 0.9.0 THROUGH 1.2

-----  
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--amk (www.amk.ca)  
LibTomCrypt is public domain. As should all quality software be.

Tom St Denis  
From dlitz@dlitz.net Sun Nov 23 00:17:22 2008  
Date: Sun, 23 Nov 2008 00:17:22 -0500  
From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>  
To: "A. M. Kuchling" <amk@amk.ca>  
Subject: PyCrypto license clarification  
Message-ID: <20081123051722.GA29253@rivest.dlitz.net>  
MIME-Version: 1.0  
Content-Type: multipart/signed; micalg=pgp-sha1;  
protocol="application/pgp-signature"; boundary="YiEDa0DAkWCtVeE4"  
Content-Disposition: inline  
X-Primary-Address: dlitz@dlitz.net  
X-Homepage: http://www.dlitz.net/  
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/  
id=19E11FE8B3CFF273ED174A24928CEC1339C25CF7 (only for key signing);  
preference=unprotected  
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/  
id=4B2AFD82FC7D9E3838D9179F1C11B877E7804B45 (2008);  
preference=signencrypt  
User-Agent: Mutt/1.5.16 (2007-06-11)  
Status: RO  
Content-Length: 3461  
Lines: 78

--YiEDa0DAkWCtVeE4  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Disposition: inline  
Content-Transfer-Encoding: quoted-printable

Hi Andrew,

People often ask me what license PyCrypto is covered by, if it's=20  
GPL-compatible, etc. Right now, I'm not really sure what to tell them. =20  
The text in the current LICENSE file (quoted below) is not entirely clear=  
=20  
on the point of whether distributing modified versions is allowed. (It=20  
says "distribute and use", but not "modify".)

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=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=  
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not have to make source available or contribute your changes back  
(though that would be nice).

--amk (www.amk.ca)

For the next PyCrypto release, I'd like to take steps to move toward a=20  
clearer licensing regime. I'm asking as many copyright holders as I can=20  
find, starting with you, if I can release PyCrypto under something clearer=  
=20  
and more standard. Below, I have quoted a public domain dedication that=20  
was recommended in \_Intellectual Property and Open Source: A Practical=20  
Guide to Protecting Code\_, by Van Lindberg.

May I, on your behalf, dedicate to the public domain your considerable=20  
contributions to PyCrypto, with the following notice?

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From: "A.M. Kuchling" <amk@amk.ca>  
To: "Dwayne C. Litzenberger" <dlitz@dlitz.net>  
Subject: Re: PyCrypto license clarification  
Message-ID: <20081123125134.GA21239@amk.local>  
Reply-To: amk@amk.ca  
References: <20081123051722.GA29253@rivest.dlitz.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline  
In-Reply-To: <20081123051722.GA29253@rivest.dlitz.net>  
User-Agent: Mutt/1.5.13 (2006-08-11)  
Status: RO  
Content-Length: 537  
Lines: 15

> People often ask me what license PyCrypto is covered by, if it's  
> GPL-compatible, etc. Right now, I'm not really sure what to tell them.  
> The text in the current LICENSE file (quoted below) is not entirely clear  
> on the point of whether distributing modified versions is allowed. (It  
> says "distribute and use", but not "modify".)

The intention is that it be public domain.

> May I, on your behalf, dedicate to the public domain your considerable  
> contributions to PyCrypto, with the following notice?

You may.

--amk  
From dlitz@dlitz.net Sat Feb 28 21:45:09 2009  
Date: Sat, 28 Feb 2009 21:45:09 -0500  
From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>  
To: Barry A Warsaw <barry@python.org>  
Subject: PyCrypto license clarification  
Message-ID: <20090301024509.GA13195@rivest.dlitz.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Disposition: inline  
User-Agent: Mutt/1.5.16 (2007-06-11)  
Status: RO  
Content-Length: 2535

Hi Barry,

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at <http://www.pycrypto.org/>.

People often ask me what license PyCrypto is covered by, if it's

GPL-compatible, etc. Right now, I'm not really sure what to tell them. The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify".)

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=====
```

Incorporating the code into commercial products is permitted; you do not have to make source available or contribute your changes back (though that would be nice).

--amk (www.amk.ca)

For the next PyCrypto release, I would like to take steps to move toward a clearer licensing regime. I am asking as many copyright holders as I can find if I can release PyCrypto under something clearer and more standard. Below, I have quoted a public domain dedication that was recommended in Intellectual Property and Open Source: A Practical Guide to Protecting Code, by Van Lindberg. I have already contacted A. M. Kuchling, Robey Pointer, and Wim Lewis, and they have all approved the following dedication for their contributions.

I understand that you have made contributions to PyCrypto. May I, on your behalf, dedicate to the public domain all your contributions to PyCrypto, with the following notice?

```
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=====
```

Regards,  
- Dwayne

--  
Dwayne C. Litzberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From barry@python.org Mon Mar 2 11:29:39 2009

X-Maildir-Dup-Checked: Yes  
Return-Path: <barry@python.org>  
X-Original-To: dwon@rivest.dlitz.net  
Delivered-To: dwon@rivest.dlitz.net  
Received: from goedel.dlitz.net (unknown [10.159.255.6])  
by rivest.dlitz.net (Postfix) with ESMTP id 6E01AC6640B  
for <dwon@rivest.dlitz.net>; Mon, 2 Mar 2009 11:29:39 -0500 (EST)  
Received: from localhost (localhost [127.0.0.1])  
by goedel.dlitz.net (Postfix) with QMQP id 0644E1007A  
for <dwon@rivest.dlitz.net>; Mon, 2 Mar 2009 10:29:39 -0600 (CST)  
Received: (vmmailmgr-postfix 8668 invoked by uid 1003); 2 Mar 2009 10:29:39 -0600  
Delivered-To: m-dlitz-dlitz@dlitz.net  
Received-SPF: none (python.org: No applicable sender policy available) receiver=goedel.dlitz.net; identity=mfrom;  
envelope-from="barry@python.org"; helo=mail.wooz.org; client-ip=216.15.33.230  
Received: from mail.wooz.org (216-15-33-230.c3-0.slv-ubr2.lnh-slv.md.static.cable.rcn.com [216.15.33.230])  
by goedel.dlitz.net (Postfix) with ESMTP id CCEA110073  
for <dlitz@dlitz.net>; Mon, 2 Mar 2009 10:29:38 -0600 (CST)  
Received: from snowdog.wooz.org (snowdog.wooz.org [192.168.11.202])  
by mail.wooz.org (Postfix) with ESMTPSA id ACE30E3C9F  
for <dlitz@dlitz.net>; Mon, 2 Mar 2009 11:29:35 -0500 (EST)  
Message-Id: <09BF1A39-B015-4820-97A3-8642490C8254@python.org>  
From: Barry Warsaw <barry@python.org>  
To: Dwayne C. Litzenberger <dlitz@dlitz.net>  
In-Reply-To: <20090301024509.GA13195@rivest.dlitz.net>  
Content-Type: text/plain; charset=US-ASCII; format=flowed; delpsp=yes  
Content-Transfer-Encoding: quoted-printable  
Mime-Version: 1.0 (Apple Message framework v930.3)  
Subject: Re: PyCrypto license clarification  
Date: Mon, 2 Mar 2009 11:29:34 -0500  
References: <20090301024509.GA13195@rivest.dlitz.net>  
X-Pgp-Agent: GPGMail d55 (v55, Leopard)  
X-Mailer: Apple Mail (2.930.3)  
Status: RO  
Content-Length: 869

-----BEGIN PGP SIGNED MESSAGE-----

Hash: SHA1

On Feb 28, 2009, at 9:45 PM, Dwayne C. Litzenberger wrote:

> I am the new maintainer of the Python Cryptography Toolkit, and I am =20=

> working on a new release at <http://www.pycrypto.org/>.

Great! I'm glad to see someone taking up the mantle of this important =20=

Python library.

> I understand that you have made contributions to PyCrypto. May I, =20  
> on your behalf, dedicate to the public domain all your contributions =20=  
  
> to PyCrypto, with the following notice?

Absolutely yes.

Cheers,  
Barry

-----BEGIN PGP SIGNATURE-----

Version: GnuPG v1.4.9 (Darwin)

iQCVAwUBSawJbnEjvBPtnXfVAQLZjgP/ecG+JdZwNvPJRfsa6rhY6+MHLdHI6agk  
evkInSJQAcVHIznVIVeR5IXgvDUMakZjU4SOV7MqkhsKA9Ilet7PaD9VSYgn3ra5  
gElwI2DQDoOy5GExXMm74gqrrb1PCCbCRmpaYNo+DZohwHkeFBjwDRA3wItOrH7  
SK4w9VBJtfY=3D  
=3DQduY

-----END PGP SIGNATURE-----

From dlitz@dlitz.net Sat Apr 18 09:14:20 2009

Date: Sat, 18 Apr 2009 09:14:20 -0400

From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>

To: Mark Moraes <moraes@computer.org>

Subject: PyCrypto license clarification

Message-ID: <20090418131419.GA14494@rivest.dlitz.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Disposition: inline

User-Agent: Mutt/1.5.16 (2007-06-11)

Status: RO

Content-Length: 2635

Hi Mark,

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at <http://www.pycrypto.org/>.

People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them. The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify".)

```
=====
Distribute and use freely; there are no restrictions on further
dissemination and usage except those imposed by the laws of your
country of residence. This software is provided "as is" without
warranty of fitness for use or suitability for any purpose, express
```

or implied. Use at your own risk or not at all.

=====  
Incorporating the code into commercial products is permitted; you do not have to make source available or contribute your changes back (though that would be nice).

--amk (www.amk.ca)

For the next PyCrypto release, I would like to take steps to move toward a clearer licensing regime. I am asking as many copyright holders as I can find if I can release PyCrypto under something clearer and more standard. Below, I have quoted a public domain dedication that was recommended in Intellectual Property and Open Source: A Practical Guide to Protecting Code, by Van Lindberg. I have already contacted A. M. Kuchling, Robey Pointer, Wim Lewis, Jeethu Rao, and Barry Warsaw, and they have all approved the following dedication for their contributions.

I understand that you have made contributions to PyCrypto. May I, on your behalf, dedicate to the public domain all your contributions to PyCrypto, with the following notice?

=====  
The contents of this file are dedicated to the public domain. To the extent that dedication to the public domain is not available, everyone is granted a worldwide, perpetual, royalty-free, non-exclusive license to exercise all rights associated with the contents of this file for any purpose whatsoever. No rights are reserved.  
=====

Regards,  
- Dwayne

--  
Dwayne C. Litzenger <dlitz@dlitz.net>  
Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From markmoraes@yahoo.com Mon Apr 20 19:25:37 2009  
X-Maildir-Dup-Checked: Yes  
Return-Path: <markmoraes@yahoo.com>  
X-Original-To: dwon@rivest.dlitz.net  
Delivered-To: dwon@rivest.dlitz.net  
Received: from goedel.dlitz.net (unknown [10.159.255.6])  
by rivest.dlitz.net (Postfix) with ESMTP id 5D9AE984FDD  
for <dwon@rivest.dlitz.net>; Mon, 20 Apr 2009 19:25:37 -0400 (EDT)  
Received: from localhost (localhost [127.0.0.1])  
by goedel.dlitz.net (Postfix) with QMQP id DE41F4025F  
for <dwon@rivest.dlitz.net>; Mon, 20 Apr 2009 17:25:36 -0600 (CST)

Received: (vmmailmgr-postfix 7604 invoked by uid 1003); 20 Apr 2009 17:25:36 -0600

Delivered-To: m-dlitz-dlitz@dlitz.net

Received-SPF: none (yahoo.com: No applicable sender policy available) receiver=goedel.dlitz.net; identity=mfrom; envelope-from="markmoraes@yahoo.com"; helo=web32405.mail.mud.yahoo.com; client-ip=68.142.207.198

Received: from web32405.mail.mud.yahoo.com (web32405.mail.mud.yahoo.com [68.142.207.198])

by goedel.dlitz.net (Postfix) with SMTP id B5EAF401EE

for <dlitz@dlitz.net>; Mon, 20 Apr 2009 17:25:36 -0600 (CST)

Received: (qmail 34697 invoked by uid 60001); 20 Apr 2009 23:25:33 -0000

DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed; d=yahoo.com; s=s1024; t=1240269933;

bh=OvxqbYnCg7R6tUN3YmlgFURM3CuHh1JeHyXhDzkaThU=; h=Message-ID:X-YMail-OSG:Received:X-

Mailer:Date:From:Reply-To:Subject:To:MIME-Version:Content-Type;

b=F2h2bFzpQxyKFZ8BhenniyupGw4Zvlekb9BSk91qKU+51W/TkSGBij5YZIhkLQdkQk0qLz5f4g8dT6bOME3sEY1j10hlx0K0u2UD0yoYTINBCmsdMQRoJ7ph9bmt+p/EJhRpe+FiV6aoLV0FONWiHfGDghPT1dulWXfVTqgB2aU=

DomainKey-Signature:a=rsa-sha1; q=dns; c=noaws;

s=s1024; d=yahoo.com;

h=Message-ID:X-YMail-OSG:Received:X-Mailer:Date:From:Reply-To:Subject:To:MIME-Version:Content-Type;

b=r6RShFF5VzQLg+9tcn1xKuo4Rs4IVvXF6fdqOpQrMyRCxeFoebhuTE35grGqlomOJLwM0+mZwRb6rGkDj763caOAl08Ect/qlADW5izXfmVQaDchTbTqmpsJBmQnTQs9iZ+InrG+3UIwtUSGfX7fhEWmI9P/HBzxf9Wp4b3j eo=;

Message-ID: <551071.34569.qm@web32405.mail.mud.yahoo.com>

X-YMail-OSG:

FrK8aWMVM1mFJtLpMGbUbCLjbUQC.i.JkIAKUHSFsFn7t9PbtewAewXJ2uhZGCOIGCX6oVnG3u.CgqzAffY4vZSnfTT8wnCkzZNZ\_g6k.XUc3ipo\_6e.92TXl4p8MxDGAf1tpNF5nXPwcQ7aREs7jGoWWWJYVyp50clsUFS Hzf7Zbpa8P1Yoe\_xSzf3OAgRSh5fCrbFCC8sHPCuwrL3YhasbtHmkWffteSS.x6gEcBaxf03oz4FeDb5mpJ54g11X onq8h\_TmzX9g84Bin9g\_3fJ4WSXm6g6.tohLyfXcUxoz4j036wyWpTKPrWEzIUQaN83Sv\_bj\_Ghxw--

Received: from [69.124.140.74] by web32405.mail.mud.yahoo.com via HTTP; Mon, 20 Apr 2009 16:25:32 PDT

X-Mailer: YahooMailClassic/5.2.15 YahooMailWebService/0.7.289.1

Date: Mon, 20 Apr 2009 16:25:32 -0700 (PDT)

From: M Moraes <markmoraes@yahoo.com>

Reply-To: moraes@computer.org

Subject: Re: PyCrypto license clarification

To: "Dwayne C. Litzenger" <dlitz@dlitz.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Status: RO

X-Status: A

Content-Length: 3222

Hi Dwayne.

Sure, the new license sounds fine for all my contributions to PyCrypto, and thanks for taking it on. My apologies for not responding to your previous e-mail.

Regards,

Mark.

-- On Sat, 4/18/09, Dwayne C. Litzberger <dlitz@dlitz.net> wrote:

> From: Dwayne C. Litzberger <dlitz@dlitz.net>  
> Subject: PyCrypto license clarification  
> To: "Mark Moraes" <moraes@computer.org>  
> Date: Saturday, April 18, 2009, 9:14 AM  
> Hi Mark,  
>  
> I am the new maintainer of the Python Cryptography Toolkit,  
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> working on a new release at <http://www.pycrypto.org/>.  
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>  
>     --amk  
>  
>  
>     (www.amk.ca)  
>

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> =====  
>  
> Regards,  
> - Dwayne  
>  
> -- Dwayne C. Litzenger <dlitz@dlitz.net>  
> Key-signing key - 19E1  
> 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7  
>

From dlitz@dlitz.net Mon Apr 20 20:01:37 2009

Date: Mon, 20 Apr 2009 20:01:37 -0400

From: "Dwayne C. Litzenger" <dlitz@dlitz.net>  
To: moraes@computer.org  
Subject: Re: PyCrypto license clarification  
Message-ID: <20090421000137.GA29012@rivest.dlitz.net>  
References: <551071.34569.qm@web32405.mail.mud.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Disposition: inline  
In-Reply-To: <551071.34569.qm@web32405.mail.mud.yahoo.com>  
X-Primary-Address: dlitz@dlitz.net  
X-Homepage: http://www.dlitz.net/  
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/;  
id=19E11FE8B3CFF273ED174A24928CEC1339C25CF7 (only for key signing);  
preference=unprotected  
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/;  
id=4B2AFD82FC7D9E3838D9179F1C11B877E7804B45 (2008);  
preference=signencrypt  
User-Agent: Mutt/1.5.16 (2007-06-11)  
Status: RO  
Content-Length: 3677

Thanks a lot, and don't worry about not responding to previous emails. I do that too much myself. :)

On Mon, Apr 20, 2009 at 04:25:32PM -0700, M Moraes wrote:

>

>Hi Dwayne.

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>> Date: Saturday, April 18, 2009, 9:14 AM

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>> --amk  
>>  
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>> (www.amk.ca)  
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>>

>> =====

>>

>> Regards,

>> - Dwayne

>>

>> -- Dwayne C. Litzenger <dlitz@dlitz.net>

>> Key-signing key - 19E1

>> 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

>>

>

--

Dwayne C. Litzenger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

Annual key (2008) - 4B2A FD82 FC7D 9E38 38D9 179F 1C11 B877 E780 4B45

From dlitz@dlitz.net Sat Feb 28 23:24:14 2009

Date: Sat, 28 Feb 2009 23:24:14 -0500

From: "Dwayne C. Litzenger" <dlitz@dlitz.net>

To: Jeethu Rao <jeethurao@gmail.com>

Subject: PyCrypto license clarification

Message-ID: <20090301042414.GA15122@rivest.dlitz.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Disposition: inline

User-Agent: Mutt/1.5.16 (2007-06-11)

Status: RO

Content-Length: 2513

Hi Jeethu,

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at <http://www.pycrypto.org/>.

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```

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Regards,

- Dwayne

--

Dwayne C. Litzenberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From jeethurao@gmail.com Sun Mar 8 17:28:16 2009

X-Maildir-Dup-Checked: Yes

Return-Path: <jeethurao@gmail.com>

X-Original-To: dwon@rivest.dlitz.net

Delivered-To: dwon@rivest.dlitz.net

Received: from goedel.dlitz.net (unknown [10.159.255.6])

by rivest.dlitz.net (Postfix) with ESMTP id 0CC83515D9

for <dwon@rivest.dlitz.net>; Sun, 8 Mar 2009 17:28:16 -0400 (EDT)

Received: from localhost (localhost [127.0.0.1])

by goedel.dlitz.net (Postfix) with QMQP id 4E58F450CB

for <dwon@rivest.dlitz.net>; Sun, 8 Mar 2009 15:28:15 -0600 (CST)

Received: (vmmailmgr-postfix 5011 invoked by uid 1003); 8 Mar 2009 15:28:15 -0600

Delivered-To: m-dlitz-dlitz@dlitz.net

Received-SPF: pass (gmail.com ... \_spf.google.com: 209.85.198.249 is authorized to use 'jeethurao@gmail.com' in 'mfrom' identity (mechanism 'ip4:209.85.128.0/17' matched)) receiver=goedel.dlitz.net; identity=mfrom; envelope-from="jeethurao@gmail.com"; helo=rv-out-0708.google.com; client-ip=209.85.198.249

Received: from rv-out-0708.google.com (unknown [209.85.198.249])

by goedel.dlitz.net (Postfix) with ESMTP id 3C097449E7

for <dlitz@dlitz.net>; Sun, 8 Mar 2009 15:28:12 -0600 (CST)

Received: by rv-out-0708.google.com with SMTP id k29so1252333rvb.26

for <dlitz@dlitz.net>; Sun, 08 Mar 2009 14:27:56 -0700 (PDT)

DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;

d=gmail.com; s=gamma;

h=domainkey-signature:mime-version:received:in-reply-to:references

:date:message-id:subject:from:to:content-type;

bh=YWy9U32WCU/ksRqukHwaOZyJQBUs4Yvt5mI20U6mI/g=;

b=oMjI22IIXYiJKge2zNjW3rRiUi9LqFXmey5Wp0pLItuNF+X3duyfhopTuBAKw7MwVY

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L9/A6D3/J66kKrNBgX9mc0GPcZTviVFYkPR0Q=

DomainKey-Signature: a=rsa-sha1; c=noaws;

d=gmail.com; s=gamma;

h=mime-version:in-reply-to:references:date:message-id:subject:from:to

:content-type;

b=Ym7CStuDEfJKay1AJyWZkZmJA1lnTcwCG6akBHAXLld8ht6PFcmIsffzZG8hJCIVJ8

vIjqcT+G6cywVTBw1pyGX7ECYzr0+vhGvgdpACGrS24zikHfpSSd5GFogzXaLVvGVH8p

bqSHpfWKKtEP4gAQkiNeIq1GNtR2j8U3fnRyg=

MIME-Version: 1.0

Received: by 10.141.176.13 with SMTP id d13mr2656028rvp.231.1236547674677;

Sun, 08 Mar 2009 14:27:54 -0700 (PDT)

In-Reply-To: <20090301042414.GA15122@rivest.dlitz.net>

References: <20090301042414.GA15122@rivest.dlitz.net>

Date: Mon, 9 Mar 2009 02:57:54 +0530

Message-ID: <e3c0ddba0903081427p3a7b1058g417dd8624df68d6d@mail.gmail.com>  
Subject: Re: PyCrypto license clarification  
From: Jeethu Rao <jeethurao@gmail.com>  
To: "Dwayne C. Litzenberger" <dlitz@dlitz.net>  
Content-Type: multipart/alternative; boundary=000e0cd209d0e5a3d40464a23054  
Status: RO  
Content-Length: 7668

--000e0cd209d0e5a3d40464a23054  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hi Dwayne, My contribution to pycrypto are very very minimal (The sha256 module, IIRC).

I'd be fine with the public domain license for PyCrypto.

Jeethu Rao

PS: Apologies for the delay in my response.

I don't really check this email address all that often,  
please direct any further correspondence to jeethu@jeethurao.com

On Sun, Mar 1, 2009 at 9:54 AM, Dwayne C. Litzenberger <dlitz@dlitz.net> wrote:

> Hi Jeethu,

>

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> Dwayne C. Litzengerger <dlitz@dlitz.net>  
> Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7  
>

--  
Jeethu Rao

--000e0cd209d0e5a3d40464a23054  
Content-Type: text/html; charset=ISO-8859-1  
Content-Transfer-Encoding: quoted-printable

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please direct any further correspondence to <a href="mailto:jeethu@jeethu=  
rao.com">jeethu@jeethurao.com</a><br><div><br><div class="gmail\_quote">On=  
Sun, Mar 1, 2009 at 9:54 AM, Dwayne C. Litzengerger <span dir="ltr">&lt;=  
<a href="mailto:dlitz@dlitz.net">dlitz@dlitz.net</a>&gt;</span> wrote:<br>  
>





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- > =====

Certainly! I think the only code of mine in PyCrypto is the CAST-5 / CAST-128 implementation, which already has a public-domain notice at the top of the file. But I am happy to have that, any any other code of mine that might have wandered in there under an unclear open sourcish license, distributed under the public-domain dedication you quote.

Wim.

-----BEGIN PGP SIGNATURE-----

Version: GnuPG v1.4.6 (Darwin)

iQCVAwUBSSnnA18UnN8n93LBAQLp/gQAhr7x8Av1mstc2kxEJDWTm26PTAZxMz4B  
FektbDOzkxgc5580MGGeX/MVn8aw+1BHg0YD85gsntlDzkcQtb+BR/xAvJ5zKyA  
J/Mn/I+I6ekJQ3juh8IPHLAduOXM9Rtguas/yR+Doaq0xOPKoBx+/5+t1LJtBcZ  
wrPEa9Oui9s=  
=zSY9

-----END PGP SIGNATURE-----

From dlitz@dlitz.net Mon May 4 22:49:14 2009  
Date: Mon, 4 May 2009 22:49:14 -0400  
From: "Dwayne C. Litzenger" <dlitz@dlitz.net>  
To: Joris Bontje <joris@bontje.nl>  
Subject: PyCrypto license clarification  
Message-ID: <20090505024914.GA9219@rivest.dlitz.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Disposition: inline  
User-Agent: Mutt/1.5.16 (2007-06-11)  
Status: RO  
Content-Length: 2553

Hi Joris,

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at <http://www.pycrypto.org/>.

People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them. The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify".)

=====

Distribute and use freely; there are no restrictions on further

dissemination and usage except those imposed by the laws of your country of residence. This software is provided "as is" without warranty of fitness for use or suitability for any purpose, express or implied. Use at your own risk or not at all.

=====

Incorporating the code into commercial products is permitted; you do not have to make source available or contribute your changes back (though that would be nice).

--amk (www.amk.ca)

For the next PyCrypto release, I would like to take steps to move toward a clearer licensing regime. I am asking as many copyright holders as I can find if I can release PyCrypto under something clearer and more standard. Below, I have quoted a public domain dedication that was recommended in Intellectual Property and Open Source: A Practical Guide to Protecting Code, by Van Lindberg. I have already contacted A. M. Kuchling, Robey Pointer, Barry Warsaw, Wim Lewis, Jeethu Rao, and Mark Moraes, and they have all approved the following dedication for their contributions.

I understand that you have made contributions to PyCrypto. May I, on your behalf, dedicate to the public domain all your contributions to PyCrypto, with the following notice?

=====

The contents of this file are dedicated to the public domain. To the extent that dedication to the public domain is not available, everyone is granted a worldwide, perpetual, royalty-free, non-exclusive license to exercise all rights associated with the contents of this file for any purpose whatsoever. No rights are reserved.

=====

Regards,  
- Dwayne

--

Dwayne C. Litzemberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From joris@bontje.nl Tue May 5 03:08:32 2009

X-Maildir-Dup-Checked: Yes

Return-Path: <joris@bontje.nl>

X-Original-To: dwon@rivest.dlitz.net

Delivered-To: dwon@rivest.dlitz.net

Received: from goedel.dlitz.net (unknown [10.159.255.6])

by rivest.dlitz.net (Postfix) with ESMTP id 7AA4B9E5078

for <dwon@rivest.dlitz.net>; Tue, 5 May 2009 03:08:32 -0400 (EDT)

Received: from localhost (localhost [127.0.0.1])  
by goedel.dlitz.net (Postfix) with QMQP id 2315B40583  
for <dwon@rivest.dlitz.net>; Tue, 5 May 2009 01:08:32 -0600 (CST)  
Received: (vmmailmgr-postfix 16890 invoked by uid 1003); 5 May 2009 01:08:32 -0600  
Delivered-To: m-dlitz-dlitz@dlitz.net  
Received-SPF: none (bontje.nl: No applicable sender policy available) receiver=goedel.dlitz.net; identity=mfrom;  
envelope-from="joris@bontje.nl"; helo=smtp6.versatel.nl; client-ip=62.58.50.97  
Received: from smtp6.versatel.nl (smtp6.versatel.nl [62.58.50.97])  
by goedel.dlitz.net (Postfix) with ESMTP id 2D76A4052C  
for <dlitz@dlitz.net>; Tue, 5 May 2009 01:08:30 -0600 (CST)  
Received: (qmail 4224 invoked by uid 0); 5 May 2009 07:08:25 -0000  
Received: from qmail06.zonnet.nl (HELO dell062.admin.zonnet.nl) ([10.170.1.123])  
(envelope-sender <joris@bontje.nl>)  
by 10.170.1.96 (qmail-ldap-1.03) with SMTP  
for <>; 5 May 2009 07:08:25 -0000  
Received: by dell062.admin.zonnet.nl (Postfix, from userid 33)  
id 9BE9B15759B; Tue, 5 May 2009 09:08:25 +0200 (CEST)  
Received: from firewall66.interaccess.nl (firewall66.interaccess.nl  
[193.173.35.66]) by www.webmail.vuurwerk.nl (Horde MIME library) with HTTP;  
Tue, 05 May 2009 09:08:25 +0200  
Message-ID: <20090505090825.gsq1ps7hg08wwwok@www.webmail.vuurwerk.nl>  
Date: Tue, 05 May 2009 09:08:25 +0200  
From: joris@bontje.nl  
To: "Dwayne C. Litzenger" <dlitz@dlitz.net>  
Subject: Re: PyCrypto license clarification  
References: <20090505024914.GA9219@rivest.dlitz.net>  
In-Reply-To: <20090505024914.GA9219@rivest.dlitz.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset=ISO-8859-1;  
format="flowed"  
Content-Disposition: inline  
Content-Transfer-Encoding: 7bit  
User-Agent: Internet Messaging Program (IMP) H3 (4.1.3)  
Status: RO  
X-Status: A  
Content-Length: 3488

Hi Dwayne,

Thanks for taking over the PyCrypto library and putting in the required effort to keep this going.

I was very excited to read that it is now one of the installed libraries for Google AppsEngine!

You have my full permission to dedicate all my contributions to PyCrypto to the public domain with your suggested notice:

=====

The contents of this file are dedicated to the public domain. To the extent that dedication to the public domain is not available, everyone is granted a worldwide, perpetual, royalty-free, non-exclusive license to exercise all rights associated with the contents of this file for any purpose whatsoever. No rights are reserved.

=====

Regards,  
Joris

Citeren "Dwayne C. Litzberger" <dlitz@dlitz.net>:

> Hi Joris,  
>  
> I am the new maintainer of the Python Cryptography Toolkit, and I am  
> working on a new release at <http://www.pycrypto.org/>.  
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> People often ask me what license PyCrypto is covered by, if it's  
> GPL-compatible, etc. Right now, I'm not really sure what to tell them.  
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> warranty of fitness for use or suitability for any purpose, express  
> or implied. Use at your own risk or not at all.  
> =====  
>  
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>  
> --amk (www.amk.ca)  
>  
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> any purpose whatsoever. No rights are reserved.  
> =====  
>  
> Regards,  
> - Dwayne  
>  
> --  
> Dwayne C. Litzenberger <dlitz@dlitz.net>  
> Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From dlitz@dlitz.net Tue May 5 17:53:47 2009  
Date: Tue, 5 May 2009 17:53:47 -0400  
From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>  
To: joris@bontje.nl  
Subject: Re: PyCrypto license clarification  
Message-ID: <20090505215347.GB9933@rivest.dlitz.net>  
References: <20090505024914.GA9219@rivest.dlitz.net>  
<20090505090825.gsq1ps7hg08wwwok@www.webmail.vuurwerk.nl>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Disposition: inline  
In-Reply-To: <20090505090825.gsq1ps7hg08wwwok@www.webmail.vuurwerk.nl>  
X-Primary-Address: dlitz@dlitz.net  
X-Homepage: http://www.dlitz.net/  
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/  
id=19E11FE8B3CFF273ED174A24928CEC1339C25CF7 (only for key signing);  
preference=unprotected  
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/  
id=4B2AFD82FC7D9E3838D9179F1C11B877E7804B45 (2008);  
preference=signencrypt  
User-Agent: Mutt/1.5.16 (2007-06-11)  
Status: RO  
Content-Length: 3863

Excellent! Thank you!

On Tue, May 05, 2009 at 09:08:25AM +0200, joris@bontje.nl wrote:

> Hi Dwayne,

>  
> Thanks for taking over the PyCrypto library and putting in the required  
> effort to keep this going.  
> I was very excited to read that it is now one of the installed libraries  
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>  
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> =====  
>  
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> Joris  
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>> =====  
>> Distribute and use freely; there are no restrictions on further  
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>> warranty of fitness for use or suitability for any purpose, express  
>> or implied. Use at your own risk or not at all.  
>> =====  
>>  
>> Incorporating the code into commercial products is permitted; you do  
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>> (though that would be nice).  
>>  
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>> any purpose whatsoever. No rights are reserved.

>> =====

>>

>> Regards,

>> - Dwayne

>>

>> --

>> Dwayne C. Litzengerger <dlitz@dlitz.net>

>> Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

>

>

--

Dwayne C. Litzengerger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

Annual key (2008) - 4B2A FD82 FC7D 9E38 38D9 179F 1C11 B877 E780 4B45

From dlitz@dlitz.net Sun Aug 2 21:48:25 2009

Date: Sun, 2 Aug 2009 21:48:25 -0400

From: "Dwayne C. Litzengerger" <dlitz@dlitz.net>

To: Paul Swartz <paulswartz@gmail.com>

Subject: PyCrypto license clarification

Message-ID: <20090803014825.GA1326@rivest.dlitz.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Disposition: inline

User-Agent: Mutt/1.5.16 (2007-06-11)

Status: RO

Content-Length: 2631

Hi Paul,

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at <http://www.pycrypto.org/>.

People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them. The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify".)

```
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=====
```

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I understand that you have made contributions to PyCrypto, under nickname "z3p" and/or other names. May I, on your behalf, dedicate to the public domain all your contributions to PyCrypto, with the following notice?

```
=====
The contents of this file are dedicated to the public domain. To the
extent that dedication to the public domain is not available, everyone
is granted a worldwide, perpetual, royalty-free, non-exclusive license
to exercise all rights associated with the contents of this file for
any purpose whatsoever. No rights are reserved.
=====
```

Regards,  
- Dwayne

--

Dwayne C. Litzenberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From paulswartz@gmail.com Mon Aug 3 12:14:07 2009

X-Maildir-Dup-Checked: Yes

Return-Path: <paulswartz@gmail.com>

X-Original-To: dwon@rivest.dlitz.net

Delivered-To: dwon@rivest.dlitz.net

Received: from goedel.dlitz.net (unknown [10.159.255.6])

by rivest.dlitz.net (Postfix) with ESMTP id 30B9D984FC4

for <dwon@rivest.dlitz.net>; Mon, 3 Aug 2009 12:14:07 -0400 (EDT)

Received: from localhost (localhost [127.0.0.1])

by goedel.dlitz.net (Postfix) with QMQP id AD9AE81068

for <dwon@rivest.dlitz.net>; Mon, 3 Aug 2009 10:14:06 -0600 (CST)

Received: (vmmailmgr-postfix 32055 invoked by uid 1003); 3 Aug 2009 10:14:06 -0600

Delivered-To: m-dlitz-dlitz@dlitz.net

Received-SPF: pass (gmail.com ... \_spf.google.com: 72.14.220.159 is authorized to use 'paulswartz@gmail.com' in 'mfrom' identity (mechanism 'ip4:72.14.192.0/18' matched)) receiver=goedel.dlitz.net; identity=mfrom; envelope-from="paulswartz@gmail.com"; helo=fg-out-1718.google.com; client-ip=72.14.220.159

Received: from fg-out-1718.google.com (fg-out-1718.google.com [72.14.220.159])

by goedel.dlitz.net (Postfix) with ESMTP id 4E63881066

for <dlitz@dlitz.net>; Mon, 3 Aug 2009 10:14:05 -0600 (CST)

Received: by fg-out-1718.google.com with SMTP id d23so1076840fga.3

for <dlitz@dlitz.net>; Mon, 03 Aug 2009 09:14:04 -0700 (PDT)

DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;

d=gmail.com; s=gamma;

h=domainkey-signature:mime-version:received:in-reply-to:references

:from:date:message-id:subject:to:content-type

:content-transfer-encoding;

bh=A0RHBf0TnribKS5qOHJ3WYbkZ+b0cuPeuoKAvpApWcc=;

b=gyTqkRhKIHadFKIZCBWsRbnMNVdq1PWlJbyC0EvxPskaoHr3HAR96MWQNBePu/40Ac

Vn55qllqTdom4e9zIUUE6MwZo9kqi/Qw0L/SLib0DIQeNqo/eHYqPmuVswltaYwNAyMJ

Y9++76rPGzqYdALsfvsmwv7Q3/bEmjVTr0tQE=

DomainKey-Signature: a=rsa-sha1; c=noFWS;

d=gmail.com; s=gamma;

h=mime-version:in-reply-to:references:from:date:message-id:subject:to

:content-type:content-transfer-encoding;

b=jze7KSMkUGilfVCXKXaaXMi5NAtGdMQOtVZZfRNyGSy68xOd2sxefjyyig3EfT6Nv6

Q3opUMsT96Q6zjZND55w446kTh2uBTnz4d3NwIeEWJnG3xcliRQu/mXPfp8AzPI3CefL

1ornJLM1eQ2XyuZA73jem+SJtfdHUcSD1UhgI=

MIME-Version: 1.0

Received: by 10.239.157.147 with SMTP id q19mr601802hbc.61.1249316043185; Mon,

03 Aug 2009 09:14:03 -0700 (PDT)

In-Reply-To: <20090803014825.GA1326@rivest.dlitz.net>

References: <20090803014825.GA1326@rivest.dlitz.net>

From: Paul Swartz <paulswartz@gmail.com>

Date: Mon, 3 Aug 2009 12:13:43 -0400



From dlitz@dlitz.net Mon Aug 3 14:35:01 2009  
Date: Mon, 3 Aug 2009 14:35:01 -0400  
From: "Dwayne C. Litzenger" <dlitz@dlitz.net>  
To: Paul Swartz <paulswartz@gmail.com>  
Subject: Re: PyCrypto license clarification  
Message-ID: <20090803183501.GA17472@rivest.dlitz.net>  
References: <20090803014825.GA1326@rivest.dlitz.net>  
<324cfb540908030913x71d331f0kb069052f74e5ae6b@mail.gmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1; format=flowed  
Content-Disposition: inline  
Content-Transfer-Encoding: 8bit  
In-Reply-To: <324cfb540908030913x71d331f0kb069052f74e5ae6b@mail.gmail.com>  
X-Primary-Address: dlitz@dlitz.net  
X-Homepage: http://www.dlitz.net/  
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/  
id=19E11FE8B3CFF273ED174A24928CEC1339C25CF7 (only for key signing);  
preference=unprotected  
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/  
id=4B2AFD82FC7D9E3838D9179F1C11B877E7804B45 (2008);  
preference=signencrypt  
User-Agent: Mutt/1.5.16 (2007-06-11)  
Status: RO  
Content-Length: 1250

On Mon, Aug 03, 2009 at 12:13:43PM -0400, Paul Swartz wrote:

>On Sun, Aug 2, 2009 at 9:48 PM, Dwayne C. Litzenger<dlitz@dlitz.net> wrote:

>> Hi Paul,

>>

>> I am the new maintainer of the Python Cryptography Toolkit, and I am  
>> working on a new release at <http://www.pycrypto.org/>.

>

>That's great!

>

>> I understand that you have made contributions to PyCrypto, under nickname  
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>> to exercise all rights associated with the contents of this file for  
>> any purpose whatsoever. No rights are reserved.

>> =====

>

>Yes, that's fine. Good luck with the new release!

Perfect! Thanks for the quick response!

--

Dwayne C. Litzenger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

Date: Mon, 16 Feb 2009 12:58:00 -0800

From: Robey Pointer <robey@lag.net>

Subject: Re: PyCrypto license clarification

To: "Dwayne C. Litzenger" <dlitz@dlitz.net>

Received-SPF: pass (goedel.dlitz.net: domain of robey@lag.net designates 69.61.78.186 as permitted sender)

Message-Id: <F469A078-6305-4484-BEA8-F4EC38A4154F@lag.net>

-----BEGIN PGP SIGNED MESSAGE-----

Hash: SHA1

On 23 Nov 2008, at 07:42, Dwayne C. Litzenger wrote:

> For the next PyCrypto release, I would like to take steps to move  
> toward a clearer licensing regime. I am asking as many copyright  
> holders as I can find if I can release PyCrypto under something  
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> any purpose whatsoever. No rights are reserved.

>  
> =

> =====

>

In case I haven't replied to this yet: Yes, this is fine with me.

robey

-----BEGIN PGP SIGNATURE-----

Version: GnuPG v1.4.8 (Darwin)

iEYEARECAAYFAkmZ01gACgkQQQDkKvyJ6cOLvQCfQmYYuVODvIlyLg0hgCI9LAbQ  
SH8AoLJgaq1lli7/ZYDc+/Cd8VO0xLbr

=Mv6g

-----END PGP SIGNATURE-----

From dlitz@dlitz.net Wed Aug 27 20:54:38 EDT 2008

X-Maildir-Dup-Checked: Yes

Return-Path: <dlitz@dlitz.net>

X-Original-To: dwon@rivest.dlitz.net

Delivered-To: dwon@rivest.dlitz.net

Received: from goedel.dlitz.net (unknown [10.159.255.6])

by rivest.dlitz.net (Postfix) with ESMTP id ECFDFC6641D

for <dwon@rivest.dlitz.net>; Wed, 27 Aug 2008 20:45:06 -0400 (EDT)

Received: from localhost (localhost [127.0.0.1])

by goedel.dlitz.net (Postfix) with QMQP id 99A9D100AA

for <dwon@rivest.dlitz.net>; Wed, 27 Aug 2008 18:45:05 -0600 (CST)

Received: (vmmailmgr-postfix 3270 invoked by uid 1003); 27 Aug 2008 18:45:05 -0600

Delivered-To: m-dlitz-dlitz@dlitz.net

Received-SPF: pass (goedel.dlitz.net: domain of dlitz@dlitz.net designates 193.201.42.13 as permitted sender)

Received: from m14.itconsult.net (m14.itconsult.net [193.201.42.13])

by goedel.dlitz.net (Postfix) with ESMTP id 1D3B510088

for <dlitz@dlitz.net>; Wed, 27 Aug 2008 18:45:04 -0600 (CST)

Received: from stamper.itconsult.co.uk (stamper.itconsult.co.uk

[193.201.42.31]) by m14.stamper.itconsult.co.uk (GMS

15.01.3664/NT8923.00.54dca388) with SMTP id jfxsjqaa for dlitz@dlitz.net;

Thu, 28 Aug 2008 01:45:02 +0100

To: crypt@bis.doc.gov,

enc@nsa.gov,

web\_site@bis.doc.gov,

pycrypto@lists.dlitz.net,

PYTHON-CRYPTO@NIC.SURFNET.NL,

dlitz@dlitz.net

Received-SPF: Pass (m14.stamper.itconsult.co.uk: domain of dlitz@dlitz.net

designates 64.5.53.201 as permitted sender) identity=mailfrom;

client-ip=64.5.53.201; receiver=m14.stamper.itconsult.co.uk;

helo=goedel.dlitz.net; mechanism=-all; envelope-from=dlitz@dlitz.net;

Received: from goedel.dlitz.net (goedel.dlitz.net [64.5.53.201]) by

m14.stamper.itconsult.co.uk (GMS 15.01.3664/NT8923.00.54dca388) with ESMTP id

taxsjqaa for post@stamper.itconsult.co.uk; Thu, 28 Aug 2008 01:42:58 +0100

Received: from rivest.dlitz.net (rivest.dlitz.net [IPv6:2002:4c0a:9133:1104::1])

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for <post@stamper.itconsult.co.uk>; Wed, 27 Aug 2008 18:42:56 -0600 (CST)

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id B92F8C66420; Wed, 27 Aug 2008 20:42:55 -0400 (EDT)  
Received: by rivest.dlitz.net (tmda-sendmail, from uid 1000);  
Wed, 27 Aug 2008 20:42:54 -0400  
Date: Wed, 27 Aug 2008 20:42:54 -0400  
Cc: post@stamper.itconsult.co.uk  
Subject: PyCrypto TSU NOTIFICATION  
Message-ID: <20080828004254.GA31214@rivest.dlitz.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Disposition: inline  
X-Primary-Address: dlitz@dlitz.net  
X-Homepage: http://www.dlitz.net/  
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/  
id=19E11FE8B3CFF273ED174A24928CEC1339C25CF7 (only for key signing);  
preference=unprotected  
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/  
id=4B2AFD82FC7D9E3838D9179F1C11B877E7804B45 (2008);  
preference=signencrypt  
User-Agent: Mutt/1.5.16 (2007-06-11)  
X-Delivery-Agent: TMDA/1.1.9 (Jura)  
From: "Dwayne C. Litzenger" <dlitz@dlitz.net>  
X-DNSBL: 0  
Status: O  
Content-Length: 2182  
Lines: 65

-----BEGIN PGP SIGNED MESSAGE-----

#####

#  
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# stamper.itconsult.co.uk certifying that a user  
# claiming to be:-  
# dlitz@dlitz.net  
# requested that this message be sent to:-  
# crypt@bis.doc.gov  
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#  
# This certificate was issued at 00:45 (GMT)  
# on Thursday 28 August 2008 with reference 0520978  
#  
# CAUTION: while the message may well be from the sender  
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# has NOT been authenticated by this service

#  
# For information about the Stamper service see  
# <http://www.itconsult.co.uk/stamper.htm>  
#  
#####

SUBMISSION TYPE: TSU  
SUBMITTED BY: Dwayne C. Litzenberger  
SUBMITTED FOR: Dwayne C. Litzenberger  
POINT OF CONTACT: Dwayne C. Litzenberger  
PHONE and/or FAX: +1-613-693-1296  
MANUFACTURER: n/a  
PRODUCT NAME/MODEL #: The Python Cryptography Toolkit ("PyCrypto")  
ECCN: 5D002

NOTIFICATION: <http://www.pycrypto.org/>

Note: I am a Canadian citizen posting software to my website located in Canada. I am not certain whether PyCrypto contains enough US-origin cryptography to be covered by U.S. export controls, but I am submitting this anyway.

(Sorry for spamming the lists, but I want there to be a record of this.)

- - -

Dwayne C. Litzenberger <[dlitz@dlitz.net](mailto:dlitz@dlitz.net)>  
Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7  
Annual key (2008) - 4B2A FD82 FC7D 9E38 38D9 179F 1C11 B877 E780 4B45

-----BEGIN PGP SIGNATURE-----

Version: 2.6.3i  
Charset: noconv  
Comment: Stamper Reference Id: 0520978

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XYhY+HbRjsD741/GSpOt9IIN5ln0UgshFoLIndnNSAvWf4aPyh5KCN7ho+/BC0v/  
W/pqSSiPkwmhbhLPHoOltTkNc0qKLAHXqMGJNhO8AkrYZOyJksb0HsA==  
=3oIX

-----END PGP SIGNATURE-----

/\*

- \* hash\_template.c : Generic framework for hash function extension modules
- \*
- \* Written by Andrew Kuchling and others
- \*

```

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* =====
*/
/*
* An generic implementation of the SHA-2 hash family, this is endian neutral
* so should work just about anywhere.
*
* This code works much like the MD5 code provided by RSA. You sha_init()
* a "sha_state" then sha_process() the bytes you want and sha_done() to get
* the output.
*
* Originally written by Tom St Denis -- http://tomstdenis.home.dhs.org
* Adapted for PyCrypto by Jeethu Rao, Taylor Boon, and others.
* Turned into a generic template by Lorenz Quack <don@amberfisharts.com>
*
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* =====
*

```

```

*/
/* *_- C *_- */
/*
* block_template.c : Generic framework for block encryption algorithms
*
* Written by Andrew Kuchling and others
*
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* =====
*/
/*
*/
* stream_template.c : Generic framework for stream ciphers
*
* Written by Andrew Kuchling and others
*
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* =====
*/

```

# 1.73 pygobject3 3.14.0 :3.e17

## 1.73.1 Available under license :

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Version 2.1, February 1999

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## History and License

\*\*\*\*\*

### History of the software

=====

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.

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|----------------|--------------|-----------|------------|-----------------|
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| 1.6            | 1.5.2        | 2000      | CNRI       | no              |
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| 1.6.1          | 1.6          | 2001      | CNRI       | no              |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no              |

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|-------|-----------|-----------|-----|-----|--|
| 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 |  |
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| 2.2.1 | 2.2       | 2002      | PSF | yes |  |
| 2.2.2 | 2.2.1     | 2002      | PSF | yes |  |
| 2.2.3 | 2.2.2     | 2002-2003 | 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     | 2003      | PSF | yes |  |
| 2.3.3 | 2.3.2     | 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 |  |
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| 2.5   | 2.4       | 2006      | PSF | yes |  |
| 2.5.1 | 2.5       | 2007      | PSF | yes |  |
| 2.5.2 | 2.5.1     | 2008      | PSF | yes |  |
| 2.5.3 | 2.5.2     | 2008      | PSF | yes |  |
| 2.6   | 2.5       | 2008      | PSF | yes |  |

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|-------|-------|------|-----|-----|--|
| 2.6.1 | 2.6   | 2008 | PSF | yes |  |
| 2.6.2 | 2.6.1 | 2009 | PSF | yes |  |
| 2.6.3 | 2.6.2 | 2009 | PSF | yes |  |
| 2.6.4 | 2.6.3 | 2010 | PSF | yes |  |
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#### Mersenne Twister

-----

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

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

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

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

Sockets

-----

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

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MD5 message digest algorithm  
-----

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L. Peter Deutsch  
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

<http://www.ietf.org/rfc/rfc1321.txt>

The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

- 2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.
- 1999-11-04 lpd Edited comments slightly for automatic TOC extraction.

1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5);  
added conditionalization for C++ compilation from Martin  
Purschke <purschke@bnl.gov>.  
1999-05-03 lpd Original version.

Asynchronous socket services  
-----

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Execution tracing

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UUencode and UUdecode functions

-----

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Modified by Jack Jansen, CWI, July 1995:

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

XML Remote Procedure Calls

-----

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test\_epoll

-----

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Select kqueue

-----

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strtod and dtoa

-----

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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

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| 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)             |
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## 1.84 python 2.7.5 :38.el7\_2

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#### A. HISTORY OF THE SOFTWARE

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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

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| 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                 |
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| 2.6            | 2.5          | 2008      | PSF        | yes                 |
| 2.6.1          | 2.6          | 2008      | PSF        | yes                 |
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| 2.6.3          | 2.6.2        | 2009      | PSF        | yes                 |
| 2.6.4          | 2.6.3        | 2009      | PSF        | yes                 |
| 2.6.5          | 2.6.4        | 2010      | PSF        | yes                 |
| 2.7            | 2.6          | 2010      | PSF        | yes                 |

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## 1.88 python-coverage 4.2

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## 1.89 python-crypto 2.6.1 :1.el7.centos

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#### A. HISTORY OF THE SOFTWARE

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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	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
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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
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2.6.2	2.6.1	2009	PSF	yes
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## 1.92 python-jinja2 2.7.2 :2.e17

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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.

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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	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
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A. HISTORY OF THE SOFTWARE

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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	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
2.7	2.6	2010	PSF	yes

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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# 1.100 python-requests 2.6.0 :1.e17\_1

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Requests includes some vendorized python libraries to ease installation.

Urllib3 License

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# 1.101 python-setuptools 0.9.8 :4.e17

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## 1.102 python-six 1.9.0 :2.e17

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## 1.103 python-urlgrabber 3.1.0

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## 1.104 python-urllib3 1.10.2 :2.e17\_1

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- \* HTTPS patch (which inspired HTTPSConnectionPool)
  
- \* erikcederstrand <<http://code.google.com/u/erikcederstrand/>>
- \* NTLM-authenticated HTTPSConnectionPool
- \* Basic-authenticated HTTPSConnectionPool (merged into make\_headers)
  
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- \* Client-verified SSL certificates for HTTPSConnectionPool
- \* Response gzip and deflate encoding support
- \* Better unicode support for filepost using StringIO buffers
  
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- \* API unification of ssl\_version/cert\_reqs
- \* SSL fingerprint and alternative hostname verification
- \* Bugfixes in testsuite
  
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- \* Various bugfixes and test improvements.
  
- \* Bryce Boe <bbzbryce@gmail.com>
  - \* Correct six.moves conflict
  - \* Fixed pickle support of some exceptions
  
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- \* Cory Benfield <<http://lukasa.co.uk/about/>>
  - \* Stream method for Response objects.
  - \* Return native strings in header values.
  - \* Generate 'Host' header when using proxies.
  
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  - \* Add missing WrappedSocket.fileno method in PyOpenSSL
  
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  - \* Support for separate connect and request timeouts
  
- \* Peter Waller <p@pwaller.net>
  - \* HTTPResponse.tell() for determining amount received over the wire
  
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  - \* Ignore default ports when comparing hosts for equality
  
- \* Danilo @dbrgn <<http://dbrgn.ch/>>
  - \* Disabled TLS compression by default on Python 3.2+
  - \* Disabled TLS compression in pyopenssl contrib module
  - \* Configurable cipher suites in pyopenssl contrib module
  
- \* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
  - \* Account retries on proxy errors
  
- \* Nicolas Delaby <nicolas.delaby@ezeep.com>
  - \* Use the platform-specific CA certificate locations

- \* Josh Schneier <<https://github.com/jschneier>>
- \* HTTPHeaderDict and associated tests and docs
- \* Bugfixes, docs, test coverage
  
- \* Tahia Khan <<http://tahia.tk/>>
- \* Added Timeout examples in docs
  
- \* Arthur Grunseid <<http://grunseid.com>>
- \* source\_address support and tests (with <https://github.com/bui>)
  
- \* Ian Cordasco <[graffatcolmingov@gmail.com](mailto:graffatcolmingov@gmail.com)>
- \* PEP8 Compliance and Linting
- \* Add ability to pass socket options to an HTTP Connection
  
- \* Erik Tollerud <[erik.tollerud@gmail.com](mailto:erik.tollerud@gmail.com)>
- \* Support for standard library io module.
  
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- \* Security Warning Documentation update for proper capture
  
- \* Shivan Sornarajah <[github@sornars.com](mailto:github@sornars.com)>
- \* Support for using ConnectionPool and PoolManager as context managers.
  
- \* Alex Gaynor <[alex.gaynor@gmail.com](mailto:alex.gaynor@gmail.com)>
- \* Updates to the default SSL configuration
  
- \* [Your name or handle] <[email or website]>
- \* [Brief summary of your changes]

## 1.105 pytz 2016.10

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# 1.118 systemd-python 219 :19.el7\_2.13

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## 1.122 tornado 4.4.2

## 1.123 tornado 4.2.1

## 1.124 tornado 4.3

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```

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```

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```
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## 1.130 yum-metadata-parser 1.1.4 :10.el7

### 1.130.1 Available under license :

From RPM File Metadata:GPLv2

## 1.131 yum-utils 1.1.31 :34.el7

### 1.131.1 Available under license :

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```

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```

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

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