



# Open Source Used In Cisco Edge 300 switch 1.5.0

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## 1.8 alsa-utils 1.0.23

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## 1.10 autoconf 2.59 1.0.0.0801182

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## 1.11 automake 1.9.6

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```
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```

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```
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This is free software, and you are welcome to redistribute it
under certain conditions; type 'show c' for details.
```

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

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

Ty Coon, President of Vice

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## 1.12 avahi 0.6.30

### 1.12.1 Available under license :

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## 1.13 bash 4.2

### 1.13.1 Available under license :

From mikel@ora.com Tue Aug 1 12:13:20 1995

Flags: 10

Return-Path: mikel@ora.com

Received: from ruby.ora.com (ruby.ora.com [198.112.208.25]) by odin.INS.CWRU.Edu with ESMTP (8.6.12+cwru/CWRU-2.1-ins)

id MAA01565; Tue, 1 Aug 1995 12:13:18 -0400 (from mikel@ora.com for <chet@odin.INS.CWRU.Edu> )

Received: (from fax@localhost) by ruby.ora.com (8.6.12/8.6.11) with UUCP id MAA23251; Tue, 1 Aug 1995 12:07:51 -0400

Received: by los.ora.com (4.1/Spike-2.1)

id AA00672; Tue, 1 Aug 95 08:57:32 EDT

Date: Tue, 1 Aug 95 08:57:32 EDT

From: mikel@ora.com (Michael Loukides)

Message-Id: <9508011257.AA00672@los.ora.com>

Subject: Re: Ksh debugger from Rosenblatt's book [for bash]

To: Chet Ramey <chet@odin.INS.CWRU.Edu>

Cc: cmarie@ora.com, cam@iinet.com.au, brosenblatt@tm.com

In-Reply-To: Chet Ramey <chet@odin.INS.CWRU.Edu> , Mon, 31 Jul 1995 16:22:48 -0400

I've modified a (modified) version of Bill Rosenblatt's ksh debugger to work with bash-2.0. Does ORA have any problem with me distributing it with bash-2.0?

That's great!

Go ahead and circulate it; in fact, we should probably grab it and stick it in our ftp archive, and put a reference to it in the book. (Too late to actually discuss the thing, at least for this edition).

-----

From friedman@cli.com Thu May 25 12:19:06 1995

Flags: 10

Return-Path: friedman@cli.com

Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins)

id MAA08685; Thu, 25 May 1995 12:19:05 -0400 (from friedman@cli.com for <chet@odin.INS.CWRU.Edu> )

Received: from cli.com (cli.com [192.31.85.1]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)

id MAA11299; Thu, 25 May 1995 12:19:00 -0400 (from friedman@cli.com for <chet@po.cwru.edu> )

Received: from tepui.cli.com by cli.com (4.1/SMI-4.1)

id AA27213; Thu, 25 May 95 11:18:25 CDT

Received: by tepui.cli.com (4.1) id AA16031; Thu, 25 May 95 11:18:23 CDT

Message-Id: <9505251618.AA16031@tepui.cli.com>

From: friedman@gnu.ai.mit.edu (Noah Friedman)

To: chet@po.cwru.edu

Subject: Bash scripts

Reply-To: friedman@gnu.ai.mit.edu

In-Reply-To: <chet@odin.ins.cwru.edu> Thu, 25 May 1995 11:19:59 -0400

References: <9505251519.AA06424.SM@odin.INS.CWRU.Edu>

Date: Thu, 25 May 95 11:18:21 CST

> Hi. I snagged some of your bash functions from your home directory on  
> the FSF machines (naughty, I know), and I was wondering if you'd let  
> me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in

~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and  
es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)

From spcedt@armory.com Wed May 10 10:21:11 1995

Flags: 10

Return-Path: spcedt@armory.com

Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins)

id KAA22876; Wed, 10 May 1995 10:21:10 -0400 (from spcedt@armory.com for <chet@odin.INS.CWRU.Edu> )

Received: from deepthought.armory.com (mmdf@deepthought.armory.com [192.122.209.42]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)

id BAA16354; Wed, 10 May 1995 01:33:22 -0400 (from spcedt@armory.com for <chet@po.cwru.edu> )

From: John DuBois <spcedt@armory.com>



Date: Tue, 9 May 1995 22:33:12 -0700  
 In-Reply-To: Chet Ramey <chet@odin.ins.cwru.edu>  
 "ksh scripts" (May 9, 1:36pm)  
 X-Www: <http://www.armory.com/~speccdt/>  
 X-Mailer: Mail User's Shell (7.2.5 10/14/92)  
 To: chet@po.cwru.edu  
 Subject: Re: ksh scripts  
 Message-ID: <9505092233.aa13001@deephought.armory.com>

Sure. The canonical versions are available on <ftp.armory.com>; you might want to pick up the latest versions before modifying them.

John

On May 9, 1:36pm, Chet Ramey wrote:

```

} Subject: ksh scripts
} From odin.ins.cwru.edu!chet Tue May 9 10:39:51 1995
} Received: from odin.INS.CWRU.Edu by deepthought.armory.com id aa22336;
} 9 May 95 10:39 PDT
} Received: (chet@localhost) by odin.INS.CWRU.Edu (8.6.10+cwru/CWRU-2.1-ins)
} id NAA20487; Tue, 9 May 1995 13:39:24 -0400 (from chet)
} Date: Tue, 9 May 1995 13:36:54 -0400
} From: Chet Ramey <chet@odin.ins.cwru.edu>
} To: john@armory.com
} Subject: ksh scripts
} Cc: chet@odin.ins.cwru.edu
} Reply-To: chet@po.cwru.edu
} Message-ID: <9505091736.AA20411.SM@odin.INS.CWRU.Edu>
} Read-Receipt-To: chet@po.CWRU.Edu
} MIME-Version: 1.0
} Content-Type: text/plain; charset=us-ascii
} Status: OR
}
} Hi. I'm the maintainer of bash (the GNU 'Bourne Again shell') for
} the FSF.
}
} I picked up a tar file of ksh scripts you wrote from an anon FTP site
} a while back. I'd like your permission to include modified versions

```

```
} of some of them in the next major bash distribution (with proper credit
} given, of course). Is it OK if I do that?
}
} Chet Ramey
}
} --
} "The lyf so short, the craft so long to lerne." - Chaucer
}
} Chet Ramey, Case Western Reserve UniversityInternet: chet@po.CWRU.Edu
}-- End of excerpt from Chet Ramey
```

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Version 3, 29 June 2007

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## 1.14 binutils 2.20.1

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Version 3, 29 June 2007

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freedom to share and change it. By contrast, the GNU General Public  
Licenses are intended to guarantee your freedom to share and change  
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some  
specially designated software packages--typically libraries--of the  
Free Software Foundation and other authors who decide to use it. You  
can use it too, but we suggest you first think carefully about whether  
this license or the ordinary General Public License is the better  
strategy to use in any particular case, based on the explanations  
below.

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

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

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

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

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

consistent with the full freedom of use specified in this license.

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

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

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

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

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

operating system, as well as its variant, the GNU/Linux operating system.

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

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

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

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

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated

interface definition files, plus the scripts used to control compilation and installation of the library.

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

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- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a



table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

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

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

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so

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

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

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

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

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

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

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

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

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

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked

with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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

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

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

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

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

It may happen that this requirement contradicts the license

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

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a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

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Ty Coon, President of Vice

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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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- 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.

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## 1.15 bison 2.3

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[jseward@bzip.org](mailto:jseward@bzip.org)

bzip2/libbzip2 version 1.0.4 of 20 December 2006

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Mesa 3-D graphics library

Version: 7.0

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## 1.21 clish 0.7.3

### 1.21.1 Available under license :

```
/**
```

```
page _licence_page Licence
```

```
section Overview
```

```
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<HR>
```

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section _3com 3Com Corporation
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whilst in the employment of 3Com Europe Ltd.
```

```
verbatim
```

```
clish/
```

```
clish/command
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clish/param
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clish/pargv
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```
clish/ptype
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clish/shell
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```
clish/variable
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clish/view
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lub/
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lub/argv
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lub/bintree
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lub/blockpool
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```
lub/test
```

```
lub/dump
```

```
lub/string
```

```
endverbatim
```

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verbatim

tinyrl/

tinyrl/history

tinyrl/vt100

lub/heap/

lub/heap/vxworks

lub/heap/posix

lub/dblockpool

lubheap/

lubheap/vxworks

lubheap/posix

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section \_tinymce Yves Berquin

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verbatim

tinymce (v2.5.1)

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<http://www.sourceforge.net/projects/tinymce>

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section \_binutils GNU binutils

As of release 0.7.1 libbfd can be used to resolve symbols for stacktraces. This feature can be turned off if linking with GPL code is problematic, using "configure --without-gpl".

The Binary File Descriptor library is part of GNU binutils

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lub/heap/posix/heap\_symShow.c

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Derived from addr2line.c in the GNU binutils package by Ulrich.Lauther@mchp.siemens.de

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## 1.26 dhcpv6 1.2.0

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That's all there is to it!

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If you have any questions, feel free to contact me (David Cantrell <dcantrell@redhat.com> )

-----  
  
include/cfg.h  
include/common.h  
include/timer.h

```
src/cfg.c
src/client6_parse.y
src/client6_token.l
src/common.c
src/dhcp6c.c
src/dhcp6s.c
src/timer.c
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 */
```

```

include/hash.h
include/lease.h
include/server6_conf.h
src/client6_addr.c
src/dad_token.l
src/hash.c
src/lease.c
src/lease_token.l
src/netlink.c
src/radvd_token.l
src/resolv_token.l
src/server6_addr.c
src/server6_conf.c
src/server6_parse.y
src/server6_token.l
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*/
```

```
include/dhcp6r.h
include/relay6_database.h
include/relay6_parser.h
include/relay6_socket.h
src/dhcp6r.c
src/relay6_database.c
src/relay6_parser.c
src/relay6_socket.c
```

```
/*
```

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*/
```

```
include/dhc6_alloc.h
include/dhcp6client.h
include/libdhcp_control.h
src/dhc6_alloc.c
```

```
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```

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Andreas Hundt <andi@fischlustig.de> ,  
Sven Neumann <neo@directfb.org> ,  
Ville Syrjälä <syrjala@sci.fi> and  
Claudio Ciccani <klan@users.sf.net> .

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Theodore Ts'o  
23-June-2007

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```
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```
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```

```
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## 1.33 ffmpeg 0.6

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```

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- libpostproc
- optional MMX optimizations for YUV to RGB colorspace conversion in `libswscale/x86/yuv2rgb_template.c`

- optional x86 optimizations in the files  
libavcodec/x86/h264\_deblock\_sse2.asm  
libavcodec/x86/h264\_idct\_sse2.asm  
libavcodec/x86/idct\_mmx.c
- the X11 grabber in libavdevice/x11grab.c

There are a handful of files under other licensing terms, namely:

- \* The files libavcodec/jfdctfst.c, libavcodec/jfdctint.c, libavcodec/jrevdct.c are taken from libjpeg, see the top of the files for licensing details.

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external libraries:

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Some external libraries, e.g. libx264, are under GPL and can be used in conjunction with FFmpeg. They require `--enable-gpl` to be passed to configure as well.

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## 1.34 finger 0.17 36.fc9

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\*&#12487;&#12540;&#12479;&#21450;&#12403;&#35352;&#20107;&#12398;&#12521;&#12452;&#12475;&#12531;&#12473;

&#12464;&#12522;&#12501;&#12454;&#12451;&#12461;&#12395;&#30331;&#37682;&#12373;&#12428;&#12390;&#12356;&#12427;&#12464;&#12522;&#12501;&#12487;&#12540;&#12479;&#12362;&#12424;&#12403;&#35352;&#20107;&#12399;&#12289;&#35504;&#12418;&#12364;&#33258;&#30001;&#12395;&#21033;&#29992;&#12391;&#12365;&#12427;&#12371;&#12392;&#12392;&#12375;&#12414;&#12377;&#12290;&#35079;&#35069;&#12289;&#25913;&#22793;&#12394;&#12393;&#12398;&#20108;&#27425;&#21033;&#29992;&#12434;&#35469;&#12417;&#12427;&#12418;&#12398;&#12392;&#12375;&#12414;&#12377;&#12290;&#33879;&#20316;&#32773;&#34920;&#31034;&#12418;&#29305;&#12395;&#21046;&#38480;&#12434;&#35373;&#12369;&#12414;&#12379;&#12435;&#12290;&#26032;&#12375;&#12356;&#12501;&#12457;&#12531;&#12488;&#12398;&#12505;&#12540;&#12473;&#12487;&#12540;&#12479;&#12392;&#12375;&#12390;&#29992;&#12356;&#12427;&#12371;&#12392;&#12420;&#12289;&#12381;&#12398;&#12414;&#12414;&#12467;&#12500;&#12540;&#12375;&#12383;&#12418;&#12398;&#12434;&#12501;&#12457;&#12531;&#12488;&#12392;&#12375;&#12390;&#33879;&#20316;&#29289;&#12392;&#12377;&#12427;&#12371;&#12392;&#12434;&#22952;&#12370;&#12414;&#12379;&#12435;&#12290;&#35352;&#20107;&#20013;&#12395;&#24341;&#29992;&#12373;&#12428;&#12390;&#12356;&#12427;&#37096;&#20998;&#12395;&#12388;&#12356;&#12390;&#12399;&#12289;&#12464;&#12522;&#12501;&#12454;&#12451;&#12461;&#12395;&#12399;&#33879;&#20316;&#27177;&#12399;&#12354;&#12426;&#12414;&#12379;&#12435;&#12398;&#12391;&#24341;&#29992;&#20803;&#12398;&#12521;&#12452;&#12475;&#12531;&#12473;&#12434;&#30906;&#35469;&#12375;&#12390;&#12367;&#12384;&#12373;&#12356;&#12290;

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These directories contain modified source code to the NSIS Plugins used by the Windows installers.

NSIS project page: <http://nsis.sourceforge.net/>

NSIS Unicode port project page: <http://www.scratchpaper.com/>

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- 

ExDLL NSIS Unicode source 2.38.1 for plugin projects

<http://www.scratchpaper.com/>

These files are required to compile the nsProcess and ShellLink plugins. No changes were made to these files.

-----

ApplicationID v1.0

[http://nsis.sourceforge.net/ApplicationID\\_plugin](http://nsis.sourceforge.net/ApplicationID_plugin)

Unicode support and taskbar resource deleteion was added for this plugin. A diff of the changes to the source is available at:

[https://bugzilla.mozilla.org/show\\_bug.cgi?id=521141](https://bugzilla.mozilla.org/show_bug.cgi?id=521141)

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```

/* PermissionPromptHelper checks the permissionDB for a given permission
* name and performs prompting if needed.
* Usage: send PermissionPromptHelper:AskPermission via the FrameMessageManager with:
* |origin|, |appID|, |browserFlag| -> used for getting the principal and
* |type| and |access| to call testExactPermissionFromPrincipal.
* Note that |access| isn't currently used.
* Other arguments are:
* requestID: ID that gets returned with the result message.
*
* Once the permission is checked, it returns with the message
* "PermissionPromptHelper:AskPermission:OK"
* The result contains the |result| e.g.Ci.nsIPermissionManager.ALLOW_ACTION
* and a requestID that
*/

```

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% -----

% VERSION: 0.9 (October 2010)

%

% AUTHORS: Tilla Fick and Chris Swanepoel

%       hyphen at rekenaar dot net

% -----

%

% Define lefthyphenmin to one and righthyphenmin to two

% (although righthyphenmin could technically be made one,

% in almost all cases a value of two gives better results):

% lefthyphenmin=1

%



% -----

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%

% + January 1986: first release by Kauko Saarinen,

% Computing Centre, University of Jyvaskyla, Finland

%

% + January 1988: completely rewritten by Kauko Saarinen.

% The new patterns make much less mistakes with foreign

% and compound words. The article "Automatic Hyphenation

% of Finnish" by Professor Fred Karlsson is also referred

%

% + 8th March 1989 (vers. 2.2): some vowel triples added by

% Kauko Saarinen based on Fred Karlsson's ideas

%

% + 9th January 1995: added ucode and lcode by Thomas Esser

%

% + 24th May 2004: changelog reformatted for disambiguation and

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% semi-manual conversions of hyphenation patterns into UTF-8 in June 2008.  
%  
% Source: frhyph.tex <2006-10-20>  
% Author: R. Bastian, D. Flipo, B. Gaulle <cesure-1 at gutenberg.eu.org>  
%  
% The above mentioned file should become obsolete,  
% and the author of the original file should preferaby modify this file instead.
```

```

%
% Modificatios were needed in order to support native UTF-8 engines,
% but functionality (hopefully) didn't change in any way, at least not intentionally.
% This file is no longer stand-alone; at least for 8-bit engines
% you probably want to use loadhyph-foo.tex (which will load this file) instead.
%
% Modifications were done by Jonathan Kew, Mojca Miklavc & Arthur Reutenauer
% with help & support from:
% - Karl Berry, who gave us free hands and all resources
% - Taco Hoekwater, with useful macros
% - Hans Hagen, who did the unicodification of patterns already long before
%       and helped with testing, suggestions and bug reports
% - Norbert Preining, who tested & integrated patterns into TeX Live
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% However, the "copyright/copyleft" owner of patterns remains the original author.
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%
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% or ask for credentials for SVN repository and commit it yourself;
% we will then upload the whole "package" to CTAN.
%
% Before a new "pattern-revolution" starts,
% please try to follow some guidelines if possible:
%
% - lccode is *forbidden*, and I really mean it
% - all the patterns should be in UTF-8
% - the only "allowed" TeX commands in this file are: patterns, hyphenation,
%   and if you really cannot do without, also input and message
% - in particular, please no catcode or lccode changes,
%   they belong to loadhyph-foo.tex,

```



```

%      - << how to run TeX in a French environment: hyphenation, fonts,
%      typography. >> in Tugboat, 5 (1984) 91-102. and TeX85 conference
%      - << La division par ordinateur des mots francais :
%      application a TeX >> in TSI vol. 5 No 4, 1986 (C) AFCET-
%      Gauthier-Villars
% Norman Buckle, UQAH (nb; many additions)
% Michael Ferguson, INRS-Telecommunications (mjf) June 1988
% Justin Bur, Universite de Montreal (jbb; checked against original list)
%      all patterns including apostrophe missing from nb list
% after that, GUTenberg and specially Daniel Flipo and Bernard Gaulle
% did their best effort to improve the list of patterns.
%
% -----
%
% Adaption of these patterns for
% - TeX Version 3.x and MLTeX 3.x (2.x)
% and
% - all fonts in T1/'Cork' and/or CM/OT1 encoding
% by Bernd Raichle 1996/08/28 (using ideas from 'ghyph31.tex'
% as of 1994-02-13 maintained by Bernd Raichle).
% (An adaption for the old MLTeX 2.x exists but can not be
% tested in lack of an executable.)
%
% -----
%
```

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%
%
% First version: 1994
% Modified: June 2000 (minor changes)
% Modified: May 2006 (added copyright notice)
% Modified: June 2008 (changed encoding to utf-8)
%
% Please send wrongly hyphenated words and suggestions for
% corrections to the address given towards the beginning of this
% file.
%
%
% Note: The original name of this file was 'bghyphi.tex' which is
% part of the package 'bghyphen'. The package 'bghyphen' is now
% obsolete but it is still available on CTAN and currently (June 2008)
% gives the same hyphenation results.
%
%
%
% To make TeX use these patterns:
%
% (1) Make sure that the hyph-utf8 package is present in your TeX
% system.
```

```
%  
% (2) generate the necessary formats (TeX, LaTeX, pdfLaTeX, etc),  
%   instructing TeX to load 'loadhyph-bg.tex' for Bulgarian  
%   hyphenation.  
%  
% The LaTeX babel package sets lefthyphenmin and  
  
% when the language is switched to Bulgarian. Developers who write  
% support for Bulgarian outside LaTeX and/or babel need to take care  
% of this.  
%
```

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-----

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Catalan hyphenation patterns

(more info about the licence to be added later)

```
% This file is part of hyph-utf8 package and resulted from
% semi-manual conversions of hyphenation patterns into UTF-8 in June 2008.
%
% Source: cahyph.tex (2003-09-08)
% Author: GonÁal Badenes <g.badenes at ieee.org>
%
% The above mentioned file should become obsolete,
```

```
% and the author of the original file should preferaby modify this file instead.
%
% Modificatios were needed in order to support native UTF-8 engines,
% but functionality (hopefully) didn't change in any way, at least not intentionally.
% This file is no longer stand-alone; at least for 8-bit engines
% you probably want to use loadhyph-foo.tex (which will load this file) instead.
%
% Modifications were done by Jonathan Kew, Mojca Miklavec & Arthur Reutenauer
% with help & support from:
% - Karl Berry, who gave us free hands and all resources
% - Taco Hoekwater, with useful macros
% - Hans Hagen, who did the unicodification of patterns already long before
%       and helped with testing, suggestions and bug reports
% - Norbert Preining, who tested & integrated patterns into TeX Live
%
% However, the "copyright/copyleft" owner of patterns remains the original author.
%
% The copyright statement of this file is thus:
%
% Do with this file whatever needs to be done in future for the sake of
% "a better world" as long as you respect the copyright of original file.
% If you're the original author of patterns or taking over a new revolution,
% please remove all of the TUG comments & credits that we added here -
% you are the Queen / the King, we are only the servants.
%
% If you want to change this file, rather than uploading directly to CTAN,
% we would be grateful if you could send it to us (http://tug.org/tex-hyphen)
% or ask for credentials for SVN repository and commit it yourself;
% we will then upload the whole "package" to CTAN.
%
% Before a new "pattern-revolution" starts,
% please try to follow some guidelines if possible:
%
% - lccode is *forbidden*, and I really mean it
% - all the patterns should be in UTF-8
% - the only "allowed" TeX commands in this file are: patterns, hyphenation,
%   and if you really cannot do without, also input and message
% - in particular, please no catcode or lccode changes,
```

```

% they belong to loadhyph-foo.tex,
% and no lefthyphenmin and

% they have no influence here and belong elsewhere
% - begingroup and/or endinput is not needed
% - feel free to do whatever you want inside comments
%
% We know that TeX is extremely powerful, but give a stupid parser
% at least a chance to read your patterns.
%
% For more information see
%
% http://tug.org/tex-hyphen
%
%-----
%
% Hyphenation patterns for Catalan.
% This is version 1.11
% Compiled by GonÁal Badenes and Francina Turon,
%   December 1991-January 1995.
%
% Copyright (C) 1991-2003 GonÁal Badenes
%
% -----
% IMPORTANT NOTICE:
%
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% of the LaTeX Project Public License Distributed from CTAN
% archives in directory macros/latex/base/lppl.txt; either
% version 1 of the License, or any later version.
% -----
%
%====
%==== @TeX-hyphen-file{
%====   author      = "GonÁal Badenes",
%====   version    = "1.11",
%====   date       = "15 July 2003",
%====   time      = "15:08:12 CET",

```

```

%%% filename      = "cahyph.tex",
%%% email        = "g.badenes@ieee.org",
%%% codetable    = "UTF-8",
%%% keywords     = "TeX, hyphen, catalan",
%%% supported    = "yes",
%%% abstract     = "Catalan hyphenation patterns",
%%% docstring    = "This file contains the hyphenation patterns
%%%              for the catalan language",
%%% }
%%% =====
%
% NOTICE: Version 1.11 is identical to version 1.10 (issued on January 17,
%         1995) except for the updated copyright notice above.
%
% The macros used were created for ghyph31.tex by Bernd Raichle (see the
% German hyphenation pattern files for further details)
%
% This patterns have been created using standard, conservative
% hyphenation rules for catalan. The results have refined running them
% through patgen. In that way, the number of hits has been increased.
%
% These rules produce no wrong patterns (Results checked against the
% "Diccionari Ortogr\dx5 afic i de Pron\dx5 uncia", Enciclop\dx5 edia
% Catalana. The percentage of valid hyphen misses is lower than 1%
%
% Some of the patterns below represent combinations that never
% happen in Catalan. We have tried to keep them to a minimum.
%
% *** IMPORTANT ***
% lefthyphenmin and
%
% respectively. If you set them below these values incorrect breaks
% will happen (specially at the beginning of foreign words and words
% which begin with some prefixes).
% *** IMPORTANT ***
%
% Please report any problem you might have to the authors!!!
%
```



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Welsh hyphenation patterns

(more info about the licence to be added later)

```
%% hyph-cy.tex, Welsh hyphenation patterns
%% Copyright 1996 Yannis Haralambous
%% <yannis dat haralambous at telecom-bretagne dot eu>
%
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% conditions of the LaTeX Project Public License, either version 1.0
% of this license or (at your option) any later version.
% The latest version of this license is in
% http://www.latex-project.org/lppl.txt
%
% This work has the LPPL maintenance status 'maintained'.
%
```

```
% The Current Maintainer of this work (patterns) is Yannis Haralambous.  
%  
% This work consists of the file hyph-cy.tex and is part of hyph-utf8  
% maintained by tex-hyphen team which also contains derived files.  
%  
% For more unformation see  
%  
% http://tug.org/tex-hyphen  
%  
% CHANGES:  
% - 1996 - last change to patterns  
% - 2008 - inclusion into hyph-utf8 and file rename (cyhyph.tex -> hyph-cy.tex)  
% - June 2011 - added LPPL licence
```

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-----  
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Danish hyphenation patterns

(more info about the licence to be added later)

% This file is part of hyph-utf8 package and resulted from  
% semi-manual conversions of hyphenation patterns into UTF-8 in June 2008.  
%  
% Source: dkcommon.tex (yyyy-mm-dd), dkspecial.tex (yyyy-mm-dd)  
% Author: Frank Jensen <frank.jensen at hugin.com>



```

%
% The above mentioned file should become obsolete,
% and the author of the original file should preferaby modify this file instead.
%
% Modificatiois were needed in order to support native UTF-8 engines,
% but functionality (hopefully) didn't change in any way, at least not intentionally.
% This file is no longer stand-alone; at least for 8-bit engines
% you probably want to use loadhyph-foo.tex (which will load this file) instead.
%
% Modifications were done by Jonathan Kew, Mojca Miklavec & Arthur Reutenauer
% with help & support from:
% - Karl Berry, who gave us free hands and all resources
% - Taco Hoekwater, with useful macros
% - Hans Hagen, who did the unicodification of patterns already long before
%       and helped with testing, suggestions and bug reports
% - Norbert Preining, who tested & integrated patterns into TeX Live
%
% However, the "copyright/copyleft" owner of patterns remains the original author.
%
% The copyright statement of this file is thus:
%
% Do with this file whatever needs to be done in future for the sake of
% "a better world" as long as you respect the copyright of original file.
% If you're the original author of patterns or taking over a new revolution,
% please remove all of the TUG comments & credits that we added here -
% you are the Queen / the King, we are only the servants.
%
% If you want to change this file, rather than uploading directly to CTAN,
% we would be grateful if you could send it to us (http://tug.org/tex-hyphen)
% or ask for credentials for SVN repository and commit it yourself;
% we will then upload the whole "package" to CTAN.
%
% Before a new "pattern-revolution" starts,
% please try to follow some guidelines if possible:
%
% - lccode is *forbidden*, and I really mean it
% - all the patterns should be in UTF-8
% - the only "allowed" TeX commands in this file are: patterns, hyphenation,

```

```

% and if you really cannot do without, also input and message
% - in particular, please no catcode or lccode changes,
% they belong to loadhyph-foo.tex,
% and no lefthyphenmin and

% they have no influence here and belong elsewhere
% - begingroup and/or endinput is not needed
% - feel free to do whatever you want inside comments
%
% We know that TeX is extremely powerful, but give a stupid parser
% at least a chance to read your patterns.
%
% For more unformation see
%
% http://tug.org/tex-hyphen
%
%-----
%
% This file contains the hyphenation patterns for Danish.
%
%% Copyright 1994 Frank Jensen (Frank.Jensen@hugin.com)
%
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% conditions of the LaTeX Project Public License, either version 1.3
% of this license or (at your option) any later version.
% The latest version of this license is in
% http://www.latex-project.org/lppl.txt
% and version 1.3 or later is part of all distributions of LaTeX
% version 2003/12/01 or later.
%
% Changes:
% - 2011-01-11 - remove support for OT1 encoding
%

```

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German hyphenation patterns (traditional orthography)

(more info about the licence to be added later)

% dehyph-t-x-2011-06-01.pat

message{German Hyphenation Patterns (Traditional Orthography) 'dehyph-t-x' 2011-06-01 (WL)}

% TeX-Trennmuster für die traditionelle deutsche Rechtschreibung

%

%

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%

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% archives in directory macros/latex/base/lppl.txt; either

% version 1 of the License, or any later version.

%

%

% The word list is available from

%

% <http://repo.or.cz/w/wortliste.git?a=commit;h=2d246449f5c4f570f4d735d3ad091f6ad70f6972>

%

% The used patgen parameters are

%

% 1 1 | 2 5 | 1 1 1

% 2 2 | 2 5 | 1 2 1

```
% 3 3 | 2 6 | 1 1 1
% 4 4 | 2 6 | 1 4 1
% 5 5 | 2 7 | 1 1 1
% 6 6 | 2 7 | 1 6 1
% 7 7 | 2 13 | 1 4 1
% 8 8 | 2 13 | 1 8 1
```

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German hyphenation patterns (reformed orthography)

(more info about the licence to be added later)

% dehyphn-x-2011-06-01.pat

message{German Hyphenation Patterns (Reformed Orthography, 2006) 'dehyphn-x' 2011-06-01 (WL)}

% TeX-Trennmuster f,r die reformierte (2006) deutsche Rechtschreibung

%

%

% Copyright (C) 2007, 2008, 2009, 2011 Werner Lemberg <wl@gnu.org>

%

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% archives in directory macros/latex/base/lppl.txt; either

```

% version 1 of the License, or any later version.
%
%
% The word list is available from
%
% http://repo.or.cz/w/wortliste.git?a=commit;h=2d246449f5c4f570f4d735d3ad091f6ad70f6972
%
% The used patgen parameters are
%
% 1 1 | 2 5 | 1 1 1
% 2 2 | 2 5 | 1 2 1
% 3 3 | 2 6 | 1 1 1
% 4 4 | 2 6 | 1 4 1
% 5 5 | 2 7 | 1 1 1
% 6 6 | 2 7 | 1 6 1
% 7 7 | 2 13 | 1 4 1
% 8 8 | 2 13 | 1 8 1

```

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Swiss-German hyphenation patterns (traditional orthography)

(more info about the licence to be added later)

% dehyphts-x-2011-06-01.pat



```
message{Swiss-German Hyphenation Patterns (Traditional Orthography) 'dehyphts-x' 2011-06-01
(WL)}
```

```
% TeX-Trennmuster f,r die traditionelle deutsch-schweizerische
```

```
% Rechtschreibung
```

```
%
```

```
%
```

```
% Copyright (C) 2009, 2011 Werner Lemberg <wl@gnu.org>
```

```
%
```

```
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```

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```
% archives in directory macros/latex/base/lppl.txt; either
```

```
% version 1 of the License, or any later version.
```

```
%
```

```
%
```

```
% The word list is available from
```

```
%
```

```
% http://repo.or.cz/w/wortliste.git?a=commit;h=2d246449f5c4f570f4d735d3ad091f6ad70f6972
```

```
%
```

```
% The used patgen parameters are
```

```
%
```

```
% 1 1 | 2 5 | 1 1 1
```

```
% 2 2 | 2 5 | 1 2 1
```

```
% 3 3 | 2 6 | 1 1 1
```

```
% 4 4 | 2 6 | 1 4 1
```

```
% 5 5 | 2 7 | 1 1 1
```

```
% 6 6 | 2 7 | 1 6 1
```

```
% 7 7 | 2 13 | 1 4 1
```

```
% 8 8 | 2 13 | 1 8 1
```

hyph\_en\_US.dic - American English hyphenation patterns for OpenOffice.org

version 2010-02-23

Changes

- set correct LEFTHYPHENMIN = 2, RIGHTHYPHENMIN = 3

- handle apostrophes (forbid \*o'=clock etc.)
- set COMPOUNDFLETHYPHENMIN, COMPOUNDRIGHTHYPHENMIN values
- UTF-8 encoding
- Unicode ligature support

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Conversion and modifications by L. szilárd Németh (nemeth at OOo).

Based on the plain TeX hyphenation table (<http://tug.ctan.org/text-archive/macros/plain/base/hyphen.tex>) and the TugBoat hyphenation exceptions log in <http://www.ctan.org/tex-archive/info/digests/tugboat/tb0hyf.tex>, processed by the hyphenex.sh script (see in the same directory).

Originally developed and distributed with the Hyphen hyphenation library, see <http://hunspell.sourceforge.net/> for the source files and the conversion scripts.

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hyphen.tex:

```
% The Plain TeX hyphenation tables [NOT TO BE CHANGED IN ANY WAY!]  
% Unlimited copying and redistribution of this file are permitted as long  
% as this file is not modified. Modifications are permitted, but only if  
% the resulting file is not named hyphen.tex.
```

output of hyphenex.sh:

```
% Hyphenation exceptions for US English, based on hyphenation exception  
% log articles in TUGboat.  
%  
% Copyright 2007 TeX Users Group.  
% You may freely use, modify and/or distribute this file.
```

%  
% This is an automatically generated file. Do not edit!  
%  
% Please contact the TUGboat editorial staff <tugboat@tug.org>  
% for corrections and omissions.

hyph\_en\_US.txt:  
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-----

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Esperanto hyphenation patterns

(more info about the licence to be added later)

```
% This file is part of hyph-utf8 package and resulted from
% semi-manual conversions of hyphenation patterns into UTF-8 in June 2008.
%
% See http://tug.org/tex-hyphen and other files in the package
%
% However, this file does not comply with rules of other patterns
% as it still uses TeX macros, and a dedicated converter would be needed
% to convert patterns into OponOffice-friendly form for example.
%
% But it should work OK with both 8-bit engines (TeX, pdfTeX, ...)
```

```

% as well as with native UTF-8 ones (XeTeX, LuaTeX, ...)
%
%-----
%
% message{Esperanto Hyphenation Patterns 'eohyph', 1999-08-10}
%
% Copyright (C) 1999 Sergei B. Pokrovsky <pok@iis.nsk.su>
%
% This program can be redistributed and/or modified under the terms
% of the LaTeX Project Public License Distributed from CTAN
% archives in directory macros/latex/base/lppl.txt; either
% version 1 of the License, or any later version.
%
% More documentation can be found near the end of this file.
%
begingroup
% Makrooj por la fina&#309;oj:
defadj#1{#1a. #1aj. #1ajn. #1an. #1e.}
edef

defver#1{#1as. #1i. #1is. #1os. #1u. #1us.}
%
```

License information for hyph\_es.dic:

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-----  
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## Spanish hyphenation patterns

(more info about the licence to be added later)

```
% DIVISI'ON DE PALABRAS
% ~~~~~
% hyph-es.tex 4.6
% This files corresponds to eshyph.tex 4.6.
%
% (c) Javier Bezos 1993 1997.
% (c) Javier Bezos and CervanTeX 2001-2010
% Some parts, (c) by Francesc Carmona
% Licence: LPPL
%
% For further info, bug reports and comments:
%
%   http://www.tex-tipografia.com/spanish_hyphen.html
%
% I would like to thanks Francesc Carmona for his permission
% to steal parts of his work without restrictions.
%
% 2010-05-18
%
% _____
% Javier Bezos      | http://www.cervantex.es/
% .....
% TeX y tipografia  | http://www.tex-tipografia.com/
```

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use your version of this file under the terms of the MPL, indicate your  
decision by deleting the provisions above and replace them with the notice  
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Estonian hyphenation patterns

(more info about the licence to be added later)

```
% This file is part of hyph-utf8 package and resulted from
% semi-manual conversions of hyphenation patterns into UTF-8 in June 2008.
%
% Source: eehyph.tex (2004-04-13)
% Author: Een Saar <saar at aai dot ee>
%
% The above mentioned file should become obsolete,
% and the author of the original file should preferaby modify this file instead.
%
% Modificatios were needed in order to support native UTF-8 engines,
% but functionality (hopefully) didn't change in any way, at least not intentionally.
% This file is no longer stand-alone; at least for 8-bit engines
% you probably want to use loadhyph-foo.tex (which will load this file) instead.
%
% Modifications were done by Jonathan Kew, Mojca Miklavec & Arthur Reutenauer
% with help & support from:
% - Karl Berry, who gave us free hands and all resources
% - Taco Hoekwater, with useful macros
% - Hans Hagen, who did the unicodification of patterns already long before
%       and helped with testing, suggestions and bug reports
% - Norbert Preining, who tested & integrated patterns into TeX Live
%
% However, the "copyright/copyleft" owner of patterns remains the original author.
%
% The copyright statement of this file is thus:
%
% Do with this file whatever needs to be done in future for the sake of
% "a better world" as long as you respect the copyright of original file.
% If you're the original author of patterns or taking over a new revolution,
```

```
% please remove all of the TUG comments & credits that we added here -
% you are the Queen / the King, we are only the servants.
%
% If you want to change this file, rather than uploading directly to CTAN,
% we would be grateful if you could send it to us (http://tug.org/tex-hyphen)
% or ask for credentials for SVN repository and commit it yourself;
% we will then upload the whole "package" to CTAN.
%
% Before a new "pattern-revolution" starts,
% please try to follow some guidelines if possible:
%
% - lccode is *forbidden*, and I really mean it
% - all the patterns should be in UTF-8
% - the only "allowed" TeX commands in this file are: patterns, hyphenation,
%   and if you really cannot do without, also input and message
% - in particular, please no catcode or lccode changes,
%   they belong to loadhyph-foo.tex,
%   and no lefthyphenmin and

% they have no influence here and belong elsewhere
% - begingroup and/or endinput is not needed
% - feel free to do whatever you want inside comments
%
% We know that TeX is extremely powerful, but give a stupid parser
% at least a chance to read your patterns.
%
% For more unformation see
%
% http://tug.org/tex-hyphen
%
%-----
%
% Estonian hyphenation patterns
% Copyright 2003 Een Saar
%
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% license or (at your option) any later version. The latest version
```

```

% of this license is in http://www.latex-project.org/lppl.txt and
% version 1.3 or later is part of all distributions of LaTeX
% version 2003/12/01 or later.
%
% This work has the LPPL maintenance status "author-maintained".
% This work consists of this file only (eehyph.tex).
%
% The patterns were generated long ago by applying patgen to
% an Estonian dictionary; a few patterns were added later manually
% to prohibit aa-bits type cases.
% Declare the special characters
%
```

License information for hyph\_fi.dic:

This file is based on the Finnish hyphenation patterns for OpenOffice.org,  
which in turn are based on patterns for TeX.

-----

At the time this file was first modified, a complete, unmodified copy of  
the original work was available from:  
<http://openoffice.org/bugzilla/attachment.cgi?id=42837>

-----

This work was donated into the Public Domain by its author:

```

%
% -----> Finnish hyphenation patterns for MLPCTeX <-----
%
% + January 1986: first release by Kauko Saarinen,
% Computing Centre, University of Jyvaskyla, Finland
%
% + January 1988: completely rewritten by Kauko Saarinen.
% The new patterns make much less mistakes with foreign
% and compound words. The article "Automatic Hyphenation
% of Finnish" by Professor Fred Karlsson is also referred
```

```
%  
% + 8th March 1989 (vers. 2.2): some vowel triples added by  
% Kauko Saarinen based on Fred Karlsson's ideas  
%  
% + 9th January 1995: added ucode and lcode by Thomas Esser  
%  
% + 24th May 2004: changelog reformatted for disambiguation and  
% Thomas Esser's [u/l]code changes complete rewritten to make  
% certain Saarinen is the sole copyright owner of the file again,  
% by Jarno Elonen (who donated all his modification works into  
% the Public Domain.)  
%  
% + 24th May 2004: rewrote donated into the Public Domain  
% by Kauko Saarinen  
%  
% This file/works is donated completely into the Public Domain.  
% However, the author kindly asks that any modifications be  
% voluntarily reported by logging them above, if possible.  
%  
%
```

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French hyphenation patterns (V2.12, 2002/12/11)

(more info about the licence to be added later)

```
% This file is part of hyph-utf8 package and resulted from
% semi-manual conversions of hyphenation patterns into UTF-8 in June 2008.
%
% Source: frhyph.tex <2006-10-20>
% Author: R. Bastian, D. Flipo, B. Gaulle <cesure-l at gutenberg.eu.org>
%
% The above mentioned file should become obsolete,
% and the author of the original file should preferaby modify this file instead.
%
% Modificatios were needed in order to support native UTF-8 engines,
% but functionality (hopefully) didn't change in any way, at least not intentionally.
% This file is no longer stand-alone; at least for 8-bit engines
% you probably want to use loadhyph-foo.tex (which will load this file) instead.
%
% Modifications were done by Jonathan Kew, Mojca Miklavec & Arthur Reutenauer
% with help & support from:
% - Karl Berry, who gave us free hands and all resources
% - Taco Hoekwater, with useful macros
% - Hans Hagen, who did the unicodification of patterns already long before
%   and helped with testing, suggestions and bug reports
% - Norbert Preining, who tested & integrated patterns into TeX Live
%
% However, the "copyright/copyleft" owner of patterns remains the original author.
%
% The copyright statement of this file is thus:
%
% Do with this file whatever needs to be done in future for the sake of
% "a better world" as long as you respect the copyright of original file.
% If you're the original author of patterns or taking over a new revolution,
% please remove all of the TUG comments & credits that we added here -
% you are the Queen / the King, we are only the servants.
%
% If you want to change this file, rather than uploading directly to CTAN,
% we would be grateful if you could send it to us (http://tug.org/tex-hyphen)
% or ask for credentials for SVN repository and commit it yourself;
```





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(copied verbatim from hyph-gl.lic.txt in the original work):

Galician hyphenation patterns

(more info about the licence to be added later)

% This is the file hyph-gl.tex, version 2.4  
% Hyphenation patterns for Galician, written in the utf8 encoding.  
%  
% Generated with the mkpattern utility (v. 1.2), on 2010/04/23  
% The original source file were glpatter-utf8.tex  
% This is a generated file  
%  
% (c) Javier A. MŽgica; 2006, 2007, 2008, 2010  
% License: LPPL version 1.3  
%  
% LPPL maintenance status: maintained  
% Current Maintainer: Javier A. MŽgica  
%  
% For bug reports and comments:  
%  
% Javier MŽgica, javier at digi21.eu  
%  
% Note that there is no 'j' nor 'y' in Galician

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Croatian hyphenation patterns

(more info about the licence to be added later)

```
%
% Hyphenation patterns for Croatian language
%
% Copyright (C) 1994, 1996, 2011 Igor Marinovi&#263; <marinowski at gmail.com>
%
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% of the LaTeX Project Public License Distributed from CTAN
% archives in directory macros/latex/base/lppl.txt; either
% version 1 of the License, or any later version.
%
% Changes:
% - The first version was realised in late 1994.
% - Second, much more improved version was realised in the beginning of 1996.
% (Date of the last change: 19.03.1996).
% - In summer 2008 the patterns have been incorporated into hyph-utf8
% and renamed from hrhyph.tex to hyph-hr.tex.
% - LPPL licence added on 06.06.2011.
%
```

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-----

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Upper Sorbian hyphenation patterns (E. Werner)

(more info about the licence to be added later)

% This file is part of hyph-utf8 package and resulted from  
% semi-manual conversions of hyphenation patterns into UTF-8 in June 2008.  
%  
% Source: sorhyph.tex (1997-05-07)  
% Author: E. Werner  
%  
% The above mentioned file should become obsolete,  
% and the author of the original file should preferaby modify this file instead.  
%  
% Modificatios were needed in order to support native UTF-8 engines,  
% but functionality (hopefully) didn't change in any way, at least not intentionally.  
% This file is no longer stand-alone; at least for 8-bit engines  
% you probably want to use loadhyph-foo.tex (which will load this file) instead.  
%  
% Modifications were done by Jonathan Kew, Mojca Miklavec & Arthur Reutenauer  
% with help & support from:  
% - Karl Berry, who gave us free hands and all resources  
% - Taco Hoekwater, with useful macros  
% - Hans Hagen, who did the unicodification of patterns already long before  
%       and helped with testing, suggestions and bug reports

```
% - Norbert Preining, who tested & integrated patterns into TeX Live
%
% However, the "copyright/copyleft" owner of patterns remains the original author.
%
% The copyright statement of this file is thus:
%
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% If you're the original author of patterns or taking over a new revolution,
% please remove all of the TUG comments & credits that we added here -
% you are the Queen / the King, we are only the servants.
%
% If you want to change this file, rather than uploading directly to CTAN,
% we would be grateful if you could send it to us (http://tug.org/tex-hyphen)
% or ask for credentials for SVN repository and commit it yourself;
% we will then upload the whole "package" to CTAN.
%
% Before a new "pattern-revolution" starts,
% please try to follow some guidelines if possible:
%
% - lccode is *forbidden*, and I really mean it
% - all the patterns should be in UTF-8
% - the only "allowed" TeX commands in this file are: patterns, hyphenation,
% and if you really cannot do without, also input and message
% - in particular, please no catcode or lccode changes,
% they belong to loadhyph-foo.tex,
% and no lefthyphenmin and

% they have no influence here and belong elsewhere
% - begingroup and/or endinput is not needed
% - feel free to do whatever you want inside comments
%
% We know that TeX is extremely powerful, but give a stupid parser
% at least a chance to read your patterns.
%
% For more information see
%
% http://tug.org/tex-hyphen
```

```

%
%-----
%
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% conditions of the LaTeX Project Public License, either version 1.3a
% of this license or (at your option) any later version.
% The latest version of this license is in
% http://www.latex-project.org/lppl.txt
% and version 1.3 or later is part of all distributions of LaTeX
% version 2005/12/01 or later.
% message{Hyphenation patterns for Upper Sorbian, E. Werner}
% message{Completely new revision 1997, March 22}
%
% &#269; - ccaron
% &#263; - cacute
% &#283; - ecaron
% &#322; - lslash
% &#324; - nacute
% Ů - oacute
% &#345; - rcaron
% &#154; - scaron
% &#158; - zcaron
% &#378; - zacute
%

```

License information for hyph\_hu.dic:

Derived from hyph\_hu.tex in the "huhyphn" package <<https://github.com/nagybence/huhyphn>> ,  
by processing the TeX hyphenation patterns with substrings.pl.

```

% Huhypn - hungarian hyphenation patterns v20110815
%
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%
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% 1.1 (the "License"); you may not use this file except in compliance with

```

```
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%
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%
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%
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%
```

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```
% Huhypn - hungarian hyphenation patterns v20110815
%
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%
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%
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-----

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Hyphenation patterns for Interlingua

(more info about the licence to be added later)

```
% This file is part of hyph-utf8 package and resulted from
% semi-manual conversions of hyphenation patterns into UTF-8 in June 2008.
%
% Source: iaHyphen.tex (2005-06-28)
% Author: Peter Kleiweg <p.c.j.kleiweg at rug.nl>
%
% The above mentioned file should become obsolete,
% and the author of the original file should preferably modify this file instead.
%
% Modifications were needed in order to support native UTF-8 engines,
% but functionality (hopefully) didn't change in any way, at least not intentionally.
% This file is no longer stand-alone; at least for 8-bit engines
% you probably want to use loadhyph-foo.tex (which will load this file) instead.
%
% Modifications were done by Jonathan Kew, Mojca Miklavcic & Arthur Reutenauer
% with help & support from:
% - Karl Berry, who gave us free hands and all resources
```

```
% - Taco Hoekwater, with useful macros
% - Hans Hagen, who did the unicodification of patterns already long before
%       and helped with testing, suggestions and bug reports
% - Norbert Preining, who tested & integrated patterns into TeX Live
%
% However, the "copyright/copyleft" owner of patterns remains the original author.
%
% The copyright statement of this file is thus:
%
% Do with this file whatever needs to be done in future for the sake of
% "a better world" as long as you respect the copyright of original file.
% If you're the original author of patterns or taking over a new revolution,
% please remove all of the TUG comments & credits that we added here -
% you are the Queen / the King, we are only the servants.
%
% If you want to change this file, rather than uploading directly to CTAN,
% we would be grateful if you could send it to us (http://tug.org/tex-hyphen)
% or ask for credentials for SVN repository and commit it yourself;
% we will then upload the whole "package" to CTAN.
%
% Before a new "pattern-revolution" starts,
% please try to follow some guidelines if possible:
%
% - lccode is *forbidden*, and I really mean it
% - all the patterns should be in UTF-8
% - the only "allowed" TeX commands in this file are: patterns, hyphenation,
%   and if you really cannot do without, also input and message
% - in particular, please no catcode or lccode changes,
%   they belong to loadhyph-foo.tex,
%   and no lefthyphenmin and
%
%   they have no influence here and belong elsewhere
% - begingroup and/or endinput is not needed
% - feel free to do whatever you want inside comments
%
% We know that TeX is extremely powerful, but give a stupid parser
% at least a chance to read your patterns.
%
```

```
% For more unformation see
%
% http://tug.org/tex-hyphen
%
%-----
%
% File: iahyphen.tex
% TeX hyphenation patterns for Interlingua.
% Version 0.2b. Released 3 July 2001.
% version 0.2c Released 28 June 2005 (added LPPL header)
% Created by Peter Kleiweg, p.c.j.kleiweg at rug.nl
% About Interlingua: http://www.interlingua.com/
%
% iffalse meta-comment
%
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%
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% -----
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% http://www.latex-project.org/lppl.txt
% and version 1.3 or later is part of all distributions of LaTeX
% version 2003/12/01 or later.
%
% This work has the LPPL maintenance status "maintained".
%
% The Current Maintainer of this work is Peter Kleiweg.
%
% The list of all files belonging to the Babel system is
% given in the file 'manifest.bbl'. See also 'legal.bbl' for additional
% information.
%
% fi
```

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Icelandic hyphenation patterns

(more info about the licence to be added later)

```
% This file is part of hyph-utf8 package and resulted from
% semi-manual conversions of hyphenation patterns into UTF-8 in June 2008.
%
% Source: icehyph.tex (2004-03-08)
% Author: Jorgen Pind <jorgen at lexis.hi.is>
%
% The above mentioned file should become obsolete,
% and the author of the original file should preferaby modify this file instead.
%
% Modificatios were needed in order to support native UTF-8 engines,
% but functionality (hopefully) didn't change in any way, at least not intentionally.
% This file is no longer stand-alone; at least for 8-bit engines
% you probably want to use loadhyph-foo.tex (which will load this file) instead.
%
% Modifications were done by Jonathan Kew, Mojca Miklavec & Arthur Reutenauer
% with help & support from:
% - Karl Berry, who gave us free hands and all resources
% - Taco Hoekwater, with useful macros
% - Hans Hagen, who did the unicodification of patterns already long before
```

```
%          and helped with testing, suggestions and bug reports
% - Norbert Preining, who tested & integrated patterns into TeX Live
%
% However, the "copyright/copyleft" owner of patterns remains the original author.
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%
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% or ask for credentials for SVN repository and commit it yourself;
% we will then upload the whole "package" to CTAN.
%
% Before a new "pattern-revolution" starts,
% please try to follow some guidelines if possible:
%
% - lccode is *forbidden*, and I really mean it
% - all the patterns should be in UTF-8
% - the only "allowed" TeX commands in this file are: patterns, hyphenation,
%   and if you really cannot do without, also input and message
% - in particular, please no catcode or lccode changes,
%   they belong to loadhyph-foo.tex,
%   and no lefthyphenmin and
%
%   they have no influence here and belong elsewhere
% - begingroup and/or endinput is not needed
% - feel free to do whatever you want inside comments
%
% We know that TeX is extremely powerful, but give a stupid parser
% at least a chance to read your patterns.
%
% For more unformation see
%
```



```

% http://tug.org/tex-hyphen
%
%-----
%
% The Icelandic Plain TeX hyphenation tables
% as of Nov 2 1988.
% Jorgen Pind, Institute of Lexicography, Univ. of Iceland
% jorgen@lexis.hi.is (Internet)
%
% Mar 2 2004: Uploaded a new version to CTAN, with a clarified license
% statement, at the request of the author, Jorgen Pind.
% Kristinn Gylfason (kristgy@ieee.org)

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% version 1999/12/01 or later.
%
```

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Italian hyphenation patterns

(more info about the licence to be added later)

```
% hyph-it.tex
%
% Italian hyphenation patterns
%
% This file is part of the hyph-utf8 package.
% For more unformation see
%
% http://tug.org/tex-hyphen
%
%-----
%
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%
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%
% This Current Maintainer of this work is Claudio Beccari
% e-mail: claudio dot beccari at gmail dot com
%
% This work consists of the single file hyph-it.tex.
%
% versionnumber{4.8i} versiondate{2011/08/16}
%
% These hyphenation patterns for the Italian language are supposed to comply
% with the Recommendation UNI 6461 on hyphenation issued by the Italian
% Standards Institution (Ente Nazionale di Unificazione UNI). No guarantee
% or declaration of fitness to any particular purpose is given and any
% liability is disclaimed.
```

```
%  
% ChangeLog:  
% - 2011-08-16 - Change the licence from GNU LGPL into LPPL v1.3.  
% - 2010-05-24 - Fix for Italian patterns for proper hyphenation of -ich and Ljubljana.  
% - 2008-06-09 - Import of original ithyph.tex into hyph-utf8 package.  
% - 2008-03-08 - (last change in ithyph.tex)  
%
```

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Kurmanji hyphenation patterns (v. 1.0 2009/06/29 JKn and MSh)

(more info about the licence to be added later)

```
% hyph-kmr.tex
%
% Hyphenation patterns for Kurmanji (Northern Kurdish)
%
% (as spoken in Turkey and by the Kurdish diaspora in Europe).
% The patterns are generated by patgen from a word list of approx. 2500
% hyphenated words provided by Medeni Shemdî
%
% Copyright 2009 Jörg Knappen and Medeni Shemdî
%
% These patterns are free software under the LaTeX Project Public Licence
```

```
% (LPPL) version 1.3
%
% This work has the LPPL maintenance status 'maintained'.
%
% The Current Maintainer of patterns is J^rg Knappen,
% maintainers of UTF-8 version are authors of hyph-utf8 package.
%
% For more information see
%
% http://tug.org/tex-hyphen
%
% The patterns were generated by J^rg Knappen with patgen using
% a list of 2.5k hyphenated Kurmanji words provided by Medeni Shemd^i.
%
% For 8-bit engines the T1 (Cork) encoding is needed
% for the special letters occurring in the Kurmanji alphabet.
%
% message{Kurmanji hyphenation patterns kmrhyph v. 1.0 2009/06/29 JK^n and MSh}
```

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Latin hyphenation patterns

(more info about the licence to be added later)

```
% This file is part of hyph-utf8 package and resulted from
% semi-manual conversions of hyphenation patterns into UTF-8 in June 2008.
%
% Source: lahyph.tex (2007-09-03)
% Author: Claudio Beccari <claudio.beccari at polito.it>
%
% The above mentioned file should become obsolete,
% and the author of the original file should preferaby modify this file instead.
%
% Modificatios were needed in order to support native UTF-8 engines,
% but functionality (hopefully) didn't change in any way, at least not intentionally.
% This file is no longer stand-alone; at least for 8-bit engines
% you probably want to use loadhyph-foo.tex (which will load this file) instead.
%
% Modifications were done by Jonathan Kew, Mojca Miklavc & Arthur Reutenauer
% with help & support from:
% - Karl Berry, who gave us free hands and all resources
% - Taco Hoekwater, with useful macros
% - Hans Hagen, who did the unicodification of patterns already long before
%       and helped with testing, suggestions and bug reports
% - Norbert Preining, who tested & integrated patterns into TeX Live
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%
% If you want to change this file, rather than uploading directly to CTAN,
% we would be grateful if you could send it to us (http://tug.org/tex-hyphen)
% or ask for credentials for SVN repository and commit it yourself;
% we will then upload the whole "package" to CTAN.
%
```



```

% Before a new "pattern-revolution" starts,
% please try to follow some guidelines if possible:
%
% - lcode is *forbidden*, and I really mean it
% - all the patterns should be in UTF-8
% - the only "allowed" TeX commands in this file are: patterns, hyphenation,
%   and if you really cannot do without, also input and message
% - in particular, please no catcode or lcode changes,
%   they belong to loadhyph-foo.tex,
%   and no lefthyphenmin and

%   they have no influence here and belong elsewhere
% - begingroup and/or endinput is not needed
% - feel free to do whatever you want inside comments
%
% We know that TeX is extremely powerful, but give a stupid parser
% at least a chance to read your patterns.
%
% For more unformation see
%
%   http://tug.org/tex-hyphen
%
%-----
%
%               ***** lahyph.tex *****
%
% Copyright 1999- 2001 Claudio Beccari
%               [latin hyphenation patterns]
%
%-----
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%
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% of the LaTeX Project Public License Distributed from CTAN
% archives in directory macros/latex/base/lppl.txt; either
% version 1 of the License, or any later version.
%-----
%

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and the original Lithuanian TeX package (from which this was derived) was available from:

<http://www.vtex.lt/tex/distfiles/litex-20081028.tar.gz>

-----

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Lithuanian hyphenation patterns

(more info about the licence to be added later)

% This file is part of hyph-utf8 package and resulted from

% semi-manual conversions of hyphenation patterns into UTF-8

% in October 2008 by Mojca & Arthur.

%

% Source available on:

% - <http://www.vtex.lt/tex/litex/index.html>

%

% Authors:

%

% First version in LT encoding (modified T1):

% - Vytas Statulevičius <vytas at vtex.lt>

% - Yannis Haralambous

% (Vilnius, March 4, 1992)

% Conversion into Latin 7 and additional support files (babel, fonts):

% - Sigitas Tolusis <sigitas at vtex.lt>

% (2002-11-20)

% Adaptation for hyph-utf8:

% - Mojca & Arthur (see below), October 2008

%

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% we will then upload the whole "package" to CTAN.
%
% For more unformation see
%
% http://tug.org/tex-hyphen
%
%-----
%
% A note about lefthyphenmin/righthyphenmin (by Sigitas, February 2009):
%
% At the moment the lefthyphenmin & righthyphenmin are both set to 2.
% The Lithuanian patterns were build earlier then the latest grammatical rules
% took place in 1997. At that time it was forbidden to leave one character at boundary.
% One may change it to one now, but from typographical point of view there is no need to do
% any changes. Even more, changing lefthyphen and righthyphen to 1 requires
% to review and maybe rebuild the patterns file.
%
%-----

```

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Jonathan Kew <jfkthame@gmail.com>

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-----  
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(New) Mongolian hyphenation patterns

(more info about the licence to be added later)

```
% This file is part of hyph-utf8 package and resulted from
% semi-manual conversions of hyphenation patterns into UTF-8 in June 2008.
%
% Source: mnhyphn.tex (2008-03-30)
% Author: Dorjgotov Batmunkh <bataak at gmail.com>
%
% The above mentioned file should become obsolete,
% and the author of the original file should preferaby modify this file instead.
%
% Modificatios were needed in order to support native UTF-8 engines,
% but functionality (hopefully) didn't change in any way, at least not intentionally.
% This file is no longer stand-alone; at least for 8-bit engines
% you probably want to use loadhyph-foo.tex (which will load this file) instead.
%
% Modifications were done by Jonathan Kew, Mojca Miklavec & Arthur Reutenauer
% with help & support from:
% - Karl Berry, who gave us free hands and all resources
% - Taco Hoekwater, with useful macros
% - Hans Hagen, who did the unicodification of patterns already long before
%       and helped with testing, suggestions and bug reports
% - Norbert Preining, who tested & integrated patterns into TeX Live
%
% However, the "copyright/copyleft" owner of patterns remains the original author.
%
% The copyright statement of this file is thus:
%
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% If you're the original author of patterns or taking over a new revolution,
% please remove all of the TUG comments & credits that we added here -
% you are the Queen / the King, we are only the servants.
%
% If you want to change this file, rather than uploading directly to CTAN,
```

```

% we would be grateful if you could send it to us (http://tug.org/tex-hyphen)
% or ask for credentials for SVN repository and commit it yourself;
% we will then upload the whole "package" to CTAN.
%
% Before a new "pattern-revolution" starts,
% please try to follow some guidelines if possible:
%
% - lccode is *forbidden*, and I really mean it
% - all the patterns should be in UTF-8
% - the only "allowed" TeX commands in this file are: patterns, hyphenation,
%   and if you really cannot do without, also input and message
% - in particular, please no catcode or lccode changes,
%   they belong to loadhyph-foo.tex,
%   and no lefthyphenmin and

%   they have no influence here and belong elsewhere
% - begingroup and/or endinput is not needed
% - feel free to do whatever you want inside comments
%
% We know that TeX is extremely powerful, but give a stupid parser
% at least a chance to read your patterns.
%
% For more information see
%
% http://tug.org/tex-hyphen
%
%-----
%
%% mnhyphn.tex v1.2 2008/03/23 (2010/04/03)
%% Copyright 2007-2010 by Dorjgotov Batmunkh, National University of Mongolia
%% email bataak@gmail.com
%
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% The latest version of this license is in
% http://www.latex-project.org/lppl.txt
% and version 1.3 or later is part of all distributions of LaTeX

```



```

% version 2005/12/01 or later.
%
% Special thanks to: Jim Hefferon and Robin Fairbairns
%
% There are few basic rules in mongolian
%
% 1. If there is a consonant then it can use hyphen before it.
%   And if there're two consonants then it can use hyphen before second consonant.
%   Are there three consonants then it can put hyphen before third consonant,
%   also are there four consonants then it can use hyphen before fourth consonant.
% 2. In the case of hardsign or softsign, it's possible to hyphen after these signs.
%   For instance, &#1073;&#1072;&#1081;&#1075;&#1091;&#1091;&#1083;&#1098;-&#1103;,
%   &#1199;&#1079;&#1199;&#1199;&#1083;&#1100;-&#1077;
% 3. However one vowel can be belong to a syllable, it's not possible to use hyphen.
%

```

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Norwegian Bokmal hyphenation patterns

(more info about the licence to be added later)

```

% Adapted to the new pattern-loading scheme.
% Original file name was nbhyph.tex

```

```
% TeX hyphenation patterns for Norwegian Bokmal
%
% Version 2007-02-10
%
% Copyright (C) 2007 Karl Ove Hufthammer.
% Copying and distribution of this file, with or without modification,
% are permitted in any medium without royalty, provided the copyright
% notice and this notice are preserved.
%
% This file contains hyphenation patterns for Norwegian Bokmal.
% It uses the Norwegian hyphenation patterns from nohyphbx.tex,
% created by Rune Kleveland and Ole Michael Selberg. Please see
% that file for copyright information on those patterns.
%
% The patterns in nohyphbx are based on both Norwegian Bokmal
% and Norwegian Nynorsk, and works about equally well for both
% languages. This file, nbhyph.tex, contains only a few hyphenation
% exceptions, for words that needs to be hyphenated differently for
% the two languages.
%
% Please send bugs or suggestions to karl@huftis.org.
%

input hyph-no.tex

hyphenation{
at-ten-de
be-tre
}

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Dutch hyphenation patterns

(more info about the licence to be added later)

```
% This file is part of hyph-utf8 package and resulted from
% semi-manual conversions of hyphenation patterns into UTF-8 in June 2008.
%
% Source: nehyph96.tex (yyyy-mm-dd)
% Author: Piet Tutelaers
%
% The above mentioned file should become obsolete,
% and the author of the original file should preferaby modify this file instead.
%
% Modificatios were needed in order to support native UTF-8 engines,
% but functionality (hopefully) didn't change in any way, at least not intentionally.
% This file is no longer stand-alone; at least for 8-bit engines
% you probably want to use loadhyph-foo.tex (which will load this file) instead.
%
% Modifications were done by Jonathan Kew, Mojca Miklavec & Arthur Reutenauer
% with help & support from:
% - Karl Berry, who gave us free hands and all resources
% - Taco Hoekwater, with useful macros
% - Hans Hagen, who did the unicodifisation of patterns already long before
%       and helped with testing, suggestions and bug reports
% - Norbert Preining, who tested & integrated patterns into TeX Live
%
% However, the "copyright/copyleft" owner of patterns remains the original author.
%
% The copyright statement of this file is thus:
%
```

```

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% you are the Queen / the King, we are only the servants.
%
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% we would be grateful if you could send it to us (http://tug.org/tex-hyphen)
% or ask for credentials for SVN repository and commit it yourself;
% we will then upload the whole "package" to CTAN.
%
% Before a new "pattern-revolution" starts,
% please try to follow some guidelines if possible:
%
% - lccode is *forbidden*, and I really mean it
% - all the patterns should be in UTF-8
% - the only "allowed" TeX commands in this file are: patterns, hyphenation,
%   and if you really cannot do without, also input and message
% - in particular, please no catcode or lccode changes,
%   they belong to loadhyph-foo.tex,
%   and no lefthyphenmin and

% they have no influence here and belong elsewhere
% - begingroup and/or endinput is not needed
% - feel free to do whatever you want inside comments
%
% We know that TeX is extremely powerful, but give a stupid parser
% at least a chance to read your patterns.
%
% For more information see
%
% http://tug.org/tex-hyphen
%
%-----
%
% PURPOSE: 8-bit hyphenation patterns for TeX based upon the new Dutch
% spelling, officially since 1 August 1996. These patterns follow
% the new hyphenation rules in the 'Woordenlijst Nederlandse

```

```

%      Taal, SDU Uitgevers, Den Haag 1995' (the so called 'Groene
%      Boekje') described in section 5.2 (Het afbreekteken).
%
%      The main differences with our earlier patterns based upon the
%      CELEX dictionary are:
%      (1) provide 8-bit patterns based upon the T1 character encoding
%          (the encoding for DC/EC compatible TeX fonts)
%      (2) don't hyphenate if this results in a syllable of one letter
%          before or after the hyphen (hence hyphens in a-drenaline,
%          studi-o, mensa-pen and vide-oachtig are invalid)
%      (3) handle words derived from other languages ('bastaard
%          woorden') according to the new rules
%
%      Like the CELEX patterns these patterns don't hyphenate:
%      (4) in a changing syllable (menuutje can not be hyphenated as
%          menu-tje)
%      (5) in words that have different hyphenations according to
%          there meaning (buur-tje/buurt-je)
%
% COPYRIGHT (C) 1996: Piet Tutelaers
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% -----
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% of the LaTeX Project Public License Distributed from CTAN
% archives in directory macros/latex/base/lppl.txt; either
% version 1 of the License, or any later version.
% -----
% VERSION: 1.1 (November 1996) Copyright changed March 2000
%
% AUTHOR: Piet Tutelaers P.T.H.Tutelaers@tue.nl
%

```

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Norwegian Nynorsk hyphenation patterns

(more info about the licence to be added later)

% Adapted to the new pattern-loading scheme.

% Original file name was nnhyph.tex

% TeX hyphenation patterns for Norwegian Nynorsk

%

% Version 2007-02-10

%

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%

% This file contains hyphenation patterns for Norwegian Nynorsk.

% It uses the Norwegian hyphenation patterns from nohyphbx.tex,

% created by Rune Kleveland and Ole Michael Selberg. Please see

% that file for copyright information on those patterns.

%

% The patterns in nohyphbx are based on both Norwegian Bokmal

% and Norwegian Nynorsk, and works about equally well for both

% languages. This file, nnhyph.tex, contains only a few hyphenation

% exceptions, for words that needs to be hyphenated differently for

% the two languages.

```
%  
% Please send bugs or suggestions to karl@huftis.org.  
%
```

```
input hyph-no.tex
```

```
hyphenation{  
att-en-de  
bet-re  
}
```

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Portuguese hyphenation patterns

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```
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%
% Source: pthyph.tex (1994-10-13 - date on CTAN) or (1996-07-21 - date in file) - no idea
% Author: Pedro J. de Rezende <rezende at dcc.unicamp.br> , J.Joao Dias Almeida <jj at di.uminho.pt>
%
% The above mentioned file should become obsolete,
% and the author of the original file should preferaby modify this file instead.
```

```
%  
% Modificatios were needed in order to support native UTF-8 engines,  
% but functionality (hopefully) didn't change in any way, at least not intentionally.  
% This file is no longer stand-alone; at least for 8-bit engines  
% you probably want to use loadhyph-foo.tex (which will load this file) instead.  
%  
% Modifications were done by Jonathan Kew, Mojca Miklavac & Arthur Reutenauer  
% with help & support from:  
% - Karl Berry, who gave us free hands and all resources  
% - Taco Hoekwater, with useful macros  
% - Hans Hagen, who did the unicodification of patterns already long before  
%       and helped with testing, suggestions and bug reports  
% - Norbert Preining, who tested & integrated patterns into TeX Live  
%  
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% please remove all of the TUG comments & credits that we added here -  
% you are the Queen / the King, we are only the servants.  
%  
% If you want to change this file, rather than uploading directly to CTAN,  
% we would be grateful if you could send it to us (http://tug.org/tex-hyphen)  
% or ask for credentials for SVN repository and commit it yourself;  
% we will then upload the whole "package" to CTAN.  
%  
% Before a new "pattern-revolution" starts,  
% please try to follow some guidelines if possible:  
%  
% - lccode is *forbidden*, and I really mean it  
% - all the patterns should be in UTF-8  
% - the only "allowed" TeX commands in this file are: patterns, hyphenation,  
%   and if you really cannot do without, also input and message  
% - in particular, please no catcode or lccode changes,  
%   they belong to loadhyph-foo.tex,
```



% =====  
%

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Russian hyphenation patterns

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 % semi-manual conversions of hyphenation patterns into UTF-8 in June 2008.  
 %  
 % Source: TODO:WRITEME (2003-03-10)  
 % Author: Alexander I. Lebedev <swan at scon155.phys.msu.su>  
 %  
 % The above mentioned file should become obsolete,  
 % and the author of the original file should preferaby modify this file instead.  
 %  
 % Modificatios were needed in order to support native UTF-8 engines,  
 % but functionality (hopefully) didn't change in any way, at least not intentionally.  
 % This file is no longer stand-alone; at least for 8-bit engines  
 % you probably want to use loadhyph-foo.tex (which will load this file) instead.  
 %  
 % Modifications were done by Jonathan Kew, Mojca Miklavec & Arthur Reutenauer  
 % with help & support from:

```
% - Karl Berry, who gave us free hands and all resources
% - Taco Hoekwater, with useful macros
% - Hans Hagen, who did the uncodification of patterns already long before
%       and helped with testing, suggestions and bug reports
% - Norbert Preining, who tested & integrated patterns into TeX Live
%
% However, the "copyright/copyleft" owner of patterns remains the original author.
%
% The copyright statement of this file is thus:
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% Do with this file whatever needs to be done in future for the sake of
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% If you're the original author of patterns or taking over a new revolution,
% please remove all of the TUG comments & credits that we added here -
% you are the Queen / the King, we are only the servants.
%
% If you want to change this file, rather than uploading directly to CTAN,
% we would be grateful if you could send it to us (http://tug.org/tex-hyphen)
% or ask for credentials for SVN repository and commit it yourself;
% we will then upload the whole "package" to CTAN.
%
% Before a new "pattern-revolution" starts,
% please try to follow some guidelines if possible:
%
% - lccode is *forbidden*, and I really mean it
% - all the patterns should be in UTF-8
% - the only "allowed" TeX commands in this file are: patterns, hyphenation,
%   and if you really cannot do without, also input and message
% - in particular, please no catcode or lccode changes,
%   they belong to loadhyph-foo.tex,
%   and no lefthyphenmin and
%
%   they have no influence here and belong elsewhere
% - begingroup and/or endinput is not needed
% - feel free to do whatever you want inside comments
%
% We know that TeX is extremely powerful, but give a stupid parser
% at least a chance to read your patterns.
```

```

%
% For more information see
%
% http://tug.org/tex-hyphen
%
%-----
%
% Russian hyphenation patterns, version 2003/03/10
% Copyright 1999-2003 Alexander I. Lebedev <swan@scon155.phys.msu.su>
%
% This program may be distributed and/or modified under the conditions
% of the LaTeX Project Public License, either version 1.2 or any later
% version.
%
% Patterns were generated with patgen from a 990,000-word list and then
% manually corrected.
%
% The program consists of the files ruhyphal.tex, cryoal.tex and two
% document files README.ruhyphal and hyphen.rules. The file cryoal.tex
% can be regenerated using mkcryo script (a part of ruhyphen package)
% and the latest release of rus-ispell dictionaries
% <ftp://scon155.phys.msu.su/pub/russian/ispell/> .

```

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Jonathan Kew <jfkthame@gmail.com>

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-----

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Serbian hyphenation patterns in {Latin,Cyrillic} script

(more info about the licence to be added later)

```
% This is 'hyph-sh-{latn,cyrl}.tex' version 2.02 as of Jun 22, 2008.
```

```
%
```

```
% Copyright (C) 1990,2008 Dejan Muhamedagi\xd5 c
```

```
% [hyphen patterns for Serbocroatian language]
```

```
%
```

```
%%% =====
```

```
%%% @TeX-hyphen-file{
```

```
%%% author = "Dejan Muhamedagi\xd5 c",
```

```
%%% version = "2.02",
```

```
%%% date = "22 June 2008",
```

```
%%% filename = "hyph-sh-{latn,cyrl}.tex",
```

```
%%% email = "dejan@hello-penguin.com",
```

```
%%% codetable = "UTF-8",
```

```
%%% keywords = "TeX, hyphen, serbocroatian, {latinic,cyrillic}",
```

```
%%% supported = "yes",
```

```
%%% abstract = "Serbocroatian hyphenation patterns",
```

```
%%% docstring = "This file contains the hyphenation patterns
```

```
%%% for the Serbocroatian language and the
```

```
%%% {latinic,cyrillic} alphabet."
```

```
%%% }
```

```
%%% =====
```

```
%
```

```
% Just the usual stuff: This work is published without any
```

```
% waranty, express or implied. And in hope that it will be useful.
```

```
%
```

```
% This file can be redistributed and/or modified under the terms
```

```
% of the LaTeX Project Public License distributed from CTAN
```

```
% archives in directory macros/latex/base/lppl.txt; either
```

```
% version 1 of the License, or any later version.
```

```
%
```

```
% NB:
```

```
% It is allowed to leave one character at the end of the row.
```

```
% If you find that awkward these patterns will work well with
```

```
% lefthyphenmin=2.
```

```

% lefthyphenmin=1

%
% Osnovni skup paterna dobijen je na osnovu fonolov skih osobina
% srpskohrvatskog jezika. Pravila i preporuke sam preuzeo iz:
%
% M. Pev sikan, J. Jerkovi\xd5 c, M. Piv zurica:
% Pravopis srpskoga jezika
% Matica srpska, Novi Sad, 1995.
%
% U drugom delu se nalaze izuzeci od fonolov skih pravila bazirani
% na boljem psiholov skom prelomu rev ci. Izradjen je koriv s\xd5 cenjem
% slede\xd5 cih rev cnika:
%
% Rev cnik srpskohrvatskoga knjiv zevnog jezika
% Matica srpska, Matica hrvatska, Novi Sad, Zagreb, 1967-1976.
%
% Milan Vujaklija: Leksikon stranih rev ci i izraza
% Prosveta, Beograd, 1992.
%
% -----
%

```

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-----

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Slovenian hyphenation patterns

(more info about the licence to be added later)

```
% This file is part of hyph-utf8 package and resulted from
% semi-manual conversions of hyphenation patterns into UTF-8 in June 2008.
%
% Source: slhyph.tex (2007-01-29)
% Author: Matjaž Vrežina <matjaz at mg-soft.si>
%
% The above mentioned file should become obsolete,
% and the author of the original file should preferably modify this file instead.
%
% Modifications were needed in order to support native UTF-8 engines,
% but functionality (hopefully) didn't change in any way, at least not intentionally.
% This file is no longer stand-alone; at least for 8-bit engines
% you probably want to use loadhyph-foo.tex (which will load this file) instead.
%
% Modifications were done by Jonathan Kew, Mojca Miklavc & Arthur Reutenauer
% with help & support from:
% - Karl Berry, who gave us free hands and all resources
% - Taco Hoekwater, with useful macros
% - Hans Hagen, who did the unicodification of patterns already long before
%   and helped with testing, suggestions and bug reports
% - Norbert Preining, who tested & integrated patterns into TeX Live
%
% However, the "copyright/copyleft" owner of patterns remains the original author.
%
% The copyright statement of this file is thus:
%
% Do with this file whatever needs to be done in future for the sake of
% "a better world" as long as you respect the copyright of original file.
% If you're the original author of patterns or taking over a new revolution,
% please remove all of the TUG comments & credits that we added here -
% you are the Queen / the King, we are only the servants.
%
% If you want to change this file, rather than uploading directly to CTAN,
% we would be grateful if you could send it to us (http://tug.org/tex-hyphen)
```

```

% or ask for credentials for SVN repository and commit it yourself;
% we will then upload the whole "package" to CTAN.
%
% Before a new "pattern-revolution" starts,
% please try to follow some guidelines if possible:
%
% - lccode is *forbidden*, and I really mean it
% - all the patterns should be in UTF-8
% - the only "allowed" TeX commands in this file are: patterns, hyphenation,
%   and if you really cannot do without, also input and message
% - in particular, please no catcode or lccode changes,
%   they belong to loadhyph-foo.tex,
%   and no lefthyphenmin and

%   they have no influence here and belong elsewhere
% - begingroup and/or endinput is not needed
% - feel free to do whatever you want inside comments
%
% We know that TeX is extremely powerful, but give a stupid parser
% at least a chance to read your patterns.
%
% For more unformation see
%
%   http://tug.org/tex-hyphen
%
%-----
%
% This is 'slhyph.tex' as of 15. 4. 97.
%
% Copyright (C) 1990 Matjaž Vrečko, TeXCeX (SLO)
%   [slovenian hyphenation patterns]
%
% This program can be redistributed and/or modified under the terms
% of the LaTeX Project Public License Distributed from CTAN
% archives in directory macros/latex/base/lppl.txt; either
% version 1 of the License, or any later version.
%
% This file contains slovene hyphen patterns with &#269;&#154;&#158;

```

```
%  
% Generation of hyphen patterns for TeX  
%  
%      Matja&#158; Vre&#269;ko, TeXCeH (SLO), 1990  
% Email: matjaz@mg-soft.si  
%  
% Changes:  
% 1990   First version of 'hyphen.si' (Matja&#158; Vre&#269;ko, TeXCeX)  
%  
% Some cosmetic changes done later on, but none of these apply any more;  
% the patterns are still the same as they were originally:  
%  
% 1994-05-17 Use of code page 852 in patterns (Leon &#142;lajpah)  
% 1995-04-06 Release of 'sihyph21.tex'  
% 1995-06-20 Added slovenehyphenmins  
%      Release of 'sihyph22.tex'  
% 1997-15-04 Some changes concerning "c, "s, "z and ...  
%      Release of 'sihyph23.tex'  
% 2007-01-20 'sihyph23.tex' renamed to 'slhyph.tex'  
%      (sl is the proper language code for Slovenian)  
%
```

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-----

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Swedish hyphenation patterns (Jan Michael Rynning, 1994-03-03)

(more info about the licence to be added later)

```
% This file is part of hyph-utf8 package and resulted from
% semi-manual conversions of hyphenation patterns into UTF-8 in June 2008.
%
% Source: sehyph.tex (2003-09-08)
% Author: Jan Michael Rynning
%
% The above mentioned file should become obsolete,
% and the author of the original file should preferaby modify this file instead.
%
% Modificatios were needed in order to support native UTF-8 engines,
% but functionality (hopefully) didn't change in any way, at least not intentionally.
% This file is no longer stand-alone; at least for 8-bit engines
% you probably want to use loadhyph-foo.tex (which will load this file) instead.
%
% Modifications were done by Jonathan Kew, Mojca Miklavac & Arthur Reutenauer
% with help & support from:
% - Karl Berry, who gave us free hands and all resources
% - Taco Hoekwater, with useful macros
% - Hans Hagen, who did the unicodification of patterns already long before
%   and helped with testing, suggestions and bug reports
% - Norbert Preining, who tested & integrated patterns into TeX Live
%
% However, the "copyright/copyleft" owner of patterns remains the original author.
%
% The copyright statement of this file is thus:
%
% Do with this file whatever needs to be done in future for the sake of
% "a better world" as long as you respect the copyright of original file.
% If you're the original author of patterns or taking over a new revolution,
% please remove all of the TUG comments & credits that we added here -
% you are the Queen / the King, we are only the servants.
%
% If you want to change this file, rather than uploading directly to CTAN,
% we would be grateful if you could send it to us (http://tug.org/tex-hyphen)
% or ask for credentials for SVN repository and commit it yourself;
```



```

% we will then upload the whole "package" to CTAN.
%
% Before a new "pattern-revolution" starts,
% please try to follow some guidelines if possible:
%
% - lccode is *forbidden*, and I really mean it
% - all the patterns should be in UTF-8
% - the only "allowed" TeX commands in this file are: patterns, hyphenation,
%   and if you really cannot do without, also input and message
% - in particular, please no catcode or lccode changes,
%   they belong to loadhyph-foo.tex,
%   and no lefthyphenmin and

%   they have no influence here and belong elsewhere
% - begingroup and/or endinput is not needed
% - feel free to do whatever you want inside comments
%
% We know that TeX is extremely powerful, but give a stupid parser
% at least a chance to read your patterns.
%
% For more unformation see
%
%   http://tug.org/tex-hyphen
%
%-----
%
% Swedish hyphenation patterns.
%
% Copyright 1994 by Jan Michael Rynning. All rights reserved.
% This program may be distributed and/or modified under the conditions of
% the LaTeX Project Public License, either version 1.2 of this license or
% (at your option) any later version. The latest version of this license
% is in http://www.latex-project.org/lppl.txt and version 1.2 or later is
% part of all distributions of LaTeX version 1999/12/01 or later.
%
% Last update: 1994-03-03 (March 3, 1994).
% Revision history:
% 1991-01-08: First version available for anonymous FTP.

```

```

% 1991-08-08: Changed aa to aa0 at end of line, to stop TeX from
%      concatenating the patterns.
% 1991-09-03: Cleaned up lots of inconsistencies in the dictionary.
%      As a consequence, the patterns shrunk a lot. Also
%      added some 4000 one-syllable words, some of which were
%      hyphenated by the old patterns, and some 1500 compound
%      words, about half of which were incorrectly hyphenated
%      by the old patterns.
% 1991-11-01: Added another some 6200 compound words, all of which were
%      incorrectly hyphenated by the old patterns.
% 1991-11-13: Added another some 6500 compound words, all of which were
%      incorrectly hyphenated by the old patterns.
% 1992-01-30: Changed macros to ^^, for use with LaTeX and dc fonts.
% 1994-03-03: The hyphenated dictionary now contains about 118,000 words.
%      The hyphenation now works much better for compound words.
%      Patgen parameters: 1 2 20, 2 1 8, 1 4 7, 3 2 1, 1 10000 4.
%
% This file contains Swedish hyphenation patterns for TeX. It assumes
% that you have fonts with the Swedish letters in the positions where
% they occur in ISO Latin 1 (ISO 8859/1):
% Letter: AA "A "O \xd5 E aa "a "o \xd5 e
% Position: "C5 "C4 "D6 "C9 "E5 "E4 "F6 "E9
%
% Load this file into initex after plain.tex (or lplain.tex, splain.tex,
% or whatever).
%
% The patterns were generated in such a way that they will hyphenate
% correctly if lefthyphenmin>=1 and
%
%
% These hyphenation patterns work quite well for simple words, but not
% quite as well for compound words. I'm working on improving the quality,
% by adding more words. If you know any Swedish words which are not
% correctly hyphenated using these patterns, or if you have questions or
% comments, please contact me:
%
% Jan Michael Rynning <jmr@incolumitas.se>
% -----

```

%

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Turkish hyphenation patterns

(more info about the licence to be added later)

```
% hyph-tr.tex
%
% Turkish hyphenation patterns
%
% This file is auto-generated from source/generic/hyph-utf8/languages/tr/generate_patterns_tr.rb that is
part of hyph-utf8.
% Please don't modify this file; modify the generating script instead.
%
% Copyright (C) 1987 Pierre A. MacKay
%      2008, 2011 TUG
%
% This program can redistributed and/or modified under the terms
% of the LaTeX Project Public License Distributed from CTAN
% archives in directory macros/latex/base/lppl.txt; either
% version 1 of the License, or (at your option) any later version.
%
% Credits:
```

```

% - algorithm developed by P. A. MacKay for the Ottoman Texts Project in 1987
% - rules adapted for modern Turkish by H. Turgut Uyar <uyar at itu.edu.tr>
% - initiative to improve Turkish patterns by S. Ekin Kocabas <kocabas at stanford.edu>
% - script written by Mojca Miklavac <mojca.miklavac.lists at gmail.com> in June 2008
%
% See also:
% - http://www.ctan.org/tex-archive/language/turkish/hyphen/turk\_hyf.c
% - http://www.tug.org/TUGboat/Articles/tb09-1/tb20mackay.pdf
%
% Differences with Ottoman patterns:
% - adapted for the use on modern TeX engines, using UTF-8 charactes
% - only letters for Modern Turkish + ,Ó° (the first one often needed, the other two don't hurt)
% - (if needed, support for Ottoman Turkish might be provided separately under language code 'ota')
%
% Changes:
% - 2008-06-25/27/28 - create this file by adapting Ottoman rules for modern Turkish
% - 2011-08-10 - add LPPL licence with permission of Pierre A. MacKay
%

```

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<http://tug.org/svn/texhyphen/trunk/hyph-utf8/tex/generic/hyph-utf8/patterns/?pathrev=580>

-----  
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(copied verbatim from hyph-uk.lic.txt in the original work):

Ukrainian hyphenation patterns

(more info about the licence to be added later)

```
% This file is part of hyph-utf8 package and resulted from
% semi-manual conversions of hyphenation patterns into UTF-8 in June 2008.
%
% Source: TODO:WRITEME (yyyy-mm-dd)
% Author: Maksym Polyakov <polyama at auburn.edu> , <mpoliak at i.com.ua>
%
% The above mentioned file should become obsolete,
% and the author of the original file should preferaby modify this file instead.
%
% Modificatios were needed in order to support native UTF-8 engines,
% but functionality (hopefully) didn't change in any way, at least not intentionally.
% This file is no longer stand-alone; at least for 8-bit engines
% you probably want to use loadhyph-foo.tex (which will load this file) instead.
%
% Modifications were done by Jonathan Kew, Mojca Miklavec & Arthur Reutenauer
% with help & support from:
% - Karl Berry, who gave us free hands and all resources
% - Taco Hoekwater, with useful macros
% - Hans Hagen, who did the unicodification of patterns already long before
%   and helped with testing, suggestions and bug reports
% - Norbert Preining, who tested & integrated patterns into TeX Live
%
% However, the "copyright/copyleft" owner of patterns remains the original author.
%
% The copyright statement of this file is thus:
%
% Do with this file whatever needs to be done in future for the sake of
% "a better world" as long as you respect the copyright of original file.
% If you're the original author of patterns or taking over a new revolution,
% please remove all of the TUG comments & credits that we added here -
% you are the Queen / the King, we are only the servants.
%
% If you want to change this file, rather than uploading directly to CTAN,
% we would be grateful if you could send it to us (http://tug.org/tex-hyphen)
% or ask for credentials for SVN repository and commit it yourself;
% we will then upload the whole "package" to CTAN.
%
% Before a new "pattern-revolution" starts,
```

```
% please try to follow some guidelines if possible:
%
% - lcode is *forbidden*, and I really mean it
% - all the patterns should be in UTF-8
% - the only "allowed" TeX commands in this file are: patterns, hyphenation,
%   and if you really cannot do without, also input and message
% - in particular, please no catcode or lcode changes,
%   they belong to loadhyph-foo.tex,
%   and no lefthyphenmin and

%   they have no influence here and belong elsewhere
% - begingroup and/or endinput is not needed
% - feel free to do whatever you want inside comments
%
% We know that TeX is extremely powerful, but give a stupid parser
% at least a chance to read your patterns.
%
% For more unformation see
%
% http://tug.org/tex-hyphen
%
%-----
%
% Ukrainian hyphenation patterns in LCY (cp866nav) encoding.
% Copyright 1998-2001 Maksym Polyakov.
% Released 2001/05/10.
% This file can be redistributed and/or modified
% under the terms of the LaTeX Project Public License (lpl).
% Please, send bug reports via e-mail:
% polyama@auburn.edu
% mpoliak@i.com.ua
```



## 1.36 flex 2.5.35 1.fc9

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If such an object file uses only numerical parameters, data

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

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

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## 1.86 Gst-plugins-good 0.10.14

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## 1.92 hal 0.5.14

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DOCUMENTATION ROADMAP

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This file contains the following sections:

OVERVIEW	General description of JPEG and the IJG software.
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REFERENCES	Where to learn more about JPEG.
ARCHIVE LOCATIONS	Where to find newer versions of this software.
ACKNOWLEDGMENTS	Special thanks.

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Other documentation files in the distribution are:

User documentation:

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

usage.txt Usage instructions for cjpeg, djpeg, jpegtran,  
rdjpgcom, and wrjpgcom.

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

wizard.txt Advanced usage instructions for JPEG wizards only.

change.log Version-to-version change highlights.

Programmer and internal documentation:

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

example.c Sample code for calling the JPEG library.

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

filelist.txt Road map of IJG files.

coderrules.txt Coding style rules --- please read if you contribute code.

Please read at least the files install.txt and usage.txt. Some 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

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This package contains C software to implement JPEG image encoding, decoding, and transcoding. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images.

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.

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, ltmain.sh). Another support script, install-sh, is copyright by X Consortium but is also freely distributable.

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 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 <http://www.ijg.org/files/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 currently available 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).

Although this is by far the most detailed and comprehensive exposition of JPEG publicly available, we point out that it is still missing an explanation of the most essential properties and algorithms of the underlying DCT technology.

If you think that you know about DCT-based JPEG after reading this book, then you are in delusion. The real fundamentals and corresponding potential of DCT-based JPEG are not publicly known so far, and that is the reason for all the mistaken developments taking place in the image coding domain.

The original JPEG 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.

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:

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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 at <http://www.ijg.org/files/jfif.ps.gz>. There is also a plain text version at <http://www.ijg.org/files/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 <http://www.ijg.org/files/>. 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.

#### ARCHIVE LOCATIONS

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The "official" archive site for this software is [www.ijg.org](http://www.ijg.org). The most recent released version can always be found there in directory "files". This particular version will be archived as <http://www.ijg.org/files/jpegsr.v7.tar.gz>, and in Windows-compatible "zip" archive format as <http://www.ijg.org/files/jpegsr7.zip>.

The JPEG FAQ (Frequently Asked Questions) article is a source of some general information about JPEG.

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/>.

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#### ACKNOWLEDGMENTS

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Thank to Juergen Bruder of the Georg-Cantor-Organization at the Martin-Luther-University Halle for providing me with a copy of the common DCT algorithm article, only to find out that I had come to the same result in a more direct and comprehensible way with a more generative approach.

Thank to Istvan Sebestyen and Joan L. Mitchell for inviting me to the ITU JPEG (Study Group 16) meeting in Geneva, Switzerland.

Thank to Thomas Wiegand and Gary Sullivan for inviting me to the Joint Video Team (MPEG & ITU) meeting in Geneva, Switzerland.

Thank to John Korejwa and Massimo Ballerini for inviting me to fruitful consultations in Boston, MA and Milan, Italy.

Thank to Hendrik Elstner, Roland Fassauer, and Simone Zuck for corresponding business development.

Thank to Nico Zschach and Dirk Stelling of the technical support team at the Digital Images company in Halle for providing me with extra equipment for configuration tests.

Thank to Richard F. Lyon (then of Foveon Inc.) for fruitful communication about JPEG configuration in Sigma Photo Pro software.

Last but not least special thank to Thomas G. Lane for the original design and development of this singular software package.

#### FILE FORMAT WARS

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The ISO JPEG standards committee actually promotes different formats like JPEG-2000 or JPEG-XR which are incompatible with original DCT-based JPEG and which are based on faulty technologies. IJG therefore does not and will not support such momentary mistakes (see REFERENCES).

We have little or no sympathy for the promotion of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, interoperable format standards for JPEG files.

Don't use an incompatible file format!

(In any case, our decoder will remain capable of reading existing JPEG image files indefinitely.)

#### TO DO

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v7 is basically just a necessary interim release, paving the way for a major breakthrough in image coding technology with the next v8 package which is scheduled for release in the year 2010.

Please send bug reports, offers of help, etc. to [jpeg-info@jpegclub.org](mailto:jpeg-info@jpegclub.org).

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```

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 * Version 2.39 (23-MAY-2011)
 * @requires jQuery v1.2.3 or later
 *
 * Examples at: http://malsup.com/jquery/block/
 * Copyright (c) 2007-2010 M. Alsup
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```

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 * version: 3.23 (11-DEC-2012)
 * @requires jQuery v1.5 or later
 *
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```

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 *
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 *
 * Revision: $Id: jquery.filestyle.js 303 2008-01-30 13:53:24Z tuupola $
 */

```

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As well as enhancing the existing code the following new modules were developed.

```
verbatim  
tinyrl/  
tinyrl/history  
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```
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lub/heap/vxworks  
lub/heap/posix  
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As of release 0.6 the tinyxml library is included (unchanged) as part of the distribution.

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tinyxml (v2.5.1)

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<http://www.sourceforge.net/projects/tinyxml>

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## 1.107 krb5 1.9.1

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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
```

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

```
include/ipropr_hdr.h
kadmin/server/iproprd_svc.c
lib/kdb/ipropr.x
```

lib/kdb/kdb\_convert.c  
lib/kdb/kdb\_log.c  
lib/kdb/kdb\_log.h  
lib/krb5/error\_tables/kdb5\_err.et  
slave/kpropd\_rpc.c  
slave/kproplog.c

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## 1.118 libgcrypt - helper utilities 1.4.6

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

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

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and

is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

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

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

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

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

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

that program using a modified version of the Library.

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

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"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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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.

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

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

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

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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.
- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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

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

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## 1.119 libglade 2.6.4

### 1.119.1 Available under license :

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Version 2, June 1991

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

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a

program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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

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

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

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

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- 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.
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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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entire whole, and thus to each and every part regardless of who wrote it.

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

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

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

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the



source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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

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

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

6. As an exception to the Sections above, you may also 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

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- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- 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.
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## 1.120 libpgg-error 1.7

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

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

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

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

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

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

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

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

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

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

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

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

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Version 2, June 1991

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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

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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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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.)

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

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon> , 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

## 1.123 libjpeg 6b

### 1.123.1 Notifications :

This software is based in part on the work of the Independent JPEG Group.

### 1.123.2 Available under license :

The Independent JPEG Group's JPEG software

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README for release 6b of 27-Mar-1998

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This distribution contains the sixth public release of the Independent JPEG Group's free JPEG software. You are welcome to redistribute this software and to use it for any purpose, subject to the conditions under LEGAL ISSUES, below.

Serious users of this software (particularly those incorporating it into larger programs) should contact IJG at [jpeg-info@uunet.uu.net](mailto:jpeg-info@uunet.uu.net) to be added to our electronic mailing list. Mailing list members are notified of updates and have a chance to participate in technical discussions, etc.

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

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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.

We welcome the use of this software as a component of commercial products. No royalty is required, but we do ask for an acknowledgement in product documentation, as described under LEGAL ISSUES.

## LEGAL ISSUES

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2. You can use this software for whatever you want. You don't have to pay us.
3. You may not pretend that you wrote this software. If you use it in a program, you must acknowledge somewhere in your documentation that you've used the IJG code.

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- (2) If only executable code is distributed, then the accompanying documentation must state that "this software is based in part on the work of the Independent JPEG Group".



(3) Permission for use of this software is granted only if the user accepts full responsibility for any undesirable consequences; the authors accept NO LIABILITY for damages of any kind.

These conditions apply to any software derived from or based on the IJG code, not just to the unmodified library. If you use our work, you ought to acknowledge us.

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We specifically permit and encourage the use of this software as the basis of commercial products, provided that all warranty or liability claims are assumed by the product vendor.

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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.

We are required to state that

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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](ftp://ftp.uu.net/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](mailto: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](http://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](mailto:mail-server@rtfm.mit.edu) with body

```
send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2
```

#### 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 PBPLUS 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 PBPLUS/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

=====

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

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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](mailto:jpeg-info@uunet.uu.net).

## 1.124 libmad 0.15.1b

### 1.124.1 Available under license :

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## 1.125 libmccrypt 2.5.7 5.e15

### 1.125.1 Available under license :

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Version 2.1, February 1999

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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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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

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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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## 1.128 libnotify 0.4.4

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```
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```

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## 1.136 libtasn1 - cli tools 2.8

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Version 2.1, February 1999

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## 1.137 libthai 0.1.17

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## 1.139 libusb-1.0.8 1.0.8

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```
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\*/

## 1.142 libvorbis 1.3.2

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## 1.143 libwnck 2.28.0

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## 1.144 libxcb 1.7

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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.

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

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

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

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## 1.148 libxfcegui4 4.8.0

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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.

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

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

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

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library,



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

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form

under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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

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

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

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

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

Otherwise, if the work is a derivative of the Library, you may

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

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

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

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

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\* \$Id: trio.h,v 1.6 2003/04/03 15:28:27 veillard Exp \$

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```

```
#define _msCopyright_h
```

```
#define MSAPI_COPYRIGHT "Copyright 2000~2011, Marvell International Ltd."
```

```
#define MSAPI_VERSION "3.0D"
```

```
#endif /* _msCopyright_h */
```

```
/*
```

-----  
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-----  
Issue 28/01/2004

This file contains the definitions required to use AES in C. See aesopt.h for optimisation details.

\*/

/\*\*\*\*\*

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* (MJKK), GALILEO TECHNOLOGY LTD. (GTL) AND GALILEO TECHNOLOGY, INC. (GTI). *
*****
*
* madInit.c
*
* DESCRIPTION:
*   MAD initialization module
*
* DEPENDENCIES: Platform
*
* FILE REVISION NUMBER:
*
*****/
/*****
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*
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* (MJKK), GALILEO TECHNOLOGY LTD. (GTL) AND GALILEO TECHNOLOGY, INC. (GTI). *
*****

```

```

* platformTools.h - Header File for Basic gtCore logic functions and definitions
*
* DESCRIPTION:
*   This header file contains simple read/write macros for addressing
*   the SDRAM, devices, MV`s internal registers and PCI (using the PCI`s
*   address space). The macros take care of Big/Little endian conversions.
*
* DEPENDENCIES:
*   None.
*
*****/
/*****
*
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*****/
/*
* FILENAME:  $Workfile: bspSpecificMii.c $
* REVISION:  $Revision: 1 $
*
* DESCRIPTION: SMI access routines for 88E6218 board
*
*/
/* -----
// Copyright (c) 2008-2010 Marvell Semiconductor
// All Rights Reserved
// -----
*/
*/ file macSecTest.cpp : Defines the entry point for the DLL application. */
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```

## 1.157 memcache 3.0.6

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```

/*
+-----+
| PHP Version 5                               |
+-----+
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+-----+
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| obtain it through the world-wide-web, please send a note to |
| license@php.net so we can mail you a copy immediately. |
+-----+
| Authors: Antony Dovgal <tony2001@phpclub.net> |
|          Mikael Johansson <mikael AT synd DOT info> |
+-----+
*
-----

```

## 1.158 memcached 1.4.14

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## 1.159 mhash 0.9.9.9

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## 1.160 minicom 2.3

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```

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 *
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 *
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## 1.161 mousepad 0.2.16

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

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the

application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline

functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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

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

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

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

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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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## 1.163 mpfr 2.4.2

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

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

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## 1.165 mplayer svn-r33953-4.5.1

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## 1.166 ncpfs 2.2.6

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The following individuals contributed in part to the Network Time

Protocol Distribution Version 4 and are acknowledged as authors of this work.

1. [1]Takao Abe <takao\_abe@xurb.jp> Clock driver for JJY receivers
2. [2]Mark Andrews <mark\_andrews@isc.org> Leitch atomic clock controller
3. [3]Bernd Altmeier <altmeier@atlsoft.de> hopf Elektronik serial line and PCI-bus devices
4. [4]Viraj Bais <vbais@mailman1.intel.com> and [5]Clayton Kirkwood <kirkwood@striderfm.intel.com> port to WindowsNT 3.5
5. [6]Michael Barone <michael,barone@lmco.com> GPSVME fixes
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 recvbuf 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]Nelson B Bolyard <nelson@bolyard.me> update and complete broadcast and crypto features in sntp
11. [12]Jean-Francois Boudreault <Jean-Francois.Boudreault@viagenie.qc.ca> IPv6 support
12. [13]Reg Clemens <reg@dwf.com> Oncore driver (Current maintainer)
13. [14]Steve Clift <clift@ml.csiro.au> OMEGA clock driver
14. [15]Casey Crellin <casey@csc.co.za> vxWorks (Tornado) port and help with target configuration
15. [16]Sven Dietrich <sven\_dietrich@trimble.com> Palisade reference clock driver, NT adj. residuals, integrated Greg's Winnt port.
16. [17]John A. Dundas III <dundas@salt.jpl.nasa.gov> Apple A/UX port
17. [18]Torsten Duwe <duwe@immd4.informatik.uni-erlangen.de> Linux port
18. [19]Dennis Ferguson <dennis@mrbill.canet.ca> foundation code for NTP Version 2 as specified in RFC-1119
19. [20]John Hay <jhay@icomtek.csir.co.za> IPv6 support and testing
20. [21]Dave Hart <davehart@davehart.com> General maintenance, Windows port interpolation rewrite
21. [22]Claas Hilbrecht <neoclock4x@linum.com> NeoClock4X clock driver
22. [23]Glenn Hollinger <glenn@herald.usask.ca> GOES clock driver
23. [24]Mike Iglesias <iglesias@uci.edu> DEC Alpha port
24. [25]Jim Jagielski <jim@jagubox.gsfc.nasa.gov> A/UX port

25. [26]Jeff Johnson <jbj@chatham.usdesign.com> massive prototyping overhaul
26. [27]Hans Lambermont <Hans.Lambermont@nl.origin-it.com> or [28]<H.Lambermont@chello.nl> ntpsweep
27. [29]Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original author)
28. [30]Frank Kardel [31]<kardel (at) ntp (dot) org> PARSE <GENERIC> driver (> 14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup, dynamic interface handling
29. [32]William L. Jones <jones@hermes.chpc.utexas.edu> RS/6000 AIX modifications, HPUX modifications
30. [33]Dave Katz <dkatz@cisco.com> RS/6000 AIX port
31. [34]Craig Leres <leres@ee.lbl.gov> 4.4BSD port, ppsclock, Magnavox GPS clock driver
32. [35]George Lindholm <lindholm@ucs.ubc.ca> SunOS 5.1 port
33. [36]Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
34. [37]Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305
35. [38]Danny Mayer <mayer@ntp.org> Network I/O, Windows Port, Code Maintenance
36. [39]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
37. [40]Wolfgang Moeller <moeller@gwdgv1.dnet.gwdg.de> VMS port
38. [41]Jeffrey Mogul <mogul@pa.dec.com> ntptrace utility
39. [42]Tom Moore <tmoore@fivel.daytonoh.ncr.com> i386 svr4 port
40. [43]Kamal A Mostafa <kamal@whence.com> SCO OpenServer port
41. [44]Derek Mulcahy <derek@toybox.demon.co.uk> and [45]Damon Hart-Davis <d@hd.org> ARCRON MSF clock driver
42. [46]Rob Neal <neal@ntp.org> Bancomm refclock and config/parse code maintenance
43. [47]Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de> monitoring/trap scripts, statistics file handling
44. [48]Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port
45. [49]Wilfredo S?nchez <wsanchez@apple.com> added support for NetInfo
46. [50]Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules



47. [51]Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory
48. [52]Ray Schnitzler <schnitz@unipress.com> Unixware1 port
49. [53]Michael Shields <shields@tembel.org> USNO clock driver
50. [54]Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
51. [55]Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)
52. [56]Kenneth Stone <ken@sdd.hp.com> HP-UX port
53. [57]Ajit Thyagarajan <ajit@ee.udel.edu> IP multicast/anycast support
54. [58]Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp> TRAK clock driver
55. [59]Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
56. [60]Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and validated HTML documents according to the HTML DTD
- 

## References

1. [mailto:%20takao\\_abe@xurb.jp](mailto:%20takao_abe@xurb.jp)
2. [mailto:%20mark\\_andrews@isc.org](mailto:%20mark_andrews@isc.org)
3. <mailto:%20altmeier@atlsoft.de>
4. <mailto:%20vbais@mailman1.intel.co>
5. <mailto:%20kirkwood@striderfm.intel.com>
6. <mailto:%20michael.barone@lmco.com>
7. <mailto:%20karl@owl.HQ.ileaf.com>
8. <mailto:%20greg.brackley@bigfoot.com>
9. <mailto:%20Marc.Brett@westgeo.com>
10. <mailto:%20Piete.Brooks@cl.cam.ac.uk>
11. <mailto:%20nelson@bolyard.me>
12. <mailto:%20Jean-Francois.Boudreault@viagenie.qc.ca>
13. <mailto:%20reg@dwf.com>
14. <mailto:%20clift@ml.csiro.au>
15. <mailto:casey@csc.co.za>
16. [mailto:%20Sven\\_Dietrich@trimble.COM](mailto:%20Sven_Dietrich@trimble.COM)
17. <mailto:%20dundas@salt.jpl.nasa.gov>

18. <mailto:%20duwe@immd4.informatik.uni-erlangen.de>
19. <mailto:%20dennis@mrbill.canet.ca>
20. <mailto:%20jhay@icomtek.csir.co.za>
21. <mailto:%20davehart@davehart.com>
22. <mailto:%20neoclock4x@linum.com>
23. <mailto:%20glenn@herald.usask.ca>
24. <mailto:%20iglesias@uci.edu>
25. <mailto:%20jagubox.gsfc.nasa.gov>
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34. <mailto:%20leres@ee.lbl.gov>
35. <mailto:%20lindholm@ucs.ubc.ca>
36. <mailto:%20louie@ni.umd.edu>
37. <mailto:%20thorinn@diku.dk>
38. <mailto:%20mayer@ntp.org>
39. <mailto:%20mills@udel.edu>
40. <mailto:%20moeller@gwdgv1.dnet.gwdg.de>
41. <mailto:%20mogul@pa.dec.com>
42. <mailto:%20tmoore@fivel.daytonoh.ncr.com>
43. <mailto:%20kamal@whence.com>
44. <mailto:%20derek@toybox.demon.co.uk>
45. <mailto:%20d@hd.org>
46. <mailto:%20neal@ntp.org>
47. <mailto:%20Rainer.Pruy@informatik.uni-erlangen.de>
48. <mailto:%20dirce@zk3.dec.com>
49. <mailto:%20wsanchez@apple.com>
50. <mailto:%20mrapple@quack.kfu.com>
51. <mailto:%20jack@innovativeinternet.com>
52. <mailto:%20schnitt@unipress.com>
53. <mailto:%20shields@tembel.org>
54. <mailto:%20pebbles.jpl.nasa.gov>
55. <mailto:%20harlan@pfcs.com>

56. <mailto:%20ken@sdd.hp.com>

57. <mailto:%20ajit@ee.udel.edu>

58. <mailto:%20tsuruoka@nc.fukuoka-u.ac.jp>

59. <mailto:%20vixie@vix.com>

60. <mailto:%20Ulrich.Windl@rz.uni-regensburg.de>

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## 1.175 openswan 2.6.28

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## 1.179 pango 1.28.1

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## 1.182 pcre 8.31

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Written by: Philip Hazel

Email local part: ph10

Email domain: cam.ac.uk

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- o Parts of WebKit used by the QtWebKit module

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- o Parts of the QCrashHandler class

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Parts of the FreeType projects have been modified and put into Qt for use in the painting subsystem. These files are `ftraster.h`, `ftraster.c`, `ftgrays.h` and `ftgrays.c`. The following modifications has been made to these files:

list

- i Renamed `FT_` and `ft_` symbols to `QT_FT_` and `qt_ft_` to avoid name conflicts in `c{qrasterdefs_p.h}`.
- i Removed parts of code not relevant when compiled with `_STANDALONE_` defined.
- i Changed behavior in `c{ftraster.c}` to follow X polygon filling rules.
- i Implemented support in `c{ftraster.c}` for winding / odd even polygon fill rules.
- i Replaced bitmap generation with span generation in `c{ftraster.c}`.
- i Renamed `c{ftraster.h}` as `c{qblackraster_p.h}`.
- i Renamed `c{ftraster.c}` as `c{qblackraster.c}`.
- i Renamed `c{ftgrays.h}` as `c{qgrayraster_p.h}`.
- i Renamed `c{ftgrays.c}` as `c{qgrayraster.c}`.

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See `c src/3rdparty/freetype/docs/FTL.txt` and `c src/3rdparty/freetype/docs/GPL.txt` for license details.

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o Parts of the Q3PolygonScanner class used in Qt for Embedded Linux  
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- o Parts of the Q3PolygonScanner class used in Qt for Embedded Linux

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- o Parts of the internal QKeyMapper class on X11 platforms

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pnmscale.c - read a portable anymap and scale it

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- o Parts of the internal QImageSmoothScaler::scale() function use code based on pnmscale.c by Jef Poskanzer.

endlist

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jQuery JavaScript Library v1.3.2

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- o <examples/webkit/fancybrowser/jquery.min.js>

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o src/corelib/tools/qlocale.cpp
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```
/* A Bison parser, made by GNU Bison 2.3. */
```

```
/* Skeleton implementation for Bison's Yacc-like parsers in C
```

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parser generator using the skeleton or a modified version thereof  
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```

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## 1.194 readline 5.2 4

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## 1.204 speex 1.2rc1

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## 1.205 startup-notification 0.10

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## 1.206 syntekdriver 2.2.x

### 1.206.1 Available under license :

```
/**
 * @file stk11xx-bayer.c
 * @author Martin ROOS
 * @date 2006-01-14
 * @version v2.2.x
 *
 * @brief Driver for Syntek USB video camera
 *
 * @note Copyright (C) Nicolas VIVIEN
 *
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 *
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 */
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## 1.216 util-linux-ng 2.18

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Copyright (C) 19yy <name of author>



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

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```
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This is free software, and you are welcome to redistribute it
under certain conditions; type 'show c' for details.
```

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

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

Ty Coon, President of Vice

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## 1.238 xorg-x11 X11 R7.6

### 1.238.1 Available under license :

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

```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) 19yy <name of author>
```

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

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

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

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```

```
<signature of Ty Coon> , 1 April 1989
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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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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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## 1.241 zlib 1.2.7

### 1.241.1 Available under license :

interface of the 'zlib' general purpose compression library  
version 1.2.7, May 2nd, 2012

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Jean-loup Gailly      Mark Adler  
jloup@gzip.org      madler@alumni.caltech.edu

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

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