



## Open Source Used In Cisco Plug-in for OpenFlow 1.1

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

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively 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 program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>

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

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

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

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

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

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

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

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



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

BusyBox is licensed under the GNU General Public License, version 2

BusyBox is licensed under the GNU General Public License version 2, which is often abbreviated as GPLv2. (This is the same license the Linux kernel is under, so you may be somewhat familiar with it by now.)

A complete copy of the license text is included in the file LICENSE in the BusyBox source code.

Anyone thinking of shipping BusyBox as part of a product should be familiar with the licensing terms under which they are allowed to use and distribute BusyBox. Read the full text of the GPL (either through the above link, or in the file LICENSE in the busybox tarball), and also read the Frequently Asked Questions about the GPL.

Basically, if you distribute GPL software the license requires that you also distribute the source code to that GPL-licensed software. So if you distribute BusyBox without making the source code to the version you distribute available, you violate the license terms, and thus infringe on the copyrights of BusyBox. (This requirement applies whether or not you modified BusyBox; either way the license terms still apply to you.) Read the license text for the details.

A note on GPL versions

Version 2 of the GPL is the only version of the GPL which current versions of BusyBox may be distributed under. New code added to the tree is licensed GPL version 2, and the project's license is GPL version 2.

Older versions of BusyBox (versions 1.2.2 and earlier, up through about svn 16112) included variants of the recommended "GPL version 2 or (at your option) later versions" boilerplate permission grant. Ancient versions of BusyBox (before svn 49) did not specify any version at all, and section 9 of GPLv2 (the most recent version at that time) says those old versions may be redistributed under any version of GPL (including the obsolete V1). This was conceptually similar to a dual license, except that the different licenses were different versions of the GPL.

However, BusyBox has apparently always contained chunks of code that were licensed under GPL version 2 only. Examples include applets written by Linus Torvalds (`util-linux/mkfs_minix.c` and `util_linux/mkswap.c`) which stated they "may be redistributed as per the Linux copyright" (which Linus clarified in the 2.4.0-pre8 release announcement in 2000 was GPLv2 only), and Linux kernel code copied into `libbb/loop.c` (after Linus's announcement). There are probably more, because all we used to check was that the code was GPL, not which version. (Before the GPLv3 draft proceedings in 2006, it was a purely theoretical issue that didn't come up much.)

To summarize: every version of BusyBox may be distributed under the terms of GPL version 2. New versions (after 1.2.2) may only be distributed under GPLv2, not under other versions of the GPL. Older versions of BusyBox might (or might not) be distributable under other versions of the GPL. If you want to use a GPL version other than 2, you should start with one of the old versions such as release 1.2.2 or SVN 16112, and do your own homework to identify and remove any code that can't be licensed under the GPL version you want to use. New development is all GPLv2.

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### A Good Example

These days, Linksys is doing a good job at complying with the GPL, they get to be an example of how to do things right. Please take a moment and check out what they do with distributing the firmware for their WRT54G Router. Following their example would be a fine way to ensure that you have also fulfilled your licensing obligations.

## 1.5 cthrift-without-GPL-code 0.3.14

### 1.5.1 Available under license :

```
/*
 * Copyright (C) 2010 Mayan Moudgill
 *
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 * of this software and associated documentation files (the "Software"), to deal
 * in the Software without restriction, including without limitation the rights
 * to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
 * copies of the Software, and to permit persons to whom the Software is
 * furnished to do so, subject to the following conditions:
 *
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 * all copies or substantial portions of the Software.
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 * AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
 * LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
 * OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN
 * THE SOFTWARE.
 */
```

-----  
PREAMBLE

-----  
Code will be covered by GPLv2 except for code in the following subdirectories:

lib/

examples/

These will be covered under the MIT license

[only code from lib/ and examples/ used in this release]

## 1.6 glibc 2.11 :r2.6.7

### 1.6.1 Available under license :

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Version 2.1, February 1999

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less

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

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

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Version 2, June 1991

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/\*

\* hash.c: chained hash tables

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## 1.13 OpenSSL patch to 0.9.8 branch to add RFC5649 (key wrap with pad) 1.0

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```
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/* Written by Dr Stephen N Henson (steve@openssl.org) for the OpenSSL
 * project.
 * Modified by Attaullah Baig (abaig@paypal.com) to wrap/unwrap any
 * size keys (Implemented RFC5649)
 */
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## 1.15 zlib 1.2.3 :r5

### 1.15.1 Available under license :

```
/* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.3, July 18th, 2005
```

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://www.ietf.org/rfc/rfc1950.txt> (zlib format), [rfc1951.txt](http://www.ietf.org/rfc/rfc1951.txt) (deflate format) and [rfc1952.txt](http://www.ietf.org/rfc/rfc1952.txt) (gzip format).

\*/

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