

Siemens Third-Party Software Disclosure Document

1	Products:	CP 1242-7 GPRS V2	(6GK7242-7KX31-0XE0) (6AG1242-7KX31-7wXE0)
		CP 1243-7 LTE-EU	(6GK7243-7KX30-0XE0)
		CP 1243-7 LTE-US	(6GK7243-7SX30-0XE0)

2 English / English

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3 German / Deutsch

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4 Chinese / 中文

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5 Spanish / Español

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6 French / Français

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7 Italian / Italiano

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8 Japanese / 日本語

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9 Russian / Русский

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

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

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

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

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

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

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

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

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

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

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

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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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(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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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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- 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.)

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

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

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

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

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

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- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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

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

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

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

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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.

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

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

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

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

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

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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.)

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

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

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

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

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

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

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

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

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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.

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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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(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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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Version 2, June 1991

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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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(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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* Modifications by Daniel M. Eischen (deischen@iworks.InterWorks.org):

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* Substantially modified to include support for wide and twin bus adapters, DMAing of SCBs, tagged queueing, IRQ sharing, bug fixes, SCB paging, and other rework of the code.

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* ntddndis.h modified by Benedikt Spranger <b.spranger@pengutronix.de>

*

* Thanks to the cygwin development team,
* especially to Casper S. Hornstrup <chorns@users.sourceforge.net>

*

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**

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

File: firmware/atmsar11.fw

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 Driver: korg1212 -- Korg 1212 IO audio device

File: korg/k1212.dsp

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 Driver: maestro3 -- ESS Allegro Maestro3 audio device

File: ess/maestro3_ assp_kernel.fw

File: ess/maestro3_ assp_minisrc.fw

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File: yamaha/ds1_ctrl.fw

File: yamaha/ds1_dsp.fw

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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

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Found in hex form in kernel source.

 Driver: SCSI_QLOGIC_1280 - Qlogic QLA 1240/1x80/1x160 SCSI support

File: qllogic/1040.bin

File: qllogic/1280.bin

File: qllogic/12160.bin

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QLOGIC LINUX SOFTWARE

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

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 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/mpr.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
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 keyspan.c driver which includes this firmware, in whole or in
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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
 Licence: GPLv2+
 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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 */
```

 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: 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
 Licence: Distributable
 * Copyright (C) 1999 BayCom GmbH
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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:
/*
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* 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
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-----
Driver: cxgb3 - Chelsio Terminator 3 1G/10G Ethernet adapter
File: cxgb3/acl2005_opt_edc.bin.ihex
File: cxgb3/acl2005_twx_edc.bin.ihex
File: cxgb3/acl2020_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
Licence: Unknown
Found in hex form in kernel source.

-----
Driver: acenic -- Alteon AceNIC Gigabit Ethernet card
File: acenic/tg1.bin
File: acenic/tg2.bin
Licence: Unknown
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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 */
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 Driver: YAM - YAM driver for AX.25
 File: yam/1200.bin
 File: yam/9600.bin
 Licence:
 * (C) F6FBB 1998
 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
 cis/PE520.cis
 Licence: GPL
 Originally developed by the pcmcia-cs project

 Driver: PCMCIA_3C589 - 3Com PCMCIA adapter
 File: cis/3CXEM556.cis
 Licence: GPL
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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
 Originally developed by the pcmcia-cs project

 Driver: PCMCIA_SMC91C92 - SMC 91Cxx PCMCIA
 File: ositech/Xilinx7OD.bin
 Licence: Allegedly GPL, but no source visible. Marked:
 This file contains the firmware of Seven of Diamonds from OSITECH.
 (Special thanks to Kevin MacPherson of OSITECH)
 Found in hex form in kernel source.

 Driver: SCSI_QLOGICPTI - PTI Qlogic, ISP Driver
 File: qllogic/isp1000.bin
 Licence: Unknown
 Found in hex form in kernel source.

 Driver: MYRI_SBUS - MyriCOM Gigabit Ethernet
 File: myricom/lanai.bin
 Licence: Unknown
 Found in hex form in kernel source.

 Driver: bnx2x: Broadcom Everest
 File: bnx2x/bnx2x-e1-6.2.9.0.fw
 File: bnx2x/bnx2x-e1h-6.2.9.0.fw
 File: bnx2x/bnx2x-e2-6.2.9.0.fw
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 Driver: BNx2 - Broadcom NetXtremell
 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
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 Driver: DVB AV7110 -- AV7110 cards
 File: av7110/bootcode.bin
 Licence: GPLv2 or later
 ARM assembly source code available at <https://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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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: qllogic/sd7220.fw

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*
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Version 2.1, February 1999

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Version 2, June 1991

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5. [6]Michael Barone GPSVME fixes
6. [7]Karl Berry syslog to file option
7. [8]Greg Brackley Major rework of WINNT port. Clean up rcvbuf and iosignal code into separate modules.
8. [9]Marc Brett Magnavox GPS clock driver
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22. [23]Glenn Hollinger GOES clock driver
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=====*/
#include <stdio.h>
#include <string.h>
#include <

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At least you need two steps: generating the key & request and then installing the certificate. A real world CA would have some more steps involved, eg. accepting some license. Note that both scripts shown below are just experimental state without any warrenty!

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This license change was announced on the 18th of August 2010 by Wim Coekaerts, on behalf of Oracle America. Reasons for the change can be found on his blog, [http://blogs.sun.com/webmink/entry/old\\_code\\_and\\_old\\_licenses](http://blogs.sun.com/webmink/entry/old_code_and_old_licenses)

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The initial license problem was known over the years, as the initial Sun RPC license being non-free and incompatible with the GPL.

According to Wim Coekaert's, Oracle America VP, blog:

Relicensed

On Saturday I was able to tell Europe's Free Software developers that the licenses on the RPC code are no longer a barrier to Free software - we'll change the license to Sun's copyrights in the RPC code to a standard 3-clause BSD



license, allowing inheritance of that licensing by both Debian and Fedora. I'm delighted to have been able to fix this problem, which arose not because of failure but because of the success of software freedom over many years and because of Sun's early commitment to it.

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

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

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

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

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

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

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

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

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

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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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- 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.

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

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

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

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the



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

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

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

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

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

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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

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

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- b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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Version 2, June 1991

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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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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:

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

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

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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.

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

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

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

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

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

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

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

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

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

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This license change was announced on the 18th of August 2010 by Wim Coekaerts, on behalf of Oracle America. Reasons for the change can be found on his blog, [http://blogs.sun.com/webmink/entry/old\\_code\\_and\\_old\\_licenses](http://blogs.sun.com/webmink/entry/old_code_and_old_licenses)

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The initial license problem was known over the years, as the initial Sun RPC license being non-free and incompatible with the GPL.

According to Wim Coekaert's, Oracle America VP, blog:

Relicensed

On Saturday I was able to tell Europe's Free Software developers that the licenses on the RPC code are no longer a barrier to Free software - we'll change the license to Sun's copyrights in the RPC code to a standard 3-clause BSD license, allowing inheritance of that licensing by both Debian and Fedora. I'm delighted to have been able to fix this problem, which arose not because of failure but because of the success of software freedom over many years and because of Sun's early commitment to it.

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