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Contents

1.1 ncurses 5.9

1.1.1 Available under license

1.2 glibc 2.21

1.2.1 Available under license

1.3 cpp 4.9.2

1.3.1 Available under license

1.4 mdnsresponder 765.50.9

1.4.1 Available under license

1.5 readline 6.3

1.5.1 Available under license

1.6 dropbear 2016.74

1.6.1 Available under license

1.7 iptables 1.6.1

1.7.1 Available under license

1.8 bash 4.3.30

1.8.1 Available under license

1.9 stunnel 4.56

1.9.1 Available under license

1.10 curl 7.19.4

1.10.1 Available under license

1.11 libgpg-error 1.18

1.11.1 Available under license

1.12 bridgeutils 1.1

1.12.1 Available under license

1.13 wide-dhcv6 20080615

1.13.1 Available under license

1.14 linux-kernel 3.4.110

1.14.1 Available under license

1.15 expat 2.2.0

1.15.1 Available under license

1.16 alsa 1.0.28

1.16.1 Available under license

1.17 iproute 4.10.0

1.17.1 Available under license

1.18 libgcrypt 1.6.2

1.18.1 Available under license

1.19 gsoap 2.6

1.19.1 Available under license

1.20 mtd-utils 1.5.1

1.20.1 Available under license

1.21 dropbear 2016.74

1.21.1 Available under license

1.22 pciutils 3.1.9

1.22.1 Available under license

1.23 mtd-utils 2.0.0

1.23.1 Available under license

1.24 safestring 1.3

1.24.1 Available under license

1.25 ntpclient 2010_365

1.25.1 Available under license

1.26 duktape 2.2.0

1.26.1 Available under license

1.27 sysv-init 2.86-1

1.27.1 Available under license

1.28 sysv-init 2.88

1.28.1 Available under license

1.29 libnsl 2.21

1.29.1 Available under license

1.30 tdb 1.2.9

1.30.1 Available under license

1.31 radvd 2.17

1.31.1 Available under license

1.32 net-snmp 5.9.1

1.32.1 Available under license

1.33 libcap 2.24

- 1.33.1 Available under license
- 1.34 c-ares 1.12.0**
 - 1.34.1 Available under license
- 1.35 busybox 1.10.2**
 - 1.35.1 Available under license
- 1.36 busybox 1.23.1**
 - 1.36.1 Available under license
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 - 1.37.1 Available under license
- 1.38 iputils 20121221**
 - 1.38.1 Available under license
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 - 1.41.1 Available under license
- 1.42 libiniparser 2.0.0-rc2**
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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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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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For more information see the README file in the examples directory.

Directory native/fdlibm

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* m4/ax_func_which_gethostbyname_r.m4

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Version 3, 29 June 2007

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

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

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If you modify a copy of the Library, and, in your modifications, a

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Developed by:

LLVM Team

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Program	Directory

mach_override	lib/interception/mach_override

@node Library Copying

@appendixsec GNU LESSER GENERAL PUBLIC LICENSE

@cindex LGPL, Lesser General Public License

@center Version 2.1, February 1999

@display

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@end display

@appendixsubsec Preamble

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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.

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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.

@iftex

@appendixsubsec TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

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@ifinfo

@center GNU LESSER GENERAL PUBLIC LICENSE

@center TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

@end ifinfo

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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.

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

compute square roots.)

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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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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.

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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.

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@item

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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.

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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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@end enumerate

@iftex

@heading END OF TERMS AND CONDITIONS

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@center END OF TERMS AND CONDITIONS

@end ifinfo

@page

@appendixsubsec How to Apply These Terms to Your New Libraries

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

To apply these terms, attach the following notices to the library. It is

safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the ``copyright" line and a pointer to where the full notice is found.

@smallexample

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

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@end smallexample

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

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1.6 dropbear 2016.74

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- *
- * curve25519-donna: Curve25519 elliptic curve, public key function
- *
- * <http://code.google.com/p/curve25519-donna/>
- *
- * Adam Langley <agl@imperialviolet.org>
- *
- * Derived from public domain C code by Daniel J. Bernstein <djb@cr.yp.to>
- *
- * More information about curve25519 can be found here
- * <http://cr.yp.to/ecdh.html>
- *
- * djb's sample implementation of curve25519 is written in a special assembly
- * language called qhasm and uses the floating point registers.
- *
- * This is, almost, a clean room reimplementation from the curve25519 paper. It
- * uses many of the tricks described therein. Only the crecip function is taken
- * from the sample implementation.
- */

1.7 iptables 1.6.1

1.7.1 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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The

original code is FirewallControl.pas, released April 16, 2007.

The initial developer of the original code is Rainer Budde (<http://www.speed-soft.de>).

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1.10 curl 7.19.4

1.10.1 Available under license :

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=====

libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

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libcurl

Uses an [MIT style license](<https://curl.haxx.se/docs/copyright.html>) that is very liberal.

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c-ares

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1.11 libgpg-error 1.18

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```
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1.12 bridgeutils 1.1

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1.14 linux-kernel 3.4.110

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TI DSP/Bridge Driver - Contributors File

The DSP/Bridge project wish to thank all of its contributors, current bridge driver is the result of the work of all of them. If any name is accidentally omitted, let us know by sending a mail to omar.ramirez@ti.com or x095840@ti.com.

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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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Because

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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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1.17 iproute 4.10.0

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1.18 libgcrypt 1.6.2

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1.19 gsoap 2.6

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1.20 mtd-utils 1.5.1

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=====

curve25519-donna:

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*

* curve25519-donna: Curve25519 elliptic curve, public key function

*

* <http://code.google.com/p/curve25519-donna/>

*

* Adam Langley <agl@imperialviolet.org>

*

* Derived from public domain C code by Daniel J. Bernstein <djb@cr.yp.to>

*

* More information about curve25519 can be found here

* <http://cr.yp.to/ecdh.html>

*

* djb's sample implementation of curve25519 is written in a special assembly

* language called qhasm and uses the floating point registers.

*

* This is, almost, a clean room reimplementation from the curve25519 paper. It

* uses many of the tricks described therein. Only the crecip function is taken
* from the sample implementation.
*/

1.22 pciutils 3.1.9

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`Gnomovision' (which makes passes at compilers) written by James Hacker.

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

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1.24 safestring 1.3

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```
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*  
* October 2008, Bo Berry  
*  
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*/

```

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```
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```

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```

/*-----
* strljustify_s.c
*
* November 2008, Bo Berry
*
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*/

```

Found in path(s):

```
* /safe-lib-2-0-1-tar-gz/safe_lib_2_0/src/safe_string/strljustify_s.c
```

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```

/*-----
* mem_primitives_lib.c - Unguarded Memory Copy Routines
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* February 2005, Bo Berry
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 */

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/*-----
 * strcasestr_s.c
 *
 * November 2008, Bo Berry
 *
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 */

Found in path(s):

* /safe-lib-2-0-1-tar-gz/safe_lib_2_0/src/safe_string/strcasestr_s.c
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/*-----
 * safe_string.h
 *
 * November 2008, Bo Berry
 *
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*/

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* /safe-lib-2-0-1-tar-gz/safe_lib_2_0/include/safe_string.h

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/*-----

* strstr_s.c

*

* November 2008, Bo Berry

*

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*-----

*/

Found in path(s):

* /safe-lib-2-0-1-tar-gz/safe_lib_2_0/src/safe_string/strstr_s.c

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/*-----

* safe_mem_constraint.h

*

* October 2008, Bo Berry

*

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```

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```
* /safe-lib-2-0-1-tar-gz/safe_lib_2_0/src/safe_string/safe_mem_constraint.h
```

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```

/*-----
* stremoveviews_s.c
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*-----
*/

```

Found in path(s):

```
* /safe-lib-2-0-1-tar-gz/safe_lib_2_0/src/safe_string/stremoveviews_s.c
```

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```

/*-----
* strzero_s.c
*
* October 2008, Bo Berry
*
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*-----
*/

```

Found in path(s):

```
* /safe-lib-2-0-1-tar-gz/safe_lib_2_0/src/safe_string/strzero_s.c
```

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```

/*-----
* mem_primitives_lib.h - Unguarded Memory Copy Routines
*

```

* October 2005, Bo Berry
 *
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 *-----
 */

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* /safe-lib-2-0-1-tar-gz/safe_lib_2_0/include/mem_primitives_lib.h
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/*-----
 * strcat_s.c
 *
 * October 2008, Bo Berry
 *
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 */

Found in path(s):

* /safe-lib-2-0-1-tar-gz/safe_lib_2_0/src/safe_string/strcat_s.c
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/*-----
 * strispassword_s.c
 *
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 *

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*/

Found in path(s):

* /safe-lib-2-0-1-tar-gz/safe_lib_2_0/src/safe_string/strispassword_s.c

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/*-----

* safe_str_constraint.h

*

* October 2008, Bo Berry

*

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* /safe-lib-2-0-1-tar-gz/safe_lib_2_0/src/safe_string/safe_str_constraint.h

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/*-----

* strlastsame_s.c

*

* November 2008, Bo Berry

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* /safe-lib-2-0-1-tar-gz/safe_lib_2_0/src/safe_string/strlastsame_s.c

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/*-----

* safe_limits.h -- limits include for portability

*

* February 2009, Bo Berry

*

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* /safe-lib-2-0-1-tar-gz/safe_lib_2_0/include/safe_limits.h

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/*-----

* strlastchar_s.c

*

* November 2008, Bo Berry

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*/

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* /safe-lib-2-0-1-tar-gz/safe_lib_2_0/src/safe_string/strlastchar_s.c

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/*-----

* strcpyfldin_s.c

*

* November 2008, Bo Berry

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Found in path(s):

* /safe-lib-2-0-1-tar-gz/safe_lib_2_0/src/safe_string/strcpyfldin_s.c

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/*-----

* strncat_s.c

*

* October 2008, Bo Berry

*

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/*-----

*/

Found in path(s):

* /safe-lib-2-0-1-tar-gz/safe_lib_2_0/src/safe_string/strncat_s.c

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/*-----

* strisupercase_s.c

*

* October 2008, Bo Berry

*

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/*-----

*/

Found in path(s):

* /safe-lib-2-0-1-tar-gz/safe_lib_2_0/src/safe_string/strisupercase_s.c

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/*-----

```

* strislowercase_s.c
*
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*
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*-----
*/

```

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```

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```

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```

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* safe_types.h -- types include for portability
*
* March 2007, Bo Berry
*
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*/

```

Found in path(s):

```

* /safe-lib-2-0-1-tar-gz/safe_lib_2_0/include/safe_types.h

```

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```

/*-----
* strprefix_s.c
*

```

* November 2008, Bo Berry
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Found in path(s):

* /safe-lib-2-0-1-tar-gz/safe_lib_2_0/src/safe_string/strprefix_s.c
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* safe_lib.h -- library include for portability
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* strishex_s.c
*
* October 2008, Bo Berry
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*/

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* /safe-lib-2-0-1-tar-gz/safe_lib_2_0/src/safe_string/strishex_s.c

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```
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* strncpy_s.c  
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*-----  
*/
```

Found in path(s):

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```
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* safe_str_lib.h -- Safe C Library String APIs  
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```

```
*-----  
*/
```

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```
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* strspn_s.c  
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* November 2008, Bo Berry  
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*-----  
*/
```

Found in path(s):

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```
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* strpbrk_s.c  
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* November 2008, Bo Berry  
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*-----  
*/
```

Found in path(s):

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```
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* strtok_s.c  
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*/
```

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1.25 ntpclient 2010_365

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1.27 sysv-init 2.86-1

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The of the start-stop-daemon

- * A rewrite
- of the original Debian's start-stop-daemon Perl script
- * in C (faster - it is executed many times during system startup).
- *
- * Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
- * public domain.

1.28 sysv-init 2.88

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The of the start-stop-daemon

- * A rewrite of the original Debian's start-stop-daemon Perl script
- * in C (faster - it is executed many times during system startup).
- *
- * Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
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1.29 libnsl 2.21

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1.30 tdb 1.2.9

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1.31 radvd 2.17

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jseward@bzip.org

bzip2/libbzip2 version 1.0.4 of 20 December 2006

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free
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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.

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

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

1.40 ppp 2.4.7

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1.41 dnsmasq 2.9.1

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The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
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1.42 libiniparser 2.0.0-rc2

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

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

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

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

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