



Open Source and Third-Party Software License Agreements

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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) 19yy <name of author>
```

```
This program is free software; you can redistribute it and/or modify
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any later version.
```

```
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```

```
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```

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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) 19xx 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.

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

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

That's all there is to it!

```
=====  
Perl is Copyright (C) 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001,  
2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009 by Larry Wall and others.  
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```

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▪ hunspell.....1.2.8

v

Version 2.1, February 1999

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The "UK English Wordlist With Frequency Classification" is also in the Public Domain:

Date: Sat, 08 Jul 2000 20:27:21 +0100
From: Brian Kelk <Brian.Kelk@cl.cam.ac.uk>

> I was wondering what the copyright status of your "UK English
> Wordlist With Frequency Classification" word list as it seems to
> be lacking any copyright notice.

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Date: Tue, 11 Jul 2000 19:31:34 +0100

> So are you saying your word list is also in the public domain?

That is the intention.

The 20 level includes frequency classes 7-15 from Brian's word list.

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The 50 level includes Brian's frequency class 1, words words appearing in at least 5 of 12 of the dictionaries as indicated in the 12Dicts package, and uppercase words in at least 4 of the previous 12 dictionaries. A decent number of proper names is also included: The top 1000 male, female, and Last names from the 1990 Census report; a list of names sent to me by Alan Beale; and a few names that I added myself. Finally a small list of abbreviations not commonly found in other word lists is included.

The name files from the Census report is a government document which I don't think can be copyrighted.

The file special-jargon.50 uses common.lst and word.lst from the "Unofficial Jargon File Word Lists" which is derived from "The Jargon File". All of which is in the Public Domain. This file also contain a few extra UNIX terms which are found in the file "unix-terms" in the special/ directory.

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The 70 level includes the 74,550 common dictionary words and the 21,986 names list from the MWords package The common dictionary words, like those from the 12Dicts package, have had all likely inflections added. The 70 level also included the 5desk list from version 4.0 of the 12Dics package which is the public domain

The 80 level includes the ENABLE word list, all the lists in the ENABLE supplement package (except for ABLE), the "UK Advanced Cryptics Dictionary" (UKACD), the list of signature words in from YAWL package, and the 10,196 places list from the MWords package.

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The 95 level includes the 354,984 single words and 256,772 compound words from the MWords package, ABLE.LST from the ENABLE Supplement, and some additional words found in my part-of-speech database that were not found anywhere else.

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My VARCON package was used to create the American, British, and Canadian word list.

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- openssh-clients.....5.3p1
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```
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*
* Optimised ANSI C code for the Rijndael cipher (now AES)
```

```

*
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.5 of 10 December 2007

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- pam.....1.1.1
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```
<one line to give the program's name and a brief idea of what it does.>
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```

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```
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```

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```
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```

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

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```

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```

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

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```
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```

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```
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```

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

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

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

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively 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) 19yy <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.
```

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

```
You should have received a copy of the GNU General Public License  
along with this program; if not, write to the Free Software  
Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
```

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

If the program is interactive, make it output a short notice like this

when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) 19yy 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.

=====

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Version 2, June 1991

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Preamble

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

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

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

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

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

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

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

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

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

- a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
- b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
- c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under

these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

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

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

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

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

- a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
- b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
- c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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

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

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

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

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

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

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

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively 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) 19yy <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.
```

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

```
You should have received a copy of the GNU General Public License  
along with this program; if not, write to the Free Software  
Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
```

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

If the program is interactive, make it output a short notice like this

when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) 19yy 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.

=====

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Version 2, June 1991

```
Copyright (C) 1991 Free Software Foundation, Inc.
      59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.
```

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

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.

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

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

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

threshold for this to be true is not precisely defined by law.

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

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

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

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

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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

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/*

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- kernel-firmware.....2.6.32

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This file attempts to document the origin and licensing information, if known, for each piece of firmware distributed for use with the Linux kernel.

Driver: ambassador -- Madge Ambassador (Collage PCI 155 Server) ATM NIC.

File: firmware/atmsar11.fw

Licence: Allegedly GPLv2+, but no source visible. Marked:

Madge Ambassador ATM Adapter microcode.
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Driver: korg1212 -- Korg 1212 IO audio device

File: korg/k1212.dsp

Licence: Unknown

Found in alsa-firmware package in hex form; no licensing information.

Driver: maestro3 -- ESS Allegro Maestro3 audio device

File: ess/maestro3_assp_kernel.fw

File: ess/maestro3_assp_minisrc.fw

Licence: Unknown

Found in alsa-firmware package in hex form with a comment claiming to be GPLv2+, but without source -- and with another comment saying "ESS drops binary dsp code images on our heads, but we don't get to see specs on the dsp."

Driver: ymfpci -- Yamaha YMF724/740/744/754 audio devices

File: yamaha/dsl_ctrl.fw

File: yamaha/dsl_dsp.fw

File: yamaha/dsle_ctrl.fw

Licence: Unknown

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Driver: SCSI_ADVANSYS - AdvanSys SCSI

File: advansys/mcode.bin

File: advansys/3550.bin

File: advansys/38C0800.bin

File: advansys/38C1600.bin

Licence: BSD, no source available.

Found in hex form in kernel source.

Driver: SCSI_QLOGIC_1280 - Qlogic QLA 1240/lx80/lx160 SCSI support

File: qlogic/1040.bin

File: qlogic/1280.bin

File: qlogic/12160.bin

Licence: Allegedly GPLv2+, but no source visible. Marked:

QLOGIC LINUX SOFTWARE

QLogic ISP1280/ device driver for Linux 2.2.x and 2.4.x

Copyright (C) 2001 Qlogic Corporation (www.qlogic.com)

Driver: smctr -- SMC ISA/MCA Token Ring adapter

File: tr_smctr.bin

Info: MCT.BIN v6.3C1 03/01/95

Original licence info:

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- * with the use of SMC TokenRing adapters. There is no warranty
- * expressed or implied about its fitness for any purpose.

Driver: kaweth -- USB KLSI KL5USB101-based Ethernet device

File: kaweth/new_code.bin

File: kaweth/new_code_fix.bin

File: kaweth/trigger_code.bin

File: kaweth/trigger_code_fix.bin

Licence: Unknown

Found in hex form in the kernel source.

Driver: ttusb-budget -- Technotrend/Hauppauge Nova-USB devices

File: ttusb-budget/dspbootcode.bin

Licence: Unknown

Found in hex form in the kernel source.

Driver: keyspan -- USB Keyspan USA-xxx serial device

File: keyspan/mpwr.fw

File: keyspan/usa18x.fw

File: keyspan/usa19.fw

File: keyspan/usa19qi.fw

File: keyspan/usa19qw.fw

File: keyspan/usa19w.fw

File: keyspan/usa28.fw

File: keyspan/usa28xa.fw

File: keyspan/usa28xb.fw

File: keyspan/usa28x.fw

File: keyspan/usa49w.fw

File: keyspan/usa49wlc.fw

Converted from Intel HEX files, used in our binary representation of ihex.

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Driver: keyspan_pda -- USB Keyspan PDA single-port serial device

File: keyspan_pda/keyspan_pda.fw

Source: keyspan_pda/keyspan_pda.S

File: keyspan_pda/xircom_pgs.fw

Source: keyspan_pda/xircom_pgs.S

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Compiled from original 8051 source into Intel HEX, used in our binary ihex form.

Driver: emi26 -- EMI 2|6 USB Audio interface

File: emi26/bitstream.fw

Info: VERSION=1.1.1.131 DATE=2001dec06

File: emi26/firmware.fw

Info: VERSION=1.0.2.916 DATE=12.02.2002

File: emi26/loader.fw

Converted from Intel HEX files, used in our binary representation of ihex.

Original licence information:

```
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 * requires the inclusion of this statement.
 */
```

Driver: emi62 -- EMI 6|2m USB Audio interface

File: emi62/bitstream.fw

Info: VERSION=1.0.0.191 DATE= 2002oct28

File: emi62/loader.fw

Source: EMILOAD.HEX

Info: VERSION=1.0.2.002 DATE=10.01.2002

File: emi62/midi.fw

Source: EMI62MFW.HEX

Info: VERSION=1.04.062 DATE=16.10.2002

File: emi62/spdif.fw

Source: EMI62SFW.HEX

Info: VERSION=1.04.062 DATE=16.10.2002

Converted from Intel HEX files, used in our binary representation of ihex.

Original licence information: None

Driver: ti_usb_3410_5052 -- USB TI 3410/5052 serial device

File: ti_3410.fw

Info: firmware 9/10/04 FW3410_Special_StartWdogOnStartPort

File: ti_5052.fw

Info: firmware 9/18/04

Licence: Allegedly GPLv2+, but no source visible. Marked:

Copyright (C) 2004 Texas Instruments

Found in hex form in kernel source.

Driver: ti_usb_3410_5052 -- Multi-Tech USB cell modems

File: mts_cdma.fw

File: mts_gsm.fw

File: mts_edge.fw

Licence: "all firmware components are redistributable in binary form"

per support@multitech.com

Copyright (C) 2005 Multi-Tech Systems, Inc.

Found in hex form in ftp://ftp.multitech.com/wireless/wireless_linux.zip

Driver: whiteheat -- USB ConnectTech WhiteHEAT serial device

File: whiteheat.fw

Version: 4.06

File: whiteheat_loader.fw

File: whiteheat_loader_debug.fw

Licence: Allegedly GPLv2, but no source visible. Marked:

Copyright (C) 2000-2002 ConnectTech Inc

Debug loader claims the following behaviour:

Port 1 LED flashes when the vend_ax program is running

Port 2 LED flashes when any SETUP command arrives

Port 3 LED flashes when any valid VENDOR request occurs

Port 4 LED flashes when the EXTERNAL RAM DOWNLOAD request occurs

Converted from Intel HEX files, used in our binary representation of ihex.

Driver: ip2 -- Computone IntelliPort Plus serial device

File: intelliport2.bin

Licence: Unknown

Found in hex form in kernel source.

Driver: CPiA2 -- cameras based on Vision's CPiA2

File: cpia2/stv0672_vp4.bin

Licence: Allegedly GPLv2+, but no source visible. Marked:

Copyright (C) 2001 STMicroelectronics, Inc.

Contact: steve.miller@st.com

Description: This file contains patch data for the CPiA2 (stv0672) VP4.

Found in hex form in kernel source.

Driver: DABUSB -- Digital Audio Broadcasting (DAB) Receiver for USB and Linux

File: dabusb/firmware.fw

File: dabusb/bitstream.bin

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Driver: USB_VICAM -- USB 3com HomeConnect (aka vicam)

File: vicam/firmware.fw

Licence: Unknown

Found in hex form in kernel source.

Driver: USB_SERIAL_EDGEPORT - USB Inside Out Edgeport Serial Driver

File: edgeport/boot.fw

File: edgeport/boot2.fw

File: edgeport/down.fw

File: edgeport/down2.fw

Licence: Allegedly GPLv2+, but no source visible. Marked:

```
/*  
*****  
/* Edgeport/4 Binary Image  
/* Generated by HEX2C v1.06  
/* Copyright (C) 1998 Inside Out Networks, All rights reserved.  
*****  
*/
```

Found in hex form in kernel source.

Driver: USB_SERIAL_EDGEPORT_TI - USB Inside Out Edgeport Serial Driver
(TI Devices)

File: edgeport/down3.bin

Licence:

```
/*  
/* Edgeport Binary Image (for TI based products)  
/* Generated by TIBin2C v2.00 (watchport)  
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*/
```

Found in hex form in kernel source.

Driver: ATARI_DSP56K - Atari DSP56k support

File: dsp56k/bootstrap.bin
Source: dsp56k/bootstrap.asm

Licence: GPLv2 or later

DSP56001 assembler, possibly buildable with a56 from
<http://www.zdomain.com/a56.html>

Driver: SND_SB16_CSP - Sound Blaster 16/AWE CSP support

File: sb16/mulaw_main.csp
File: sb16/alaw_main.csp
File: sb16/ima_adpcm_init.csp
File: sb16/ima_adpcm_playback.csp

File: sb16/ima_adpcm_capture.csp

Licence: Allegedly GPLv2+, but no source visible. Marked:

```
/*  
 * Copyright (c) 1994 Creative Technology Ltd.  
 * Microcode files for SB16 Advanced Signal Processor  
 */
```

Found in hex form in kernel source.

Driver: CASSINI - Sun Cassini

File: sun/cassini.bin

Licence: Unknown

Found in hex form in kernel source.

Driver: cxgb3 - Chelsio Terminator 3 1G/10G Ethernet adapter

File: cxgb3/t3b_psrpm-1.1.0.bin.ihex

File: cxgb3/t3c_psrpm-1.1.0.bin.ihex

file: cxgb3/t3fw-7.4.0.bin.ihex

License: GPLv2 or OpenIB.org BSD license, no source visible

Driver: cxgb3 - Chelsio Terminator 3 1G/10G Ethernet adapter

File: cxgb3/ael2005_opt_edc.bin.ihex

File: cxgb3/ael2005_twx_edc.bin.ihex

File: cxgb3/ael2020_twx_edc.bin.ihex

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Driver: e100 -- Intel PRO/100 Ethernet NIC

File: e100/d101m_ucose.bin

File: e100/d101s_ucose.bin

File: e100/d102e_ucose.bin

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Found in hex form in kernel source.

Driver: acenic -- Alteon AceNIC Gigabit Ethernet card

File: acenic/tg1.bin

File: acenic/tg2.bin

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Found in hex form in kernel source, but source allegedly available at
<http://alteon.shareable.org/>

Driver: tigon3 -- Broadcom Tigon3 based gigabit Ethernet cards

File: tigon/tg3.bin

File: tigon/tg3_tso.bin

File: tigon/tg3_tso5.bin

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Driver: ADAPTEC_STARFIRE - Adaptec Starfire/DuraLAN support

File: adaptec/starfire_rx.bin

File: adaptec/starfire_tx.bin

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Driver: TEHUTI - Tehuti Networks 10G Ethernet

File: tehuti/bdx.bin

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Driver: TYPHOON - 3cr990 series Typhoon

File: 3com/typhoon.bin

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Found in hex form in kernel source.

Driver: YAM - YAM driver for AX.25

File: yam/1200.bin

File: yam/9600.bin

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Found in hex form in kernel source.

Driver: 3C359 - 3Com 3C359 Token Link Velocity XL adapter

File: 3com/3C359.bin

Licence:

/*

* The firmware this driver downloads into the tokenring card is a
* separate program and is not GPL'd source code, even though the Linux
* side driver and the routine that loads this data into the card are.

*

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* warranty expressed or implied about its fitness for any purpose.

*/

```
/* 3c359_microcode.mac: 3Com 3C359 Tokenring microcode.  
*  
* Notes:  
* - Loaded from xl_init upon adapter initialization.  
*  
* Available from 3Com as part of their standard 3C359 driver.  
*/
```

Found in hex form in kernel source.

Driver: PCMCIA_PCNET - NE2000 compatible PCMCIA adapter

File: cis/LA-PCM.cis
 cis/PCMLM28.cis
 cis/DP83903.cis
 cis/NE2K.cis
 cis/tamarack.cis
 cis/PE-200.cis

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Driver: PCMCIA_3C589 - 3Com PCMCIA adapter

File: cis/3CXEM556.cis

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Driver: PCMCIA_3C574 - 3Com PCMCIA adapter

File: cis/3CCFEM556.cis

Licence: GPL

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Driver: SERIAL_8250_CS - Serial PCMCIA adapter

File: cis/MT5634ZLX.cis
 cis/RS-COM-2P.cis
 cis/COMpad2.cis
 cis/COMpad4.cis
 cis/SW_555_SER.cis
 cis/SW_7xx_SER.cis
 cis/SW_8xx_SER.cis

Licence: GPL

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Driver: PCMCIA_SMC91C92 - SMC 91Cxx PCMCIA

File: ositech/Xilinx7OD.bin

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Found in hex form in kernel source.

Driver: SCSI_QLOGICPTI - PTI Qlogic, ISP Driver

File: qlogic/isp1000.bin

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Driver: MYRI_SBUS - MyriCOM Gigabit Ethernet

File: myricom/lanai.bin

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Driver: bnx2x: Broadcom Everest

File: bnx2x/bnx2x-e1-6.2.9.0.fw

File: bnx2x/bnx2x-elh-6.2.9.0.fw

File: bnx2x/bnx2x-e2-6.2.9.0.fw

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Driver: BNX2 - Broadcom NetXtremeII

File: bnx2/bnx2-mips-06-6.2.1.fw
File: bnx2/bnx2-rv2p-06-6.0.15.fw
File: bnx2/bnx2-mips-09-6.2.1a.fw
File: bnx2/bnx2-rv2p-09-6.0.17.fw
File: bnx2/bnx2-rv2p-09ax-6.0.17.fw

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Driver: DVB AV7110 -- AV7110 cards

File: av7110/bootcode.bin

Licence: GPLv2 or later

ARM assembly source code available at <http://www.linuxtv.org/downloads/firmware/Boot.S>

Driver: wavefront - ISA WaveFront sound card

File: yamaha/yss225_registers.bin

Licence: Allegedly GPLv2+, but no source visible.

Found in hex form in kernel source, with the following comment:

Copyright (c) 1998-2002 by Paul Davis <pbdd@op.net>

Driver: mga - Matrox G200/G400/G550

File: matrox/g200_warp.fw

File: matrox/g400_warp.fw

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Driver: r128 - ATI Rage 128

File: r128/r128_cce.bin

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Found in decimal form in kernel source.

Driver: radeon - ATI Radeon

File: radeon/R100_cp.bin

File: radeon/R200_cp.bin

File: radeon/R300_cp.bin

File: radeon/R420_cp.bin

File: radeon/RS600_cp.bin

File: radeon/RS690_cp.bin

File: radeon/R520_cp.bin

File: radeon/R600_pfp.bin

File: radeon/R600_me.bin

File: radeon/RV610_pfp.bin

File: radeon/RV610_me.bin

File: radeon/RV630_pfp.bin
File: radeon/RV630_me.bin
File: radeon/RV620_pfp.bin
File: radeon/RV620_me.bin
File: radeon/RV635_pfp.bin
File: radeon/RV635_me.bin
File: radeon/RV670_pfp.bin
File: radeon/RV670_me.bin
File: radeon/RS780_pfp.bin
File: radeon/RS780_me.bin
File: radeon/RV770_pfp.bin
File: radeon/RV770_me.bin
File: radeon/RV730_pfp.bin
File: radeon/RV730_me.bin
File: radeon/RV710_pfp.bin
File: radeon/RV710_me.bin

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Driver: ib_qib - QLogic Infiniband

File: qlogic/sd7220.fw

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Driver: netxen_nic - NetXen Multi port (1/10) Gigabit Ethernet NIC

File: phanfw-4.0.588.bin

Info: v4.0.588

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Found in hex form in kernel source.

Driver: r8169 - RealTek 8169/8168/8101 ethernet driver.

File: rtl_nic/rtl8168d-1.fw

File: rtl_nic/rtl8168d-2.fw

File: rtl_nic/rtl8105e-1.fw

File: rtl_nic/rtl8168e-1.fw

File: rtl_nic/rtl8168e-2.fw

File: rtl_nic/rtl8168e-3.fw

Version: 0.0.4

File: rtl_nic/rtl8168f-1.fw

Version: 0.0.5

File: rtl_nic/rtl8168f-2.fw

Version: 0.0.4

File: rtl_nic/rtl8411-1.fw

Version: 0.0.3

File: rtl_nic/rtl8411-2.fw

Version: 0.0.1

File: rtl_nic/rtl8402-1.fw

Version: 0.0.1

File: rtl_nic/rtl8106e-1.fw

Version: 0.0.1

File: rtl_nic/rtl8106e-2.fw

Version: 0.0.1

File: rtl_nic/rtl8168g-1.fw

Version: 0.0.3

File: rtl_nic/rtl8168g-2.fw

Version: 0.0.1

File: rtl_nic/rtl8168g-3.fw

Version: 0.0.1

File: rtl_nic/rtl8168h-1.fw

Version: 0.0.1

File: rtl_nic/rtl8168h-2.fw

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File: rtl_nic/rtl8107e-1.fw

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File: rtl_nic/rtl8107e-2.fw

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Driver: iwlwifi - Intel Wireless Wifi

File: iwlwifi-6000g2a-6.ucode

Info: v18.168.6.1

File: iwlwifi-6000g2b-6.ucode

Info: v18.168.6.1

File: iwlwifi-135-6.ucode

Info: v18.168.6.1

File: iwlwifi-105-6.ucode

Info: v18.168.6.1

File: iwlwifi-2030-6.ucode

Info: v18.168.6.1

File: iwlwifi-2000-6.ucode

Info: v18.168.6.1

File: iwlwifi-7260-7.ucode

Version: 22.1.7.0

File: iwlwifi-7260-9.ucode

Version: 25.228.9.0

File: iwlwifi-7260-10.ucode

Version: 23.15.10.0

File: iwlwifi-7260-12.ucode

Version: 25.17.12.0

File: iwlwifi-3160-7.ucode

Version: 22.1.7.0

File: iwlwifi-3160-9.ucode

Version: 25.228.9.0

File: iwlwifi-3160-10.ucode

Version: 23.15.10.0

File: iwlwifi-3160-12.ucode

Version: 25.17.12.0

File: iwlwifi-7265-9.ucode

Version: 25.228.9.0

File: iwlwifi-7265-10.ucode

Version: 23.15.10.0

File: iwlwifi-7265-12.ucode

Version: 25.17.12.0

File: iwlwifi-7265D-10.ucode

Version: 23.15.10.0

File: iwlwifi-7265D-12.ucode

Version: 25.17.12.0

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Also available from <http://intellinuxwireless.org/?n=Downloads>

Driver: myri10ge - Myri10GE 10GbE NIC driver

File: myri10ge_eth_z8e.dat

File: myri10ge_ethp_z8e.dat

File: myri10ge_rss_eth_z8e.dat

File: myri10ge_rss_ethp_z8e.dat

Info: v1.4.52

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Driver: rt2800pci - Ralink RT2860, RT2890, RT3090, RT3290, RT5390 wireless MACs

File: rt2860.bin

File: rt3290.bin

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Binary file supplied by Shiang Tu <shiang_tu@ralinktech.com>. Firmware Version 34
rt3290.bin is a specific firmware support the RT3290 chip. Firmware Version 37

Driver: rt2800usb - Ralink RT2870, RT3070, RT3071, RT3072, RT5370 wireless MACs

File: rt2870.bin

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Binary file supplied by Shiang Tu <shiang_tu@ralinktech.com>. Firmware Version 29

Driver: brcmsmac - Broadcom 802.11n softmac wireless LAN driver.

File: brcm/bcm43xx-0.fw

File: brcm/bcm43xx_hdr-0.fw

Version: 610.812

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Driver: carl9170 -- Atheros AR9170 802.11 draft-n USB driver

File: carl9170-1.fw

Version: 1.9.6

Source: carl9170fw/

Downloaded from <http://linuxwireless.org/en/users/Drivers/carl9170>

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Driver: ath9k_htc - Atheros HTC devices (USB)

File: htc_9271.fw

Version: 1.3

File: htc_7010.fw

Version: 1.3

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However, I (Ben) reworked the MAC-VLAN code extensively, including re-writing all of the locking code. So, any complaints & bugs should come to me.

--Ben Greear (greearb@candelatech.com)
<http://www.candelatech.com/~greear>

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sysstat: System performance tools for the Linux operating system...
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(C) 1999-2009 Sebastien Godard (sysstat <at> orange.fr)

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lnstat - linux networking statistics
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2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
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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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The rsyslog package contains several components:

- the rsyslog core programs (like rsyslogd)
- plugins (like imklog, omrelp, ...)
- the rsyslog runtime library

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lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c

lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

include/iprop_hdr.h

kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplog.c

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