Open Source Used In Ultra Services Platform

Version 6.2

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Upstream-Contact: Matthias Clasen <mclasen@redhat.com>
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1.2 acl 2.2.51 :1

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1.10 aether-transport-wagon 1.0.2.v20150114 :v20150114

1.11 aether-util 1.0.2.v20150114 :v20150114

1.12 aggs-matrix-stats 5.2.2

1.13 ant-junit4 1.8.4
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*
/*

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For the server\util_md5.c component:

/************************************************************************
* NCSA HTTPd Server
* Software Development Group
* National Center for Supercomputing Applications
* University of Illinois at Urbana-Champaign
* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
* 
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*************************************************************************/

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* 
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*/
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For the test\zb.c component:

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   =================

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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:
Mike Belshe (mbelshe@netscape.com)
Michael Campanella (campanella@stevms.enet.dec.com)
For the expat xml parser component:

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For the compiler/cpp/src/md5.[ch] components:

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This is a library of functions to support regular expressions whose syntax
and semantics are as close as possible to those of the Perl 5 language. See
the file Tech.Notes for some information on the internals.

This module is a wrapper that provides a POSIX API to the underlying PCRE
functions.

Written by: Philip Hazel <ph10@cam.ac.uk>

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License: Haines
This imagemap module started as a port of the original imagemap.c written by Rob McCool (11/13/93 robm@ncsa.uiuc.edu).
This version includes the mapping algorithms found in version 1.3 of imagemap.c.

Contributors to this code include:

Kevin Hughes, kevinh@pulua.hcc.hawaii.edu

Eric Haines, erich@eye.com
"macmartinized" polygon code copyright 1992 by Eric Haines, erich@eye.com

Randy Terbush, randy@zyzzyva.com
port to Apache module format, "base_uri" and support for relative URLs

James H. Cloos, Jr., cloos@jhcloos.com
Added point datatype, using code in NCSA's version 1.8 imagemap.c program, as distributed with version 1.4.1 of their server.
The point code is originally added by Craig Milo Rogers, Rogers@ISI.Edu

Nathan Kurz, nate@tripod.com
Rewrite/reorganization. New handling of default, base and relative URLs.
New Configuration directives:
    ImapMenu {none, formatted, semiformatted, unformatted}
    ImapDefault {error, nocontent, referer, menu, URL}
    ImapBase {map, referer, URL}

Support for creating non-graphical menu added. (backwards compatible):
    Old: directive URL [x,y ...]
    New: directive URL "Menu text" [x,y ...]
         or: directive URL x,y ... "Menu text"

Map format and menu concept courtesy Joshua Bell, jsbell@acs.ucalgary.ca.

Mark Cox, mark@ukweb.com, Allow relative URLs even when no base specified

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For compliance with Mr Darwin's terms: this has been very significantly modified from the free "file" command.

- all-in-one file for compilation convenience when moving from one version of Apache to the next.
- Memory allocation is done through the Apache API's apr_pool_t structure.
- All functions have had necessary Apache API request or server structures passed to them where necessary to call other Apache API routines. (i.e. usually for logging, files, or memory allocation in itself or a called function.)
- struct magic has been converted from an array to a single-ended linked list because it only grows one record at a time, it's only accessed sequentially, and the Apache API has no equivalent of realloc().
- Functions have been changed to get their parameters from the server configuration instead of globals. (It should be reentrant now but has not been tested in a threaded environment.)
- Places where it used to print results to stdout now saves them in a list where they're used to set the MIME type in the Apache request record.
- Command-line flags have been removed since they will never be used here.
Ian Kluft <ikluft@cisco.com>
Engineering Information Framework
Central Engineering
Cisco Systems, Inc.
San Jose, CA, USA

Initial installation          July/August 1996
Misc bug fixes                May 1997
Submission to Apache Software Foundation    July 1997

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C LALR(1) parser skeleton written by Richard Stallman, by simplifying the original so-called "semantic" parser.

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   Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:
    Mike Belshe (mbelshe@netscape.com)
    Michael Campanella (campanella@stevms.enet.dec.com)
*/

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This is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language. See the file Tech.Notes for some information on the internals.
This module is a wrapper that provides a POSIX API to the underlying PCRE functions.

Written by: Philip Hazel <ph10@cam.ac.uk>

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National Center for Supercomputing Applications
University of Illinois at Urbana-Champaign
605 E. Springfield, Champaign, IL 61820
httpd@ncsa.uiuc.edu

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License: Haines
This imagemap module started as a port of the original imagemap.c
written by Rob McCool (11/13/93 robm@ncsa.uiuc.edu).
This version includes the mapping algorithms found in version 1.3
of imagemap.c.

Contributors to this code include:

Kevin Hughes, kevinh@pulua.hcc.hawaii.edu

Eric Haines, erich@eye.com
"macmartinized" polygon code copyright 1992 by Eric Haines, erich@eye.com

Randy Terbush, randy@zyzzyva.com
port to Apache module format, "base_uri" and support for relative URLs
James H. Cloos, Jr., cloos@jhcloos.com
Added point datatype, using code in NCSA's version 1.8 imagemap.c program, as distributed with version 1.4.1 of their server.
The point code is originally added by Craig Milo Rogers, Rogers@ISI.Edu

Nathan Kurz, nate@tripod.com
Rewrite/reorganization. New handling of default, base and relative URLs.
New Configuration directives:
   - ImapMenu {none, formatted, semiformatted, unformatted}
   - ImapDefault {error, nocontent, referer, menu, URL}
   - ImapBase {map, referer, URL}
Support for creating non-graphical menu added. (backwards compatible):
   - Old: directive URL [x,y ...]
   - New: directive URL "Menu text" [x,y ...]
     or: directive URL x,y ... "Menu text"
Map format and menu concept courtesy Joshua Bell, jsbell@acs.ucalgary.ca.

Mark Cox, mark@ukweb.com, Allow relative URLs even when no base specified

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For compliance with Mr Darwin's terms: this has been very significantly modified from the free "file" command.
- all-in-one file for compilation convenience when moving from one version of Apache to the next.
- Memory allocation is done through the Apache API's apr_pool_t structure.
- All functions have had necessary Apache API request or server structures passed to them where necessary to call other Apache API routines. (i.e. usually for logging, files, or memory allocation in itself or a called function.)
- struct magic has been converted from an array to a single-ended linked list because it only grows one record at a time, it's only accessed sequentially, and the Apache API has no equivalent of realloc().
- Functions have been changed to get their parameters from the server configuration instead of globals. (It should be reentrant now but has not been tested in a threaded environment.)
- Places where it used to print results to stdout now saves them in a list where they're used to set the MIME type in the Apache request record.
- Command-line flags have been removed since they will never be used here.

Ian Kluft <ikluft@cisco.com>
Engineering Information Framework
Central Engineering
Cisco Systems, Inc.
San Jose, CA, USA

Initial installation    July/August 1996
Misc bug fixes        May 1997
Submission to Apache Software Foundation    July 1997

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C LALR(1) parser skeleton written by Richard Stallman, by
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#
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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:
Mike Belshe (mbelshe@netscape.com)
Michael Campanella (campanella@stevms.enet.dec.com)
For the expat xml parser component:

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1.25 apr-util 1.5.3-1

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1.34 audit 2.3.2-2ubuntu1

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

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

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated
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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
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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1.36 avahi 0.6.31 :4ubuntu1.1
1.36.1 Available under license :

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# published by the Free Software Foundation; either version 2 of the
# License, or (at your option) any later version.
#
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set -e

# Command line arguments:
# $1 event that happened:
#   BIND: Successfully claimed address
#   CONFLICT: An IP address conflict happened
#   UNBIND: The IP address is no longer needed
#   STOP: The daemon is terminating
# $2 interface name
# $3 IP address

# We have the BSD ifconfig tool

case "$1" in
  BIND)
    ifconfig "$2" "$3"/16
    ;;
  CONFLICT|STOP|UNBIND)
    ifconfig "$2" "$3"/16 delete
    ;;
  *)
    echo "Unknown event $1" >&2
    exit 1
    ;;
  esac

exit 0

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(For example, a function in a library to compute square roots has
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derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

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

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

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

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

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

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

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

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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.

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

  Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cfe2bb5b6.

  Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and piostream classes and tests found in the Boost.Process library.

  Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

  Author: Julio Merino <jmmv84@gmail.com>

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vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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    <xsl:param name="text"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
      </xsl:call-template>
    </xsl:if>
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</xsl:stylesheet>
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

  Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived form the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5c1f2bb5bb6.

  Author: Julio Merino <jmmv@NetBSD.org>
* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
These files were derived from the file_handle, systembuf, pipe and pistream
classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk,
admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
except the first one, were first implemented in the Buildtool project.
They were later adapted to be part of Boost.Process and, during that
process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

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vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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-->

<!- $Id: copyright.xsl,v 1.8 2009/07/10 23:47:58 tbox Exp $ -->

<!- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">
  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
      </xsl:call-template>
    </xsl:if>
  </xsl:template>
</xsl:stylesheet>
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1.43 busybox 1.21.0-1ubuntu1 :1ubuntu1

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Julian Seward, Cambridge, UK.
jseward@bzip.org
bzip2/libbzip2 version 1.0.4 of 20 December 2006
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Julian Seward, jseward@bzip.org
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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1.48 ceph 0.80.11-0ubuntu1.14.04.2
:0ubuntu1.14.04.2
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This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.

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

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

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

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

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

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
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a) Accompany the work with the complete corresponding
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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,
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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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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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zlib    http://www.gzip.org/zlib/zlib_license.html

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krb4

While nothing in particular says that a Kerberos4 library must use any particular license, the one I've tried and used successfully so far (kth-krb4) is partly Original BSD-licensed with the announcement clause. Some of the code in libcurl that is written to deal with Kerberos4 is Modified BSD-licensed.

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[2] = http://www.fsf.org/licenses/gpl-faq.html#GPLIncompatibleLibs details on how to write such an exception to the GPL

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<!-- $Id: copyright.xsl,v 1.8 2009/07/10 23:47:58 tbox Exp $ -->

<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">
  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="isc.copyright.leader"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
      </xsl:call-template>
    </xsl:if>
  </xsl:template>

  <xsl:variable name="isc.copyright.text">
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived form the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cffe2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

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* configure.ac, Makefile.am: The original versions were derived from the
ones in the XML Catalog Manager project, version 2.2.

   Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were
derived from the ones in the Monotone project, revision
3a0982da308228d796df35f98d787c5c6f2bb5b6.

   Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
These files were derived from the file_handle, systembuf, pipe and pistream
classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

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vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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-->

<!-- $Id: copyright.xsl,v 1.8 2009/07/10 23:47:58 tbox Exp $ -->

<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">
  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="$isc.copyright.leader"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
      </xsl:call-template>
    </xsl:if>
  </xsl:template>
</xsl:stylesheet>
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1.94 e2fsprogs 1.42.9-3ubuntu1.2 :3ubuntu1.2

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Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version
-
- Copyright (C) Andrew Tridgell 2005
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#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(OBJ))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$ (BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
'echo $(my_dir) | sed -e 's;lib/;;' 
$(BSD_LIB)

@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB)\n$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall:
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

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Gadi Oxman, August 1995

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

It is part of the main e2fsprogs distribution, which can be found at:

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This package was put together by Yann Dirson <dirson@debian.org>,
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Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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Theodore Ts'o
23-June-2007

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Index: tdsa/tdb.c
--- tdsa.orig/tdb.c
+++ tdsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
- 
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# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJECTS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(OBJECTS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) $(my_dir) | sed -e 's;/lib/;';"$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
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Gadi Oxman, August 1995

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***The art of simplicity is a puzzle of complexity.***

## Overview ##

[YAML](http://yaml.org) is a data serialization format designed for human readability and interaction with scripting languages.

SnakeYAML is a YAML processor for the Java Virtual Machine.

## SnakeYAML features ##

* a **complete** [YAML 1.1 processor](http://yaml.org/spec/1.1/current.html). In particular, SnakeYAML can parse all examples from the specification.
* Unicode support including UTF-8/UTF-16 input/output.
* high-level API for serializing and deserializing native Java objects.
* support for all types from the [YAML types repository](http://yaml.org/type/index.html).
* relatively sensible error messages.

## Info ##

* [Changes](https://bitbucket.org/asomov/snakeyaml/wiki/Changes)
* [Documentation](https://bitbucket.org/asomov/snakeyaml/wiki/Documentation)

## Contribute ##

* Mercurial DVCS is used to dance with the [source code](https://bitbucket.org/asomov/snakeyaml/src).
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The Arabic, Persian, Romanian, Bulgarian, and Hindi analyzers (common) come with a default stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:
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analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt

The German, Spanish, Finnish, French, Hungarian, Italian, Portuguese, Russian and Swedish light stemmers
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- `analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java`
- `analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java`
- `analysis/common/src/java/org/apache/lucene/analysis/es/SpanishMinimalStemmer.java`
- `analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java`
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- `analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java`
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Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration

===========================================================================

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which can be obtained from

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// Transitive dependencies of this project determined from the maven pom organized by organization.
// ------------------------------------------------------------------

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- geronimo-jms_1.1_spec org.apache.geronimo.specs:geronimo-jms_1.1_spec:jar:1.0

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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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================================================================================
snakeyaml-NOTICE
================================================================================

***The art of simplicity is a puzzle of complexity.***

## Overview ##
[YAML](http://yaml.org) is a data serialization format designed for human readability and interaction with scripting languages.

SnakeYAML is a YAML processor for the Java Virtual Machine.

## SnakeYAML features ##

* a **complete** [YAML 1.1 processor](http://yaml.org/spec/1.1/current.html). In particular, SnakeYAML can parse all examples from the specification.
* Unicode support including UTF-8/UTF-16 input/output.
* high-level API for serializing and deserializing native Java objects.
* support for all types from the [YAML types repository](http://yaml.org/type/index.html).
* relatively sensible error messages.

## Info ##

* [Changes](https://bitbucket.org/asomov/snakeyaml/wiki/Changes)
* [Documentation](https://bitbucket.org/asomov/snakeyaml/wiki/Documentation)

## Contribute ##

* Mercurial DVCS is used to dance with the [source code](https://bitbucket.org/asomov/snakeyaml/src).
* If you find a bug in SnakeYAML, please [file a bug report](https://bitbucket.org/asomov/snakeyaml/issues?status=new&status=open).
* You may discuss SnakeYAML at [the mailing list](http://groups.google.com/group/snakeyaml-core).

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Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

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Written by: Philip Hazel
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[----------------------]

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---------------------------------------------------------------------------

[Misc C library code]

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-------------------------------------------------------------------------------
[zlib]

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

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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://www.ietf.org/rfc/rfc1950.txt
(zlib format), rfc1951.txt (deflate format) and rfc1952.txt (gzip format).

-------------------------------------------------------------------------------
[edoc, syntax_tools]

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%% @copyright 2001-2003 Richard Carlsson
%% @author Richard Carlsson <richardc@csd.uu.se>
%% [http://www.csd.uu.se/~richardc/]
%% @version {@vsn}
%% @end
%%=====================================================================

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[leex]

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* GNU locate and its associated utilities were originally written by James Woods, with enhancements by David MacKenzie, James Youngman and Bas van Gompel.

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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For an executable, the required form of the "work that uses the
Open Source Used In Ultra Services Platform Version 6.2

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### 1.113 geoip 1.6.0 :1

#### 1.113.1 Available under license:

[ Note that while the core GeoIP library is licensed under the LGPL, the libGeoIPUpdate library depends on md5.c and types.h which are licensed under the GPL. ]

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Version 2.1, February 1999

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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
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specified materials from the same place.

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the materials to be distributed need not include anything that is
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which the executable runs, unless that component itself accompanies the
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@page
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@example
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[signature of Ty Coon], 1 April 1990
Ty Coon, President of Vice
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@end iftex
@ifinfo
@center END OF TERMS AND CONDITIONS
@end ifinfo

@page
@unnumberedsubsec Appendix: How to Apply These Terms to Your New Programs

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possible use to the public, the best way to achieve this is to make it
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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.

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Copyright (C) @var{yyyy}  @var{name of author}
@end smallexample

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

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commands you use may be called something other than @samp{show w} and
@samp{show c}; they could even be mouse-clicks or menu items---whatever
suits your program.

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

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‘Gnomovision’ (which makes passes at compilers) written by James Hacker.

@var{signature of Ty Coon}, 1 April 1989
Ty Coon, President of Vice
@end example

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1.121 gnupg 1.4.16-1ubuntu2.3

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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In addition, mere aggregation of another work not 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.

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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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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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the user installs one, as long as the modified version is
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   b) Give prominent notice with the combined library of the fact
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Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

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

@heading TERMS AND CONDITIONS

@enumerate 0
@item Definitions.

``This License'' refers to version 3 of the GNU General Public License.

``Copyright'' also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.
"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

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To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

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@item Source Code.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that
Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

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You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

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You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

@enumerate a
@item
Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.
@end enumerate

@item
Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the
Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

@item
Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

@item
Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

@item
Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

@end enumerate

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The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

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

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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
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@enumerate a
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@page
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src/preproc/grn/gprint.h
src/preproc/grn/hdb.cpp
src/preproc/grn/hgraph.cpp
src/preproc/grn/hpoint.cpp
src/preproc/grn/main.cpp

. The `gxditview' output device. It is based on X11's `xditview' program
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src/devices/xditview/DESC.in
src/devices/xditview/Dvi.c
src/devices/xditview/Dvi.h
src/devices/xditview/DviP.h
src/devices/xditview/FontMap
src/devices/xditview/GXditview.ad
src/devices/xditview/Menu.h
src/devices/xditview/ad2c
src/devices/xditview/device.c
src/devices/xditview/device.h
src/devices/xditview/draw.c
src/devices/xditview/font.c
src/devices/xditview/gray1.bm
src/devices/xditview/gray2.bm
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src/devices/xditview/gxditview.man
src/devices/xditview/lex.c
src/devices/xditview/page.c
src/devices/xditview/parse.c
src/devices/xditview/xdit.bm
src/devices/xditview/xdit_mask.bm
src/devices/xditview/xditview.c

src/include/DviChar.h
src/include/XFontName.h

src/libs/libxutil/DviChar.c
src/libs/libxutil/XFontName.c

Macro Packages
The -mdoc macro set, using the BSD license.

tmac/doc.tmac
tmac/doc-old.tmac
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tmac/groff_me.man
doc/meintro.me
doc/meref.me

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GNU groff was written by James Clark <jjc@jclark.com>. It is now maintained by Ted Harding <ted.harding@nessie.mcc.ac.uk> and Werner Lemberg <wl@gnu.org>.

This Debian package was previously maintained by Fabrizio Polacco <fpolacco@debian.org>. It is now maintained by Colin Watson <cjwatson@debian.org>.

The original tarball came from <URL:ftp://groff.ffii.org/pub/groff/>:
48fa768dd6fdeb7968041dd5ae8e2b02  groff-1.20.1.tar.gz
and was simply renamed to groff_1.20.1.orig.tar.gz.

Some patches have been applied to groff outside the debian directory.

The Debian diff also appends /usr/share/groff/tmac to the default macro path for compatibility with versions of groff earlier than 1.17 (patch by Colin Watson).

========================================================================

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Written by James Clark (jjc@jclark.com)

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I e-mailed the upstream maintainer to clarify the intent of this. Here is the relevant part of the reply:

From: Werner LEMBERG <wl@gnu.org>
To: cjwatson@debian.org
Subject: Re: Clarifying the scope of groff/LICENSE
Date: Thu, 18 Nov 2004 00:19:52 +0100 (CET)

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> assume that groff/LICENSE grants me permission to distribute
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> GPL?

This is the intention, of course.

> If not, is the FDL thing from yesteryear going to be resolved some
> other way? I just want to make sure that I don't get forced to
> remove the groff manual, since that would really diminish the
> quality of the Debian package IMHO.

Sigh. I haven't found time to revert the FDL stuff back to GPL. It basically affects only Bernd Warken and me, and we have both agreed to return to GPL in case FDL makes problems.

(Note that this e-mail predates the current wording in LICENSES.)

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% This file is available for free and can used and redistributed asis for free. Modified versions should have another name.
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
% "message{frhyph.tex - French hyphenation patterns (V2.11) <2002/01/16> }
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1.137 gs-collections 5.1.0

1.138 gs-collections-api 5.1.0

1.139 Gson 2.3.1

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package com.google.gson.internal;

import java.lang.reflect.Type;
import java.util.Collections;
import java.util.HashMap;
import java.util.Map;

/**
 * Contains static utility methods pertaining to primitive types and their
 * corresponding wrapper types.
 *
 * @author Kevin Bourrillion
 *
 */
public final class Primitives {

    private Primitives() {}

    /** A map from primitive types to their corresponding wrapper types. */
    private static final Map<Class<?>, Class<?>> PRIMITIVE_TO_WRAPPER_TYPE;

    /** A map from wrapper types to their corresponding primitive types. */
    private static final Map<Class<?>, Class<?>> WRAPPER_TO_PRIMITIVE_TYPE;

    static {
        Map<Class<?>, Class<?>> primToWrap = new HashMap<Class<?>, Class<?>>(16);
        Map<Class<?>, Class<?>> wrapToPrim = new HashMap<Class<?>, Class<?>>(16);
        add(primToWrap, wrapToPrim, boolean.class, Boolean.class);
        add(primToWrap, wrapToPrim, byte.class, Byte.class);
        add(primToWrap, wrapToPrim, char.class, Character.class);
        add(primToWrap, wrapToPrim, double.class, Double.class);
        add(primToWrap, wrapToPrim, float.class, Float.class);
        add(primToWrap, wrapToPrim, int.class, Integer.class);
        add(primToWrap, wrapToPrim, long.class, Long.class);
        add(primToWrap, wrapToPrim, short.class, Short.class);
        add(primToWrap, wrapToPrim, void.class, Void.class);

        PRIMITIVE_TO_WRAPPER_TYPE = Collections.unmodifiableMap(primToWrap);
        WRAPPER_TO_PRIMITIVE_TYPE = Collections.unmodifiableMap(wrapToPrim);
    }

    private static void add(Map<Class<?>, Class<?>> forward,
Map<Class<?>, Class<?>> backward, Class<?> key, Class<?> value) {
    forward.put(key, value);
    backward.put(value, key);
}

/**
 * Returns true if this type is a primitive.
 */
public static boolean isPrimitive(Type type) {
    return PRIMITIVE_TO_WRAPPER_TYPE.containsKey(type);
}

/**
 * Returns true if type is one of the nine
 * primitive-wrapper types, such as Integer.
 *
 * @see Class#isPrimitive
 */
public static boolean isWrapperType(Type type) {
    return WRAPPER_TO_PRIMITIVE_TYPE.containsKey($Gson$Preconditions.checkNotNull(type));
}

/**
 * Returns the corresponding wrapper type of type if it is a primitive
 * type; otherwise returns type itself. Idempotent.
 *
 * @pre
 * wrap(int.class) == Integer.class
 * wrap(Integer.class) == Integer.class
 * wrap(String.class) == String.class
 * @pre
 */
public static <T> Class<T> wrap(Class<T> type) {
    // cast is safe: long.class and Long.class are both of type Class<Long>
    @SuppressWarnings("unchecked")
    Class<T> wrapped = (Class<T>) PRIMITIVE_TO_WRAPPER_TYPE.get($Gson$Preconditions.checkNotNull(type));
    return (wrapped == null) ? type : wrapped;
}

/**
 * Returns the corresponding primitive type of type if it is a
 * wrapper type; otherwise returns type itself. Idempotent.
 *
 * @pre
 * unwrap(Integer.class) == int.class
 * unwrap(int.class) == int.class
 * unwrap(String.class) == String.class
 * @pre

public static <T> Class<T> unwrap(Class<T> type) {
    // cast is safe: long.class and Long.class are both of type Class<Long>
    @SuppressWarnings("unchecked")
    Class<T> unwrapped = (Class<T>) WRAPPER_TO_PRIMITIVE_TYPE.get(
        $Gson$Preconditions.checkNotNull(type));
    return (unwrapped == null) ? type : unwrapped;
}
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1.141 gstreamer-plugins-good 0.10.30.1
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That's all there is to it!
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As the plugin is as of today’s date (19th of June 2007) it does not violate any software patents we know of.

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The plugins which use a GPL library are as follows:

a52dec liba52 (http://liba52.sourceforge.net/)
aasink aalib (http://sourceforge.net/projects/aa-project/)
edparanoia libedparanoia (http://www.xiph.org/paranoia/)
dtsdec libdts (http://www.videolan.org/dtsdec.html)
dvdnavsrc libdvdnav (http://dvd.sourceforge.net/)
dxr3 (http://dxr3.sourceforge.net/)
icecastsend libshout (http://www.icecast.org)
mad libmad (http://www.mars.org/home/rob/proj/mpeg/)
mpeg2dec libmpeg2 (http://libmpeg2.sourceforge.net/)
mpeg2enc libmpeg2enc (http://mjpeg.sourceforge.net/)
mplex libmpplex (http://mjpeg.sourceforge.net/)
siddec libsidplay 1.36 (http://www.geocities.com/SiliconValley/Lakes/5147/sidplay/)
                                      (http://sourceforge.net/projects/sidplay2/)
trn libmusicbrainz (http://www.musicbrainz.org/)
xine libxine (http://xinehq.de/)
xvid libxvidcore (http://www.xvid.org/)

Plugins derived from GPL code are as follows:

dvdreadsrc libdvdread (http://www.dtek.chalmers.se/groups/dvd/)
jack libjack (http://jackit.sourceforge.net/)
                                      Note libjack is LGPL, but plugin is GPL.
monoscope None (Algorithm by Ralph Loader, Joerg Walter,
                         Richard Boulton, and Andy Lo A Foe)
rtjpeg None (Erik Walthinsen's algorithm)
rtsp None (http://www.linphone.org/ortp/)
synaesthesia (http://www.logarithmic.net/pfh/synaesthesia)
system_encode None (Algorithm by Chrisoph Moar, Wim Tayman's and
                         Erik Walthinsen)
vbidec None (Algorithm by Billy Biggs, Doug Bell,
                        Erik Walthinsen and David I. Lehni)

Plugins which use a LGPL library are as follows:

alsa alsa (http://alsa-project.org/)
artsdsink aRts (http://arts-project.org/)
cacasink libcaca (http://sam.zoy.org/projects/libcaca/)
colorspacelcs libcolorspace
dvdec libdv (http://libdv.sourceforge.net/)
Plugins which use a BSD covered library are as follows:

- ogg: libbogg/libvorbis (http://www.xiph.org/ogg/vorbis/)
- vorbis: libogg/libvorbis (http://www.xiph.org/ogg/vorbis/)
- gsttheora: libtheora (http://www.theora.org/)
- speex: (http://www.speex.org/)
- flac: libFLAC (http://flac.sourceforge.net/)

Plugins based on libraries with other free licenses:

- ximagesink: libXv
- xvimagesink: libXv
  - license: MIT X11 / X Consortium license
- gsm: libgsm
  - license: MIT license http://kbs.cs.tu-berlin.de/~jutta/toast.html
- festival: (http://www.cstr.ed.ac.uk/projects/festival/)
- license: http://www.cstr.ed.ac.uk/projects/festival/freecopyright.shtml

jpeg
- license: IJG license

nas
- license: NAS license

snapshot libpng
- license: PNG license

mngdec/mngenc/libmng
- license PNG license

Plugins using non-free libraries:
divxdec, divxenc
- (http://www.divx.com/)
oxxaudio
- (http://www.apple.com/maosx/)
sunaudiosink
- (http://www.sun.com/)

Unsure:

faad libfaad
- (http://www.audiocoding.com/)
faad's license depends on its major version:
- for FAAD1: it is LGPL
- for FAAD2: it is GPL
look at these pages for more information on licenses:

by default, GStreamer faad plugin would compile against FAAD2 if available.
it falls back to FAAD1 if not.

/*
* GStreamer
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* Copyright (C) 2006 Stefan Kost <ensonic@users.sf.net>
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** SECTION:element-audioamplify
*
* Amplifies an audio stream by a given factor and allows the selection of different clipping modes.
* The difference between the clipping modes is best evaluated by testing.
* *
* <refsect2>
* <title>Example launch line</title>
* |
* gst-launch audiotestsrc wave=saw ! audioamplify amplification=1.5 ! alsasink
* gst-launch filesrc location="melo1.ogg" ! oggdemux ! vorbisdec ! audioconvert ! audioamplify amplification=1.5 method=wrap-negative ! alsasink
* gst-launch audiotestsrc wave=saw ! audioconvert ! audioamplify amplification=1.5 method=wrap-positive ! audioconvert ! alsasink
* ]|
* </refsect2>
*/

#ifdef HAVE_CONFIG_H
#include "config.h"
#endif

#include <gst/gst.h>
#include <gst/base/gstbasetransform.h>
#include <gst/audio/audio.h>
#include <gst/audio/gstaudiofilter.h>
#include <gst/controller/gstcontroller.h>

#include "audioamplify.h"

#define GST_CAT_DEFAULT gst_audio_amplify_debug

GST_DEBUG_CATEGORY_STATIC (GST_CAT_DEFAULT);

/* Filter signals and args */
enum
{
  /
  /* FILL ME */
  LAST_SIGNAL
};

enum
{
  PROP_0,
  PROP_AMPLIFICATION,
  PROP_AMPLIFICATION
};
PROP_CLIPPING_METHOD
];

enum
{
    METHOD_CLIP = 0,
    METHOD_WRAP_NEGATIVE,
    METHOD_WRAP_POSITIVE,
    METHOD_NOCLIP,
    NUM_METHODS
};

#define GST_TYPE_AUDIO_AMPLIFY_CLIPPING_METHOD (gst_audio_amplify_clipping_method_get_type (0))
static GType
gst_audio_amplify_clipping_method_get_type (void)
{
    static GType gtype = 0;

    if (gtype == 0) {
        static const GEnumValue values[] = {
            {METHOD_CLIP, "Normal clipping (default)", "clip"},
            {METHOD_WRAP_NEGATIVE, "Push overdriven values back from the opposite side", "wrap-negative"},
            {METHOD_WRAP_POSITIVE, "Push overdriven values back from the same side", "wrap-positive"},
            {METHOD_NOCLIP, "No clipping", "none"},
            {0, NULL, NULL}
        };

        /* FIXME 0.11: rename to GstAudioAmplifyClippingMethod */
        gtype = g_enum_register_static ("GstAudioAmplifyClippingMethod", values);
    }
    return gtype;
}

#define ALLOWED_CAPS
"audio/x-raw-int," \ 
" depth=(int)8," \ 
" width=(int)8," \ 
" endianness=(int)BYTE_ORDER," \ 
" signed=(bool)TRUE," \ 
" rate=(int)[1,MAX]," \ 
" channels=(int)[1,MAX]; " \ 
"audio/x-raw-int," \ 
" depth=(int)16," \ 
" width=(int)16," \ 
" depth=(int)16," \ 
" width=(int)16," \ 
" depth=(int)16," \ 
" width=(int)16," \ 
" depth=(int)16," \ 
" width=(int)16," \ 
" depth=(int)16," \ 
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" width=(int)16," \ 
" depth=(int)16," \ 
" width=(int)16," \ 
" depth=(int)16," \ 
" width=(int)16," \ 
" depth=(int)16",
"endianness=(int)BYTE_ORDER," \ 
"signed=(bool)TRUE,"
"rate=(int)[1,MAX],"
"channels=(int)[1,MAX];"
"audio/x-raw-int,"
"depth=(int)32,"
"width=(int)32,"
"endianness=(int)BYTE_ORDER," \ 
"signed=(bool)TRUE," \ 
"rate=(int)[1,MAX],"
"channels=(int)[1,MAX];"
"audio/x-raw-float,"
"width=(int)[32,64],"
"endianness=BYTE_ORDER," \ 
"rate=(int)[1,MAX],"
"channels=(int)[1,MAX]"

#define DEBUG_INIT(bla) \
GST_DEBUG_CATEGORY_INIT (gst_audio_amplify_debug, "audioamplify", 0, "audioamplify element");

GST_BOILERPLATE_FULL (GstAudioAmplify, gst_audio_amplify, GstAudioFilter,
GTYPE_AUDIO_FILTER, DEBUG_INIT);

static gboolean gst_audio_amplify_set_process_function (GstAudioAmplify *
filter, gint clipping, gint format, gint width);
static gboolean gst_audio_amplify_setup (GstAudioFilter * filter,
GstRingBufferSpec * format);
static GstFlowReturn gst_audio_amplify_transform_ip (GstBaseTransform * base,
GstBuffer * buf);

#define MIN_gint8 G_MININT8
#define MAX_gint8 G_MAXINT8
#define MIN_gint16 G_MININT16
#define MAX_gint16 G_MAXINT16
#define MIN_gint32 G_MININT32
#define MAX_gint32 G_MAXINT32

#define MAKE_INT_FUNCS(type,largetype)  \ 
static void \ 
gst_audio_amplify_transform_##type##_clip (GstAudioAmplify * filter, \ 
void * data, guint num_samples) \ 
{ \ 
  type *d = data; \ 
}
while (num_samples--) {
largetype val = *d * filter->amplification;
*d++ = CLAMP (val, MIN_##type, MAX_##type);
}
}
}
static void
gst_audio_amplify_transform_##type##_wrap_negative (GstAudioAmplify * filter,
void * data, guint num_samples)
{

type *d = data;

while (num_samples--) {
    largetype val = *d * filter->amplification;
    if (val > MAX_##type) {
        val = MIN_##type + (val - MIN_##type) % ((largetype) MAX_##type + 1 - MIN_##type);
    } else if (val < MIN_##type) {
        val = MAX_##type - (MAX_##type - val) % ((largetype) MAX_##type + 1 - MIN_##type);
    }
    *d++ = val;
}
}
static void
gst_audio_amplify_transform_##type##_wrap_positive (GstAudioAmplify * filter,
void * data, guint num_samples)
{

type *d = data;

while (num_samples--) {
    largetype val = *d * filter->amplification;
    do {
        if (val > MAX_##type)
            val = MAX_##type - (val - MAX_##type);
        else if (val < MIN_##type)
            val = MIN_##type + (MIN_##type - val);
        else
            break;
    } while (1);
    *d++ = val;
}
}
static void
gst_audio_amplify_transform_##type##_noclip (GstAudioAmplify * filter,
void * data, guint num_samples)
{

type *d = data;

while (num_samples--)  
    *d++ *= filter->amplification;  
}

#define MAKE_FLOAT_FUNCS(type)  
static void  
gst_audio_amplify_transform_##type##_clip (GstAudioAmplify * filter,  
    void * data, guint num_samples)  
{
    type *d = data;  
    
    while (num_samples--) {
        type val = *d* filter->amplification;  
        *d++ = CLAMP (val, -1.0, +1.0);  
    }
}

static void  
gst_audio_amplify_transform_##type##_wrap_negative (GstAudioAmplify *  
    filter, void * data, guint num_samples)  
{
    type *d = data;  
    
    while (num_samples--) {
        type val = *d* filter->amplification;  
        do {
            if (val > 1.0)  
                val = -1.0 + (val - 1.0);  
            else if (val < -1.0)  
                val = 1.0 - (1.0 - val);  
            else  
                break;  
        } while (1);  
        *d++ = val;  
    }
}

static void  
gst_audio_amplify_transform_##type##_wrap_positive (GstAudioAmplify * filter,  
    void * data, guint num_samples)  
{
    type *d = data;  
    
    while (num_samples--) {
        type val = *d* filter->amplification;  
        do {
            if (val > 1.0)  
                val = 1.0 - (val - 1.0);  
            else if (val < -1.0)  
                val = -1.0 + (-1.0 - val);  
        } while (1);  
        *d++ = val;  
    }
else
    break;
}
while (1);
*d++ = val;
}
}

static void
gst_audio_amplify_transform_##type##_noclip (GstAudioAmplify * filter, void * data, guint num_samples)
{
    type *d = data;
    while (num_samples--)
        *d++ *= filter->amplification;
}

/* *INDENT-OFF* */
MAKE_INT_FUNCS (gint8,gint)
MAKE_INT_FUNCS (gint16,gint)
MAKE_INT_FUNCS (gint32,gint64)
MAKE_FLOAT_FUNCS (gfloat)
MAKE_FLOAT_FUNCS (gdouble)
/* *INDENT-ON* */

/* GObject vmethod implementations */

static void
gst_audio_amplify_base_init (gpointer klass)
{
    GstElementClass *element_class = GST_ELEMENT_CLASS (klass);
    GstCaps *caps;

    gst_element_class_set_details_simple (element_class, "Audio amplifier",
        "Filter/Effect/Audio",
        "Amplifies an audio stream by a given factor",
        "Sebastian Drge <slomo@circular-chaos.org>");

    caps = gst_caps_from_string (ALLOWED_CAPS);
    gst_audio_filter_class_add_pad_templates (GST_AUDIO_FILTER_CLASS (klass),
        caps);
    gst_caps_unref (caps);
}

static void
gst_audio_amplify_class_init (GstAudioAmplifyClass * klass)
{GOBJECT_CLASS (klass)
gobject_class = (GObjectClass *) klass;
gobject_class->set_property = gst_audio_amplify_set_property;
gobject_class->get_property = gst_audio_amplify_get_property;

g_object_class_install_property (gobject_class, PROP_AMPLIFICATION,
  g_param_spec_float ("amplification", "Amplification",
                        "Factor of amplification", -G_MAXFLOAT, G_MAXFLOAT,
                        1.0,
                        G_PARAM_READWRITE | GST_PARAM_CONTROLLABLE | G_PARAM_STATIC_STRINGS));

/**
 * GstAudioAmplify:clipping-method
 *
 * Clipping method: clip mode set values higher than the maximum to the
 * maximum. The wrap-negative mode pushes those values back from the
 * opposite side, wrap-positive pushes them back from the same side.
 * *
 **/

/**
 * g_object_class_install_property (gobject_class, PROP_CLIPPING_METHOD,
 *   g_param_spec_enum ("clipping-method", "Clipping method",
 *                     "Selects how to handle values higher than the maximum",
 *                     GST_TYPE_AUDIO_AMPLIFY_CLIPPING_METHOD, METHOD_CLIP,
 *                     G_PARAM_READWRITE | G_PARAM_STATIC_STRINGS));

GST_AUDIO_FILTER_CLASS (klass)->setup =
  GST_DEBUG_FUNCPTR (gst_audio_amplify_setup);
GST_BASE_TRANSFORM_CLASS (klass)->transform_ip =
  GST_DEBUG_FUNCPTR (gst_audio_amplify_transform_ip);
}

static void
gst_audio_amplify_init (GstAudioAmplify * filter, GstAudioAmplifyClass * klass)
{
  filter->amplification = 1.0;
gst_audio_amplify_set_process_function (filter, METHOD_CLIP,
                                       GST_BUFTYPE_LINEAR, 16);
gst_base_transform_set_in_place (GST_BASE_TRANSFORM (filter), TRUE);
gst_base_transform_set_gap_aware (GST_BASE_TRANSFORM (filter), TRUE);
}

static GstAudioAmplifyProcessFunc
gst_audio_amplify_process_function (gint clipping, gint format, gint width)
{
  static const struct process
  {
    gint format;
    gint width;
    gint clipping;
  }
GstAudioAmplifyProcessFunc func;
} process[] = {

{ GST_BUFTYPE_FLOAT, 32, METHOD_CLIP,
  gst_audio_amplify_transform_gfloat_clip}, {
GST_BUFTYPE_FLOAT, 32, METHOD_WRAP_NEGATIVE,
  gst_audio_amplify_transform_gfloat_wrap_negative}, {
GST_BUFTYPE_FLOAT, 32, METHOD_WRAP_POSITIVE,
  gst_audio_amplify_transform_gfloat_wrap_positive}, {
GST_BUFTYPE_FLOAT, 32, METHOD_NOCLIP,
  gst_audio_amplify_transform_gfloat_noclip}, {
GST_BUFTYPE_FLOAT, 64, METHOD_CLIP,
  gst_audio_amplify_transform_gdouble_clip}, {
GST_BUFTYPE_FLOAT, 64, METHOD_WRAP_NEGATIVE,
  gst_audio_amplify_transform_gdouble_wrap_negative}, {
GST_BUFTYPE_FLOAT, 64, METHOD_WRAP_POSITIVE,
  gst_audio_amplify_transform_gdouble_wrap_positive}, {
GST_BUFTYPE_FLOAT, 64, METHOD_NOCLIP,
  gst_audio_amplify_transform_gdouble_noclip}, {
GST_BUFTYPE_LINEAR, 8, METHOD_CLIP, gst_audio_amplify_transform_gint8_clip}, {
GST_BUFTYPE_LINEAR, 8, METHOD_WRAP_NEGATIVE,
  gst_audio_amplify_transform_gint8_wrap_negative}, {
GST_BUFTYPE_LINEAR, 8, METHOD_WRAP_POSITIVE,
  gst_audio_amplify_transform_gint8_wrap_positive}, {
GST_BUFTYPE_LINEAR, 8, METHOD_NOCLIP,
  gst_audio_amplify_transform_gint8_noclip}, {
GST_BUFTYPE_LINEAR, 16, METHOD_CLIP,
  gst_audio_amplify_transform_gint16_clip}, {
GST_BUFTYPE_LINEAR, 16, METHOD_WRAP_NEGATIVE,
  gst_audio_amplify_transform_gint16_wrap_negative}, {
GST_BUFTYPE_LINEAR, 16, METHOD_WRAP_POSITIVE,
  gst_audio_amplify_transform_gint16_wrap_positive}, {
GST_BUFTYPE_LINEAR, 16, METHOD_NOCLIP,
  gst_audio_amplify_transform_gint16_noclip}, {
GST_BUFTYPE_LINEAR, 32, METHOD_CLIP,
  gst_audio_amplify_transform_gint32_clip}, {
GST_BUFTYPE_LINEAR, 32, METHOD_WRAP_NEGATIVE,
  gst_audio_amplify_transform_gint32_wrap_negative}, {
GST_BUFTYPE_LINEAR, 32, METHOD_WRAP_POSITIVE,
  gst_audio_amplify_transform_gint32_wrap_positive}, {
GST_BUFTYPE_LINEAR, 32, METHOD_NOCLIP,
  gst_audio_amplify_transform_gint32_noclip}, {
0, 0, 0, NULL}
};
const struct process *p;

for (p = process; p->func; p++)
  if (p->format == format &amp;&amp; p->width == width &amp;&amp; p->clipping == clipping)
return p->func;
return NULL;
}

static gboolean
gst_audio_amplify_set_process_function (GstAudioAmplify * filter, gint
   clipping_method, gint format, gint width)
{
GstAudioAmplifyProcessFunc process;

/* set processing function */

process = gst_audio_amplify_process_function (clipping_method, format, width);
if (!process) {
    GST_DEBUG ("wrong format");
    return FALSE;
}

filter->process = process;
filter->clipping_method = clipping_method;
filter->format = format;
filter->width = width;

return TRUE;
}

static void
gst_audio_amplify_set_property (GObject * object, guint prop_id,
   const GValue * value, GParamSpec * pspec)
{
GstAudioAmplify *filter = GST_AUDIO_AMPLIFY (object);

switch (prop_id) {
  case PROP_AMPLIFICATION:
    filter->amplification = g_value_get_float (value);
    gst_base_transform_set_passthrough (GST_BASE_TRANSFORM (filter),
        filter->amplification == 1.0);
    break;
  case PROP_CLIPPING_METHOD:
    gst_audio_amplify_set_process_function (filter, g_value_get_enum (value),
        filter->format, filter->width);
    break;
  default:
    G_OBJECT_WARN_INVALID_PROPERTY_ID (object, prop_id, pspec);
    break;
  }
static void
gst_audio_amplify_get_property (GObject * object, guint prop_id,
   GValue * value, GParamSpec * pspec)
{
  GstAudioAmplify *filter = GST_AUDIO_AMPLIFY (object);

  switch (prop_id) {
    case PROP_AMPLIFICATION:
      g_value_set_float (value, filter->amplification);
      break;
    case PROP_CLIPPING_METHOD:
      g_value_set_enum (value, filter->clipping_method);
      break;
    default:
      G_OBJECT_WARN_INVALID_PROPERTY_ID (object, prop_id, pspec);
      break;
  }
}

/* GstAudioFilter vmethod implementations */
static gboolean
gst_audio_amplify_setup (GstAudioFilter * base, GstRingBufferSpec * format)
{
  GstAudioAmplify *filter = GST_AUDIO_AMPLIFY (base);

  return gst_audio_amplify_set_process_function (filter,
        filter->clipping_method, format->type, format->width);
}

/* GstBaseTransform vmethod implementations */
static GstFlowReturn
gst_audio_amplify_transform_ip (GstBaseTransform * base, GstBuffer * buf)
{
  GstAudioAmplify *filter = GST_AUDIO_AMPLIFY (base);
  guint num_samples;
  GstClockTime timestamp, stream_time;

  timestamp = GST_BUFFER_TIMESTAMP (buf);
  stream_time =
    gst_segment_to_stream_time (&base->segment, GST_FORMAT_TIME, timestamp);

  GST_DEBUG_OBJECT (filter, "sync to %" GST_TIME_FORMAT,
                    GST_TIME_ARGS (timestamp));

  if (GST_CLOCK_TIME_IS_VALID (stream_time))
    gst_object_sync_values (G_OBJECT (filter), stream_time);

  num_samples =

GST_BUFFER_SIZE (buf) / (GST_AUDIO_FILTER (filter)->format.width / 8);

if (gst_base_transform_is_passthrough (base) ||
    G_UNLIKELY (GST_BUFFER_FLAG_IS_SET (buf, GST_BUFFER_FLAG_GAP)))
return GST_FLOW_OK;

filter->process (filter, GST_BUFFER_DATA (buf), num_samples);

return GST_FLOW_OK;
}
/*
 * GStreamer
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 * Boston, MA 02111-1307, USA.
 */

#ifndef __GST_AUDIO_AMPLIFY_H__
define __GST_AUDIO_AMPLIFY_H__

#include <gst/gst.h>
#include <gst/base/gstbasetransform.h>
#include <gst/audio/audio.h>
#include <gst/audio/gstaudiofilter.h>

G_BEGIN_DECLS
#define GST_TYPE_AUDIO_AMPLIFY (gst_audio_amplify_get_type())
#define GST_AUDIO_AMPLIFY(obj)
(G_TYPE_CHECK_INSTANCE_CAST((obj),GST_TYPE_AUDIO_AMPLIFY,GstAudioAmplify))
#define GST_IS_AUDIO_AMPLIFY(obj)
(G_TYPE_CHECK_INSTANCE_TYPE((obj),GST_TYPE_AUDIO_AMPLIFY))
#define GST_AUDIO_AMPLIFY_CLASS(klass) (G_TYPE_CHECK_CLASS_CAST((klass)
,GTYPE_CHECK_CLASS_CAST(GST_TYPE_AUDIO_AMPLIFY,GstAudioAmplifyClass))
#define GST_IS_AUDIO_AMPLIFY_CLASS(klass) (G_TYPE_CHECK_CLASS_TYPE((klass)
,GTYPE_CHECK_CLASS_TYPE(GST_TYPE_AUDIO_AMPLIFY))

G_END_DECLS
typedef void (*GstAudioAmplifyProcessFunc) (GstAudioAmplify *, void *, guint);

struct _GstAudioAmplify
{
    GstAudioFilter audiofilter;

gfloat amplification;

    /* < private > */
    GstAudioAmplifyProcessFunc process;
    gint clipping_method;
    gint format;
    gint width;
};

struct _GstAudioAmplifyClass
{
    GstAudioFilterClass parent;
};

GType gst_audio_amplify_get_type (void);

G_END_DECLS
#endif /* __GST_AUDIO_AMPLIFY_H__ */

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rijndael-alg-fst.c

version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

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Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau,
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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libhcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
@author Paulo Barreto <paulo.barreto@terra.com.br>

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DES core in libhcrypto

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D3DES (V5.09) -

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Written with Symantec's THINK (Lightspeed) C by Richard Outerbridge.
Thanks to: Dan Hoey for his excellent Initial and Inverse permutation code; Jim Gillogly & Phil Karn for the DES key schedule code; Dennis Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau, for humouring me on.

(GEnie : OUTER; CIS : [71755,204]) Graven Imagery, 1992.

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Adam Stawicki
Alaa Nassef
Andrey Rodionov
Brent Douglas
1.154 hppc 0.7.1

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1.155 httpasyncclient 4.1.2

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```html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1">
</head>
```

---

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1995
<!DOCTYPE html>
<html lang="en"

<head>

<title>Apache License, Version 2.0</title> 
<link href='https://fonts.googleapis.com/css?family=Source+Sans+Pro:400,700%7cDroid+Serif:400,700' rel='stylesheet' type='text/css'>
<link href="/css/min.bootstrap.css" rel="stylesheet">
<link href="/css/styles.css" rel="stylesheet">

<meta name="description" content="Home page of The Apache Software Foundation">
<link rel="apple-touch-icon" sizes="57x57" href="/favicons/apple-touch-icon-57x57.png">
<link rel="apple-touch-icon" sizes="60x60" href="/favicons/apple-touch-icon-60x60.png">
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<link rel="icon" type="image/png" href="/favicons/favicon-32x32.png" sizes="32x32">
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<link rel="icon" type="image/png" href="/favicons/favicon-96x96.png" sizes="96x96">
<link rel="icon" type="image/png" href="/favicons/android-chrome-192x192.png" sizes="192x192">
<link rel="icon" type="image/png" href="/favicons/favicon-16x16.png" sizes="16x16">
<link rel="manifest" href="/favicons/manifest.json">
<link rel="shortcut icon" href="/favicons/favicon.ico">
<meta name="msapplication-TileColor" content="#603cba">
<meta name="msapplication-TileImage" content="/favicons/mstile-144x144.png">
<meta name="msapplication-config" content="/favicons/browserconfig.xml">
<meta name="theme-color" content="#303284">
</head>

<body>

<!-- Navigation -->
<header>
<nav class="navbar navbar-default navbar-fixed-top">
<div class="container">
<div class="navbar-header">
<button class="navbar-toggle" type="button" data-toggle="collapse" data-target="#mainnav-collapse">
</button>
</div>
</header>

<!-- Navigation -->
<header>
<nav class="navbar navbar-default navbar-fixed-top">
<div class="container">
<div class="navbar-header">
<button class="navbar-toggle" type="button" data-toggle="collapse" data-target="#mainnav-collapse">
</button>
</div>
</header>

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</head>

<body>

<!- Navigation -->
<header>
<nav class="navbar navbar-default navbar-fixed-top">
<div class="container">
<div class="navbar-header">
<button class="navbar-toggle" type="button" data-toggle="collapse" data-target="#mainnav-collapse">
</button>
</div>
</header>

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1997
/* The following code is added by mdx_elementid.py
   It was originally lifted from http://subversion.apache.org/style/site.css */
/*
* Hide class="elementid-permalink", except when an enclosing heading
* has the :hover property.
*/
.headerlink, .elementid-permalink {
  visibility: hidden;
}

h2:hover > .headerlink, h3:hover > .headerlink, h1:hover > .headerlink, h6:hover > .headerlink, h4:hover > .headerlink, h5:hover > .headerlink, dt:hover > .elementid-permalink { visibility: visible }


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<footer class="bg-primary">
1.156 httpclient 4.5.1

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1.166 httpcore 4.4.5

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<meta http-equiv="X-UA-Compatible" content="IE=edge">
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<meta name="msapplication-config" content="/favicons/browserconfig.xml">
<meta name="theme-color" content="#303284">
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<li class="dropdown">
    <a href="#" class="dropdown-toggle" data-toggle="dropdown">Get Involved <span class="caret"></span></a>
    <ul class="dropdown-menu" role="menu">
        <li><a href="/foundation/getinvolved.html">Overview</a></li>
        <li><a href="http://community.apache.org/">Community Development</a></li>
        <li><a href="http://helpwanted.apache.org/">Help Wanted</a></li>
        <li><a href="http://www.apachecon.com/">ApacheCon</a></li>
    </ul>
</li>

<li><a href="/dyn/closer.cgi">Download</a></li>

<li class="dropdown">
    <a href="#" class="dropdown-toggle" data-toggle="dropdown">Support Apache <span class="caret"></span></a>
    <ul class="dropdown-menu" role="menu">
        <li><a href="/foundation/sponsorship.html">Sponsorship</a></li>
        <li><a href="/foundation/contributing.html">Donations</a></li>
        <li><a href="/foundation/buy_stuff.html">Buy Stuff</a></li>
        <li><a href="/foundation/thanks.html">Thanks</a></li>
    </ul>
</li>

</ul>
</div>
</header>

<!-- / Navigation -->

<div class="container">
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        <div class="col-md-6 col-sm-5 col-xs-12">
            <img src="/img/asf_logo.png" alt="Apache Logo" style="max-width: 100%;">
        </div>
        <div class="col-md-3 col-sm-3 col-xs-6">
            <a href="http://apache.org/foundation/contributing.html" title="Support Apache">
                <img src="/images/SupportApache-small.png" style="height: 150px; width: 150px; margin-top: 5px; margin-bottom: 5px;"/>
            </a>
        </div>
        <div class="col-md-3 col-sm-4 col-xs-6">
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                        var gcse = document.createElement('script');
                        gcse.type = 'text/javascript';
                        gcse.async = true;
                        gcse.src = (document.location.protocol == 'https:' ? 'https:' : 'http:') + '://cse.google.com/cse.js?cx=' + cx;
                </script>
            </div>
        </div>
    </div>
</div>
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s.parentNode.insertBefore(gcse, s);
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<a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/governance/">The Apache Way</a>
<a role="button" class="btn btn-block btn-default btn-xs" href="https://community.apache.org/contributors/">Contribute</a>
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1.167 httpcore 4.4.6
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1.168 httpcore-nio 4.4.5

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<html lang="en">
<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta name="description" content="Home page of The Apache Software Foundation">
<link rel="apple-touch-icon" sizes="57x57" href="/favicons/apple-touch-icon-57x57.png">
<link rel="apple-touch-icon" sizes="60x60" href="/favicons/apple-touch-icon-60x60.png">
<link rel="apple-touch-icon" sizes="72x72" href="/favicons/apple-touch-icon-72x72.png">
<link rel="apple-touch-icon" sizes="76x76" href="/favicons/apple-touch-icon-76x76.png">
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<td>2018</td>
<td><a href="http://www.apache.org/foundation/contributing.html">Details</a></td>
</tr>
</tbody>
</table>

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</pre></div></div>
1.169 httpmime 4.5.2
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<meta http-equiv="X-UA-Compatible" content="IE=edge">
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<body>
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</body>
</html>
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1.170 icu 52.1-3 :3

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## -*-makefile-*-
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<
```
## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
| sed '\''s/\($*\)\.o[ :]*/\1.o $@ : /g'\'' > $@; \
[ -s $@ ] || rm -f $@'
%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
| sed '\''s/\($*\)\.o[ :]*/\1.o $@ : /g'\'' > $@; \
[ -s $@ ] || rm -f $@'
## Versioned libraries rules
%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}.$(SO).$(SO_TARGET_VERSION) $@
## Bind internal references
# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic
# Dependencies [i.e. map files] for the final library
BIR_DEPS=
## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =
## End BSD-specific setup
This package was debianized by Jay Berkenbilt <qjb@debian.org> on
August 5, 2005.
The original source was downloaded from
http://icu-project.org/download/latest_milestone.html
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2125


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1.171 icu 52.1-3ubuntu0.4 :3ubuntu0.4
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```bash
#-*-makefile-*-#
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Commands to generate dependency files
```
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.$(STATIC_O): $(srcdir)/%.c
 $(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
 $(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.$(STATIC_O): $(srcdir)/%.cpp
 $(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
 $(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srcdir)/%.c
 @echo "generating dependency information for $<"
 @$(SHELL) -ec '$(GEN_DEPS.c) $< | sed "s/\(^([^/]*\/)[^/]*\)/\1.o $@ : /g" > $@; \
 [ -s $@ ] || rm -f $@'
%.d: $(srcdir)/%.cpp
 @echo "generating dependency information for $<"
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@$(SHELL) -ec '$(GEN_DEPS.cc) $< \n| sed "\"\v\"\o[ :]*M.o $@ : /g\" > $@; \n[ -s $@ ] || rm -f $@

## Versioned libraries rules

%.SO.$(SO_TARGET_VERSION_MAJOR): %.SO.$(SO_TARGET_VERSION)
$(RM) $@ && ln -s $(<F) $@
%.SO.: %.SO.$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s $(<F).SO.$(SO_TARGET_VERSION) $@

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

## End BSD-specific setup
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
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<meta http-equiv="Content-Type" content="text/html;charset=UTF-8">
<title>ICU License - ICU 1.8.1 and later</title>
</head>

<body BGCOLOR="#ffffff">
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1.174.1 iproute2 2.6.18

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1.187 jackson-databind 2.6.5

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1.191 jackson-dataformat-xml 2.8.6

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

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 */

package org.jledit.simple;

import jline.Terminal;
import jline.console.KeyMap;
import org.fusesource.jansi.Ansi;
import org.jledit.command.Command;
import org.jledit.command.CommandNotFoundException;
import org.jledit.command.editor.BackspaceCommand;
import org.jledit.command.editor.DeleteCommand;
import org.jledit.command.editor.FindCommand;
import org.jledit.command.editor.FindNextCommand;
import org.jledit.command.editor.FindPreviousCommand;
import org.jledit.command.editor.GoToCommand;
import org.jledit.command.editor.MoveCursorDownCommand;
import org.jledit.command.editor.MoveCursorLeftCommand;
import org.jledit.command.editor.MoveCursorRightCommand;
import org.jledit.command.editor.MoveCursorToEndOfLineCommand;
import org.jledit.command.editor.MoveCursorToStartOfLineCommand;
import org.jledit.command.editor.MoveCursorUpCommand;
import org.jledit.command.editor.NewLineCommand;
import org.jledit.command.editor.PasteCommand;
import org.jledit.command.editor.QuitCommand;
import org.jledit.command.editor.TypeCommand;
import org.jledit.command.file.FileCloseCommand;
import org.jledit.command.file.FileOpenCommand;
import org.jledit.command.file.FileSaveCommand;
import org.jledit.undo.RedoCommand;
import org.jledit.undo.UndoCommand;
import org.jledit.AbstractConsoleEditor;
import org.jledit.EditorOperation;
import org.jledit.EditorOperationType;
import org.jledit.utils.Strings;
import org.jledit.utils.internal.KeyMaps;

import java.io.InputStream;
import java.io.PrintStream;
import java.util.LinkedHashMap;
import java.util.LinkedList;
import java.util.List;
import java.util.Map;
import static org.fusesource.jansi.Ansi.ansi;

public class SimpleConsoleEditor extends AbstractConsoleEditor {

    private final Map<String, String> supportedOperations = new LinkedHashMap<String, String>();
    private final List<String> helpLines = new LinkedList<String>();

    public SimpleConsoleEditor(Terminal terminal, InputStream in, PrintStream out) throws Exception {
        super(terminal, in, out);
        setKeys(createKeyMap());
        supportedOperations.put("^O", "Open");
        supportedOperations.put("^X", "Quit");
        supportedOperations.put("^S", "Save");
        supportedOperations.put("^Z", "Undo");
        supportedOperations.put("^R", "Redo");
        supportedOperations.put("^G", "Go To");
        supportedOperations.put("^F", "Find");
        supportedOperations.put("^N", "Next");
        supportedOperations.put("^P", "Previous");
        addHelpLines(helpLines);
        setFooterSize(helpLines.size() + 1);
    }

    public void redrawHeader() {
        saveCursorPosition();
        getConsole().out().print(ansi().cursor(1, 1));
        Ansi style = ansi();
        if (getTheme().getHeaderBackground() != null) {
            style.bg(getTheme().getHeaderBackground());
        }
        if (getTheme().getHeaderForeground() != null) {
            style.fg(getTheme().getHeaderForeground());
        }
        String textCoords = "L:" + getLine() + " C:" + getColumn();
        int displayFileLength = getTerminal().getWidth() - getTitle().length() - textCoords.length() - 1;
        getConsole().out().print(style.a(getTitle()).a(":").a(Strings.tryToTrimToSize(getDisplayAs(), displayFileLength)).a(isDirty() ? DIRTY_SIGN : "").eraseLine(Ansi.Erase.FORWARD));
        getConsole().out().print(ansi().cursor(1, getTerminal().getWidth() - textCoords.length()));
    }
}
getConsole().out().print(ansi().a(textCoords).reset());
getConsole().out().print(ansi().cursor(getTerminal().getHeight(), 1));
restoreCursorPosition();
}
/**
 * Refreshes the footer that displays the current line and column.
 */
public void redrawFooter() {
  saveCursorPosition();
  Ansi style = ansi();
  if (getTheme().getFooterBackground() != null) {
    style.bg(getTheme().getFooterBackground());
  }
  if (getTheme().getFooterForeground() != null) {
    style.fg(getTheme().getFooterForeground());
  }
  getConsole().out().print(style);
  getConsole().out().print(ansi().cursor(getTerminal().getHeight() + 1 - getFooterSize(),
1).eraseLine(Ansi.Erase.FORWARD));
  for (int i = 1; i <= helpLines.size(); i++) {
    String helpLine = helpLines.get(i - 1);
    int startColumn = (getTerminal().getWidth() - helpLine.length()) / 2;
    getConsole().out().print(ansi().cursor(getTerminal().getHeight() + 1 - getFooterSize() + i,
1).eraseLine(Ansi.Erase.FORWARD));
    getConsole().out().print(ansi().cursor(getTerminal().getHeight() + 1 - getFooterSize() + i, startColumn));
    getConsole().out().print(helpLine);
  }
  getConsole().out().print(ansi().reset());
  restoreCursorPosition();
}
/**
 * Redraws the cursor coordinates if the flavor supports that.
 */
@Override
public void redrawCoords() {
  //We redraw the full header to prevent glitches with the coordinates.
  redrawHeader();
}
private void addHelpLines(List<String> helpLines) {
  helpLines.clear();
  StringBuilder sb = new StringBuilder();
  boolean startOfLine = true;
  for (Map.Entry<String, String> entry : supportedOperations.entrySet()) {
    String key = entry.getKey();
    String desc = entry.getValue();
    }
String txt;
if (startOfLine) {
    txt = key + " " + desc;
    startOfLine = false;
} else {
    txt = "    " + key + " " + desc;
}
if (txt.length() + sb.length() > getTerminal().getWidth()) {
    helpLines.add(sb.toString());
    sb.delete(0, sb.length());
    startOfLine = true;
}
sb.append(txt);
}
helpLines.add(sb.toString());

@override
public Command create(EditorOperation operation) throws CommandNotFoundException {
    switch (operation.getType()) {
    case TYPE:
        return new TypeCommand(this, operation.getInput());
    case NEWLINE:
        return new NewLineCommand(this);
    case BACKSPACE:
        return new BackspaceCommand(this);
    case DELETE:
        return new DeleteCommand(this);
    case PASTE:
        return new PasteCommand(this);
    // Cursor operations
    case HOME:
        return new MoveCursorToStartOfLineCommand(this);
    case END:
        return new MoveCursorToEndOfLineCommand(this);
    case UP:
        return new MoveCursorUpCommand(this);
    case DOWN:
        return new MoveCursorDownCommand(this);
    case LEFT:
        return new MoveCursorLeftCommand(this);
    case RIGHT:
        return new MoveCursorRightCommand(this);
    // File Operations
    case SAVE:
        return new FileSaveCommand(this);
    case OPEN:
        return new FileOpenCommand(this, null);
case CLOSE:
    return new FileCloseCommand(this);
case QUIT:
    return new QuitCommand(this);
//UNDO & REDO

case UNDO:
    return new UndoCommand(this, getUndoContext());
case REDO:
    return new RedoCommand(getUndoContext());
case FIND:
    return new FindCommand(this);
case FIND_NEXT:
    return new FindNextCommand(this, null);
case FIND_PREVIOUS:
    return new FindPreviousCommand(this, null);
case GOTO:
    return new GoToCommand(this);
}
throw new CommandNotFoundException("Could not find command for Operation");
}

private KeyMap createKeyMap() {
    Object[] ctrl = new Object[]{
        // Control keys.
        null,            /* Control-@ */
        null,            /* Control-A */
        null,            /* Control-B */
        null,            /* Control-C */
        null,            /* Control-D */
        null,            /* Control-E */
        EditorOperationType.FIND,  /* Control-F */
        EditorOperationType.GOTO,  /* Control-G */
        EditorOperationType.BACKSAPCE,  /* Control-H */
        null,            /* Control-I */
        EditorOperationType.NEWLINE,  /* Control-J */
        null,            /* Control-K */
        null,            /* Control-L */
        EditorOperationType.NEWLINE,  /* Control-M */
        EditorOperationType.FIND_NEXT,  /* Control-N */
        EditorOperationType.OPEN,  /* Control-O */
        EditorOperationType.FIND_PREVIOUS,  /* Control-P */
        EditorOperationType.QUIT,  /* Control-Q */
        EditorOperationType.REDO,  /* Control-R */
        EditorOperationType.SAVE,  /* Control-S */
        null,            /* Control-T */
        EditorOperationType.UNDO,  /* Control-U */
        EditorOperationType.PASTE,  /* Control-V */
    };
    return new KeyMap(ctrl);
}
null,                     /* Control-W */
EditorOperationType.QUIT,  /* Control-X */
null,                     /* Control-Y */
EditorOperationType.UNDO,  /* Control-Z */
null,                     /* Control-[ */
null,                     /* Control-\ */
null,                     /* Control-] */
null,                     /* Control-^ */
null,                     /* Control-_ */
};

KeyMap simpleKeyMap = new KeyMap("simple", false);
for (char c = 0; c < ctrl.length; c++) {
    simpleKeyMap.bind(Character.toString(c), ctrl[c]);
}
for (char c = 32; c < 256; c++) {
    simpleKeyMap.bind(Character.toString(c), EditorOperationType.TYPE);
}
simpleKeyMap.bind(Character.toString((char) 127), EditorOperationType.BACKSPACE);
KeyMaps.bindArrowKeys(simpleKeyMap);
return simpleKeyMap;
}

@Override
public void setDirty(Boolean dirty) {
    super.setDirty(dirty);
    redrawHeader();
}

@Override
public void setReadOnly(boolean readOnly) {
    super.setReadOnly(readOnly);
    if (readOnly) {
        supportedOperations.remove("^S");
    } else {
        supportedOperations.put("^S", "Save");
    }
    addHelpLines(helpLines);
}

@Override
public void setOpenEnabled(boolean openEnabled) {
    super.setOpenEnabled(openEnabled);
    if (!openEnabled) {
        supportedOperations.remove("^O");
    } else {
        supportedOperations.put("^O", "Open");
    }
addHelpLines(helpLines);
}
}

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The primary ANTLR guy:

Terence Parr
parrt@cs.usfca.edu
parrt@antlr.org

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2454
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/*
File: Core.js

Description:

Provides common utility functions and the Class object used internally by the library.

Also provides the <TreeUtil> object for manipulating JSON tree structures

Some of the Basic utility functions and the Class system are based in the MooTools Framework
<http://mootools.net/license.txt>.

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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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That's all there is to it!
============================================================================

Modified by Atlassian

The binary file of the original library has been modified by Atlassian in such way that classes have changed 
their package names from 'org.apache.velocity' to 'clover.org.apache.velocity'. This was necessary to 
avoid potential name conflicts during instrumentation of a code using the original library when using Clover. 
No source code of the original library was modified.

============================================================================

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/*
File: Core.js

Description:

Provides common utility functions and the Class object used internally by the library.

Also provides the <TreeUtil> object for manipulating JSON tree structures

Some of the Basic utility functions and the Class system are based in the MooTools Framework
<http://mootools.net/license.txt>.

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Nicolas Garcia Belmonte

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1.235 jsr311-api 1.1.1

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Public License instead of this License.

Jan Holmberg, <jan@artech.net> :
    o Memory framework
    o HTTP/SSL checkers

Bradley Baetz, <bradley.baetz@optusnet.com.au> :
- MISC checker redesign
- Scheduler framework extension to support child process handling.
- Daemon framework extension to block SIGCHLD to only receive it when its unblocked in the scheduling select loop.

Jeremy Rumpf, <rumpf.6@osu.edu>:
- Added SMTP checker

Chris Caputo, <ccaputo@alt.net>:
- Added dont_track_primary, nopreempt, preempt_delay, and misc_dynamic.

Kevin Lindsay, <kevinl@netnation.com>:
- Fixed shadowed declaration reported by -Wshadow.
- Redesigned signal handling.

Nick Couchman, <nick.couchman at seakr.com>:
- Patch for u_threshold and l_threshold support.

Willy Tarreau, <w at 1wt.eu>:
- Extended VRRP framework to support floating priority.

---

1.246 kerberos 1.12+dfsg-2ubuntu5.2

:2ubuntu5.2

1.246.1 Available under license:

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# This program is intended to be used by "make check-copyright". It
# checks for violations of the coding standards related to copyright
# and license statements in source code comments.

import os
import sys
import re

def warn(fname, ln, msg):
    print '%s: %d: %s' % (fname, ln + 1, msg)

def indicates_license(line):
    return 'Copyright' in line or 'COPYRIGHT' in line or 'License' in line

# Check a comment for boilerplate violations. Return true if the comment
# is a license statement.

def check_comment(comment, fname, ln, code_seen, nonlicense_seen):
    text_seen = False
    is_license = False
    for line in comment:
        if not is_license and indicates_license(line):
            is_license = True
        if text_seen:
            warn(fname, ln, 'License begins after first line of comment')
        elif code_seen:
            warn(fname, ln, 'License after code')
        elif nonlicense_seen:
            warn(fname, ln, 'License after non-license comments')
        break
    # DB2 licenses start with '/*-.' and we don't want to change them.
    if line != '' and line != '-*:
        text_seen = True
    return is_license

def check_file(lines, fname):
    # Skip emacs mode line if present.
    ln = 0
    if '-*- mode: c' in lines[ln]:
        ln += 1
# Check filename comment if present.
m = re.match(r'/\* ([^ ]*) (- .*?) \*/', lines[ln])
if m:
    if m.group(1) != fname:
        warn(fname, ln, 'Wrong filename in comment')
    ln += 1

# Scan for license statements.
in_comment = False
code_seen = False
nonlicense_seen = False
for line in lines[ln:]:
    # Strip out whitespace and comments contained within a line.
    if not in_comment:
        line = re.sub(r'/\*.*?\*/', '', line)
        line = line.strip()
    if not in_comment and '/*' in line:
        (line, sep, comment_part) = line.partition('/*')
        comment = [comment_part.strip()]
        comment_starts_at = ln
        in_comment = True
    elif in_comment and '*/' not in line:
        comment.append(line.lstrip('*').lstrip())
    elif in_comment:
        (comment_part, sep, line) = line.partition('*/')
        comment.append(comment_part.strip())
    is_license = check_comment(comment, fname, comment_starts_at,
                                code_seen, nonlicense_seen)
    nonlicense_seen = nonlicense_seen or not is_license
    in_comment = False
    if line.strip() != '':
        code_seen = True
    ln += 1

for fname in sys.argv[1:]:
    if fname.startswith('./ '):
        fname = fname[2:]
    f = open(fname)
    lines = f.readlines()
    f.close()
    check_file(lines, fname)
/* -*- mode: c; c-basic-offset: 4; indent-tabs-mode: nil -*- */
/* */
/* */

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 */
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/*
 */
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lib/gss_mechs/mech_spnego/mech/spnego_mech.c
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lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
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lib/libgss/g_canon_name.c
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<p>The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in</p>

<tt class="docutils literal"><span class="pre">src/lib/gssapi</span></tt>, including the following files:

- <tt class="docutils literal"><span class="pre">lib/gssapi/gssapi_err_generic.c</span></tt>
- <tt class="docutils literal"><span class="pre">lib/gssapi/mechglue/g_accept_sec_context.c</span></tt>
class="o"/>
</span>

<spantitle="Open Source Used In Ultra Services Platform Version 6.2" class="n">mechglue</span>

<spantitle="" class="o"/>

<spantitle="" class="n">g_acquire_cred</span>

<spantitle="" class="o"/>

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<spantitle="" class="o"/>

<spantitle="" class="n">g_compare_name</span>

<spantitle="" class="o"/>

<spantitle="" class="n">g_context_time</span>

<spantitle="" class="o"/>

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<spantitle="" class="o"/>

<spantitle="" class="n">g_export_name</span>

<spantitle="" class="o"/>

<spantitle="" class="n">g_glue</span>

<spantitle="" class="o"/>

<spantitle="" class="n">g_imp_name</span>

<spantitle="" class="o"/>

<spantitle="" class="n">g_imp_sec_context</span>

<spantitle="" class="o"/>

<spantitle="" class="n">g_init_sec_context</span>

<spantitle="" class="o"/>

<spantitle="" class="n">g_initialize</span>

<spantitle="" class="o"/>

<spantitle="" class="n">g_inquire_context</span>

<spantitle="" class="o"/>

<spantitle="" class="n">lib</span>

<spantitle="" class="o"/>

<spantitle="" class="n">gssapi</span>

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<spantitle="" class="o"/>

<spantitle="" class="n">g_inquire_context</span>

<spantitle="" class="o"/>

<spantitle="" class="n">lib</span>

<spantitle="" class="o"/>

<spantitle="" class="n">gssapi</span>

<spantitle="" class="o"/>
and the initial implementation of incremental propagation, including
the following new or changed files:

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

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   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
```
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.. parsed-literal::

    include/iprop_hdr.h
    kadmin/server/ipropd_svc.c
    lib/kdb/prop.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
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lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

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

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

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# This program is intended to be used by "make check-copyright". It checks for violations of the coding standards related to copyright and license statements in source code comments.

import os
import sys
import re

def warn(fname, ln, msg):
    print '%s: %d: %s' % (fname, ln + 1, msg)

def indicates_license(line):
    return 'Copyright' in line or 'COPYRIGHT' in line or 'License' in line

# Check a comment for boilerplate violations. Return true if the comment is a license statement.
def check_comment(comment, fname, ln, code_seen, nonlicense_seen):
    text_seen = False
is_license = False
for line in comment:
    if not is_license and indicates_license(line):
        is_license = True
    if text_seen:
        warn(fname, ln, 'License begins after first line of comment')
    elif code_seen:
        warn(fname, ln, 'License after code')
    elif nonlicense_seen:
        warn(fname, ln, 'License after non-license comments')
        break
    # DB2 licenses start with '/*-' and we don't want to change them.
    if line != '' and line != '-':
        text_seen = True
    return is_license

def check_file(lines, fname):
    # Skip emacs mode line if present.
    ln = 0
    if '-' in lines[ln]:
        ln += 1
    # Check filename comment if present.
    m = re.match(r'/\* ([^\s]*) (- .*)? \*/', lines[ln])
    if m:
        if m.group(1) != fname:
            warn(fname, ln, 'Wrong filename in comment')
        ln += 1
    # Scan for license statements.
    in_comment = False
code_seen = False
nonlicense_seen = False
for line in lines[ln:]:
    # Strip out whitespace and comments contained within a line.
    if not in_comment:
        line = re.sub(r'[^\s\*\?\*\s\*\r\n]', '', line)
        line = line.strip()
    if in_comment and '*/' not in line:
        comment.append(line.lstrip('*').lstrip())
    elif in_comment:
        (comment_part, sep, line) = line.partition('*/')
    elif in_comment and '/' in line:
        (line, sep, comment_part) = line.partition('/')
        comment = [comment_part.strip()]
        comment_starts_at = ln
        in_comment = True
    elif in_comment and '/*' not in line:
        comment.append(line.lstrip('/*').lstrip())
    elif in_comment:
        (comment_part, sep, line) = line.partition('/*')
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- `lib/gssapi/generic/gssapi_err_generic.c`
- `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`
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in
`src/lib/gssapi`, including the following files:

.. parsed-literal::

   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_gluce.c
   lib/gssapi/mechglue/g_imp_name.c
   lib/gssapi/mechglue/g_imp_sec_context.c
   lib/gssapi/mechglue/g_init_sec_context.c
   lib/gssapi/mechglue/g_initialize.c
   lib/gssapi/mechglue/g_inquire_context.c
   lib/gssapi/mechglue/g_inquire_cred.c
   lib/gssapi/mechglue/g_inquire_names.c
   lib/gssapi/mechglue/g_process_context.c
   lib/gssapi/mechglue/g_rel_buffer.c
   lib/gssapi/mechglue/g_rel_cred.c
   lib/gssapi/mechglue/g_rel_name.c
   lib/gssapi/mechglue/g_rel_oid_set.c
   lib/gssapi/mechglue/g_seal.c
   lib/gssapi/mechglue/g_sign.c
   lib/gssapi/mechglue/g_store_cred.c
   lib/gssapi/mechglue/g_unseal.c
   lib/gssapi/mechglue/g_userok.c
   lib/gssapi/mechglue/g-utils.c
   lib/gssapi/mechglue/g_verify.c
   lib/gssapi/mechglue/gssd_pname_to_uid.c
   lib/gssapi/mechglue/mglueP.h
   lib/gssapi/mechglue/oid_ops.c
   lib/gssapi/spnego/gssapiP_spnego.h
   lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including
the following new or changed files:
include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplog.c

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This is the Debian GNU/Linux prepackaged version of kmod.

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snakeyaml-NOTICE

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***The art of simplicity is a puzzle of complexity.***

## Overview ##

[YAML](http://yaml.org) is a data serialization format designed for human readability and interaction with scripting languages.

SnakeYAML is a YAML processor for the Java Virtual Machine.

## SnakeYAML features ##

* a **complete** [YAML 1.1 processor](http://yaml.org/spec/1.1/current.html). In particular, SnakeYAML can parse all examples from the specification.
* Unicode support including UTF-8/UTF-16 input/output.
* high-level API for serializing and deserializing native Java objects.
* support for all types from the [YAML types repository](http://yaml.org/type/index.html).
* relatively sensible error messages.

## Info ##

* [Changes](https://bitbucket.org/asomov/snakeyaml/wiki/Changes)
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1.262 libffi6 3.0.11

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1.263 libgcrypt 1.5.3-2ubuntu4.2

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1.264 libicu 52.1-3ubuntu0.3 :3ubuntu0.3

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```makefile
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,
```
## Compiler switch to embed a library name

LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options

LD_SOOPTIONS = -Wl,-Bsymbolic

## Shared object suffix

SO = so

## Non-shared intermediate object suffix

STATIC_O = ao

## Compilation rules

%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<

%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<

%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules

%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \n | sed \"s/\([^*]\)\.o[ :]*\([^*]\)o[ :=]*\([^*]\)o[ :=]*\([^*]\)o[ :=]*\([^*]\)o[ :=]*\([^*]\)o[ :=]*\([^*]\)o[ :=]*\([^*]\)o[ :=]*\([^*]\)o[ :=]*\([^*]\)o[ :=]*\([^*]\)o[ :=]*\([^*]\)o[ :=]*\[^g\]" > $@; \n | -s $@ ] || rm -f $@'

## Versioned libraries rules

%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s $(<F> $@ $<)

%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s $(<F> $< $(SO).$(SO_TARGET_VERSION_MAJOR) $@)

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS = -Wl,-Bsymbolic
# Dependencies [i.e. map files] for the final library

BIR_DEPS=

## Remove shared library 's'

STATIC_PREFIX_WHEN_USED =

STATIC_PREFIX =

## End BSD-specific setup

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1.265 libicu 48

1.266 libicu 52.1-3ubuntu0.4

1.267 libidn 1.28-1ubuntu2 :1ubuntu2

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1.268 libintl 0.18.2 :2

1.269 libjpeg 6b

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DOCUMENTATION ROADMAP

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.
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Other documentation files in the distribution are:

User documentation:
install.doc  How to configure and install the IJG software.
usage.doc    Usage instructions for cjpeg, djpeg, jpegtran,
             rdjpgcom, and wrjpgcom.
*.1          Unix-style man pages for programs (same info as usage.doc).
wizard.doc   Advanced usage instructions for JPEG wizards only.
change.log   Version-to-version change highlights.

Programmer and internal documentation:
libjpeg.doc  How to use the JPEG library in your own programs.
example.c    Sample code for calling the JPEG library.
structure.doc Overview of the JPEG library's internal structure.
filelist.doc Road map of IJG files.
coderules.doc Coding style rules --- please read if you contribute code.

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

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

OVERVIEW
========

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

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

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

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

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

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

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

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REFERENCES
==========
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
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
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:

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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

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

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

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

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

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RELATED SOFTWARE

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

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/.

Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is;
you are likely to have difficulty making it work on any non-Unix machine.

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

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

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

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

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

TO DO
=====

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

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

As always, speeding things up is of great interest.

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

1.270 libjpeg8-empty 8c-2ubuntu8 :2ubuntu8

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1.274 libpcap 1.5.3-2 :2

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+ Anand Kumria <wildfire@progsoc.org>
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table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

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

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

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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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That's all there is to it!

1.278 libsmi 0.4.8+dfsg2-8ubuntu2 :8ubuntu2
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------------------------------------------------------------------------------
lib/snprintf.c, lib/snprintf.h:

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tools/shhopt.c, tools/shhopt.h:

Title: shhopt - library for parsing command line options.
Version: 1.1.2
Entered-date: 23MAR97
Description: C-functions for parsing command line options, both
traditional one-character options, and GNU'ish
--long-options.
Keywords: programming, library, lib, commandline, options
Author: s.h.huseby@usit.uio.no (Sverre H. Huseby)
Primary-site: http://www.ifi.uio.no/~sverrehu/pub-unix/
Alternate-site: sunsite.unc.edu /pub/Linux/libs
shhopt-1.1.2.tar.gz
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------------------------------------------------------------------------------

1.279 libsmi 0.2.17
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1.280 libtasn1 3.4-3ubuntu0.3 :3ubuntu0.3

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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.

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

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

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:23.3ubuntu1

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1.284 libx11 2:1.6.2-1ubuntu2 :1ubuntu2

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1.285 libxcb 1.10-2ubuntu1 :2ubuntu1

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1.292 lm_sensors 3.3.4-2ubuntu1 :2ubuntu1

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* Merlin Hughes
  Original author of sensord.
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  Many improvements to the libsensors configuration file scanner.
* Jean Delvare
  New libsensors API, and migration of sensors and sensord thereto.
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1.312 lua 5.1.5

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analysis/common/src/java\texttt{org/apache/lucene/analysis/hu/HungarianLightStemmer.java}
analysis/common/src/java\texttt{org/apache/lucene/analysis/it/ItalianLightStemmer.java}
analysis/common/src/java\texttt{org/apache/lucene/analysis/pt/PortugueseLightStemmer.java}
analysis/common/src/java\texttt{org/apache/lucene/analysis/ru/RussianLightStemmer.java}
analysis/common/src/java\texttt{org/apache/lucene/analysis/sv/SwedishLightStemmer.java}
\end{verbatim}

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

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

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

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

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

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

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1.375 openssh 6.6p1-2ubuntu2 :2ubuntu2

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 */

/* OPENBSD ORIGINAL: sys/sys/poll.h */

#include <sys/types.h>
#include <poll.h>

typedef struct pollfd {


int fd;
short events;
short revents;
} pollfd_t;

typedef unsigned int nfds_t;

#define POLLIN 0x0001
#define POLLHUP 0x0010
#define POLLNVAL 0x0020
#define POLLRDYNORM 0x0040
#define POLLNORMPOLLRDYNORM
#define POLLWRNORM POLLHUP
#define POLLRDYNORM POLLRDYNORM
#define POLLWRBAND POLLHUP

#define INFTIM (-1) /* not standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */

/* $Id: bsd-setres_id.h,v 1.1 2012/11/05 06:04:37 dtucker Exp $ */

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#ifndef HAVE_SETRESGID
int setresgid(gid_t, gid_t, gid_t);
#endif
#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif

/* Std: bsd-waitpid.h,v 1.5 2003/08/29 16:59:52 mouring Exp */

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 *
 */

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define W_EXIT(w)(*(int*)&(w))/* convert union wait to int */
#define WEXITED(w)!((W_INT(w)) & 0377)
#define WSTOPPED(w)((W_INT(w)) & 0100)
#define WTERMSIG(w)((W_INT(w)) & 0177)
#define WCOREFLAG 0x80
#define WCOREDUMP(w)((W_INT(w)) & WCOREFLAG)
#endif
#endif

Open Source Used In Ultra Services Platform Version 6.2

3920
/* Prototype */

pid_t waitpid(int, int *, int);

#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */

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**1.376 openssh 6.6p1-2ubuntu2.4**

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It is split out from the main package to isolate the dependency on the Gnome and X11 libraries.

It was packaged for Debian by Philip Hands <phil@hands.com>.

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*
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1.382 ops4j-base-monitors 1.5.0
1.383 ops4j-base-net 1.5.0

1.384 ops4j-base-util-collections 1.5.0

1.385 ops4j-base-util-property 1.5.0

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1.387 org-eclipse 3.10.101.v20150820-1432

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1.388 org.apache.aries.blueprint.api 1.0.1

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1.422 org.apache.karaf.features.core 4.0.7

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1.423 org.apache.karaf.instance.core 4.0.7

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1.424 org.apache.karaf.jaas.blueprint.config

4.0.7

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1.436 org.apache.karaf.shell.commands 4.0.7
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1.437 org.apache.karaf.shell.console 4.0.7
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1.438 org.apache.karaf.shell.core 4.0.7

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1.440 org.apache.karaf.shell.table 4.0.7

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1.446

org.apache.servicemix.specs.activation-api-1.1 2.7.0

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1.448 org.apache.servicemix.specs.jaxb-api-2.2 2.7.0
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1.460 patch 2.7.1-4ubuntu2.3

1.460.1 Available under license:

This is Debian's prepackaged version of patch, Larry Wall's program that allows you to apply diffs to a file automagically.

The current maintainer for this package is Laszlo Boszormenyi (GCS) <gcs@debian.org>.

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Version 3, 29 June 2007

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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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snakeyaml-NOTICE

***The art of simplicity is a puzzle of complexity.***
## Overview ##

[YAML](http://yaml.org) is a data serialization format designed for human readability and interaction with scripting languages.

SnakeYAML is a YAML processor for the Java Virtual Machine.

## SnakeYAML features ##

* a **complete** [YAML 1.1 processor](http://yaml.org/spec/1.1/current.html). In particular, SnakeYAML can parse all examples from the specification.
* Unicode support including UTF-8/UTF-16 input/output.
* high-level API for serializing and deserializing native Java objects.
* support for all types from the [YAML types repository](http://yaml.org/type/index.html).
* relatively sensible error messages.

## Info ##

* [Changes](https://bitbucket.org/asomov/snakeyaml/wiki/Changes)
* [Documentation](https://bitbucket.org/asomov/snakeyaml/wiki/Documentation)

## Contribute ##

* Mercurial DVCS is used to dance with the [source code](https://bitbucket.org/asomov/snakeyaml/src).
* If you find a bug in SnakeYAML, please [file a bug report](https://bitbucket.org/asomov/snakeyaml/issues?status=new&status=open).
* You may discuss SnakeYAML at [the mailing list](http://groups.google.com/group/snakeyaml-core).

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The code for the t-digest was originally authored by Ted Dunning.

A number of small but very helpful changes have been contributed by Adrien Grand (https://github.com/jpountz)

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1.474 perl 5.18.2 :2ubuntu1
1.474.1 Available under license :

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------------------------------------------------------------------------------

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

---
abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>'
- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>.'
built_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
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  version: 3
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The End

1.475 perl 5.18.2-2ubuntu1.1

1.475.1 Available under license :

use strict;
use lib 't/lib';
use MBTest;
use DistGen;

plan 'no_plan';

# Ensure any Module::Build modules are loaded from correct directory
blib_load('Module::Build');
Create test distribution

```perl
my $dist = DistGen->new(
    name => 'Simple::Name',
    version => '0.01',
    license => 'perl'
);

$dist->regen;
$dist->chdir_in;

my $mb = $dist->new_from_context();
isa_ok( $mb, "Module::Build" );
is( $mb->license, 'perl',
    "license 'perl' is valid" );

my $meta = $mb->get_metadata( fatal => 0 );

is( $meta->{license} => 'perl', "META license will be 'perl" );
is( $meta->{resources}{license}, "http://dev.perl.org/licenses/",
    "META license URL is correct" );

}

my $dist = DistGen->new(
    name => 'Simple::Name',
    version => '0.01',
    license => 'VaporWare'
);

$dist->regen;
$dist->chdir_in;

my $mb = $dist->new_from_context();
isa_ok( $mb, "Module::Build" );
is( $mb->license, 'VaporWare',
    "license 'VaporWare' is valid" );

my $meta = $mb->get_metadata( fatal => 0 );

is( $meta->{license} => 'unrestricted', "META license will be 'unrestricted" );
```
is( $meta->{resources}{license}, "http://example.com/vaporware/", "META license URL is correct" );

}

# Test with alpha number
# vim:ts=2:sw=2:et:sta:sts=2
Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: perl
Source: http://www.perl.com/CPAN/src/5.0/
Comment:
This package was debianized by Brendan O'Dea <bod@debian.org> on
Thu, 17 Aug 2000 16:10:54 +1000.

Upstream Authors:

- Larry Wall et. al. (see /usr/share/doc/perl/AUTHORS).

Last checked against: Perl 5.18.2

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#!/usr/bin/perl -w
use strict;
use Test::More tests => 8;

my $upstream_version;
ok(open(P, "dpkg-parsechangelog "), "successfully piping from dpkg-parsechangelog");
while (<P>) {
    /^Version: (.+)-[^-]+$/ or next;
    $upstream_version = $1;
    last;
}
isnt($upstream_version, "", "found upstream version from dpkg-parsechangelog output");
ok(close P, "dpkg-parsechangelog exited normally");

my $checked_version;
ok(open(C, "<debian/copyright"), "successfully opened debian/copyright");
while (<C>) {
    next if !/^ Last checked against: Perl (.+)/;
    $checked_version = $1;
    last;
}
isnt($checked_version, "", "found checked version from debian/copyright");
close C;

is($checked_version, $upstream_version,
    "debian/copyright last checked for the current upstream version");

SKIP: {
    system('which cme >/dev/null 2>&1');
    my $cmd;
    if ($?) {
        system('which config-edit >/dev/null 2>&1');
        skip('no cme or config-edit or available', 2) if $?;
        $cmd = 'config-edit -application dpkg-copyright -ui none';
    } else {
        $cmd = 'cme check dpkg-copyright';
    }
    diag("checking debian/copyright which copyright checker '$cmd'");
    unlike( qx/$cmd 2>&1/, qr/error/,
        'no error messages from copyright checker when parsing debian/copyright');
    is($?, 0, 'copyright checker exited successfully');
}
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

---
abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>'
- "Development questions, bug reports, and patches should be sent to the\n  Module-Build mailing list at <module-build@perl.org>.'
build_requires:
File::Temp: 0.15
Test::Harness: 3.16
Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
url: http://module-build.sourceforge.net/META-spec-v1.4.html
version: 1.4
name: Module-Build
resources:
MailingList: mailto:module-build@perl.org
license: http://dev.perl.org/licenses/
repository: http://github.com/dagolden/module-build/
version: 3

1.476 plexus-cipher 1.7
1.477 plexus-component-annotations 1.5.5

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From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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It is currently maintained by Marco d’Itri <md@linux.it>.

Original sources were obtained from:
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Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

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

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

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Version 2, June 1991

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

Preamble

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

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

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

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

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

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<one line to give the library's name and a brief idea of what it does.>
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Also add information on how to contact you by electronic and paper mail.

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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!

1.486 profiles 4.0.7

1.487 python 2.7

1.487.1 Available under license:

A. HISTORY OF THE SOFTWARE

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

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnrí.reston.va.us) in Reston, Virginia where he released several versions of the software.
In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to
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Mersenne Twister
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A C-program for MT19937, with initialization improved 2002/1/26. Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed) or init_by_array(init_key, key_length).

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Sockets
-------

The `socket` module uses the functions, `getaddrinfo`, and `getnameinfo`, which are coded in separate source files from the WIDE Project, http://www.wide.ad.jp/.

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UUencode and UUdecode functions

-------------------------------

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Modified by Jack Jansen, CWI, July 1995:
   - Use binascii module to do the actual line-by-line conversion
     between ascii and binary. This results in a 1000-fold speedup. The C
     version is still 5 times faster, though.
   - Arguments more compliant with Python standard

XML Remote Procedure Calls

--------------------------

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test_epoll

--------

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--------

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SipHash24
--------

The file `Python/pyhash.c` contains Marek Majkowski' implementation of Dan Bernstein's SipHash24 algorithm. The contains the following note:

```mit
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```

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```mit
Original location:
https://github.com/majek/csiphash/
```

Solution inspired by code from:

Samuel Neves (supercop/crypto_auth/siphash24/little)
Open Source Used In Ultra Services Platform Version 6.2

djb (supercop/crypto_auth/siphash24/little2)
Jean-Philippe Aumasson (https://131002.net/siphash/siphash24.c)

strtod and dtoa
--------------

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and strtod for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available from http://www.netlib.org/fp/. The original file, as retrieved on March 16, 2009, contains the following copyright and licensing notice::

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-------

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-----

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------

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zlib
----

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Jean-loup Gailly       Mark Adler
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cfuhash
-------

The implementation of the hash table used by the :mod:`tracemalloc` is based on the cfuhash project:

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--------

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.
In 1995, Guido continued his work on Python at the Corporation for
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In May 2000, Guido and the Python core development team moved to
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<th>Owner</th>
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<td>yes</td>
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1.489 python-pam 0.4.2-13.1ubuntu3

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This is the Debian package of a Python PAM module.

This package was put together by Gregor Hoffleit <flight@debian.org>,
from sources obtained from


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1.491 python2.7 2.7.6-8ubuntu0.2

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In 1995, Guido continued his work on Python at the Corporation for
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In May 2000, Guido and the Python core development team moved to
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Mersenne Twister
----------------

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A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

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Any feedback is very welcome.
http://www.math.keio.ac.jp/matumoto/emt.html
email: matumoto@math.keio.ac.jp

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-------

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*/
/* Modified by Guido van Rossum */
/* Beep added by Mark Hammond */
/* Win9X Beep and platform identification added by Uncle Timmy */
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================================

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

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

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

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1.501 registry 4.0.7

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Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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- analysis/common/src/java/org/apache/lucene/analysis/es/SpanishMinimalStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianMinimalStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

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Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
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mecab-ipadic-2.7.0-20070801

which can be obtained from

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or

http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz

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snakeyaml-NOTICE

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***The art of simplicity is a puzzle of complexity.***

## Overview ##

[YAML](http://yaml.org) is a data serialization format designed for human readability and interaction with scripting languages.

SnakeYAML is a YAML processor for the Java Virtual Machine.

## SnakeYAML features ##

* a **complete** [YAML 1.1 processor](http://yaml.org/spec/1.1/current.html). In particular, SnakeYAML can parse all examples from the specification.
* Unicode support including UTF-8/UTF-16 input/output.
* high-level API for serializing and deserializing native Java objects.
* support for all types from the [YAML types repository](http://yaml.org/type/index.html).
* relatively sensible error messages.

## Info ##

* [Changes](https://bitbucket.org/asomov/snakeyaml/wiki/Changes)
* [Documentation](https://bitbucket.org/asomov/snakeyaml/wiki/Documentation)

## Contribute ##

* Mercurial DVCS is used to dance with the [source code](https://bitbucket.org/asomov/snakeyaml/src).
* If you find a bug in SnakeYAML, please [file a bug report](https://bitbucket.org/asomov/snakeyaml/issues?status=new&status=open).
* You may discuss SnakeYAML at [the mailing list](http://groups.google.com/group/snakeyaml-core).

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Spatial4j-NOTICE

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The code for the t-digest was originally authored by Ted Dunning

A number of small but very helpful changes have been contributed by Adrien Grand (https://github.com/jpountz)

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1.512 securesm 1.1

1.513 sed 4.2.2-4ubuntu1 :4ubuntu1

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/*
 * avcstat - Display SELinux avc statistics.
 *
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 *
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 *
 */
#include <stdio.h>
#include <stdlib.h>
```
#include <libgen.h>
#include <stdarg.h>
#include <errno.h>
#include <string.h>
#include <fcntl.h>
#include <unistd.h>
#include <signal.h>
#include <sys/types.h>
#include <sys/stat.h>
#include <sys/ioctl.h>
#include <linux/limits.h>

#define DEF_STAT_FILE	"/avc/cache_stats"
#define DEF_BUF_SIZE	8192
#define HEADERS	"lookups hits misses allocations reclaims frees"

struct avc_cache_stats {
    unsigned long long lookups;
    unsigned long long hits;
    unsigned long long misses;
    unsigned long long allocations;
    unsigned long long reclaims;
    unsigned long long frees;
};

static int interval;
static int rows;
static char *progname;
static char buf[DEF_BUF_SIZE];

/* selinuxfs mount point */
extern char *selinux_mnt;

static __attribute__((__format__(printf,1,2))) void die(const char *msg, ...) {
    va_list args;
    
    fputs("ERROR: ", stderr);
    va_start(args, msg);
    vfprintf(stderr, msg, args);
    va_end(args);
    if (errno)
        fprintf(stderr, ": %s", strerror(errno));
    fputc('
', stderr);
    exit(1);
```

static void usage(void)
{
printf("Usage: %s [-c] [-f status_file] [interval]\n\n", proname);
printf("Display SELinux AVC statistics. If the interval parameter is specified, the\n");
printf("program will loop, displaying updated statistics every \interval\ seconds \n");
printf("Relative values are displayed by default. Use the -c option to specify the\n");
printf("display of cumulative values. The -f option specifies the location of the\n");
printf("AVC statistics file, defaulting to \%s\%s\\n\n", selinux_mnt,
      DEF_STAT_FILE);
}

static void set_window_rows(void)
{
    int ret;
    struct winsize ws;

    ret = ioctl(fileno(stdout), TIOCGWINSZ, &ws);
    if (ret < 0 || ws.ws_row < 3)
        ws.ws_row = 24;
    rows = ws.ws_row;
}

static void sighandler(int num)
{
    if (num == SIGWINCH)
        set_window_rows();
}

int main(int argc, char **argv)
{
    struct avc_cache_stats tot, rel, last;
    int fd, i, cumulative = 0;
    struct sigaction sa;
    char avcstatfile[PATH_MAX];
    snprintf(avcstatfile, sizeof avcstatfile, "%s%s", selinux_mnt,
             DEF_STAT_FILE);
    proname = basename(argv[0]);

    memset(&last, 0, sizeof(last));

    while ((i = getopt(argc, argv, "cf:h?--")) != -1) {
        switch (i) {
            }
case 'c':
cumulative = 1;
break;

case 'f':
strncpy(avcstatfile, optarg, sizeof avcstatfile);
break;

case 'h':
case '-':
usage();
exit(0);
default:
usage();
die("unrecognized parameter '\%c'", i);
}

if (optind < argc) {
char *arg = argv[optind];
unsigned int n = strtoul(arg, NULL, 10);

if (errno == ERANGE) {
usage();
die("invalid interval \%s", arg);
}
if (n == 0) {
usage();
exit(0);
}
interval = n;
}

sa.sa_handler = sighandler;
sa.sa_flags = SA_RESTART;
sigemptyset(&sa.sa_mask);

i = sigaction(SIGWINCH, &sa, NULL);
if (i < 0)
die("sigaction");

set_window_rows();
fd = open(avcstatfile, O_RDONLY);
if (fd < 0)
die("open: \%s", avcstatfile);

for (i = 0; i++;
char *line;
ssize_t ret, parsed = 0;
memset(buf, 0, DEF_BUF_SIZE);
ret = read(fd, buf, DEF_BUF_SIZE-1);
if (ret < 0)
die("read");

if (ret == 0)
die("read: \%s\: unexpected end of file",
    avcstatfile);

line = strtok(buf, "\n");
if (!line)
die("unable to parse \%s\: end of line not found",
    avcstatfile);

if (strcmp(line, HEADERS))
die("unable to parse \%s\: invalid headers",
    avcstatfile);

if (li || !(i % (rows - 2)))
printf("%10s %10s %10s %10s %10s %10s
", "lookups",
       "hits", "misses", "allocs", "reclaims", "frees");
memset(&tot, 0, sizeof(tot));

while ((line = strtok(NULL, "\n"))) {
    struct avc_cache_stats tmp;

    ret = sscanf(line, "%llu %llu %llu %llu %llu %llu",
                 &tmp.lookups,
                 &tmp.hits,
                 &tmp.misses,
                 &tmp.allocations,
                 &tmp.reclaims, &tmp.frees);
    if (ret != 6)
die("unable to parse \%s\: scan error",
        avcstatfile);

    tot.lookups += tmp.lookups;
tot.hits += tmp.hits;
tot.misses += tmp.misses;
tot.allocations += tmp.allocations;
tot.reclaims += tmp.reclaims;
tot.frees += tmp.frees;
parsed = 1;
}

if (!parsed)
die("unable to parse \%s\: no data", avcstatfile);
if (cumulative || (!cumulative && !i))
printf("%10Lu %10Lu %10Lu %10Lu %10Lu %10Lu\n",
    tot.lookups, tot.hits, tot.misses,
    tot.allocations, tot.reclaims, tot.frees);
else {
    rel.lookups = tot.lookups - last.lookups;
    rel.hits = tot.hits - last.hits;
    rel.misses = tot.misses - last.misses;
    rel.allocations = tot.allocations - last.allocations;
    rel.reclaims = tot.reclaims - last.reclaims;
    rel.frees = tot.frees - last.frees;
    printf("%10Lu %10Lu %10Lu %10Lu %10Lu %10Lu\n",
        rel.lookups, rel.hits, rel.misses,
        rel.allocations, rel.reclaims, rel.frees);
}

if (!interval)
    break;

memcpy(&last, &tot, sizeof(last));
sleep(interval);

ret = lseek(fd, 0, 0);
if (ret < 0)
    die("lseek");
}

close(fd);
return 0;

1.515 servlet-api 2.5
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</div>
<div id="right">
<script src="templates/right.js" type="text/javascript"></script>
</div>
<div id="content">

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 *
 */
package org.slf4j;
import org.slf4j.helpers.BasicMarkerFactory;
import org.slf4j.helpers.Util;
import org.slf4j.impl.StaticMarkerBinder;

/**
 * MarkerFactory is a utility class producing {@link Marker} instances as appropriate for the logging system currently in use.
 * <p>
 * This class is essentially implemented as a wrapper around an { @link IMarkerFactory} instance bound at compile time.
 * <p>
 * Please note that all methods in this class are static.
 *<p>
 * @author Ceki G"u"l"c"u
 */
 public class MarkerFactory {
 static IMarkerFactory markerFactory;

 private MarkerFactory() {
 }

 static {
 try {
 markerFactory = StaticMarkerBinder.SINGLETON.getMarkerFactory();
 } catch (NoClassDefFoundError e) {
 markerFactory = new BasicMarkerFactory();
 }
 } catch (Exception e) {
 // we should never get here
 Util.report("Unexpected failure while binding MarkerFactory", e);
 }

 /**
 * Return a Marker instance as specified by the name parameter using the previously bound { @link IMarkerFactory} instance.
 * @param name
 * @return marker
 */
 public static Marker getMarker(String name) {
 return markerFactory.getMarker(name);
 }

 /**
 *
* Create a marker which is detached (even at birth) from the MarkerFactory.
*  
* @param name the name of the marker
* @return a dangling marker
* @since 1.5.1
*/
public static Marker getDetachedMarker(String name) {
    return markerFactory.getDetachedMarker(name);
}

/**
 * Return the [@link IMarkerFactory]instance in use.
 *
 * <p>The IMarkerFactory instance is usually bound with this class at
 * compile time.
 *
 * @return the IMarkerFactory instance in use
 */
public static IMarkerFactory getIMarkerFactory() {
    return markerFactory;
}
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*/
package org.slf4j.helpers;

import java.io.ObjectStreamException;
import java.io.Serializable;

import org.slf4j.Logger;
import org.slf4j.LoggerFactory;

abstract class NamedLoggerBase implements Logger, Serializable {

    private static final long serialVersionUID = 7535258609338176893L;
    protected String name;

    public String getName() {
        return name;
    }

    /**
     * Serves as base class for named logger implementation. More significantly, this
class establishes deserialization behavior. See @see #readResolve.
     *
     * @author Ceki Gulcu
     * @since 1.5.3
     */
    abstract class NamedLoggerBase implements Logger, Serializable {

    private static final long serialVersionUID = 7535258609338176893L;

    protected String name;

    public String getName() {
        return name;
    }

    /**
     * Replace this instance with a homonymous (same name) logger returned
     * by LoggerFactory. Note that this method is only called during
deserialization.
     *
     * <p>
     * This approach will work well if the desired ILoggerFactory is the one
     * references by LoggerFactory. However, if the user manages its logger hierarchy
     * through a different (non-static) mechanism, e.g. dependency injection, then
     * this approach would be mostly counterproductive.
     *
     * @return logger with same name as returned by LoggerFactory
     * @throws ObjectStreamException
protected Object readResolve() throws ObjectStreamException {
    // using getName() instead of this.name works even for
    // NOPLogger
    return LoggerFactory.getLogger(getName());
}

1.530 slf4j-log4j12 1.6.1

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1.558 spring-boot-starter-log4j2 1.3.3

1.559 spring-boot-starter-logging 1.3.3

1.560 spring-boot-starter-logging 1.4.1
1.561 spring-boot-starter-test 1.3.3

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with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
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1.601 tcpdump 4.5.1-2ubuntu1.2

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1.602 tomcat-embed-el 8.0.32

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snakeyaml-NOTICE

***The art of simplicity is a puzzle of complexity.***

## Overview ##

[YAML](http://yaml.org) is a data serialization format designed for human readability and interaction with scripting languages.

SnakeYAML is a YAML processor for the Java Virtual Machine.

## SnakeYAML features ##

* a **complete** [YAML 1.1 processor](http://yaml.org/spec/1.1/current.html). In particular, SnakeYAML can parse all examples from the specification.
* Unicode support including UTF-8/UTF-16 input/output.
* high-level API for serializing and deserializing native Java objects.
* support for all types from the [YAML types repository](http://yaml.org/type/index.html).
* relatively sensible error messages.

### Info ###
* [Changes](https://bitbucket.org/asomov/snakeyaml/wiki/Changes)
* [Documentation](https://bitbucket.org/asomov/snakeyaml/wiki/Documentation)

### Contribute ###
* Mercurial DVCS is used to dance with the [source code](https://bitbucket.org/asomov/snakeyaml/src).
* If you find a bug in SnakeYAML, please [file a bug report](https://bitbucket.org/asomov/snakeyaml/issues?status=new&status=open).
* You may discuss SnakeYAML at [the mailing list](http://groups.google.com/group/snakeyaml-core).

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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
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This software includes a binary and/or source version of data from

mecab-ipadic-2.7.0-20070801

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***The art of simplicity is a puzzle of complexity.***

## Overview ##

[YAML](http://yaml.org) is a data serialization format designed for human readability and interaction with scripting
languages.

SnakeYAML is a YAML processor for the Java Virtual Machine.

## SnakeYAML features ##

* a **complete** [YAML 1.1 processor](http://yaml.org/spec/1.1/current.html). In particular, SnakeYAML can
parse all examples from the specification.
* Unicode support including UTF-8/UTF-16 input/output.
* high-level API for serializing and deserializing native Java objects.
* support for all types from the [YAML types repository](http://yaml.org/type/index.html).
* relatively sensible error messages.

## Info ##

* [Changes](https://bitbucket.org/asomov/snakeyaml/wiki/Changes)
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## Contribute ##

* Mercurial DVCS is used to dance with the [source code](https://bitbucket.org/asomov/snakeyaml/src).
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snakeyaml-NOTICE
The art of simplicity is a puzzle of complexity.

## Overview ##

[YAML](http://yaml.org) is a data serialization format designed for human readability and interaction with scripting languages.

SnakeYAML is a YAML processor for the Java Virtual Machine.

## SnakeYAML features ##

* a **complete** [YAML 1.1 processor](http://yaml.org/spec/1.1/current.html). In particular, SnakeYAML can parse all examples from the specification.
* Unicode support including UTF-8/UTF-16 input/output.
* high-level API for serializing and deserializing native Java objects.
* support for all types from the [YAML types repository](http://yaml.org/type/index.html).
* relatively sensible error messages.

## Info ##

* [Changes](https://bitbucket.org/asomov/snakeyaml/wiki/Changes)
* [Documentation](https://bitbucket.org/asomov/snakeyaml/wiki/Documentation)

## Contribute ##

* Mercurial DVCS is used to dance with the [source code](https://bitbucket.org/asomov/snakeyaml/src).
* If you find a bug in SnakeYAML, please [file a bug report](https://bitbucket.org/asomov/snakeyaml/issues?status=new&status=open).
* You may discuss SnakeYAML at [the mailing list](http://groups.google.com/group/snakeyaml-core).

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Jackson is a high-performance, Free/Open Source JSON processing library. 
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has 
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It is currently developed by a community of developers, as well as supported 
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snakeyaml-NOTICE

***The art of simplicity is a puzzle of complexity.***

## Overview ##

[YAML](http://yaml.org) is a data serialization format designed for human readability and interaction with scripting
languages.

SnakeYAML is a YAML processor for the Java Virtual Machine.

## SnakeYAML features ##

* a **complete** [YAML 1.1 processor](http://yaml.org/spec/1.1/current.html). In particular, SnakeYAML can
parse all examples from the specification.
* Unicode support including UTF-8/UTF-16 input/output.
* high-level API for serializing and deserializing native Java objects.
* support for all types from the [YAML types repository](http://yaml.org/type/index.html).
* relatively sensible error messages.
## Info ##
* [Changes](https://bitbucket.org/asomov/snakeyaml/wiki/Changes)
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## Contribute ##
* Mercurial DVCS is used to dance with the [source code](https://bitbucket.org/asomov/snakeyaml/src).
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================================================================================

The code for the t-digest was originally authored by Ted Dunning

A number of small but very helpful changes have been contributed by Adrien Grand (https://github.com/jpountz)

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Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine
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The decompression core code for the deflate method (inflate.[ch],
explode.c) was originally written by Mark Adler who submitted it
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1.610 util-linux 2.20.1-5.1ubuntu20.7

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1.612 velocity 1.7
1.612.1 Available under license:
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1.613 vim 2:7.4.052-1ubuntu3 :1ubuntu3

1.613.1 Available under license :
*uganda.txt* For Vim version 7.4. Last change: 2013 Jul 06

VIM REFERENCE MANUAL by Bram Moolenaar

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below or visit the ICCF web site, available at these URLs:

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http://www.vim.org/iccf/
http://www.iccf.nl/

You can also sponsor the development of Vim. Vim sponsors can vote for features. See [sponsor]. The money goes to Uganda anyway.

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Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.
- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.

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- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.

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Kibaale Children's Centre*kcc* *Kibaale* *charity*

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

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

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

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted.
For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

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

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

*donate*

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

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

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

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Further more, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

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

The address of the centre is:
Kibaale Children's Centre
Sending money:*iccf-donations*

Check the ICCF web site for the latest information! See [iccf](http://iccf-holland.org) for the URL.

USA: The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.
For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly. Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.
Kibaale Children's Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353
If you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse. This will allow for tax deduction if you live in Holland.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return.
Check the ICCF web site for the latest information: http://iccf-holland.org/germany.html

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

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number.
Any other method should work. Ask for information about
Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:


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

Bram@iccf-holland.org

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

Others: Transfer to one of these accounts if possible:

Postbank, account 4548774
Swift code: INGB NL 2A
IBAN: NL95 INGB 0004 5487 74
under the name "stichting ICCF Holland", Lisse

If that doesn't work:

Rabobank Lisse, account 3765.05.117
Swift code: RABO NL 2U
under the name "Bram Moolenaar", Lisse

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

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Bram Moolenaar
Finsterruetihof 1
8134 Adliswil
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                    2004, route des Lucioles, 06565 Valbonne Cedex -- FRANCE
Voice phone:       (33) 93.65.77.71, Fax: (33) 93 65 77 66, Telex: 97 00 50 F

This is the Debian pre-packaged version of Vim. Vim is an almost compatible
version of the UNIX editor Vi. Many new features have been added: multi level
undo, syntax highlighting, command line history, on-line help, filename
completion, block operations, etc.

This package was put together by Wichert Akkerman <wakkerma@debian.org> from
is Debian VIM Maintainers <pkg-vim-maintainers@lists.alioth.debian.org>.

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-- Keir Fraser (on behalf of the Xen team)

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@(#)queue.38.2 (Berkeley) 1/24/94

$FreeBSD$

Dd May 13, 2011
Dt QUEUE 3
Os
Sh NAME
.Nm SLIST_EMPTY,
.Nm SLIST_ENTRY,
.Nm SLIST_FIRST,
.Nm SLIST_FOREACH,
.Nm SLIST_FOREACH_SAFE,
.Nm SLIST_HEAD,
.Nm SLIST_HEAD_INITIALIZER,
.Nm SLIST_INIT,
.Nm SLIST_INSERT_AFTER,
.Nm SLIST_INSERT_HEAD,
.Nm SLIST_NEXT,
.Nm SLIST_REMOVE_AFTER,
.Nm SLIST_REMOVE_HEAD,
.Nm SLIST_REMOVE,
.Nm SLIST_SWAP,
.Nm STAILQ_CONCAT,
.Nm STAILQ_EMPTY,
.Nm STAILQ_ENTRY,
.Nm STAILQ_FIRST,
.Nm STAILQ_FOREACH,
.Nm STAILQ_FOREACH_SAFE,
.Nm STAILQ_HEAD,
.Nm STAILQ_HEAD_INITIALIZER,
.Nm STAILQ_INIT,
.Nm STAILQ_INSERT_AFTER,
.Nm STAILQ_INSERT_HEAD,
.Nm STAILQ_INSERT_TAIL,
.Nm STAILQ_LAST
.Nm STAILQ_NEXT
.Nm STAILQ_REMOVE_AFTER
.Nm STAILQ_REMOVE_HEAD
.Nm STAILQ_REMOVE
.Nm STAILQ_SWAP
.Nm LIST_EMPTY
.Nm LIST_ENTRY
.Nm LIST_FIRST
.Nm LIST_FOREACH
.Nm LIST_FOREACH_SAFE
.Nm LIST_HEAD
.Nm LIST_HEAD_INITIALIZER
.Nm LIST_INIT
.Nm LIST_INSERT_AFTER
.Nm LIST_INSERT_BEFORE
.Nm LIST_INSERT_HEAD
.Nm LIST_NEXT
.Nm LIST_REMOVE
.Nm LIST_SWAP
.Nm TAILQ_CONCAT
.Nm TAILQ_EMPTY
.Nm TAILQ_ENTRY
.Nm TAILQ_FIRST
.Nm TAILQ_FOREACH
.Nm TAILQ_FOREACH_SAFE
.Nm TAILQ_FOREACH_REVERSE
.Nm TAILQ_FOREACH_REVERSE_SAFE
.Nm TAILQ_HEAD
.Nm TAILQ_HEAD_INITIALIZER
.Nm TAILQ_INIT
.Nm TAILQ_INSERT_AFTER
.Nm TAILQ_INSERT_BEFORE
.Nm TAILQ_INSERT_HEAD
.Nm TAILQ_INSERT_TAIL
.Nm TAILQ_LAST
.Nm TAILQ_NEXT
.Nm TAILQ_PREV
.Nm TAILQ_REMOVE
.Nm TAILQ_SWAP

Nd implementations of singly-linked lists, singly-linked tail queues, lists and tail queues

Sh SYNOPSIS
.In sys/queue.h
"\n.Fn SLIST_EMPTY "SLIST_HEAD *head"
.Fn SLIST_ENTRY "TYPE"
.Fn SLIST_FIRST "SLIST_HEAD *head"
These macros define and operate on four types of data structures:
singly-linked lists, singly-linked tail queues, lists, and tail queues.
All four structures support the following functionality:

- Insertion of a new entry at the head of the list.
- Insertion of a new entry after any element in the list.
- O(1) removal of an entry from the head of the list.
- Forward traversal through the list.
- Swapping the contents of two lists.

Singly-linked lists are the simplest of the four data structures
and support only the above functionality.
Singly-linked lists are ideal for applications with large datasets
and few or no removals,
or for implementing a LIFO queue.
Singly-linked lists add the following functionality:
Singly-linked tail queues add the following functionality:

- Entries can be added at the end of a list.
- \( O(n) \) removal of any entry in the list.
- They may be concatenated.

However:

- All list insertions must specify the head of the list.
- Each head entry requires two pointers rather than one.
- Code size is about 15% greater and operations run about 20% slower than singly-linked lists.

Singly-linked tailqs are ideal for applications with large datasets and few or no removals, or for implementing a FIFO queue.

All doubly linked types of data structures (lists and tail queues) additionally allow:

- Insertion of a new entry before any element in the list.
- \( O(1) \) removal of any entry in the list.

However:

- Each element requires two pointers rather than one.
- Code size and execution time of operations (except for removal) is about twice that of the singly-linked data-structures.

Linked lists are the simplest of the doubly linked data structures and support only the above functionality over singly-linked lists.
Tail queues add the following functionality:

- Entries can be added at the end of a list.
- They may be traversed backwards, from tail to head.
- They may be concatenated.

However:

- All list insertions and removals must specify the head of the list.
- Each head entry requires two pointers rather than one.
- Code size is about 15% greater and operations run about 20% slower than singly-linked lists.

In the macro definitions,

- `TYPE` is the name of a user defined structure, that must contain a field of type `SLIST_ENTRY`, `TAILQ_ENTRY`, `LIST_ENTRY`, or `TAILQ_ENTRY`, named `NAME`.
- The argument `HEADNAME` is the name of a user defined structure that must be declared using the macros `SLIST_HEAD`, `TAILQ_HEAD`, `LIST_HEAD`, or `TAILQ_HEAD`.

See the examples below for further explanation of how these macros are used.

A singly-linked list is headed by a structure defined by the `SLIST_HEAD` macro. This structure contains a single pointer to the first element.
The elements are singly linked for minimum space and pointer manipulation overhead at the expense of O(n) removal for arbitrary elements. New elements can be added to the list after an existing element or at the head of the list.

An
.Sa SLIST_HEAD
structure is declared as follows:
.Bd -literal -offset indent
SLIST_HEAD(HEADNAME, TYPE) head;
.Ed
.Pp
where
.Sa HEADNAME
is the name of the structure to be defined, and
.Sa TYPE
is the type of the elements to be linked into the list.
A pointer to the head of the list can later be declared as:
.Bd -literal -offset indent
struct HEADNAME *headp;
.Ed
.Pp
(The names
.Li head
and
.Li headp
are user selectable.)
.Pp
The macro
.Nm SLIST_HEAD_INITIALIZER
evaluates to an initializer for the list
.Sa head
.
Pp
The macro
.Nm SLIST_EMPTY
evaluates to true if there are no elements in the list.
Pp
The macro
.Nm SLIST_ENTRY
declares a structure that connects the elements in the list.
Pp
The macro
.Nm SLIST_FIRST
returns the first element in the list or NULL if the list is empty.
Pp
The macro
.Nm SLIST_FOREACH
traverses the list referenced by
in the forward direction, assigning each element in
turn to

The macro
traverses the list referenced by
in the forward direction, assigning each element in
turn to

However, unlike
here it is permitted to both remove
as well as free it from within the loop safely without interfering with the
traversal.

The macro
initializes the list referenced by

The macro
inserts the new element
at the head of the list.

The macro
inserts the new element
after the element

The macro
returns the next element in the list.

The macro
removes the element after
from the list. Unlike


this macro does not traverse the entire list.

The macro

removes the element

from the head of the list.
For optimum efficiency,
elements being removed from the head of the list should explicitly use
this macro instead of the generic
macro.

The macro

removes the element
from the list.

The macro

swaps the contents of

and

.

.Sg SINGLY-LINKED LIST EXAMPLE
.Bd -literal
SLIST_HEAD(slisthead, entry) head =
    SLIST_HEAD_INITIALIZER(head);
struct slisthead *headp;/* Singly-linked List head. */
struct entry {
...
SLIST_ENTRY(entry) entries;/* Singly-linked List. */
...
} *n1, *n2, *n3, *np;
SLIST_INIT(&head);/* Initialize the list. */

n1 = malloc(sizeof(struct entry));/* Insert at the head. */
SLIST_INSERT_HEAD(&head, n1, entries);

n2 = malloc(sizeof(struct entry));/* Insert after. */
SLIST_INSERT_AFTER(n1, n2, entries);

SLIST_REMOVE(&head, n2, entry, entries);/* Deletion. */
free(n2);

n3 = SLIST_FIRST(&head);
SLIST_REMOVE_HEAD(&head, entries); /* Deletion from the head. */
free(n3);
/* Forward traversal. */
SLIST_FOREACH(np, &head, entries)
np-> ...
/* Safe forward traversal. */
SLIST_FOREACH_SAFE(np, &head, entries, np_temp) {
    np->do_stuff();
    ...
    SLIST_REMOVE(&head, np, entry, entries);
    free(np);
}

while (!SLIST_EMPTY(&head)) { /* List Deletion. */
n1 = SLIST_FIRST(&head);
SLIST_REMOVE_HEAD(&head, entries);
free(n1);
}

.Sh SINGLY-LINKED TAIL QUEUES
A singly-linked tail queue is headed by a structure defined by the
.Nm STAILQ_HEAD
macro.
This structure contains a pair of pointers,
one to the first element in the tail queue and the other to
the last element in the tail queue.
The elements are singly linked for minimum space and pointer
manipulation overhead at the expense of O(n) removal for arbitrary
elements.
New elements can be added to the tail queue after an existing element,
at the head of the tail queue, or at the end of the tail queue.
A
.Fa STAILQ_HEAD
structure is declared as follows:
.Bd -literal -offset indent
STAILQ_HEAD(HEADNAME, TYPE) head;
.Ed
.Pp
where
.Li HEADNAME
is the name of the structure to be defined, and
.Li TYPE
is the type of the elements to be linked into the tail queue.
A pointer to the head of the tail queue can later be declared as:
.Bd -literal -offset indent
struct HEADNAME *headp;
.Ed
.Pp
(The names .Li head and .Li headp are user selectable.)

.Pp
The macro .Nm STAILQ_HEAD_INITIALIZER evaluates to an initializer for the tail queue .Fa head.

.Pp
The macro .Nm STAILQ_CONCAT concatenates the tail queue headed by .Fa head2 onto the end of the one headed by .Fa head1 removing all entries from the former.

.Pp
The macro .Nm STAILQ_EMPTY evaluates to true if there are no items on the tail queue.

.Pp
The macro .Nm STAILQ_ENTRY declares a structure that connects the elements in the tail queue.

.Pp
The macro .Nm STAILQ_FIRST returns the first item on the tail queue or NULL if the tail queue is empty.

.Pp
The macro .Nm STAILQ_FOREACH traverses the tail queue referenced by .Fa head in the forward direction, assigning each element in turn to .Fa var.

.Pp
The macro .Nm STAILQ_FOREACH_SAFE traverses the tail queue referenced by .Fa head in the forward direction, assigning each element in turn to .Fa var.
However, unlike
\texttt{STAILQ_FOREACH}
here it is permitted to both remove
\texttt{var}
as well as free it from within the loop safely without interfering with the
traversal.
\texttt{STAILQ_FOREACH}
The macro
\texttt{STAILQ_INIT}
initializes the tail queue referenced by
\texttt{head}.
\texttt{STAILQ_FOREACH}
The macro
\texttt{STAILQ_INSERT_HEAD}
inserts the new element
\texttt{elm}
at the head of the tail queue.
\texttt{STAILQ_FOREACH}
The macro
\texttt{STAILQ_INSERT_TAIL}
inserts the new element
\texttt{elm}
at the end of the tail queue.
\texttt{STAILQ_FOREACH}
The macro
\texttt{STAILQ_INSERT_AFTER}
inserts the new element
\texttt{elm}
after the element
\texttt{listelm}.
\texttt{STAILQ_FOREACH}
The macro
\texttt{STAILQ_LAST}
returns the last item on the tail queue.
If the tail queue is empty the return value is
\texttt{NULL}.
\texttt{STAILQ_FOREACH}
The macro
\texttt{STAILQ_NEXT}
returns the next item on the tail queue, or NULL this item is the last.
\texttt{STAILQ_FOREACH}
The macro
\texttt{STAILQ_REMOVE_AFTER}
removes the element after
\texttt{elm}
from the tail queue. Unlike
\texttt{STAILQ_FOREACH},
this macro does not traverse the entire tail queue.
The macro `STAILQ_REMOVE_HEAD` removes the element at the head of the tail queue. For optimum efficiency, elements being removed from the head of the tail queue should use this macro explicitly rather than the generic `STAILQ_REMOVE` macro.

The macro `STAILQ_REMOVE` removes the element `elm` from the tail queue.

The macro `STAILQ_SWAP` swaps the contents of `head1` and `head2`.

**SINGLY-LINKED TAIL QUEUE EXAMPLE**

```
STAILQ_HEAD(stailhead, entry) head =
    STAILQ_HEAD_INITIALIZER(head);
struct stailhead *headp; /* Singly-linked tail queue head. */
struct entry {
    ...
    STAILQ_ENTRY(entry) entries; /* Tail queue. */
    ...
} *n1, *n2, *n3, *np;
STAILQ_INIT(&head); /* Initialize the queue. */

n1 = malloc(sizeof(struct entry)); /* Insert at the head. */
STAILQ_INSERT_HEAD(&head, n1, entries);

n1 = malloc(sizeof(struct entry)); /* Insert at the tail. */
STAILQ_INSERT_TAIL(&head, n1, entries);

n2 = malloc(sizeof(struct entry)); /* Insert after. */
STAILQ_INSERT_AFTER(&head, n1, n2, entries);
/* Deletion. */
STAILQ_REMOVE(&head, n2, entry, entries);
free(n2);
/* Deletion from the head. */
n3 = STAILQ_FIRST(&head);
```
STAILQ_REMOVE_HEAD(&head, entries);
free(n3);
/* Forward traversal. */
STAILQ_FOREACH(np, &head, entries)
np-> ... 
/* Safe forward traversal. */
STAILQ_FOREACH_SAFE(np, &head, entries, np_temp) {
np->do_stuff();
...
STAILQ_REMOVE(&head, np, entry, entries);
free(np);
}
/* TailQ Deletion. */
while (!STAILQ_EMPTY(&head)) {
n1 = STAILQ_FIRST(&head);
STAILQ_REMOVE_HEAD(&head, entries);
free(n1);
}
/* Faster TailQ Deletion. */
n1 = STAILQ_FIRST(&head);
while (n1 != NULL) {
n2 = STAILQ_NEXT(n1, entries);
free(n1);
n1 = n2;
}
STAILQ_INIT(&head);
.Ed
.Sh LISTS
A list is headed by a structure defined by the
.Nm LIST_HEAD
macro.
This structure contains a single pointer to the first element
on the list.
The elements are doubly linked so that an arbitrary element can be
removed without traversing the list.
New elements can be added to the list after an existing element,
before an existing element, or at the head of the list.
.A
.Fa LIST_HEAD
structure is declared as follows:
.Bd -literal -offset indent
LIST_HEAD(HEADNAME, TYPE) head;
.Ed
.Pp
where
.Fa HEADNAME
is the name of the structure to be defined, and
.Fa TYPE

is the type of the elements to be linked into the list. A pointer to the head of the list can later be declared as:

```c
struct HEADNAME *headp;
```

(The names `head` and `headp` are user selectable.)

The macro `LIST_HEAD_INITIALIZER` evaluates to an initializer for the list `head`.

The macro `LIST_EMPTY` evaluates to true if there are no elements in the list.

The macro `LIST_ENTRY` declares a structure that connects the elements in the list.

The macro `LIST_FIRST` returns the first element in the list or NULL if the list is empty.

The macro `LIST_FOREACH` traverses the list referenced by `head` in the forward direction, assigning each element in turn to `var`.

The macro `LIST_FOREACH_SAFE` traverses the list referenced by `head` in the forward direction, assigning each element in turn to `var`. However, unlike `LIST_FOREACH` here it is permitted to both remove `var`
as well as free it from within the loop safely without interfering with the
traversal.

The macro

initializes the list referenced by

The macro

inserts the new element

at the head of the list.

The macro

inserts the new element

after the element

The macro

inserts the new element

before the element

The macro

returns the next element in the list, or NULL if this is the last.

The macro

removes the element

from the list.

The macro

swaps the contents of

and

LIST_HEAD(listhead, entry) head =
LIST_HEAD_INITIALIZER(head);
struct listhead *headp;/* List head. */
struct entry {
...
LIST_ENTRY(entry) entries;/* List. */
...
} *n1, *n2, *n3, *np, *np_temp;

LIST_INIT(&head);/* Initialize the list. */

n1 = malloc(sizeof(struct entry));/* Insert at the head. */
LIST_INSERT_HEAD(&head, n1, entries);

n2 = malloc(sizeof(struct entry));/* Insert after. */
LIST_INSERT_AFTER(n1, n2, entries);

n3 = malloc(sizeof(struct entry));/* Insert before. */
LIST_INSERT_BEFORE(n2, n3, entries);

LIST_REMOVE(n2, entries);/* Deletion. */
free(n2);
/* Forward traversal. */
LIST_FOREACH(np, &head, entries)
np-> ...

/* Safe forward traversal. */
LIST_FOREACH_SAFE(np, &head, entries, np_temp) {
np->do_stuff();
...
LIST_REMOVE(np, entries);
free(np);
}

while (!LIST_EMPTY(&head)) {/* List Deletion. */
n1 = LIST_FIRST(&head);
LIST_REMOVE(n1, entries);
free(n1);
}

n1 = LIST_FIRST(&head);/* Faster List Deletion. */
while (n1 != NULL) {
  n2 = LIST_NEXT(n1, entries);
  free(n1);
  n1 = n2;
}
LIST_INIT(&head);
.Ed
.Sh TAIL QUEUES
A tail queue is headed by a structure defined by the
This structure contains a pair of pointers, one to the first element in the tail queue and the other to the last element in the tail queue. The elements are doubly linked so that an arbitrary element can be removed without traversing the tail queue. New elements can be added to the tail queue after an existing element, before an existing element, at the head of the tail queue, or at the end of the tail queue.

A TAILQ_HEAD structure is declared as follows:

```
TAILQ_HEAD(HEADNAME, TYPE) head;
```

where

- **HEADNAME** is the name of the structure to be defined, and
- **TYPE** is the type of the elements to be linked into the tail queue.

A pointer to the head of the tail queue can later be declared as:

```
struct HEADNAME *headp;
```

(The names head and headp are user selectable.)

The macro TAILQ_HEAD_INITIALIZER evaluates to an initializer for the tail queue.

```
TAILQ_HEAD_INITIALIZER
```

The macro TAILQ_CONCAT concatenates the tail queue headed by head2 onto the end of the one headed by head1 removing all entries from the former.

The macro TAILQ_EMPTY
evaluates to true if there are no items on the tail queue.

The macro

TAILQ_ENTRY
declares a structure that connects the elements in
the tail queue.

The macro

TAILQ_FIRST
returns the first item on the tail queue or NULL if the tail queue
is empty.

The macro

TAILQ_FOREACH
traverses the tail queue referenced by
head
in the forward direction, assigning each element in turn to
var.
var
is set to
NULL
if the loop completes normally, or if there were no elements.

The macro

TAILQ_FOREACH_REVERSE
traverses the tail queue referenced by
head
in the reverse direction, assigning each element in turn to
var.

The macros

TAILQ_FOREACH_SAFE
and
TAILQ_FOREACH_REVERSE_SAFE
traverse the list referenced by
head
in the forward or reverse direction respectively,
assigning each element in turn to
var.
However, unlike their unsafe counterparts,
TAILQ_FOREACH
and
TAILQ_FOREACH_REVERSE
permit to both remove
var
as well as free it from within the loop safely without interfering with the
traversal.
The macro
   .Nm TAILQ_INIT
initializes the tail queue referenced by
   .Fa head.
   .Pp
The macro
   .Nm TAILQ_INSERT_HEAD
inserts the new element
   .Fa elm
at the head of the tail queue.
   .Pp
The macro
   .Nm TAILQ_INSERT_TAIL
inserts the new element
   .Fa elm
at the end of the tail queue.
   .Pp
The macro
   .Nm TAILQ_INSERT_AFTER
inserts the new element
   .Fa elm
after the element
   .Fa listelm.
   .Pp
The macro
   .Nm TAILQ_INSERT_BEFORE
inserts the new element
   .Fa elm
before the element
   .Fa listelm.
   .Pp
The macro
   .Nm TAILQ_LAST
returns the last item on the tail queue.
If the tail queue is empty the return value is
   .Dv NULL.
   .Pp
The macro
   .Nm TAILQ_NEXT
returns the next item on the tail queue, or NULL if this item is the last.
   .Pp
The macro
   .Nm TAILQ_PREV
returns the previous item on the tail queue, or NULL if this item
is the first.
   .Pp
The macro
   .Nm TAILQ_REMOVE
removes the element
from the tail queue.

The macro
swaps the contents of
and

The macro
swaps the contents of

```
TAILQ_QUEUE(head1)
```

```
TAILQ_QUEUE(head2)
```

### TAIL QUEUE EXAMPLE

```
TAILQ_HEAD(tailhead, entry) head =
TAILQ_HEAD_INITIALIZER(head);
struct tailhead *headp;/* Tail queue head. */
struct entry {
  ...
  TAILQ_ENTRY(entry) entries;/* Tail queue. */
  ...
} *n1, *n2, *n3, *np;
TAILQ_INIT(&head);/* Initialize the queue. */

n1 = malloc(sizeof(struct entry));/* Insert at the head. */
TAILQ_INSERT_HEAD(&head, n1, entries);

n1 = malloc(sizeof(struct entry));/* Insert at the tail. */
TAILQ_INSERT_TAIL(&head, n1, entries);

n2 = malloc(sizeof(struct entry));/* Insert after. */
TAILQ_INSERT_AFTER(&head, n1, n2, entries);

n3 = malloc(sizeof(struct entry));/* Insert before. */
TAILQ_INSERT_BEFORE(n2, n3, entries);

TAILQ_REMOVE(&head, n2, entries);/* Deletion. */
free(n2);
/* Forward traversal. */
TAILQ_FOREACH(np, &head, entries)
  np-> ...
/* Safe forward traversal. */
TAILQ_FOREACH_SAFE(np, &head, entries, np_temp) {
  np->do_stuff();
  ...
TAILQ_REMOVE(&head, np, entries);
free(np);
}
/* Reverse traversal. */
TAILQ_FOREACH_REVERSE(np, &head, tailhead, entries)
np-> ...
/* TailQ Deletion. */
while (!TAILQ_EMPTY(&head)) {
    n1 = TAILQ_FIRST(&head);
    TAILQ_REMOVE(&head, n1, entries);
    free(n1);
}
/* Faster TailQ Deletion. */
    n1 = TAILQ_FIRST(&head);
while (n1 != NULL) {
    n2 = TAILQ_NEXT(n1, entries);
    free(n1);
    n1 = n2;
}    
TAILQ_INIT(&head);
.Ed
.Sh SEE ALSO
.Xr tree 3
.Sh HISTORY
The
.Nm queue
functions first appeared in
.Bx 4.4 .
#!/usr/bin/perl -p
#
# This script is part of the Xen build system. It has a very
# permissive licence to avoid complicating the licence of the
# generated header file and to allow this seddery to be reused by
# other projects.
#
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# BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN
# ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN
BEGIN {
  die unless @ARGV;
  $namespace = pop @ARGV;
  $namespace =~ s/^--prefix=// or die;
  $ucnamespace = uc $namespace;

  print <<END or die $!;
  /*
   * DO NOT EDIT THIS FILE
   *
   * Generated automatically by bsd-sys-queue-h-seddery to
   * - introduce ${ucnamespace}_ and ${namespace}_ namespace prefixes
   * - turn "struct type" into "type" so that type arguments
   *   to the macros are type names not struct tags
   * - remove the reference to sys/cdefs.h, which is not needed
   *
   * The purpose of this seddery is to allow the resulting file to be
   * freely included by software which might also want to include other
   * list macros; to make it usable when struct tags are not being used
   * or not known; to make it more portable.
   */
END
}

s/\b(_SYS_QUEUE |
     SLIST | LIST | STAILQ | TAILQ | QUEUE
  )/${ucnamespace}_${1}/xg;

s/\b( TRACEBUF | TRASHIT |
     QMD_
  )/${ucnamespace}_${1}/xg;

s/\b( qm_
     )/${namespace}_${1}/xg;

s/\b struct \s+ type \b/type/xg;

s/^\#include.*sys/cdefs.*$/
           $& */.xg;

s/\b( NULL )/0/xg;
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-- Keir Fraser (on behalf of the Xen team)

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changelog.gz (commit 975d8fd) explains:

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1.634 zlib 1.2.8.dfsg-1ubuntu1 :1ubuntu1

1.635 zlib 1.2.3
1.635.1 Available under license :
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/* zlib.h -- interface of the 'zlib' general purpose compression library
   version 1.2.3, July 18th, 2005

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

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*/

1.636 zlib 1.2.7

1.636.1 Available under license :
interface of the 'zlib' general purpose compression library
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1.637 zookeeper 3.4.9

1.637.1 Available under license:

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