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# 5.2.1

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# **Contents**

1.1 acl 2.2.39:1.1

1.1.1 Available under license

1.2 acpid 1.0.6:7.fc9

1.2.1 Available under license

1.3 AES MODES SOURCE CODE 23-07-09

1.3.1 Available under license

1.4 alsa-lib 1.0.16 :3.fc9

1.4.1 Available under license

1.5 alsa-utils 1.0.16 :2.fc9

1.5.1 Available under license

1.6 at 3.1.10 :11.fc7

1.6.1 Available under license

1.7 atk 1.22.0 :1.fc9

1.7.1 Available under license

1.8 attr 2.4.43 :1.fc10

1.8.1 Available under license

1.9 audit 1.7.17 :3.el5

1.9.1 Available under license

1.10 audit 1.7.17 :3.el5

1.10.1 Available under license

1.11 audit 1.7.2 :6.fc9

1.11.1 Available under license

1.12 bind 9.5.0 :29.b2.fc9

1.12.1 Available under license

1.13 boa 0.94.13

1.13.1 Available under license

1.14 boa 0.94.13

1.14.1 Available under license

1.15 busybox 1.1.11

1.15.1 Available under license

1.16 busybox 1.1.11

1.16.1 Available under license

1.17 busybox 1.1.11

1.17.1 Available under license

1.18 cairo 1.4.14 :1.fc8

1.18.1 Available under license

1.19 chkconfig 1.3.34 :1

1.19.1 Available under license

1.20 chkconfig 1.3.34:1

1.20.1 Available under license

1.21 chkconfig 1.3.34:1

1.21.1 Available under license

1.22 coreutils 6.9 :2.fc7

1.22.1 Available under license

1.23 coreutils 6.9:2.fc7

1.23.1 Available under license

1.24 curl 7.18.1 :1.fc9

1.24.1 Available under license

1.25 db4 4.6.21 :5.fc9

1.25.1 Available under license

1.26 directfb 1.0.0 :4.fc9

1.26.1 Available under license

1.27 dropbear 0.49

1.27.1 Available under license

1.28 **Dropbear SSH 0.51** 

1.28.1 Available under license

1.29 Dropbear SSH 0.51

1.29.1 Available under license

# 1.30 Dropbear SSH 0.51

1.30.1 Available under license

# 1.31 e2fsprogs 1.40.8 :2.fc9

1.31.1 Available under license

# 1.32 e2fsprogs 1.39 :23.el5

1.32.1 Available under license

## 1.33 e2fsprogs 1.39 :23.el5

1.33.1 Available under license

# 1.34 e2fsprogs 1.39 :23.el5

1.34.1 Available under license

# 1.35 eject 2.1.5 :5

1.35.1 Available under license

# 1.36 eject 2.1.5 :5

1.36.1 Available under license

#### 1.37 elfutils 0.108:1

1.37.1 Available under license

# 1.38 expat 1.95.8 :3.0.0.0801182

1.38.1 Available under license

#### 1.39 expat 2.0.1 :5

1.39.1 Available under license

#### 1.40 fbset 2.1 :25.fc9

1.40.1 Available under license

#### 1.41 file 4.23 :5.fc9

1.41.1 Available under license

## 1.42 findutils 4.2.31 :3.fc9

1.42.1 Available under license

#### 1.43 findutils 4.2.31 :3.fc9

1.43.1 Available under license

# 1.44 flex 2.5.35 :1.fc9

1.44.1 Available under license

### 1.45 fontconfig 2.5.0 :2.fc9

1.45.1 Available under license

# 1.46 freetype 2.3.5 :4.fc9

1.46.1 Available under license

#### 1.47 gcc 4.3.2

1.47.1 Available under license

1.48 gcc 4.3.2

1.48.1 Available under license

1.49 gcc 4.3.2

1.49.1 Available under license

1.50 GDB 6.6

1.50.1 Available under license

1.51 glib2 2.16.3 :5.fc9

1.51.1 Available under license

1.52 glibc 2.5:49

1.52.1 Available under license

1.53 glibc-ports 2.5

1.53.1 Available under license

1.54 glibc-ports 2.5

1.54.1 Available under license

**1.55 glibc-ports 2.5** 

1.55.1 Available under license

1.56 glibc\_localedef 2.8

1.56.1 Available under license

1.57 glibc\_localedef 2.8

1.57.1 Available under license

1.58 gtk-doc 1.9 :4.fc9

1.58.1 Available under license

1.59 gtk2 2.12.9 :5.fc9

1.59.1 Available under license

1.60 hotplug 2004\_09\_23

1.60.1 Available under license

1.61 initscripts 8.76 :1

1.61.1 Available under license

1.62 ipsec-tools 0.7 :13.fc9

1.62.1 Available under license

1.63 iptables 1.4.0 :4.fc9

1.63.1 Available under license

1.64 kernel-linux 2.6.27

1.64.1 Available under license

1.65 krb5 1.6.1 :25.el5

1.65.1 Available under license

1.66 krb5 1.6.1 :36.el5\_4.1

1.66.1 Available under license

1.67 krb5 1.6.1 :36.el5

1.67.1 Available under license

1.68 krb5 1.6.1 :25.el5

1.68.1 Available under license

1.69 krb5 1.6.1 :36.el5 4.1

1.69.1 Available under license

1.70 krb5 1.6.1 :36.el5

1.70.1 Available under license

1.71 krb5 1.6:3

1.71.1 Available under license

1.72 krb5 sendpr 1.6.1

1.72.1 Available under license

1.73 krb5 sendpr 1.6.1

1.73.1 Available under license

1.74 libaudiofile 0.2.4 :1.0.0.0501961

1.74.1 Available under license

1.75 libaudiofile - programs 0.2.4 :1.0.0.0501961

1.75.1 Available under license

1.76 libcap 2.10 :2.fc10

1.76.1 Available under license

1.77 libcap 2.10 :2.fc10

1.77.1 Available under license

1.78 libjpeg 6b :41.fc9

1.78.1 Notifications

1.78.2 Available under license

1.79 libpng 1.2.24 :1.fc9

1.79.1 Available under license

1.80 libpng 1.2.24 :1.fc9

1.80.1 Available under license

1.81 libpng 1.2.24 :1.fc9

1.81.1 Available under license

1.82 libtermcap 2.0.8:46.1

1.82.1 Available under license

1.83 libtiff 3.8.2 :10.fc9

1.83.1 Available under license

1.84 libtiff 3.8.2 :10.fc9

1.84.1 Available under license

1.85 libusb 0.1.12 :15.fc9

1.85.1 Available under license

#### 1.86 linux-live 5.5.0

1.86.1 Available under license

# 1.87 linux-live 5.5.0

1.87.1 Available under license

# 1.88 logrotate 3.7.4 :7

1.88.1 Available under license

## 1.89 logrotate 3.7.4 :7

1.89.1 Available under license

#### 1.90 Isof 4.78 :5.fc7

1.90.1 Notifications

1.90.2 Available under license

#### 1.91 Itrace 0.5.1

1.91.1 Available under license

#### 1.92 Itrace 0.5.1

1.92.1 Available under license

#### 1.93 Itrace 0.5.1

1.93.1 Available under license

#### 1.94 MAKEDEV 3.23:1.2

1.94.1 Available under license

#### 1.95 MAKEDEV 3.23 :1.2

1.95.1 Available under license

#### 1.96 mcstrans 0.2.5 :1.fc7

1.96.1 Available under license

# 1.97 memstat 0.4

1.97.1 Available under license

## 1.98 memstat 0.4

1.98.1 Available under license

#### 1.99 memstat 0.4

1.99.1 Available under license

#### 1.100 minised 1.13

1.100.1 Available under license

# 1.101 mktemp 1.5 :25.fc7

1.101.1 Available under license

# 1.102 mktemp 1.5 :25.fc7

1.102.1 Available under license

#### 1.103 module-init-tools 3.2.2

1.103.1 Available under license

# 1.104 mtd-utils 1.2.0 :1.fc10

1.104.1 Available under license

1.105 mtd-utils 1.2.0 :1.fc10

1.105.1 Available under license

1.106 ncurses 5.6 :6.20070303.fc7

1.106.1 Available under license

1.107 ncurses 5.6 :19.20080628.fc10

1.107.1 Available under license

1.108 net-snmp 5.1.1 :5.0.0.0501961

1.108.1 Available under license

1.109 net-snmp 5.4 :13.fc7

1.109.1 Available under license

1.110 net-snmp 5.4 :13.fc7

1.110.1 Available under license

1.111 ntp 4.2.4p0 :1.fc7

1.111.1 Available under license

1.112 openIdap 2.1.30 :5.0.0.0801182

1.112.1 Available under license

1.113 openssh 5.0p1 :1.fc9

1.113.1 Available under license

1.114 openssl 0.9.8g :5.fc9

1.114.1 Notifications

1.114.2 Available under license

1.115 openssl 0.9.8g :5.fc9

1.115.1 Notifications

1.115.2 Available under license

1.116 pango 1.20.1 :1.fc9

1.116.1 Available under license

1.117 parted 1.8.6 :4.fc7

1.117.1 Available under license

1.118 parted 1.8.6 :4.fc7

1.118.1 Available under license

1.119 PostgreSQL 8.1

1.119.1 Available under license

1.120 ppp 2.4.4:2

1.120.1 Notifications

1.120.2 Available under license

1.121 psmisc 22.5 :2.fc8

1.121.1 Available under license

#### 1.122 psmisc 22.5 :2.fc8

1.122.1 Available under license

# 1.123 python 2.5.1 :25.fc9

1.123.1 Available under license

# 1.124 quagga 0.99.10 :2.fc10

1.124.1 Available under license

# 1.125 quagga 0.99.10 :2.fc10

1.125.1 Available under license

#### 1.126 readline 4.3:13

1.126.1 Available under license

#### 1.127 rsh 0.17 :50.fc10

1.127.1 Available under license

#### 1.128 setmixer 27DEC94ds1

1.128.1 Available under license

#### 1.129 setmixer 27DEC94ds1

1.129.1 Available under license

#### 1.130 shadow-utils 4.1.1 :1.fc9

1.130.1 Available under license

#### 1.131 sox 14.0.1

1.131.1 Available under license

#### 1.132 sox 14.0.1

1.132.1 Available under license

#### 1.133 sox 14.0.1

1.133.1 Available under license

#### 1.134 strace 4.5.15 :1.fc7

1.134.1 Available under license

#### 1.135 strace 4.5.15 :1.fc7

1.135.1 Available under license

#### 1.136 sysklogd 1.4.1 :39.2

1.136.1 Available under license

#### 1.137 sysklogd 1.4.1 :39.2

1.137.1 Available under license

#### 1.138 tcl 8.5.0 :6.fc9

1.138.1 Available under license

#### 1.139 tcl 8.5.0 :6.fc9

1.139.1 Available under license

# 1.140 tcpdump 3.9.5 :3.fc7

1.140.1 Available under license

#### 1.141 tslib 1.0 :1

1.141.1 Available under license

#### 1.142 tslib 1.0 :1

1.142.1 Available under license

#### 1.143 tslib 1.0 :1

1.143.1 Available under license

#### 1.144 tslib 1.0:1

1.144.1 Available under license

# 1.145 udev 120 :5.20080421git.fc9

1.145.1 Available under license

#### 1.146 usbutils 0.73:2.fc9

1.146.1 Available under license

#### 1.147 usbutils 0.73:2.fc9

1.147.1 Available under license

# 1.148 vim 7.1.291 :1.fc9

1.148.1 Available under license

#### 1.149 vixie-cron 4.1 :69.fc6

1.149.1 Available under license

#### 1.150 vixie-cron 4.1 :69.fc6

1.150.1 Available under license

#### 1.151 vixie-cron 4.1 :69.fc6

1.151.1 Available under license

#### 1.152 vixie-cron 4.1 :69.fc6

1.152.1 Available under license

#### 1.153 wrsv-ltt 1.0

1.153.1 Available under license

#### 1.154 wrsv-ltt 1.0

1.154.1 Available under license

#### 1.155 xinetd 2.3.3

1.155.1 Available under license

# 1.156 xorg-x11 6.8.2 :1.EL.13.36

1.156.1 Available under license

#### 1.157 xorg-x11 6.8.2 :1.EL.13.36

1.157.1 Available under license

# 1.158 xorg-x11 6.8.2 :1.EL.13.36

1.158.1 Available under license

#### 1.159 yaffs2 2006-01-30

1.159.1 Available under license

#### 1.160 zlib 1.2.3:3

# 1.160.1 Available under license

# 1.1 acl 2.2.39:1.1

# 1.1.1 Available under license:

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Version 2.1, February 1999

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Issue Date: 17/07/2009

My thanks to Colin Sinclair for finding an error and suggesting a number of improvements to this code. My thanks also to John Viega and David McGrew for their support in developing this code and to David for testing it on a big-endain system.

\*/

## 1.4 alsa-lib 1.0.16 :3.fc9

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## 1.7 atk 1.22.0 :1.fc9

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## 1.9 audit 1.7.17 :3.el5

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## 1.23 coreutils 6.9 :2.fc7

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Version 2.1, February 1999

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loginrec.h

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The majority of code is written by Matt Johnston, under the license below.

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\_\_\_\_

loginrec.c

loginrec.h

atomicio.h

atomicio.c

and strlcat() (included in util.c) are from OpenSSH 3.6.1p2, and are licensed under the 2 point BSD license.

loginrec is written primarily by Andre Lucas, atomicio.c by Theo de Raadt.

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Theodore Ts'o
23-June-2007
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Theodore Ts'o 15-Mar-2003

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Theodore Ts'o 15-Mar-2003

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\* m4/ax func which gethostbyname r.m4

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# 1.49 gcc 4.3.2

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<sup>\*</sup> m4/ax\_func\_which\_gethostbyname\_r.m4

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## 1.50 GDB 6.6

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## 1.51 glib2 2.16.3 :5.fc9

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## 1.52 glibc 2.5:49

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## 1.53 glibc-ports 2.5

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least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

Because of this blurred distinction, using the ordinary General

Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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

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

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"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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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.

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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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# 1.54 glibc-ports 2.5

# 1.54.1 Available under license:

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Version 2.1, February 1999

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is

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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.

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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.

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

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

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

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

- 7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:
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```
<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice
```

That's all there is to it!

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# 1.55 glibc-ports 2.5

# 1.55.1 Available under license:

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Version 2.1, February 1999

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

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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. ^L

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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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- 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.

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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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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it

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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. ^L

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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- 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.
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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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- 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.

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

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

Appendix: How to Apply These Terms to Your New Libraries

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

<one line to give the library's name and a brief idea of what it does.>
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<signature of Ty Coon>, 1 April 1990

That's all there is to it!

## 1.57 glibc\_localedef 2.8

## 1.57.1 Available under license:

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

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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.

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

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

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while

preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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

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

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

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

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

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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.

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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.)

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- 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.
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/\*

\* sha2.c

\*

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\*

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## 1.64 kernel-linux 2.6.27

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

That's all there is to it!

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

- \* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
- \*
- \* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
- \* http://www.hypermall.com/
- \* 10/1/97 commented out CFG\_PHYIE bit we don't care when the PHY
- \* interrupts us (except possibly for removal/insertion of the cable?)
- \* 10/4/97 began heavy inline documentation of the code. Corrected typos
- \* and spelling mistakes.
- \* 10/5/97 added code to handle PHY interrupts, disable PHY on
- \* loss of link, and correctly re-enable PHY when link is
- \* re-established. (put back CFG\_PHYIE)

\*

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

\*

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

\*

- \* Linux driver for the IDT77201 NICStAR PCI ATM controller.
- \* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
- \* see init\_nicstar() for PHY initialization to change this. This driver
- \* expects the Linux ATM stack to support scatter-gather lists

```
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
    as needed. This means that data must always be copied to create
   the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
   Fix is simple: make large buffers large enough to hold entire
   SDU, and leave <small_buffer_data> bytes empty at the start. Then
   copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
   buffers. This is done by 2 things:
     1) skb->destructor / skb->atm.recycle_buffer
        combined, allow nicstar free rx skb to be called to
        recycle large data buffers
     2) skb_clone of received buffers
  See nicstar free rx skb and linearize buffer for implementation
    details.
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* Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
* M. Welsh, 6 July 1996
```

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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

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cmd/krb5/iprop/iprop\_hdr.h

cmd/krb5/kadmin/server/ipropd\_svc.c

cmd/krb5/kproplog/kproplog.c

cmd/krb5/slave/kpropd\_rpc.c

lib/gss\_mechs/mech\_krb5/et/kdb5\_err.c

 $lib/gss\_mechs/mech\_spnego/mech/gssapiP\_spnego.h$ 

lib/gss\_mechs/mech\_spnego/mech/spnego\_mech.c

lib/krb5/kadm5/kadm host srv names.c

lib/krb5/kdb/kdb\_convert.c

lib/krb5/kdb/kdb\_hdr.h

lib/krb5/kdb/kdb\_log.c

lib/krb5/kdb/kdb\_log.h

 $lib/libgss/g\_accept\_sec\_context.c$ 

lib/libgss/g\_acquire\_cred.c

lib/libgss/g\_canon\_name.c

lib/libgss/g\_compare\_name.c

lib/libgss/g\_context\_time.c

lib/libgss/g\_delete\_sec\_context.c

lib/libgss/g\_dsp\_name.c

 $lib/libgss/g\_dsp\_status.c$ 

lib/libgss/g\_dup\_name.c

lib/libgss/g\_exp\_sec\_context.c

lib/libgss/g\_export\_name.c

lib/libgss/g\_glue.c

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lib/libgss/g\_utils.c
lib/libgss/g\_verify.c
lib/libgss/gssd\_pname\_to\_uid.c
uts/common/gssapi/include/gssapi\_err\_generic.h
uts/common/gssapi/include/mechglueP.h

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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

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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

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## 1.67 krb5 1.6.1 :36.el5

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cmd/krb5/slave/kpropd\_rpc.c

lib/gss\_mechs/mech\_krb5/et/kdb5\_err.c

lib/gss\_mechs/mech\_spnego/mech/gssapiP\_spnego.h

lib/gss\_mechs/mech\_spnego/mech/spnego\_mech.c

lib/krb5/kadm5/kadm host srv names.c

lib/krb5/kdb/kdb\_convert.c

lib/krb5/kdb/kdb\_hdr.h

lib/krb5/kdb/kdb log.c

lib/krb5/kdb/kdb\_log.h

lib/libgss/g\_accept\_sec\_context.c

lib/libgss/g\_acquire\_cred.c

lib/libgss/g\_canon\_name.c

lib/libgss/g compare name.c

lib/libgss/g\_context\_time.c

 $lib/libgss/g\_delete\_sec\_context.c$ 

lib/libgss/g dsp name.c

lib/libgss/g\_dsp\_status.c

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lib/libgss/g\_rel\_name.c

lib/libgss/g\_rel\_oid\_set.c

lib/libgss/g\_seal.c

lib/libgss/g\_sign.c

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lib/libgss/g\_utils.c

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uts/common/gssapi/include/gssapi\_err\_generic.h

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 $@\,small example\\$ 

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

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lib/krb5/kdb/kdb\_log.c

lib/krb5/kdb/kdb\_log.h

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lib/libgss/g\_acquire\_cred.c

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in src/lib/gssapi, including the following files:

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

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## 1.70 krb5 1.6.1 :36.el5

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cmd/krb5/slave/kpropd\_rpc.c

lib/gss\_mechs/mech\_krb5/et/kdb5\_err.c

lib/gss\_mechs/mech\_spnego/mech/gssapiP\_spnego.h

lib/gss\_mechs/mech\_spnego/mech/spnego\_mech.c

lib/krb5/kadm5/kadm\_host\_srv\_names.c

lib/krb5/kdb/kdb\_convert.c

lib/krb5/kdb/kdb hdr.h

lib/krb5/kdb/kdb\_log.c

lib/krb5/kdb/kdb\_log.h

lib/libgss/g\_accept\_sec\_context.c

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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

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Version 2, June 1991

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# 1.78 libjpeg 6b :41.fc9

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The Independent JPEG Group's JPEG software

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README for release 6b of 27-Mar-1998

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This software is the work of Tom Lane, Philip Gladstone, Jim Boucher, Lee Crocker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Guido Vollbeding, Ge' Weijers, and other members of the Independent JPEG Group.

IJG is not affiliated with the official ISO JPEG standards committee.

### DOCUMENTATION ROADMAP

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This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.

LEGAL ISSUES Copyright, lack of warranty, terms of distribution.

REFERENCES Where to learn more about JPEG.

ARCHIVE LOCATIONS Where to find newer versions of this software.

RELATED SOFTWARE Other stuff you should get.

FILE FORMAT WARS Software \*not\* to get.

TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:

install.doc How to configure and install the IJG software.

usage.doc Usage instructions for cjpeg, djpeg, jpegtran,

rdjpgcom, and wrjpgcom.

\*.1 Unix-style man pages for programs (same info as usage.doc).

wizard.doc Advanced usage instructions for JPEG wizards only.

change.log Version-to-version change highlights.

Programmer and internal documentation:

libjpeg.doc How to use the JPEG library in your own programs.

example.c Sample code for calling the JPEG library.

structure.doc Overview of the JPEG library's internal structure.

filelist.doc Road map of IJG files.

coderules.doc Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

#### **OVERVIEW**

=======

This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images. JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability;

for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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#### REFERENCES

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We highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...

The best full description of JPEG is the textbook "JPEG Still Image Data Compression Standard" by William B. Pennebaker and Joan L. Mitchell, published by Van Nostrand Reinhold, 1993, ISBN 0-442-01272-1. Price US\$59.95, 638 pp. The book includes the complete text of the ISO JPEG standards (DIS 10918-1 and draft DIS 10918-2). This is by far the most complete exposition of JPEG in existence, and we highly recommend it.

The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging \$95 for Part 1 and \$47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:

Literature Department

C-Cube Microsystems, Inc.

1778 McCarthy Blvd.

Milpitas, CA 95035

phone (408) 944-6300, fax (408) 944-6314

A PostScript version of this document is available by FTP at ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from ftp.sgi.com or from ftp://ftp.uu.net/graphics/jpeg/. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note. libtiff is available from ftp://ftp.sgi.com/graphics/tiff/.

ARCHIVE LOCATIONS

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The "official" archive site for this software is ftp.uu.net (Internet address 192.48.96.9). The most recent released version can always be found there in directory graphics/jpeg. This particular version will be archived as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/. If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body

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#### RELATED SOFTWARE

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Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/. Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from ftp://havefun.stanford.edu/pub/jpeg/. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

#### FILE FORMAT WARS

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Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

TO DO

=====

The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

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## 1.103 module-init-tools 3.2.2

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- 3. [3] Viraj Bais <vbais@mailman1.intel.com> and [4] Clayton Kirkwood <kirkwood@striderfm.intel.com> port to WindowsNT 3.5

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- 5. [6]Jean-Francois Boudreault <Jean-Francois.Boudreault@viagenie.qc.ca>IPv6 support
- 6. [7]Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option
- 7. [8] Greg Brackley < greg.brackley@bigfoot.com> Major rework of WINNT port. Clean up recybuf and iosignal code into separate modules.
- 8. [9]Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver
- 9. [10]Piete Brooks <Piete.Brooks@cl.cam.ac.uk> MSF clock driver, Trimble PARSE support
- 10. [11]Reg Clemens < reg@dwf.com> Oncore driver (Current maintainer)
- 11. [12]Steve Clift <clift@ml.csiro.au> OMEGA clock driver
- 12. [13]Casey Crellin <casey@csc.co.za> vxWorks (Tornado) port and help with target configuration
- 13. [14]Sven Dietrich <sven\_dietrich@trimble.com> Palisade reference clock driver, NT adj. residuals, integrated Greg's Winnt port.
- 14. [15]John A. Dundas III <dundas@salt.jpl.nasa.gov> Apple A/UX port
- 15. [16]Torsten Duwe <duwe@immd4.informatik.uni-erlangen.de> Linux port
- 16. [17]Dennis Ferguson <dennis@mrbill.canet.ca> foundation code for NTP Version 2 as specified in RFC-1119
- 17. [18] John Hay < jhay @ @icomtek.csir.co.za> IPv6 support and testing
- 18. [19] Glenn Hollinger < glenn@herald.usask.ca> GOES clock driver
- 19. [20] Mike Iglesias <i glesias @uci.edu> DEC Alpha port
- 20. [21]Jim Jagielski <jim@jagubox.gsfc.nasa.gov> A/UX port
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- 22. [23]Hans Lambermont <Hans.Lambermont@nl.origin-it.com> or
  [24]<H.Lambermont@chello.nl> ntpsweep
- 23. [25]Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original author)
- 24. [26]Frank Kardel [27]<a href="kardel">kardel</a> (at) ntp (dot) org> PARSE <GENERIC> driver (>14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup, dynamic interface handling
- 25. [28] William L. Jones < jones@hermes.chpc.utexas.edu> RS/6000 AIX modifications, HPUX modifications
- 26. [29]Dave Katz <dkatz@cisco.com> RS/6000 AIX port
- 27. [30]Craig Leres <leres@ee.lbl.gov> 4.4BSD port, ppsclock, Magnavox GPS clock driver
- 28. [31]George Lindholm < lindholm@ucs.ubc.ca> SunOS 5.1 port
- 29. [32]Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
- 30. [33]Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305
- 31. [34]Danny Mayer <mayer@ntp.org>Network I/O, Windows Port, Code Maintenance
- 32. [35]David L. Mills <mills@udel.edu> Version 4 foundation: clock discipline, authentication, precision kernel; clock drivers: Spectracom, Austron, Arbiter, Heath, ATOM, ACTS, KSI/Odetics;

- audio clock drivers: CHU, WWV/H, IRIG
- 33. [36]Wolfgang Moeller < moeller@gwdgv1.dnet.gwdg.de> VMS port
- 34. [37]Jeffrey Mogul <mogul@pa.dec.com> ntptrace utility
- 35. [38]Tom Moore <tmoore@fievel.daytonoh.ncr.com> i386 svr4 port
- 36. [39]Kamal A Mostafa <kamal@whence.com> SCO OpenServer port
- 37. [40]Derek Mulcahy <derek@toybox.demon.co.uk> and [41]Damon Hart-Davis <d@hd.org> ARCRON MSF clock driver
- 38. [42]Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de> monitoring/trap scripts, statistics file handling
- 39. [43] Dirce Richards < dirce@zk3.dec.com> Digital UNIX V4.0 port
- 40. [44]Wilfredo S?nchez <wsanchez@apple.com> added support for NetInfo
- 41. [45] Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
- 42. [46]Jack Sasportas < jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory
- 43. [47]Ray Schnitzler <schnitz@unipress.com> Unixware1 port
- 44. [48] Michael Shields < shields @tembel.org > USNO clock driver
- 45. [49]Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
- 46. [50]Harlan Stenn <a href="mailto:sharlan@pfcs.com">harlan@pfcs.com</a> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)
- 47. [51] Kenneth Stone < ken@sdd.hp.com> HP-UX port
- 48. [52] Ajit Thyagarajan <ajit@ee.udel.edu>IP multicast/anycast support
- 49. [53]Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp>TRAK clock driver
- 50. [54]Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
- 51. [55]Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and validated HTML documents according to the HTML DTD

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\* @version 3.0 (December 2000)

\*

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×

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- \* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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# 1.116 pango 1.20.1 :1.fc9

### 1.116.1 Available under license:

Pango is a library for layout and rendering of text, with an emphasis on internationalization. Pango can be used anywhere that text layout is needed; however, most of the work on Pango so far has been done using the GTK+ widget toolkit as a test platform. Pango forms the core of text and font handling for GTK+-2.x.

Pango is designed to be modular; the core Pango layout can be used with different font backends. There are three basic backends, with multiple options for rendering with each.

- Client side fonts using the FreeType and fontconfig libraries.
   Rendering can be with with Cairo or Xft libraries, or directly to an in-memory buffer with no additional libraries.
- Native fonts on Microsoft Windows using Uniscribe if available for complex script handling. Rendering can be done via Cairo or directly using the native Win32 API.
- Native fonts on MacOS X, rendering via Cairo.

The integration of Pango with Cairo (http://cairographics.org) provides a complete solution with high quality text handling and graphics rendering.

Dynamically loaded modules then handle text layout for particular combinations of script and font backend.

As well as the low level layout rendering routines, Pango includes PangoLayout, a high level driver for laying out entire blocks of text, For more information about Pango, see:

http://www.pango.org/

Dependencies

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Pango depends on the GLib library; more information about GLib can be found at http://www.gtk.org/.

and routines to assist in editing internationalized text.

When using client side fonts, the fontconfig library (http://www.fontconfig.org) to look up fonts. At least version 2.0.9 of the FreeType font handling library (http://www.freetype.org) is also required.

Cairo support depends on the Cairo library (http://cairographics.org). The Cairo backend is the preferred backend to use Pango with and is subject of most of the development in the future. It has the advantage that the same code can be used for display and printing.

We suggest using Pango with Cairo as described above, but you can also do X-specific rendering using the Xft library. The Xft backend uses version 2 of the Xft library to manage client side fonts. Version 2 of Xft is available from http://xlibs.freedesktop.org/release/. You'll need the libXft package, and possibly the libXrender and renderext packages as well. You'll also need fontconfig (see below.)

Installation of Pango on Win32 is possible, but is not documented here. See http://www.gimp.org/~tml/gimp/win32/downloads.html

#### Notes

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- By default, Pango tries to build itself so that no explicit dependency on Xft or FreeType will be introduced in apps that link to Pango. This is to avoid compatibility problems with changes in the Xft or FreeType API's or ABI's. Specifying --enable-explicit-deps or --enable-static when configuring Pango will defeat this and should be avoided if possible.

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Note that binary distributions of Pango must include a disclaimer that the software is based in part of the work of the FreeType Team, in the distribution documentation; for instance, by including this README file.

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# 1.117 parted 1.8.6 :4.fc7

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#### ppp-2.4.4/modules/ppp\_ahdlc.c

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ppp-2.4.4/pppd/ccp.c

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ppp-2.4.4/pppdump/pppdump.c

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ppp-2.4.4/pppd/chap-md5.c

ppp-2.4.4/pppd/chap-md5.h

ppp-2.4.4/pppd/chap-new.c

ppp-2.4.4/pppd/chap-new.h

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```
ppp-2.4.4/include/linux/if_pppvar.h
```

- ppp-2.4.4/include/linux/if\_ppp.h
- ppp-2.4.4/include/net/if\_ppp.h
- ppp-2.4.4/pppd/auth.c
- ppp-2.4.4/pppd/fsm.c
- ppp-2.4.4/pppd/fsm.h
- ppp-2.4.4/pppd/ipcp.c
- ppp-2.4.4/pppd/ipcp.h
- ppp-2.4.4/pppd/ipv6cp.c
- ppp-2.4.4/pppd/ipv6cp.h
- ppp-2.4.4/pppd/ipxcp.c
- ppp-2.4.4/pppd/ipxcp.h
- ppp-2.4.4/pppd/lcp.c
- ppp-2.4.4/pppd/lcp.h
- ppp-2.4.4/pppd/magic.c
- ppp-2.4.4/pppd/magic.h
- ppp-2.4.4/pppd/main.c
- $ppp\hbox{-}2.4.4/pppd/options.c$
- ppp-2.4.4/pppd/pppd.h
- ppp-2.4.4/pppd/sys-linux.c
- ppp-2.4.4/pppd/sys-solaris.c
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- ppp-2.4.4/include/net/vjcompress.h
- ppp-2.4.4/modules/vjcompress.c
- ppp-2.4.4/pppstats/pppstats.c
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ppp-2.4.4/common/zlib.c

ppp-2.4.4/common/zlib.h

ppp-2.4.4/pppdump/zlib.c

ppp-2.4.4/pppdump/zlib.h

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```
Jean-loup Gailly Mark Adler gzip@prep.ai.mit.edu madler@alumni.caltech.edu
```

```
ppp-2.4.4/pppd/eui64.c
```

ppp-2.4.4/pppd/eui64.h

ppp-2.4.4/pppd/ipv6cp.c

ppp-2.4.4/pppd/ipv6cp.h

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```

ppp-2.4.4/pppd/sys-solaris.c

ppp-2.4.4/solaris/ppp\_ahdlc.c

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ppp-2.4.4/pppd/eap.c

ppp-2.4.4/pppd/eap.h

ppp-2.4.4/pppd/srp-entry.c

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```
* Updated to ppp-2.4.1 by Bernhard Kaindl
* Updated to ppp-2.4.2 by David Woodhouse 2004.
* - disconnect method added
* - remove options() abuse removed.
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 $ppp\hbox{-}2.4.4/pppd/plugins/radius/dict.c}$ 

ppp-2.4.4/pppd/plugins/radius/Makefile.linux

ppp-2.4.4/pppd/plugins/radius/radattr.c

 $ppp\hbox{-}2.4.4/pppd/plugins/rp\hbox{-}pppoe/common.c$ 

ppp-2.4.4/pppd/plugins/rp-pppoe/debug.c

ppp-2.4.4/pppd/plugins/rp-pppoe/discovery.c

ppp-2.4.4/pppd/plugins/rp-pppoe/if.c

ppp-2.4.4/pppd/plugins/rp-pppoe/Makefile.linux

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```
ppp-2.4.4/pppd/plugins/radius/buildreq.c
```

ppp-2.4.4/pppd/plugins/radius/avpair.c

ppp-2.4.4/pppd/plugins/radius/clientid.c

ppp-2.4.4/pppd/plugins/radius/config.c

ppp-2.4.4/pppd/plugins/radius/dict.c

ppp-2.4.4/pppd/plugins/radius/includes.h

ppp-2.4.4/pppd/plugins/radius/ip\_util.c

ppp-2.4.4/pppd/plugins/radius/lock.c

ppp-2.4.4/pppd/plugins/radius/options.h

ppp-2.4.4/pppd/plugins/radius/pathnames.h

ppp-2.4.4/pppd/plugins/radius/radiusclient.h

ppp-2.4.4/pppd/plugins/radius/sendserver.c

ppp-2.4.4/pppd/plugins/radius/util.c

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```
ppp-2.4.4/pppd/plugins/radius/avpair.c
```

ppp-2.4.4/pppd/plugins/radius/config.c

ppp-2.4.4/pppd/plugins/radius/dict.c

ppp-2.4.4/pppd/plugins/radius/includes.h

ppp-2.4.4/pppd/plugins/radius/ip\_util.c

ppp-2.4.4/pppd/plugins/radius/pathnames.h

ppp-2.4.4/pppd/plugins/radius/radiusclient.h

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ppp-2.4.4/pppd/plugins/radius/config.c

ppp-2.4.4/pppd/plugins/radius/dict.c

ppp-2.4.4/pppd/plugins/radius/includes.h

ppp-2.4.4/pppd/plugins/radius/ip\_util.c

ppp-2.4.4/pppd/plugins/radius/pathnames.h

ppp-2.4.4/pppd/plugins/radius/radiusclient.h

ppp-2.4.4/pppd/plugins/radius/sendserver.c

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[...]

Unix SMB/CIFS implementation.

Samba utility functions

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```
ppp-2.4.4/pppd/chap_ms.c
```

ppp-2.4.4/pppd/chap\_ms.h

ppp-2.4.4/pppd/pppcrypt.c

ppp-2.4.4/pppd/pppcrypt.h

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# 1.122 psmisc 22.5 :2.fc8

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# 1.123 python 2.5.1 :25.fc9

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A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Release	Deriv	ed	Year	Owne	r GPL-
from				comp	atible? (1)
0.9.0 thru	1991-1995		CWI	yes	
1.3 thru 1	.5.2 1.2	1	995-1999	CNI	RI yes
1.6	1.5.2	2000	) CN	RI	no
2.0	1.6	2000	BeC	pen.co	om no
1.6.1	1.6	200	1 CN	RI	yes (2)
2.1	2.0+1.6	.1 20	001 P	SF	no
2.0.1	2.0+1.6	5.1 20	001 F	PSF	yes
2.1.1	2.1+2.0	0.1 20	001 F	PSF	yes
2.2	2.1.1	200	l PSI	7	yes
2.1.2	2.1.1	200	2 PS	F	yes
2.1.3	2.1.2	200	2 PS	F	yes
2.2.1	2.2	2002	2 PSI	7	yes
2.2.2	2.2.1	200	2 PS	F	yes

2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-20	003 PSF	yes
2.3.1	2.3	2002-20	003 PSF	yes
2.3.2	2.3.1	2002-2	003 PSF	yes
2.3.3	2.3.2	2002-2	003 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
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\* @(#)esis.h 8.1 (Berkeley) 6/10/93

\*/

## 1.126 readline 4.3:13

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Version 2, June 1991

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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 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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- 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.
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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 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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That's all there is to it!

## 1.142 tslib 1.0 :1

### 1.142.1 Available under license:

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The reason we have a separate public license for some libraries is that

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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.

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

That's all there is to it!

## 1.143 tslib 1.0 :1

### 1.143.1 Available under license :

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

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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.

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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.

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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.

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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.

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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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## 1.145 udev 120 :5.20080421git.fc9

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## 1.147 usbutils 0.73 :2.fc9

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Version 2, June 1991

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## 1.148 vim 7.1.291 :1.fc9

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\*uganda.txt\* For Vim version 7.1. Last change: 2007 May 05

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\*iccf\* \*ICCF\*

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Kibaale Children's Centre \*kcc\*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted.

For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

\*donate\*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. Now that I'm back in Holland, I would like to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

- 1. Sponsor a child in primary school: 17 euro a month (or more).
- 2. Sponsor a child in secondary school: 25 euro a month (or more).
- 3. Sponsor the clinic: Any amount a month or quarter
- 4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Further more, the centre is co-sponsored and inspected by World Vision, Save the Children Fund and International Child Care Fund. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself in 1996, 1998, 2000, 2001 and 2003. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is: Kibaale Children's Centre p.o. box 1658 Masaka, Uganda, East Africa

Sending money: \*iccf-donations\*

Check the ICCF web site for the latest information! See |iccf| for the URL.

USA: The methods mentioned below can be used.

Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.

For sponsoring a child contact KCF in Canada (see below). US checks can be send to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly. Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship. Kibaale Children's Fund c/o Pacific Academy 10238-168 Street Surrey, B.C. V4N 1Z4 Canada

Phone: 604-581-5353

If you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Venlo. This will allow for tax deduction if you live in Holland. Postbank, nr. 4548774

Germany: It is possible to make donations that allow for a tax return.

Check the ICCF web site for the latest information:

http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number.

Any other method should work. Ask for information about

sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is

the most widely used Internet based payment system. It's

really simple to use. Use this link to find more info:

https://www.paypal.com/en\_US/mrb/pal=XAC62PML3GF8Q

The e-mail address for sending the money to is:

Bram@iccf-holland.org

For amounts above 400 Euro (\$500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:

Postbank, account 4548774 Swift code: INGB NL 2A

IBAN: NL47 PSTB 0004 5487 74

under the name "stichting ICCF Holland", Venlo

If that doesn't work:

Rabobank Venlo, account 3765.05.117

Swift code: RABO NL 2U

under the name "Bram Moolenaar", Venlo

Otherwise, send a check in euro or US dollars to the address below. Minimal amount: \$70 (my bank does not accept smaller

amounts for foreign check, sorry)

Address to send checks to:

stichting ICCF Holland

Bram Moolenaar

Molenstraat 2

2161 HP Lisse

The Netherlands

This address is expected to be valid for a long time. The address in Venlo will not be valid after June 2006.

vim:tw=78:ts=8:ft=help:norl:

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Yes. A RPM or Debian package is a "larger software package" to begin with, and you aren't selling them independently by themselves. See 1. above.

- 3. Are derivative works allowed? Yes!
- 4. Can I change or add to the font(s)?Yes, but you must change the name(s) of the font(s).
- 5. Under what terms are derivative works allowed?

You must change the name(s) of the fonts. This is to ensure the quality of the fonts, both to protect Bitstream and Gnome. We want to ensure that if an application has opened a font specifically of these

names, it gets what it expects (though of course, using fontconfig, substitutions could still could have occurred during font opening). You must include the Bitstream copyright. Additional copyrights can be added, as per copyright law. Happy Font Hacking!

6. If I have improvements for Bitstream Vera, is it possible they might get adopted in future versions?

Yes. The contract between the Gnome Foundation and Bitstream has provisions for working with Bitstream to ensure quality additions to the Bitstream Vera font family. Please contact us if you have such additions. Note, that in general, we will want such additions for the entire family, not just a single font, and that you'll have to keep both Gnome and Jim Lyles, Vera's designer, happy! To make sense to add glyphs to the font, they must be stylistically in keeping with Vera's design. Vera cannot become a "ransom note" font. Jim Lyles will be providing a document describing the design elements used in Vera, as a guide and aid for people interested in contributing to Vera.

7. I want to sell a software package that uses these fonts: Can I do so?

Sure. Bundle the fonts with your software and sell your software with the fonts. That is the intent of the copyright.

8. If applications have built the names "Bitstream Vera" into them, can I override this somehow to use fonts of my choosing?

This depends on exact details of the software. Most open source systems and software (e.g., Gnome, KDE, etc.) are now converting to use fontconfig (see www.fontconfig.org) to handle font configuration, selection and substitution; it has provisions for overriding font names and substituting alternatives. An example is provided by the supplied local.conf file, which chooses the family Bitstream Vera for "sans", "serif" and "monospace". Other software (e.g., the XFree86 core server) has other mechanisms for font substitution.

The FreeType Project LICENSE

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2002-Apr-11

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o freetype@freetype.org

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haven't found anything to help you in the documentation.

o devel@freetype.org

Discusses bugs, as well as engine internals, design issues, specific licenses, porting, etc.

o http://www.freetype.org

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### Copyright FAQ

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Bitstream is giving away these fonts, but wishes to ensure its competitors can't just drop the fonts as is into a font sale system and sell them as is. It seems fair that if Bitstream can't make money from the Bitstream Vera fonts, their competitors should not be able to do so either. You can sell the fonts as part of any software package, however.

2. I want to package these fonts separately for distribution and sale as part of a larger software package or system. Can I do so?

Yes. A RPM or Debian package is a "larger software package" to begin with, and you aren't selling them independently by themselves.

See 1. above.

3. Are derivative works allowed? Yes!

4. Can I change or add to the font(s)?Yes, but you must change the name(s) of the font(s).

5. Under what terms are derivative works allowed?

You must change the name(s) of the fonts. This is to ensure the quality of the fonts, both to protect Bitstream and Gnome. We want to ensure that if an application has opened a font specifically of these names, it gets what it expects (though of course, using fontconfig, substitutions could still could have occurred during font opening). You must include the Bitstream copyright. Additional copyrights can be added, as per copyright law. Happy Font Hacking!

6. If I have improvements for Bitstream Vera, is it possible they might get adopted in future versions?

Yes. The contract between the Gnome Foundation and Bitstream has provisions for working with Bitstream to ensure quality additions to the Bitstream Vera font family. Please contact us if you have such additions. Note, that in general, we will want such additions for the entire family, not just a single font, and that you'll have to keep both Gnome and Jim Lyles, Vera's designer, happy! To make sense to add glyphs to the font, they must be stylistically in keeping with Vera's design. Vera cannot become a "ransom note" font. Jim Lyles will be providing a document describing the design elements used in Vera, as a guide and aid for people interested in contributing to Vera.

7. I want to sell a software package that uses these fonts: Can I do so?

Sure. Bundle the fonts with your software and sell your software with the fonts. That is the intent of the copyright.

8. If applications have built the names "Bitstream Vera" into them, can I override this somehow to use fonts of my choosing?

This depends on exact details of the software. Most open source systems and software (e.g., Gnome, KDE, etc.) are now converting to use fontconfig (see www.fontconfig.org) to handle font configuration, selection and substitution; it has provisions for overriding font names and substituting alternatives. An example is provided by the supplied local.conf file, which chooses the family Bitstream Vera for "sans", "serif" and "monospace". Other software (e.g., the XFree86 core server) has other mechanisms for font substitution.

The FreeType Project LICENSE

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2002-Apr-11

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/\*

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- 5. Under what terms are derivative works allowed?

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2002-Apr-11

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(For example, a function in a library to compute square roots has

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That's all there is to it!

### 1.160 zlib 1.2.3 :3

### 1.160.1 Available under license:

version 1.2.3, July 18th, 2005

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

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