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src/test/resources/CSVFileParser/test.csv
src/test/resources/CSVFileParser/test_default.txt
src/test/resources/CSVFileParser/test_default_comment.txt
src/test/resources/CSVFileParser/test_rfc4180.txt
src/test/resources/CSVFileParser/test_rfc4180_trim.txt
src/test/resources/CSVFileParser/testCSV85.csv
src/test/resources/CSVFileParser/testCSV85_default.txt
src/test/resources/CSVFileParser/testCSV85_ignoreEmpty.txt
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# 1.11 argparse 1.3.0

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History
---

Before (and including) argparse 1.1, the argparse package was licensed under
Apache License v2.0.

After argparse 1.1, all project files from the argparse project were deleted
due to license compatibility issues between Apache License 2.0 and GNU GPL v2.

The project repository then had a clean start with some files taken from
Python 2.7.1, so definitely all files are under Python License now.
A. HISTORY OF THE SOFTWARE
==========

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

principal author, although it includes many contributions from others.

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

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

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.

| Release | Derived from | Year | Owner | GPL-compatible? (1) |
|---|---|---|---|---|
| 0.9.0 thru 1.2 | | 1991-1995 | CWI | yes |
| 1.3 thru 1.5.2 | 1.2 | 1995-1999 | CNRI | yes |
| 1.6 | 1.5.2 | 2000 | CNRI | no |
| 2.0 | 1.6 | 2000 | BeOpen.com | no |
| 1.6.1 | 1.6 | 2001 | CNRI | yes (2) |
| 2.1 | 2.0+1.6.1 | 2001 | PSF | no |
| 2.0.1 | 2.0+1.6.1 | 2001 | PSF | yes |
| 2.1.1 | 2.1+2.0.1 | 2001 | PSF | yes |
| 2.2 | 2.1.1 | 2001 | PSF | yes |
| 2.1.2 | 2.1.1 | 2002 | PSF | yes |
| 2.1.3 | 2.1.2 | 2002 | PSF | yes |
| 2.2.1 | 2.2 | 2002 | PSF | yes |
| 2.2.2 | 2.2.1 | 2002 | PSF | yes |
| 2.2.3 | 2.2.2 | 2003 | PSF | yes |
| 2.3 | 2.2.2 | 2002-2003 | PSF | yes |
| 2.3.1 | 2.3 | 2002-2003 | PSF | yes |
| 2.3.2 | 2.3.1 | 2002-2003 | PSF | yes |
| 2.3.3 | 2.3.2 | 2002-2003 | PSF | yes |
| 2.3.4 | 2.3.3 | 2004 | PSF | yes |
| 2.3.5 | 2.3.4 | 2005 | PSF | yes |
| 2.4 | 2.3 | 2004 | PSF | yes |
| 2.4.1 | 2.4 | 2005 | PSF | yes |
| 2.4.2 | 2.4.1 | 2005 | PSF | yes |
| 2.4.3 | 2.4.2 | 2006 | PSF | yes |

| | | | | |
|---|---|---|---|---|
| 2.4.4 | 2.4.3 | 2006 | PSF | yes |
| 2.5 | 2.4 | 2006 | PSF | yes |
| 2.5.1 | 2.5 | 2007 | PSF | yes |
| 2.5.2 | 2.5.1 | 2008 | PSF | yes |
| 2.5.3 | 2.5.2 | 2008 | PSF | yes |
| 2.6 | 2.5 | 2008 | PSF | yes |
| 2.6.1 | 2.6 | 2008 | PSF | yes |
| 2.6.2 | 2.6.1 | 2009 | PSF | yes |
| 2.6.3 | 2.6.2 | 2009 | PSF | yes |
| 2.6.4 | 2.6.3 | 2009 | PSF | yes |
| 2.6.5 | 2.6.4 | 2010 | PSF | yes |
| 2.7 | 2.6 | 2010 | PSF | yes |

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# 1.18 bind-utils 9.8.2 :0.17.rc1.el6_4.4

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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">
  <xsl:text>
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  </xsl:text>
</xsl:variable>

<xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param name="text">
<xsl:for-each select="/refentry/docinfo/copyright | /book/bookinfo/copyright">
  <xsl:text>Copyright (C) </xsl:text>
  <xsl:call-template name="copyright.years">
    <xsl:with-param name="years" select="year"/>
  </xsl:call-template>
  <xsl:text> </xsl:text>
  <xsl:value-of select="holder"/>
  <xsl:text>&#10;</xsl:text>
</xsl:for-each>
<xsl:value-of select="$isc.copyright.text"/>
    </xsl:with-param>
  </xsl:call-template>
</xsl:variable>

</xsl:stylesheet>

<!--
 - Local variables:
 - mode: sgml
 - End:
```

-->
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clarify this fact.

* 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
 3a0982da308228d796df35f98d787c5cff2bb5b6.

 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>

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

# 1.19 bootstrap 3.1.1 :3.1.1

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# 1.20 bootstrap-datetimepicker 3.1.2

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# 1.21 bootstrap-multiselect 0.9.10

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# 1.22 bootstrap-select 1.5.4

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# 1.26 bowser.js 0.7.2

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# 1.28 cassandra-driver-core 2.1.5

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# 1.41 commons-codec 1.6

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src/test/resources/CSVFileParser/test_rfc4180.txt
src/test/resources/CSVFileParser/test_rfc4180_trim.txt
src/test/resources/CSVFileParser/testCSV85.csv
src/test/resources/CSVFileParser/testCSV85_default.txt
src/test/resources/CSVFileParser/testCSV85_ignoreEmpty.txt
These files are used as test data and test result specifications.

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#
# Configuration subroutine to validate and canonicalize a configuration type.
```

# Supply the specified configuration type as an argument.
# If it is invalid, we print an error message on stderr and exit with code 1.
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# You can get the latest version of this script from:
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# 1.58 dmidecode 2.12

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<one line to give the program's name and a brief idea of what it does.>
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# 1.59 dnsmasq 2.48

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# 1.60 domReady.js 2.0.1

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# 1.64 ejml 0.24

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```
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*/

package org.ejml;

import org.ejml.data.DenseMatrix64F;

import java.util.Arrays;
import java.util.Comparator;


/**
* Various functions that are useful but don't have a clear location that they belong in.
*
* @author Peter Abeles
*/
public class UtilEjml {
```

```
/**
 * Version string used to indicate which version of EJML is being used.
 */
public static String VERSION = "0.24";

/**
 * Default tolerance.
 */
public static double TOLERANCE = 1e-8;

public static double EPS = Math.pow(2,-52);

public static boolean isUncountable( double val ) {
    return Double.isNaN(val) || Double.isInfinite(val);
}

public static void memset( double[] data , double val ) {
    for( int i = 0; i < data.length; i++ ) {
        data[i] = val;
    }
}

public static void memset( double[] data , double val , int length ) {
    for( int i = 0; i < length; i++ ) {
        data[i] = val;
    }
}

public static void memset( int[] data , int val , int length ) {
    for( int i = 0; i < length; i++ ) {
        data[i] = val;
    }
}

public static <T> void setnull( T[] array )  {
    for( int i = 0; i < array.length; i++ ) {
        array[i] = null;
    }
}

public static double max( double array[], int start , int length ) {
    double max = array[start];
    final int end = start+length;

    for( int i = start+1; i < end; i++ ) {
        double v = array[i];
        if( v > max ) {
```

```
            max = v;
        }
    }

    return max;
}

/**
 * Give a string of numbers it returns a DenseMatrix
 */
public static DenseMatrix64F parseMatrix( String s , int numColumns )
{
    String []vals = s.split("(\\s)+");

    // there is the possibility the first element could be empty
    int start = vals[0].isEmpty() ? 1 : 0;

    // covert it from string to doubles
    int numRows = (vals.length-start) / numColumns;

    DenseMatrix64F ret = new DenseMatrix64F(numRows,numColumns);

    int index = start;
    for( int i = 0; i < numRows; i++ ) {
        for( int j = 0; j < numColumns; j++ ) {
            ret.set(i,j, Double.parseDouble(vals[ index++ ]));
        }
    }

    return ret;
}

public static Integer[] sortByIndex( final double []data , int size ) {
    Integer[] idx = new Integer[size];
    for( int i = 0; i < size; i++ ) {
        idx[i] = i;
    }

    Arrays.sort(idx, new Comparator<Integer>() {
        @Override public int compare(final Integer o1, final Integer o2) {
            return Double.compare(data[o1], data[o2]);
        }
    });

    return idx;
}
}
```

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by
Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.
Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.
Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.
Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.
Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.

Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to
a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to
nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn't
made it into the released version of the collector, yet.)

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Accompany it with a written offer, valid for at least three
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cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
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@end enumerate

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

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent
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@end enumerate

@iftex
@heading END OF TERMS AND CONDITIONS
@end iftex
@ifnottex
@center END OF TERMS AND CONDITIONS
@end ifnottex

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

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

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

@smallexample
@var{one line to give the program's name and a brief idea of what it does.}

Copyright (C) @var{year}  @var{name of author}

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
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along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA  02110-1301, USA
@end smallexample

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:

@smallexample
Gnomovision version 69, Copyright (C) @var{year} @var{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.
@end smallexample

The hypothetical commands @samp{show w} and @samp{show c} should show
the appropriate parts of the General Public License.  Of course, the
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:

@example
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`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

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.
@c man end
GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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When you use GCC to compile a program, GCC may combine portions of certain GCC header files and runtime libraries with the compiled program. The purpose of this Exception is to allow compilation of non-GPL (including proprietary) programs to use, in this way, the header files and runtime libraries covered by this Exception.

0. Definitions.

A file is an "Independent Module" if it either requires the Runtime Library for execution after a Compilation Process, or makes use of an interface provided by the Runtime Library, but is not otherwise based on the Runtime Library.

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"Target Code" refers to output from any compiler for a real or virtual target processor architecture, in executable form or suitable for input to an assembler, loader, linker and/or execution phase. Notwithstanding that, Target Code does not include data in any format that is used as a compiler intermediate representation, or used

for producing a compiler intermediate representation.

The "Compilation Process" transforms code entirely represented in non-intermediate languages designed for human-written code, and/or in Java Virtual Machine byte code, into Target Code. Thus, for example, use of source code generators and preprocessors need not be considered part of the Compilation Process, since the Compilation Process can be understood as starting with the output of the generators or preprocessors.

A Compilation Process is "Eligible" if it is done using GCC, alone or with other GPL-compatible software, or if it is done without using any work based on GCC. For example, using non-GPL-compatible Software to optimize any GCC intermediate representations would not qualify as an Eligible Compilation Process.

1. Grant of Additional Permission.

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@cindex LGPL, Lesser General Public License
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as the successor of the GNU Library Public License, version 2, hence the
version number 2.1.]
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@appendixsubsec Preamble

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Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot

effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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

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

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

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

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

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

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

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

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

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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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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

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@item
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.

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

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the

copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

@enumerate a
@item
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.)

@item
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.

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

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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.

@item
Verify that the user has already received a copy of these materials or that you have already sent this user a copy.
@end enumerate

For an executable, the required form of the ``work that uses the Library'' must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major

components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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

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@item
Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.
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gdal/frmts/gtiff/tif_float.c
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gdal/frmts/pcraster/libcsf
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gdal/ogr/ogrsf_frmts/dxf/intronurbs.cpp
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# 1.83 greenlet 0.4.5 :1.e16

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# 1.84 Gson 2.2.4

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

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

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That's all there is to it!
HAPROXY's license - 2006/06/15

Historically, haproxy has been covered by GPL version 2. However, an issue appeared in GPL which will prevent external non-GPL code from being built using the headers provided with haproxy. My long-term goal is to build a core system able to load external modules to support specific application protocols.

Since some protocols are found in rare environments (finance, industry, ...), some of them might be accessible only after signing an NDA. Enforcing GPL on such modules would only prevent them from ever being implemented, while not providing anything useful to ordinary users.

For this reason, I *want* to be able to support binary only external modules when needed, with a GPL core and GPL modules for standard protocols, so that people fixing bugs don't keep them secretly to try to stay over competition.

The solution was then to apply the LGPL license to the exportable include files, while keeping the GPL for all the rest. This way, it still is mandatory to redistribute modified code under customer request, but at the same time, it is expressly permitted to write, compile, link and load non-GPL code using the LGPL header files and not to distribute them if it causes a legal problem.

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# 1.87 haproxy 1.5.3-1 :2014/07/25

## 1.87.1 Available under license :

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Historically, haproxy has been covered by GPL version 2. However, an issue
appeared in GPL which will prevent external non-GPL code from being built

using the headers provided with haproxy. My long-term goal is to build a core system able to load external modules to support specific application protocols.

Since some protocols are found in rare environments (finance, industry, ...), some of them might be accessible only after signing an NDA. Enforcing GPL on such modules would only prevent them from ever being implemented, while not providing anything useful to ordinary users.

For this reason, I *want* to be able to support binary only external modules when needed, with a GPL core and GPL modules for standard protocols, so that people fixing bugs don't keep them secretly to try to stay over competition.

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Since some protocols are found in rare environments (finance, industry, ...), some of them might be accessible only after signing an NDA. Enforcing GPL on such modules would only prevent them from ever being implemented, while not providing anything useful to ordinary users.

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# 1.89 hello.js 1.4.1

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scriptversion=2005-02-02.21

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# 1.125 Java Servlet API 3.1.0

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# 1.156 jetty-server 9.1.5.v20140505

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/**
* Utf8 Appendable abstract base class
*
* This abstract class wraps a standard {@link java.lang.Appendable} and provides methods to append UTF-8
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*
* This class is stateful and up to 4 calls to {@link #append(byte)} may be needed before state a character is
appended to the string buffer.
*
* The UTF-8 decoding is done by this class and no additional buffers or Readers are used. The UTF-8 code was
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# 1.169 jQuery.Dynatable 0.3.1

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# 1.181 Junit 4.10

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Version 3, 29 June 2007

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

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

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

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

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

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

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# 1.194 metrics-core 3.0.1

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# 1.208 netty-all 4.0.12.Final

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// ES3/ES5 implementation of the Krhonos Typed Array Specification
//  Ref: http://www.khronos.org/registry/typedarray/specs/latest/
//  Date: 2011-02-01
//
// Variations:
//  * Allows typed_array.get/set() as alias for subscripts (typed_array[])
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wcwidth.js: JavaScript Portng of Markus Kuhn's wcwidth() Implementation
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This package is a JavaScript porting of `wcwidth()` implementation
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// Original can be found at:
//  https://bitbucket.org/lindenlab/llsd
// Modifications by Joshua Bell inexorabletash@gmail.com
//  https://github.com/inexorabletash/polyfill

// ES3/ES5 implementation of the Krhonos Typed Array Specification
//  Ref: http://www.khronos.org/registry/typedarray/specs/latest/
//  Date: 2011-02-01
//
// Variations:
//  * Allows typed_array.get/set() as alias for subscripts (typed_array[])
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validate-npm-package-license
==========

Give me a string and I'll tell you if it's a valid npm package license string.

```javascript
var valid = require('validate-npm-package-license');
```

SPDX license identifiers are valid license strings:

```javascript

var assert = require('assert');
var validSPDXExpression = {
 validForNewPackages: true,
 validForOldPackages: true,
 spdx: true
};

assert.deepEqual(valid('MIT'), validSPDXExpression);
assert.deepEqual(valid('BSD-2-Clause'), validSPDXExpression);
assert.deepEqual(valid('Apache-2.0'), validSPDXExpression);
assert.deepEqual(valid('ISC'), validSPDXExpression);
```

The function will return a warning and suggestion for nearly-correct license identifiers:

```javascript
assert.deepEqual(
 valid('Apache 2.0'),
 {
   validForOldPackages: false,
   validForNewPackages: false,
   warnings: [
     'license should be ' +
     'a valid SPDX license expression (without "LicenseRef"), ' +
     '"UNLICENSED", or ' +
     '"SEE LICENSE IN <filename>"',
     'license is similar to the valid expression "Apache-2.0"'
   ]
 }
);
```

SPDX expressions are valid, too ...

```javascript
// Simple SPDX license expression for dual licensing
assert.deepEqual(
 valid('(GPL-3.0 OR BSD-2-Clause)'),
 validSPDXExpression
);
```

... except if they contain `LicenseRef`:

```javascript
var warningAboutLicenseRef = {
 validForOldPackages: false,
 validForNewPackages: false,
 spdx: true,
 warnings: [
   'license should be ' +
   'a valid SPDX license expression (without "LicenseRef"), ' +
   '"UNLICENSED", or ' +
   '"SEE LICENSE IN <filename>"',
 ]
};

assert.deepEqual(
 valid('LicenseRef-Made-Up'),
 warningAboutLicenseRef
);

assert.deepEqual(
 valid('(MIT OR LicenseRef-Made-Up)'),
 warningAboutLicenseRef
);
```

If you can't describe your licensing terms with standardized SPDX identifiers, put the terms in a file in the package and point users there:

```javascript
assert.deepEqual(
 valid('SEE LICENSE IN LICENSE.txt'),
 {
   validForNewPackages: true,
   validForOldPackages: true,
   inFile: 'LICENSE.txt'
 }
```

```
);

assert.deepEqual(
 valid('SEE LICENSE IN license.md'),
 {
   validForNewPackages: true,
   validForOldPackages: true,
   inFile: 'license.md'
 }
);
```

If there aren't any licensing terms, use `UNLICENSED`:

```javascript
var unlicensed = {
 validForNewPackages: true,
 validForOldPackages: true,
 unlicensed: true
};
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENCED'), unlicensed);
```

```javascript
var parse = require('spdx-expression-parse')
var assert = require('assert')

var firstAST = {
 left: { license: 'LGPL-2.1' },
 conjunction: 'or',
 right: {
   left: { license: 'BSD-3-Clause' },
   conjunction: 'and',
   right: { license: 'MIT' } } }

assert.deepEqual(
 parse('(LGPL-2.1 OR BSD-3-Clause AND MIT)'),
 firstAST)

var secondAST = {
 left: { license: 'MIT' },
 conjunction: 'and',
 right: {
   left: {
   license: 'LGPL-2.1',
   plus: true },
   conjunction: 'and',
   right: { license: 'BSD-3-Clause' } } }
```

```
assert.deepEqual(
 parse('(MIT AND (LGPL-2.1+ AND BSD-3-Clause))'),
 secondAST)

// We handle all the bare SPDX license and exception ids as well.
require('spdx-license-ids').forEach(function(id) {
 assert.deepEqual(
   parse(id),
   { license: id })
 require('spdx-exceptions').forEach(function(e) {
   assert.deepEqual(
     parse(id + ' WITH ' + e),
     { license: id, exception: e }) }) })
```

---

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# spdx-license-ids

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[**Download JSON**](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/spdx-license-ids.json)

## Use as a JavaScript Library

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[![Bower version](https://img.shields.io/bower/v/spdx-license-ids.svg)](https://github.com/shinnn/spdx-license-ids/releases)
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[![devDependency Status](https://david-dm.org/shinnn/spdx-license-ids/dev-status.svg)](https://david-dm.org/shinnn/spdx-license-ids#info=devDependencies)

### Installation

#### Package managers

##### [npm](https://www.npmjs.com/)

```sh
```

npm install spdx-license-ids
```

##### [bower](http://bower.io/)

```sh
bower install spdx-license-ids
```

##### [Duo](http://duojs.org/)

```javascript
const spdxLicenseIds = require('shinnn/spdx-license-ids');
```

#### Standalone

[Download the script file directly.](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/spdx-license-ids-browser.js)

### API

#### spdxLicenseIds

Type: `Array` of `String`

It returns an array of SPDX license identifiers.

```javascript
const spdxLicenseIds = require('spdx-license-ids'); //=> ['Glide', 'Abstyles', 'AFL-1.1', ... ]
```

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```javascript
var correct = require('spdx-correct');
var assert = require('assert');

assert.equal(correct('mit'), 'MIT')

assert.equal(correct('Apache 2'), 'Apache-2.0')

assert(correct('No idea what license') === null)
```
SPDX:Apache-2.0

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Version 2.0, January 2004

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Written by: Philip Hazel
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Jean-loup Gailly Mark Adler
jloup@gzip.org madler@alumni.caltech.edu
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```
#ifndef UV_BSD_H
#define UV_BSD_H

#define UV_PLATFORM_FS_EVENT_FIELDS                                   \
 uv__io_t event_watcher;                                              \

#define UV_IO_PRIVATE_PLATFORM_FIELDS                                 \
 int rcount;                                                          \
 int wcount;                                                          \

#define UV_HAVE_KQUEUE 1

#endif /* UV_BSD_H */
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 "_args": [
   [
     "spdx-license-ids@^1.0.0",
     "/Users/rebecca/code/npm/node_modules/validate-npm-package-license/node_modules/spdx-expression-parse"
```

```
    ],
    [
      "spdx-license-ids@^1.0.2",
      "/Users/rebecca/code/npm/node_modules/validate-npm-package-license/node_modules/spdx-correct"
    ]
  ],
  "_from": "spdx-license-ids@>=1.0.0 <2.0.0",
  "_id": "spdx-license-ids@1.2.0",
  "_inCache": true,
  "_installable": true,
  "_location": "/validate-npm-package-license/spdx-expression-parse/spdx-license-ids",
  "_nodeVersion": "5.4.0",
  "_npmUser": {
    "email": "snnskwtnb@gmail.com",
    "name": "shinnn"
  },
  "_npmVersion": "3.5.2",
  "_phantomChildren": {},
  "_requested": {
    "name": "spdx-license-ids",
    "raw": "spdx-license-ids@^1.0.0",
    "rawSpec": "^1.0.0",
    "scope": null,
    "spec": ">=1.0.0 <2.0.0",
    "type": "range"
  },
  "_requiredBy": [
    "/validate-npm-package-license/spdx-expression-parse"
  ],
  "_shrinkwrap": null,
  "_spec": "spdx-license-ids@^1.0.0",
  "_where": "/Users/rebecca/code/npm/node_modules/validate-npm-package-license/node_modules/spdx-expression-
parse",
  "author": {
    "name": "Shinnosuke Watanabe",
    "url": "https://github.com/shinnn"
  },
  "bugs": {
    "url": "https://github.com/shinnn/spdx-license-ids/issues"
  },
  "dependencies": {},
  "description": "A list of SPDX license identifiers",
  "devDependencies": {
    "@shinnn/eslintrc": "^1.0.0",
    "each-async": "^1.1.1",
    "eslint": "^0.24.0",
    "got": "^3.3.0",
    "istanbul": "^0.3.17",
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"require-bower-files": "^2.0.0",
"rimraf": "^2.4.1",
"stringify-object": "^2.2.0",
"tape": "^4.0.0"
},
"directories": {},
"dist": {
"shasum": "b549dd0f63dcb745a17e2ea3a07402e0e332d1e2",
"tarball": "http://registry.npmjs.org/spdx-license-ids/-/spdx-license-ids-1.2.0.tgz"
},
"files": [
"spdx-license-ids.json"
],
"gitHead": "f74a7a16ca05540e0e97f1bbb61da07829b5d9ab",
"homepage": "https://github.com/shinnn/spdx-license-ids#readme",
"keywords": [
"array",
"browser",
"client-side",
"id",
"identifier",
"identifiers",
"json",
"license",
"licenses",
"oss",
"spdx"
],
"license": "Unlicense",
"main": "spdx-license-ids.json",
"maintainers": [
{
"name": "shinnn",
"email": "snnskwtnb@gmail.com"
}
],
"name": "spdx-license-ids",
"optionalDependencies": {},
"readme": "ERROR: No README data found!",
"repository": {
"type": "git",
"url": "git+https://github.com/shinnn/spdx-license-ids.git"
},
"scripts": {
"build": "node --harmony_arrow_functions build.js",
"coverage": "node --harmony_arrow_functions node_modules/.bin/istanbul cover test.js",
"coveralls": "${npm_package_scripts_coverage} && istanbul-coveralls",
"lint": "eslint --config node_modules/@shinnn/eslintrc/rc.json --ignore-path .gitignore .",

"pretest": "${npm_package_scripts_build} && ${npm_package_scripts_lint}",
"test": "node --harmony_arrow_functions test.js"
},
"version": "1.2.0"
}
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"Glide",
"Abstyles",
"AFL-1.1",
"AFL-1.2",
"AFL-2.0",
"AFL-2.1",
"AFL-3.0",
"AMPAS",
"APL-1.0",
"Adobe-Glyph",
"APAFML",
"Adobe-2006",
"AGPL-1.0",
"Afmparse",
"Aladdin",
"ADSL",
"AMDPLPA",
"ANTLR-PD",
"Apache-1.0",
"Apache-1.1",
"Apache-2.0",
"AML",
"APSL-1.0",
"APSL-1.1",
"APSL-1.2",
"APSL-2.0",
"Artistic-1.0",
"Artistic-1.0-Perl",
"Artistic-1.0-cl8",
"Artistic-2.0",
"AAL",
"Bahyph",
"Barr",
"Beerware",
"BitTorrent-1.0",
"BitTorrent-1.1",
"BSL-1.0",
"Borceux",
"BSD-2-Clause",
"BSD-2-Clause-FreeBSD",
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"BSD-3-Clause-Clear",
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"BSD-Protection",
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"0BSD",
"BSD-4-Clause-UC",
"bzip2-1.0.5",
"bzip2-1.0.6",
"Caldera",
"CECILL-1.0",
"CECILL-1.1",
"CECILL-2.0",
"CECILL-2.1",
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"MIT-CMU",
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"email": "kyle@kemitchell.com"
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}
var parser = require('./parser.generated.js').parser

module.exports = function(argument) {
return parser.parse(argument) }
var spdxparse=function(){var o=function(k,v,o,l){for(o=o||{},l=k.length;l--;o[k[l]]=v);return o},$V0=[1,5],$V1=[1,6],$V2=[1,7],$V3=[1,4],$V4=[1,9],$V5=[1,10],$V6=[5,14,15,17],$V7=[5,12,14,15,17];var

```
parser={trace:function
trace(){},yy:{},symbols_:{error:2,start:3,expression:4,EOS:5,simpleExpression:6,LICENSE:7,PLUS:8,LICENSER
EF:9,DOCUMENTREF:10,COLON:11,WITH:12,EXCEPTION:13,AND:14,OR:15,OPEN:16,CLOSE:17,$accept:0
,$end:1},terminals_:{2:"error",5:"EOS",7:"LICENSE",8:"PLUS",9:"LICENSEREF",10:"DOCUMENTREF",11:"C
OLON",12:"WITH",13:"EXCEPTION",14:"AND",15:"OR",16:"OPEN",17:"CLOSE"},productions_:[0,[3,2],[6,1],[
6,2],[6,1],[6,3],[4,1],[4,3],[4,3],[4,3],[4,3]],performAction:function
anonymous(yytext,yyleng,yylineno,yy,yystate,$$,_$){var $0=$$.length-1;switch(yystate){case 1:return
this.$=$$[$0-1];break;case 2:case 4:case 5:this.$={license:yytext};break;case 3:this.$={license:$$[$0-
1],plus:true};break;case 6:this.$=$$[$0];break;case 7:this.$={exception:$$[$0]};this.$.license=$$[$0-
2].license;if($$[$0-2].hasOwnProperty("plus")){this.$.plus=$$[$0-2].plus}break;case
8:this.$={conjunction:"and",left:$$[$0-2],right:$$[$0]};break;case 9:this.$={conjunction:"or",left:$$[$0-
2],right:$$[$0]};break;case 10:this.$=$$[$0-
1];break}},table:[{3:1,4:2,6:3,7:$V0,9:$V1,10:$V2,16:$V3},{1:[3]},{5:[1,8],14:$V4,15:$V5},o($V6,[2,6],{12:[1,1
1]}),{4:12,6:3,7:$V0,9:$V1,10:$V2,16:$V3},o($V7,[2,2],{8:[1,13]}),o($V7,[2,4]),{11:[1,14]},{1:[2,1]},{4:15,6:3,7
:$V0,9:$V1,10:$V2,16:$V3},{4:16,6:3,7:$V0,9:$V1,10:$V2,16:$V3},{13:[1,17]},{14:$V4,15:$V5,17:[1,18]},o($
V7,[2,3]),{9:[1,19]},o($V6,[2,8]),o([5,15,17],[2,9],{14:$V4}),o($V6,[2,7]),o($V6,[2,10]),o($V7,[2,5])],defaultActi
ons:{8:[2,1]},parseError:function parseError(str,hash){if(hash.recoverable){this.trace(str)}else{throw new
Error(str)}},parse:function parse(input){var
self=this,stack=[0],tstack=[],vstack=[null],lstack=[],table=this.table,yytext="",yylineno=0,yyleng=0,recovering=0,T
ERROR=2,EOF=1;var args=lstack.slice.call(arguments,1);var lexer=Object.create(this.lexer);var
sharedState={yy:{}};for(var k in
this.yy){if(Object.prototype.hasOwnProperty.call(this.yy,k)){sharedState.yy[k]=this.yy[k]}}lexer.setInput(input,sha
redState.yy);sharedState.yy.lexer=lexer;sharedState.yy.parser=this;if(typeof
lexer.yylloc=="undefined"){lexer.yylloc={}}var yyloc=lexer.yylloc;lstack.push(yyloc);var
ranges=lexer.options&&lexer.options.ranges;if(typeof
sharedState.yy.parseError=="function"){this.parseError=sharedState.yy.parseError}else{this.parseError=Object.ge
tPrototypeOf(this).parseError}function popStack(n){stack.length=stack.length-2*n;vstack.length=vstack.length-
n;lstack.length=lstack.length-n}_token_stack:function lex(){var token;token=lexer.lex()||EOF;if(typeof
token!=="number"){token=self.symbols_[token]||token}return token}var
symbol,preErrorSymbol,state,action,a,r,yyval={},p,len,newState,expected;while(true){state=stack[stack.length-
1];if(this.defaultActions[state]){action=this.defaultActions[state]}else{if(symbol===null||typeof
symbol=="undefined"){symbol=lex()}action=table[state]&&table[state][symbol]}if(typeof
action=="undefined"||!action.length||!action[0]){var errStr="";expected=[];for(p in
table[state]){if(this.terminals_[p]&&p>TERROR){expected.push("'"+this.terminals_[p]+"'")}}if(lexer.showPosition
){errStr="Parse error on line "+(yylineno+1)+":\n"+lexer.showPosition()+"\nExpecting "+expected.join(", ")+", got
'"+(this.terminals_[symbol]||symbol)+"'"}else{errStr="Parse error on line "+(yylineno+1)+": Unexpected
"+(symbol==EOF?"end of
input":"'"+(this.terminals_[symbol]||symbol)+"'")}this.parseError(errStr,{text:lexer.match,token:this.terminals_[sym
bol]||symbol,line:lexer.yylineno,loc:yyloc,expected:expected})}if(action[0]instanceof
Array&&action.length>1){throw new Error("Parse Error: multiple actions possible at state: "+state+", token:
"+symbol)}switch(action[0]){case
1:stack.push(symbol);vstack.push(lexer.yytext);lstack.push(lexer.yylloc);stack.push(action[1]);symbol=null;if(!preE
rrorSymbol){yyleng=lexer.yyleng;yytext=lexer.yytext;yylineno=lexer.yylineno;yyloc=lexer.yylloc;if(recovering>0)
{recovering--}}else{symbol=preErrorSymbol;preErrorSymbol=null}break;case
2:len=this.productions_[action[1]][1];yyval.$=vstack[vstack.length-len];yyval._$={first_line:lstack[lstack.length-
(len||1)].first_line,last_line:lstack[lstack.length-1].last_line,first_column:lstack[lstack.length-
(len||1)].first_column,last_column:lstack[lstack.length-
1].last_column};if(ranges){yyval._$.range=[lstack[lstack.length-(len||1)].range[0],lstack[lstack.length-
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1].range[1]]}r=this.performAction.apply(yyval,[yytext,yyleng,yylineno,sharedState.yy,action[1],vstack,lstack].conc
at(args));if(typeof r!=="undefined"){return r}if(len){stack=stack.slice(0,-1*len*2);vstack=vstack.slice(0,-
1*len);lstack=lstack.slice(0,-
1*len)}stack.push(this.productions_[action[1]][0]);vstack.push(yyval.$);lstack.push(yyval._$);newState=table[stack
[stack.length-2]][stack[stack.length-1]];stack.push(newState);break;case 3:return true}}return true}};var
lexer=function(){var lexer={EOF:1,parseError:function
parseError(str,hash){if(this.yy.parser){this.yy.parser.parseError(str,hash)}else{throw new
Error(str)}},setInput:function(input,yy){this.yy=yy||this.yy||{};this._input=input;this._more=this._backtrack=this.do
ne=false;this.yylineno=this.yyleng=0;this.yytext=this.matched=this.match="";this.conditionStack=["INITIAL"];this.
yylloc={first_line:1,first_column:0,last_line:1,last_column:0};if(this.options.ranges){this.yylloc.range=[0,0]}this.of
fset=0;return this},input:function(){var
ch=this._input[0];this.yytext+=ch;this.yyleng++;this.offset++;this.match+=ch;this.matched+=ch;var
lines=ch.match(/(?:\r\n?|\n).*/g);if(lines){this.yylineno++;this.yylloc.last_line++}else{this.yylloc.last_column++}if(
this.options.ranges){this.yylloc.range[1]++}this._input=this._input.slice(1);return ch},unput:function(ch){var
len=ch.length;var
lines=ch.split(/(?:\r\n?|\n)/g);this._input=ch+this._input;this.yytext=this.yytext.substr(0,this.yytext.length-
len);this.offset-=len;var oldLines=this.match.split(/(?:\r\n?|\n)/g);this.match=this.match.substr(0,this.match.length-
1);this.matched=this.matched.substr(0,this.matched.length-1);if(lines.length-1){this.yylineno-=lines.length-1}var
r=this.yylloc.range;this.yylloc={first_line:this.yylloc.first_line,last_line:this.yylineno+1,first_column:this.yylloc.firs
t_column,last_column:lines?(lines.length===oldLines.length?this.yylloc.first_column:0)+oldLines[oldLines.length-
lines.length].length-lines[0].length:this.yylloc.first_column-
len};if(this.options.ranges){this.yylloc.range=[r[0],r[0]+this.yyleng-len]}this.yyleng=this.yytext.length;return
this},more:function(){this._more=true;return
this},reject:function(){if(this.options.backtrack_lexer){this._backtrack=true}else{return this.parseError("Lexical
error on line "+(this.yylineno+1)+". You can only invoke reject() in the lexer when the lexer is of the backtracking
persuasion (options.backtrack_lexer = true).\n"+this.showPosition(),{text:"",token:null,line:this.yylineno})}return
this},less:function(n){this.unput(this.match.slice(n))},pastInput:function(){var
past=this.matched.substr(0,this.matched.length-this.match.length);return(past.length>20?"...":"")+past.substr(-
20).replace(/\n/g,"")},upcomingInput:function(){var
next=this.match;if(next.length<20){next+=this._input.substr(0,20-
next.length)}return(next.substr(0,20)+(next.length>20?"...":"")).replace(/\n/g,"")},showPosition:function(){var
pre=this.pastInput();var c=new Array(pre.length+1).join("-");return
pre+this.upcomingInput()+"\n"+c+"^"},test_match:function(match,indexed_rule){var
token,lines,backup;if(this.options.backtrack_lexer){backup={yylineno:this.yylineno,yylloc:{first_line:this.yylloc.fir
st_line,last_line:this.last_line,first_column:this.yylloc.first_column,last_column:this.yylloc.last_column},yytext:this
.yytext,match:this.match,matches:this.matches,matched:this.matched,yyleng:this.yyleng,offset:this.offset,_more:this
._more,_input:this._input,yy:this.yy,conditionStack:this.conditionStack.slice(0),done:this.done};if(this.options.range
s){backup.yylloc.range=this.yylloc.range.slice(0)}}lines=match[0].match(/(?:\r\n?|\n).*/g);if(lines){this.yylineno+=l
ines.length}this.yylloc={first_line:this.yylloc.last_line,last_line:this.yylineno+1,first_column:this.yylloc.last_colum
n,last_column:lines?lines[lines.length-1].length-lines[lines.length-
1].match(/\r?\n?/)[0].length:this.yylloc.last_column+match[0].length};this.yytext+=match[0];this.match+=match[0];
this.matches=match;this.yyleng=this.yytext.length;if(this.options.ranges){this.yylloc.range=[this.offset,this.offset+=
this.yyleng]}this._more=false;this._backtrack=false;this._input=this._input.slice(match[0].length);this.matched+=m
atch[0];token=this.performAction.call(this,this.yy,this,indexed_rule,this.conditionStack[this.conditionStack.length-
1]);if(this.done&&this._input){this.done=false}if(token){return token}else if(this._backtrack){for(var k in
backup){this[k]=backup[k]}return false}return false},next:function(){if(this.done){return
this.EOF}if(!this._input){this.done=true}var
token,match,tempMatch,index;if(!this._more){this.yytext="";this.match=""}var rules=this._currentRules();for(var
```

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i=0;i<rules.length;i++){tempMatch=this._input.match(this.rules[rules[i]]);if(tempMatch&&(!match||tempMatch[0].l
ength>match[0].length)){match=tempMatch;index=i;if(this.options.backtrack_lexer){token=this.test_match(tempM
atch,rules[i]);if(token!==false){return token}else if(this._backtrack){match=false;continue}else{return false}}else
if(!this.options.flex){break}}}if(match){token=this.test_match(match,rules[index]);if(token!==false){return
token}return false}if(this._input===""){return this.EOF}else{return this.parseError("Lexical error on line
"+(this.yylineno+1)+". Unrecognized
text.\n"+this.showPosition(),{text:"",token:null,line:this.yylineno})}},lex:function lex(){var
r=this.next();if(r){return r}else{return this.lex()}},begin:function
begin(condition){this.conditionStack.push(condition)},popState:function popState(){var
n=this.conditionStack.length-1;if(n>0){return this.conditionStack.pop()}else{return
this.conditionStack[0]}},_currentRules:function
_currentRules(){if(this.conditionStack.length&&this.conditionStack[this.conditionStack.length-1]){return
this.conditions[this.conditionStack[this.conditionStack.length-1]].rules}else{return
this.conditions["INITIAL"].rules}},topState:function topState(n){n=this.conditionStack.length-1-
Math.abs(n||0);if(n>=0){return this.conditionStack[n]}else{return"INITIAL"}},pushState:function
pushState(condition){this.begin(condition)},stateStackSize:function stateStackSize(){return
this.conditionStack.length},options:{},performAction:function
anonymous(yy,yy_,$avoiding_name_collisions,YY_START){var
YYSTATE=YY_START;switch($avoiding_name_collisions){case 0:return 5;break;case 1:break;case 2:return
8;break;case 3:return 16;break;case 4:return 17;break;case 5:return 11;break;case 6:return 10;break;case 7:return
9;break;case 8:return 14;break;case 9:return 15;break;case 10:return 12;break;case 11:return 7;break;case 12:return
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136:return 7;break;case 137:return 7;break;case 138:return 7;break;case 139:return 7;break;case 140:return
```

7;break;case 141:return 7;break;case 142:return 7;break;case 143:return 7;break;case 144:return 7;break;case 145:return 7;break;case 146:return 7;break;case 147:return 7;break;case 148:return 7;break;case 149:return 7;break;case 150:return 7;break;case 151:return 7;break;case 152:return 7;break;case 153:return 7;break;case 154:return 7;break;case 155:return 7;break;case 156:return 7;break;case 157:return 7;break;case 158:return 7;break;case 159:return 7;break;case 160:return 7;break;case 161:return 7;break;case 162:return 7;break;case 163:return 7;break;case 164:return 7;break;case 165:return 7;break;case 166:return 7;break;case 167:return 7;break;case 168:return 7;break;case 169:return 7;break;case 170:return 7;break;case 171:return 7;break;case 172:return 7;break;case 173:return 7;break;case 174:return 7;break;case 175:return 7;break;case 176:return 7;break;case 177:return 7;break;case 178:return 7;break;case 179:return 7;break;case 180:return 7;break;case 181:return 7;break;case 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265:return 7;break;case 266:return 7;break;case 267:return 7;break;case 268:return 7;break;case 269:return 7;break;case 270:return 7;break;case 271:return 7;break;case 272:return 7;break;case 273:return 7;break;case 274:return 7;break;case 275:return 7;break;case 276:return 7;break;case 277:return 7;break;case 278:return 7;break;case 279:return 7;break;case 280:return 7;break;case 281:return 7;break;case 282:return 7;break;case 283:return 7;break;case 284:return 7;break;case 285:return 7;break;case 286:return 7;break;case 287:return 7;break;case 288:return 7;break;case 289:return 7;break;case 290:return 7;break;case 291:return 7;break;case 292:return 7;break;case 293:return 7;break;case 294:return 7;break;case 295:return 7;break;case 296:return 7;break;case 297:return 7;break;case 298:return 7;break;case 299:return 7;break;case 300:return 7;break;case 301:return 7;break;case 302:return 7;break;case 303:return 7;break;case 304:return 7;break;case 305:return 7;break;case 306:return 7;break;case 307:return 7;break;case 308:return 7;break;case 309:return 7;break;case 310:return 7;break;case 311:return 7;break;case 312:return 7;break;case 313:return 7;break;case 314:return 7;break;case 315:return 7;break;case 316:return 7;break;case 317:return 7;break;case 318:return 7;break;case 319:return 7;break;case 320:return 7;break;case 321:return 7;break;case 322:return 7;break;case 323:return 7;break;case 324:return 7;break;case 325:return 7;break;case 326:return 7;break;case 327:return 7;break;case 328:return 7;break;case 329:return 7;break;case 330:return 7;break;case 331:return 7;break;case 332:return 7;break;case 333:return 7;break;case 334:return 7;break;case 335:return 7;break;case 336:return 7;break;case 337:return 7;break;case 338:return 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"prepublish": "node generate-parser.js | uglifyjs > parser.generated.js",
"pretest": "npm run prepublish",
"test": "defence -i javascript README.md | replace-require-self | node"
},
"version": "1.0.2"
}
{
"_args": [
[
"spdx-license-ids@^1.0.2",
"/Users/rebecca/code/npm/node_modules/validate-npm-package-license/node_modules/spdx-correct"
]
],
"_from": "spdx-license-ids@>=1.0.2 <2.0.0",
"_id": "spdx-license-ids@1.2.0",
"_inCache": true,
"_installable": true,
"_location": "/validate-npm-package-license/spdx-correct/spdx-license-ids",
"_nodeVersion": "5.4.0",
"_npmUser": {
"email": "snnskwtnb@gmail.com",
"name": "shinnn"
},
"_npmVersion": "3.5.2",
"_phantomChildren": {},
"_requested": {
"name": "spdx-license-ids",
"raw": "spdx-license-ids@^1.0.2",
"rawSpec": "^1.0.2",
"scope": null,
"spec": ">=1.0.2 <2.0.0",

"type": "range"
},
"_requiredBy": [
"/validate-npm-package-license/spdx-correct"
],
"_resolved": "https://registry.npmjs.org/spdx-license-ids/-/spdx-license-ids-1.2.0.tgz",
"_shasum": "b549dd0f63dcb745a17e2ea3a07402e0e332d1e2",
"_shrinkwrap": null,
"_spec": "spdx-license-ids@^1.0.2",
"_where": "/Users/rebecca/code/npm/node_modules/validate-npm-package-license/node_modules/spdx-correct",
"author": {
"name": "Shinnosuke Watanabe",
"url": "https://github.com/shinnn"
},
"bugs": {
"url": "https://github.com/shinnn/spdx-license-ids/issues"
},
"dependencies": {},
"description": "A list of SPDX license identifiers",
"devDependencies": {
"@shinnn/eslintrc": "^1.0.0",
"each-async": "^1.1.1",
"eslint": "^0.24.0",
"got": "^3.3.0",
"istanbul": "^0.3.17",
"require-bower-files": "^2.0.0",
"rimraf": "^2.4.1",
"stringify-object": "^2.2.0",
"tape": "^4.0.0"
},
"directories": {},
"dist": {
"shasum": "b549dd0f63dcb745a17e2ea3a07402e0e332d1e2",
"tarball": "http://registry.npmjs.org/spdx-license-ids/-/spdx-license-ids-1.2.0.tgz"
},
"files": [
"spdx-license-ids.json"
],
"gitHead": "f74a7a16ca05540e0e97f1bbb61da07829b5d9ab",
"homepage": "https://github.com/shinnn/spdx-license-ids#readme",
"keywords": [
"array",
"browser",
"client-side",
"id",
"identifier",
"identifiers",
"json",

```
  "license",
  "licenses",
  "oss",
  "spdx"
 ],
 "license": "Unlicense",
 "main": "spdx-license-ids.json",
 "maintainers": [
  {
    "name": "shinnn",
    "email": "snnskwtnb@gmail.com"
  }
 ],
 "name": "spdx-license-ids",
 "optionalDependencies": {},
 "readme": "ERROR: No README data found!",
 "repository": {
  "type": "git",
  "url": "git+https://github.com/shinnn/spdx-license-ids.git"
 },
 "scripts": {
  "build": "node --harmony_arrow_functions build.js",
  "coverage": "node --harmony_arrow_functions node_modules/.bin/istanbul cover test.js",
  "coveralls": "${npm_package_scripts_coverage} && istanbul-coveralls",
  "lint": "eslint --config node_modules/@shinnn/eslintrc/rc.json --ignore-path .gitignore .",
  "pretest": "${npm_package_scripts_build} && ${npm_package_scripts_lint}",
  "test": "node --harmony_arrow_functions test.js"
 },
 "version": "1.2.0"
}
var licenseIDs = require('spdx-license-ids');

function valid(string) {
 return licenseIDs.indexOf(string) > -1;
}

// Common transpositions of license identifier acronyms
var transpositions = [
 ['APGL', 'AGPL'],
 ['Gpl', 'GPL'],
 ['GLP', 'GPL'],
 ['APL', 'Apache'],
 ['ISD', 'ISC'],
 ['GLP', 'GPL'],
 ['IST', 'ISC'],
 ['Claude', 'Clause'],
 [' or later', '+'],
 [' International', ''],
```

```
 ['GNU', 'GPL'],
 ['GUN', 'GPL'],
 ['+', ''],
 ['GNU GPL', 'GPL'],
 ['GNU/GPL', 'GPL'],
 ['GNU GLP', 'GPL'],
 ['GNU General Public License', 'GPL'],
 ['Gnu public license', 'GPL'],
 ['GNU Public License', 'GPL'],
 ['GNU GENERAL PUBLIC LICENSE', 'GPL'],
 ['MTI', 'MIT'],
 ['Mozilla Public License', 'MPL'],
 ['WTH', 'WTF'],
 ['-License', '']
];

var TRANSPOSED = 0;
var CORRECT = 1;

// Simple corrections to nearly valid identifiers.
var transforms = [
 // e.g. 'mit'
 function(argument) {
   return argument.toUpperCase();
 },
 // e.g. 'MIT '
 function(argument) {
   return argument.trim();
 },
 // e.g. 'M.I.T.'
 function(argument) {
   return argument.replace(/\./g, '');
 },
 // e.g. 'Apache- 2.0'
 function(argument) {
   return argument.replace(/\s+/g, '');
 },
 // e.g. 'CC BY 4.0''
 function(argument) {
   return argument.replace(/\s+/g, '-');
 },
 // e.g. 'LGPLv2.1'
 function(argument) {
   return argument.replace('v', '-');
 },
 // e.g. 'Apache 2.0'
 function(argument) {
   return argument.replace(/,?\s*(\d)/, '-$1');
```

```
},
// e.g. 'GPL 2'
function(argument) {
  return argument.replace(/,?\s*(\d)/, '-$1.0');
},
// e.g. 'Apache Version 2.0'
function(argument) {
  return argument.replace(/,?\s*(V\.|v\.|V|v|Version|version)\s*(\d)/, '-$2');
},
// e.g. 'Apache Version 2'
function(argument) {
  return argument.replace(/,?\s*(V\.|v\.|V|v|Version|version)\s*(\d)/, '-$2.0');
},
// e.g. 'ZLIB'
function(argument) {
  return argument[0].toUpperCase() + argument.slice(1);
},
// e.g. 'MPL/2.0'
function(argument) {
  return argument.replace('/', '-');
},
// e.g. 'Apache 2'
function(argument) {
  return argument
    .replace(/\s*V\s*(\d)/, '-$1')
    .replace(/(\d)$/, '$1.0');
},
// e.g. 'GPL-2.0-'
function(argument) {
  return argument.slice(0, argument.length - 1);
},
// e.g. 'GPL2'
function(argument) {
  return argument.replace(/(\d)$/, '-$1.0');
},
// e.g. 'BSD 3'
function(argument) {
  return argument.replace(/(-| )?(\d)$/, '-$2-Clause');
},
// e.g. 'BSD clause 3'
function(argument) {
  return argument.replace(/(-| )clause(-| )(\d)/, '-$3-Clause');
},
// e.g. 'BY-NC-4.0'
function(argument) {
  return 'CC-' + argument;
},
// e.g. 'BY-NC'
```

```
 function(argument) {
   return 'CC-' + argument + '-4.0';
 },
 // e.g. 'Attribution-NonCommercial'
 function(argument) {
   return argument
     .replace('Attribution', 'BY')
     .replace('NonCommercial', 'NC')
     .replace('NoDerivatives', 'ND')
     .replace(/ (\d)/, '-$1')
     .replace(/ ?International/, '');
 },
 // e.g. 'Attribution-NonCommercial'
 function(argument) {
   return 'CC-' +
     argument
     .replace('Attribution', 'BY')
     .replace('NonCommercial', 'NC')
     .replace('NoDerivatives', 'ND')
     .replace(/ (\d)/, '-$1')
     .replace(/ ?International/, '') +
     '-4.0';
 }
];

// If all else fails, guess that strings containing certain substrings
// meant to identify certain licenses.
var lastResorts = [
 ['UNLI', 'Unlicense'],
 ['WTF', 'WTFPL'],
 ['2 CLAUSE', 'BSD-2-Clause'],
 ['2-CLAUSE', 'BSD-2-Clause'],
 ['3 CLAUSE', 'BSD-3-Clause'],
 ['3-CLAUSE', 'BSD-3-Clause'],
 ['AFFERO', 'AGPL-3.0'],
 ['AGPL', 'AGPL-3.0'],
 ['APACHE', 'Apache-2.0'],
 ['ARTISTIC', 'Artistic-2.0'],
 ['Affero', 'AGPL-3.0'],
 ['BEER', 'Beerware'],
 ['BOOST', 'BSL-1.0'],
 ['BSD', 'BSD-2-Clause'],
 ['ECLIPSE', 'EPL-1.0'],
 ['FUCK', 'WTFPL'],
 ['GNU', 'GPL-3.0'],
 ['LGPL', 'LGPL-3.0'],
 ['GPL', 'GPL-3.0'],
 ['MIT', 'MIT'],
```

```
 ['MPL', 'MPL-2.0'],
 ['X11', 'X11'],
 ['ZLIB', 'Zlib']
];

var SUBSTRING = 0;
var IDENTIFIER = 1;

var validTransformation = function(identifier) {
 for (var i = 0; i < transforms.length; i++) {
   var transformed = transforms[i](identifier);
   if (transformed !== identifier && valid(transformed)) {
     return transformed;
   }
 }
 return null;
};

var validLastResort = function(identifier) {
 var upperCased = identifier.toUpperCase();
 for (var i = 0; i < lastResorts.length; i++) {
   var lastResort = lastResorts[i];
   if (upperCased.indexOf(lastResort[SUBSTRING]) > -1) {
     return lastResort[IDENTIFIER];
   }
 }
 return null;
};

var anyCorrection = function(identifier, check) {
 for (var i = 0; i < transpositions.length; i++) {
   var transposition = transpositions[i];
   var transposed = transposition[TRANSPOSED];
   if (identifier.indexOf(transposed) > -1) {
     var corrected = identifier.replace(
       transposed,
       transposition[CORRECT]
     );
     var checked = check(corrected);
     if (checked !== null) {
       return checked;
     }
   }
 }
 return null;
};

module.exports = function(identifier) {
```

```
  identifier = identifier.replace(/\+$/, '');
  if (valid(identifier)) {
    return identifier;
  }
  var transformed = validTransformation(identifier);
  if (transformed !== null) {
    return transformed;
  }
  transformed = anyCorrection(identifier, function(argument) {
    if (valid(argument)) {
      return argument;
    }
    return validTransformation(argument);
  });
  if (transformed !== null) {
    return transformed;
  }
  transformed = validLastResort(identifier);
  if (transformed !== null) {
    return transformed;
  }
  transformed = anyCorrection(identifier, validLastResort);
  if (transformed !== null) {
    return transformed;
  }
  return null;
};
{
  "_args": [
    [
      "spdx-correct@~1.0.0",
      "/Users/rebecca/code/npm/node_modules/validate-npm-package-license"
    ]
  ],
  "_from": "spdx-correct@>=1.0.0 <1.1.0",
  "_id": "spdx-correct@1.0.2",
  "_inCache": true,
  "_installable": true,
  "_location": "/validate-npm-package-license/spdx-correct",
  "_nodeVersion": "4.2.1",
  "_npmUser": {
    "email": "kyle@kemitchell.com",
    "name": "kemitchell"
  },
  "_npmVersion": "3.3.6",
  "_phantomChildren": {},
  "_requested": {
    "name": "spdx-correct",
```

"raw": "spdx-correct@~1.0.0",
"rawSpec": "~1.0.0",
"scope": null,
"spec": ">=1.0.0 <1.1.0",
"type": "range"
},
"_requiredBy": [
"/validate-npm-package-license"
],
"_resolved": "https://registry.npmjs.org/spdx-correct/-/spdx-correct-1.0.2.tgz",
"_shasum": "4b3073d933ff51f3912f03ac5519498a4150db40",
"_shrinkwrap": null,
"_spec": "spdx-correct@~1.0.0",
"_where": "/Users/rebecca/code/npm/node_modules/validate-npm-package-license",
"author": {
"email": "kyle@kemitchell.com",
"name": "Kyle E. Mitchell",
"url": "https://kemitchell.com"
},
"bugs": {
"url": "https://github.com/kemitchell/spdx-correct.js/issues"
},
"dependencies": {
"spdx-license-ids": "^1.0.2"
},
"description": "correct invalid SPDX identifiers",
"devDependencies": {
"defence-cli": "^1.0.1",
"replace-require-self": "^1.0.0",
"spdx-expression-parse": "^1.0.0",
"tape": "~4.0.0"
},
"directories": {},
"dist": {
"shasum": "4b3073d933ff51f3912f03ac5519498a4150db40",
"tarball": "http://registry.npmjs.org/spdx-correct/-/spdx-correct-1.0.2.tgz"
},
"gitHead": "8430a3ad521e1455208db33faafcb79c7b074236",
"homepage": "https://github.com/kemitchell/spdx-correct.js#readme",
"keywords": [
"SPDX",
"law",
"legal",
"license",
"metadata"
],
"license": "Apache-2.0",
"maintainers": [

```
    {
      "name": "kemitchell",
      "email": "kyle@kemitchell.com"
    },
    {
      "name": "othiym23",
      "email": "ogd@aoaioxxysz.net"
    }
  ],
  "name": "spdx-correct",
  "optionalDependencies": {},
  "readme": "ERROR: No README data found!",
  "repository": {
    "type": "git",
    "url": "git+https://github.com/kemitchell/spdx-correct.js.git"
  },
  "scripts": {
    "test": "defence README.md | replace-require-self | node && tape *.test.js"
  },
  "version": "1.0.2"
}
var parse = require('spdx-expression-parse');
var correct = require('spdx-correct');

var genericWarning = (
  'license should be ' +
  'a valid SPDX license expression (without "LicenseRef"), ' +
  '"UNLICENSED", or ' +
  '"SEE LICENSE IN <filename>"'
);

var fileReferenceRE = /^SEE LICEN[CS]E IN (.+)$/;

function startsWith(prefix, string) {
  return string.slice(0, prefix.length) === prefix;
}

function usesLicenseRef(ast) {
  if (ast.hasOwnProperty('license')) {
    var license = ast.license;
    return (
      startsWith('LicenseRef', license) ||
      startsWith('DocumentRef', license)
    );
  } else {
    return (
      usesLicenseRef(ast.left) ||
      usesLicenseRef(ast.right)
```

```
  );
 }
}

module.exports = function(argument) {
 var ast;

 try {
  ast = parse(argument);
 } catch (e) {
  var match
  if (
   argument === 'UNLICENSED' ||
   argument === 'UNLICENCED'
  ) {
   return {
    validForOldPackages: true,
    validForNewPackages: true,
    unlicensed: true
   };
  } else if (match = fileReferenceRE.exec(argument)) {
   return {
    validForOldPackages: true,
    validForNewPackages: true,
    inFile: match[1]
   };
  } else {
   var result = {
    validForOldPackages: false,
    validForNewPackages: false,
    warnings: [genericWarning]
   };
   var corrected = correct(argument);
   if (corrected) {
    result.warnings.push(
     'license is similar to the valid expression "' + corrected + '"'
    );
   }
   return result;
  }
 }

 if (usesLicenseRef(ast)) {
  return {
   validForNewPackages: false,
   validForOldPackages: false,
   spdx: true,
   warnings: [genericWarning]
```

```
  };
 } else {
  return {
    validForNewPackages: true,
    validForOldPackages: true,
    spdx: true
  };
 }
};
{
 "name": "validate-npm-package-license",
 "description": "Give me a string and I'll tell you if it's a valid npm package license string",
 "version": "3.0.1",
 "author": {
  "name": "Kyle E. Mitchell",
  "email": "kyle@kemitchell.com",
  "url": "https://kemitchell.com"
 },
 "dependencies": {
  "spdx-correct": "~1.0.0",
  "spdx-expression-parse": "~1.0.0"
 },
 "devDependencies": {
  "defence-cli": "^1.0.1",
  "replace-require-self": "^1.0.0"
 },
 "keywords": [
  "license",
  "npm",
  "package",
  "validation"
 ],
 "license": "Apache-2.0",
 "repository": {
  "type": "git",
  "url": "git+https://github.com/kemitchell/validate-npm-package-license.js.git"
 },
 "scripts": {
  "test": "defence README.md | replace-require-self | node"
 },
 "gitHead": "00200d28f9960985f221bc1a8a71e4760daf39bf",
 "bugs": {
  "url": "https://github.com/kemitchell/validate-npm-package-license.js/issues"
 },
 "homepage": "https://github.com/kemitchell/validate-npm-package-license.js#readme",
 "_id": "validate-npm-package-license@3.0.1",
 "_shasum": "2804babe712ad3379459acfbe24746ab2c303fbc",
 "_from": "validate-npm-package-license@3.0.1",
```

"_npmVersion": "2.13.5",
"_nodeVersion": "0.12.7",
"_npmUser": {
  "name": "kemitchell",
  "email": "kyle@kemitchell.com"
},
"dist": {
  "shasum": "2804babe712ad3379459acfbe24746ab2c303fbc",
  "tarball": "http://registry.npmjs.org/validate-npm-package-license/-/validate-npm-package-license-3.0.1.tgz"
},
"maintainers": [
  {
    "name": "kemitchell",
    "email": "kyle@kemitchell.com"
  },
  {
    "name": "othiym23",
    "email": "ogd@aoaioxxysz.net"
  }
],
"directories": {},
"_resolved": "https://registry.npmjs.org/validate-npm-package-license/-/validate-npm-package-license-3.0.1.tgz",
"readme": "ERROR: No README data found!"
}

```
var test = require('tap').test
var init = require('../')
var rimraf = require('rimraf')
var common = require('./lib/common')

test('license', function (t) {
 init(__dirname, '', {}, function (er, data) {
  if (er)
    throw er

  var wanted = {
    name: 'the-name',
    version: '1.0.0',
    description: '',
    scripts: { test: 'echo "Error: no test specified" && exit 1' },
    license: 'Apache-2.0',
    author: '',
    main: 'basic.js'
  }
  console.log('')
  t.has(data, wanted)
  t.end()
 })
 common.drive([
```

```
  'the-name\n',
  '\n',
  '\n',
  '\n',
  '\n',
  '\n',
  '\n',
  '\n',
  'Apache\n',
  'Apache-2.0\n',
  'yes\n'
 ])
})

test('teardown', function (t) {
 rimraf(__dirname + '/package.json', t.end.bind(t))
})
```

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7. [8]Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT port. Clean up recvbuf and iosignal code into separate modules.
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16. [17]John A. Dundas III <dundas@salt.jpl.nasa.gov> Apple A/UX port
17. [18]Torsten Duwe <duwe@immd4.informatik.uni-erlangen.de> Linux port
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38. [41]Jeffrey Mogul <mogul@pa.dec.com> ntptrace utility
39. [42]Tom Moore <tmoore@fievel.daytonoh.ncr.com> i386 svr4 port
40. [43]Kamal A Mostafa <kamal@whence.com> SCO OpenServer port
41. [44]Derek Mulcahy <derek@toybox.demon.co.uk> and [45]Damon Hart-Davis <d@hd.org> ARCRON MSF clock driver
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43. [47]Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de>

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 - RSA is no longer included, found in the OpenSSL library
```

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 *
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 *
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# 1.222 org.eclipse.persistence.jpa 2.4.2

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# 1.223 org.eclipse.persistence.jpa.jpql 2.5.0

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# 1.224 osgi.resource.locator 1.0.1

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Thus, it is not the intent of this section to claim rights or contest

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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.

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Section 6 states terms for distribution of such executables.

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

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

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

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

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

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

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b) 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.

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@c End:

# 1.228 passport 0.2.0

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{
 return (strcmp(license, "GPL") == 0
  || strcmp(license, "GPL v2") == 0
  || strcmp(license, "GPL and additional rights") == 0
  || strcmp(license, "Dual BSD/GPL") == 0
  || strcmp(license, "Dual MIT/GPL") == 0
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}

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```

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Version 2, June 1991

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

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single nxt200x frontend driver.

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```
/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
*
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
*  http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
* interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
```

```
*
*   Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
*
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
*   IDT always receives data into a small buffer, then large buffers
*     as needed. This means that data must always be copied to create
*     the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
*     Fix is simple: make large buffers large enough to hold entire
*     SDU, and leave <small_buffer_data> bytes empty at the start. Then
*     copy small buffer contents to head of large buffer.
*   Trick is to avoid fragmenting Linux, due to need for a lot of large
*     buffers. This is done by 2 things:
*       1) skb->destructor / skb->atm.recycle_buffer
*           combined, allow nicstar_free_rx_skb to be called to
*           recycle large data buffers
*       2) skb_clone of received buffers
*   See nicstar_free_rx_skb and linearize_buffer for implementation
*     details.
*
*
*
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*
* M. Welsh, 6 July 1996
*
*
```

*/
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# 1.236 persistence-moxy 2.5.0

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# 1.237 pexpect 4.0.1

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

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

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

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

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

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

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

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

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

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

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

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

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major

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

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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.

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When a "work that uses the Library" uses material from a header file

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

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

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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.

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* Version 2.2.5  28 Jul 2012  Mark Adler
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*/
/* yarn.h -- generic interface for thread operations
* Copyright (C) 2008, 2011 Mark Adler
* Version 1.3  13 Jan 2012  Mark Adler
*/

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# 1.244 protobuf-java 2.4.1

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| 1.6 | 1.5.2 | 2000 | CNRI | no |
| 2.0 | 1.6 | 2000 | BeOpen.com | no |
| 1.6.1 | 1.6 | 2001 | CNRI | yes (2) |
| 2.1 | 2.0+1.6.1 | 2001 | PSF | no |
| 2.0.1 | 2.0+1.6.1 | 2001 | PSF | yes |
| 2.1.1 | 2.1+2.0.1 | 2001 | PSF | yes |
| 2.1.2 | 2.1.1 | 2002 | PSF | yes |
| 2.1.3 | 2.1.2 | 2002 | PSF | yes |
| 2.2 and above | 2.1.1 | 2001-now | PSF | yes |

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# 1.250 Python Enum 0.4.4

## 1.250.1 Available under license :

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| 2.1.2 | 2.1.1 | 2002 | PSF | yes |
| 2.1.3 | 2.1.2 | 2002 | PSF | yes |
| 2.2.1 | 2.2 | 2002 | PSF | yes |
| 2.2.2 | 2.2.1 | 2002 | PSF | yes |
| 2.2.3 | 2.2.2 | 2003 | PSF | yes |

| | | | | |
|---|---|---|---|---|
| 2.3 | 2.2.2 | 2002-2003 | PSF | yes |
| 2.3.1 | 2.3 | 2002-2003 | PSF | yes |
| 2.3.2 | 2.3.1 | 2002-2003 | PSF | yes |
| 2.3.3 | 2.3.2 | 2002-2003 | PSF | yes |
| 2.3.4 | 2.3.3 | 2004 | PSF | yes |
| 2.3.5 | 2.3.4 | 2005 | PSF | yes |
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# 1.251 python-argparse 1.2.1 :9cbf4abe5aec05480e8fa320731236cf

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A. HISTORY OF THE SOFTWARE
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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.

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.

| Release | Derived from | Year | Owner | GPL-compatible? (1) |
|---|---|---|---|---|
| 0.9.0 thru 1.2 | | 1991-1995 | CWI | yes |
| 1.3 thru 1.5.2 | 1.2 | 1995-1999 | CNRI | yes |
| 1.6 | 1.5.2 | 2000 | CNRI | no |
| 2.0 | 1.6 | 2000 | BeOpen.com | no |
| 1.6.1 | 1.6 | 2001 | CNRI | yes (2) |
| 2.1 | 2.0+1.6.1 | 2001 | PSF | no |
| 2.0.1 | 2.0+1.6.1 | 2001 | PSF | yes |
| 2.1.1 | 2.1+2.0.1 | 2001 | PSF | yes |
| 2.2 | 2.1.1 | 2001 | PSF | yes |
| 2.1.2 | 2.1.1 | 2002 | PSF | yes |
| 2.1.3 | 2.1.2 | 2002 | PSF | yes |
| 2.2.1 | 2.2 | 2002 | PSF | yes |
| 2.2.2 | 2.2.1 | 2002 | PSF | yes |
| 2.2.3 | 2.2.2 | 2003 | PSF | yes |
| 2.3 | 2.2.2 | 2002-2003 | PSF | yes |
| 2.3.1 | 2.3 | 2002-2003 | PSF | yes |

| | | | | |
|---|---|---|---|---|
| 2.3.2 | 2.3.1 | 2002-2003 | PSF | yes |
| 2.3.3 | 2.3.2 | 2002-2003 | PSF | yes |
| 2.3.4 | 2.3.3 | 2004 | PSF | yes |
| 2.3.5 | 2.3.4 | 2005 | PSF | yes |
| 2.4 | 2.3 | 2004 | PSF | yes |
| 2.4.1 | 2.4 | 2005 | PSF | yes |
| 2.4.2 | 2.4.1 | 2005 | PSF | yes |
| 2.4.3 | 2.4.2 | 2006 | PSF | yes |
| 2.4.4 | 2.4.3 | 2006 | PSF | yes |
| 2.5 | 2.4 | 2006 | PSF | yes |
| 2.5.1 | 2.5 | 2007 | PSF | yes |
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| 2.6.2 | 2.6.1 | 2009 | PSF | yes |
| 2.6.3 | 2.6.2 | 2009 | PSF | yes |
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# 1.256 python-crontab 1.9.1 :02 Jan 2015 Martin Owens

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# 1.265 python-paste 1.7.5.1

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# 1.268 python-pip_CA-Root-Certificates 1.3.1 :4.el6

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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.

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| 2.0 | 1.6 | 2000 | BeOpen.com | no |
| 1.6.1 | 1.6 | 2001 | CNRI | no |
| 2.1 | 2.0+1.6.1 | 2001 | PSF | no |
| 2.0.1 | 2.0+1.6.1 | 2001 | PSF | yes |
| 2.1.1 | 2.1+2.0.1 | 2001 | PSF | yes |
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# 1.273 python2-pythondialog 3.0.1 :2013-11-01 Florent Rougon

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That's all there is to it!

```
# demo.py --- Demonstration program and cheap test suite for pythondialog
#
# Copyright (C) 2002-2010, 2013  Florent Rougon
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#
# This program is in the public domain.
```

# 1.274 python2-redis 2.10.3

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

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

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# 1.277 redis 0.12.1

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redis - a node.js redis client
==========

This is a complete Redis client for node.js. It supports all Redis commands, including many recently added commands like EVAL from
experimental Redis server branches.

Install with:

```
npm install redis
```

Pieter Noordhuis has provided a binding to the official `hiredis` C library, which is non-blocking and fast. To use `hiredis`, do:

```
npm install hiredis redis
```

If `hiredis` is installed, `node_redis` will use it by default. Otherwise, a pure JavaScript parser will be used.

If you use `hiredis`, be sure to rebuild it whenever you upgrade your version of node. There are mysterious failures that can

happen between node and native code modules after a node upgrade.

## Usage

Simple example, included as `examples/simple.js`:

```js
var redis = require("redis"),
    client = redis.createClient();

// if you'd like to select database 3, instead of 0 (default), call
// client.select(3, function() { /* ... */ });

client.on("error", function (err) {
    console.log("Error " + err);
});

client.set("string key", "string val", redis.print);
client.hset("hash key", "hashtest 1", "some value", redis.print);
client.hset(["hash key", "hashtest 2", "some other value"], redis.print);
client.hkeys("hash key", function (err, replies) {
    console.log(replies.length + " replies:");
    replies.forEach(function (reply, i) {
        console.log("    " + i + ": " + reply);
    });
    client.quit();
});
```

This will display:

```
mjr:~/work/node_redis (master)$ node example.js
Reply: OK
Reply: 0
Reply: 0
2 replies:
    0: hashtest 1
    1: hashtest 2
mjr:~/work/node_redis (master)$
```

## Performance

Here are typical results of `multi_bench.js` which is similar to `redis-benchmark` from the Redis distribution. It uses 50 concurrent connections with no pipelining.

JavaScript parser:

```
PING: 20000 ops 42283.30 ops/sec 0/5/1.182
SET: 20000 ops 32948.93 ops/sec 1/7/1.515
GET: 20000 ops 28694.40 ops/sec 0/9/1.740
INCR: 20000 ops 39370.08 ops/sec 0/8/1.269
LPUSH: 20000 ops 36429.87 ops/sec 0/8/1.370
LRANGE (10 elements): 20000 ops 9891.20 ops/sec 1/9/5.048
LRANGE (100 elements): 20000 ops 1384.56 ops/sec 10/91/36.072
```

hiredis parser:

```
PING: 20000 ops 46189.38 ops/sec 1/4/1.082
SET: 20000 ops 41237.11 ops/sec 0/6/1.210
GET: 20000 ops 39682.54 ops/sec 1/7/1.257
INCR: 20000 ops 40080.16 ops/sec 0/8/1.242
LPUSH: 20000 ops 41152.26 ops/sec 0/3/1.212
LRANGE (10 elements): 20000 ops 36563.07 ops/sec 1/8/1.363
LRANGE (100 elements): 20000 ops 21834.06 ops/sec 0/9/2.287
```

The performance of `node_redis` improves dramatically with pipelining, which happens automatically in most normal programs.

### Sending Commands

Each Redis command is exposed as a function on the `client` object.
All functions take either an `args` Array plus optional `callback` Function or
a variable number of individual arguments followed by an optional callback.
Here is an example of passing an array of arguments and a callback:

```
client.mset(["test keys 1", "test val 1", "test keys 2", "test val 2"], function (err, res) {});
```

Here is that same call in the second style:

```
client.mset("test keys 1", "test val 1", "test keys 2", "test val 2", function (err, res) {});
```

Note that in either form the `callback` is optional:

```
client.set("some key", "some val");
client.set(["some other key", "some val"]);
```

If the key is missing, reply will be null (probably):

```
client.get("missingkey", function(err, reply) {
    // reply is null when the key is missing
    console.log(reply);
});
```

For a list of Redis commands, see [Redis Command Reference](http://redis.io/commands)

The commands can be specified in uppercase or lowercase for convenience. `client.get()` is the same as `client.GET()`.

Minimal parsing is done on the replies. Commands that return a single line reply return JavaScript Strings, integer replies return JavaScript Numbers, "bulk" replies return node Buffers, and "multi bulk" replies return a JavaScript Array of node Buffers. `HGETALL` returns an Object with Buffers keyed by the hash keys.

# API

## Connection Events

`client` will emit some events about the state of the connection to the Redis server.

### "ready"

`client` will emit `ready` a connection is established to the Redis server and the server reports that it is ready to receive commands. Commands issued before the `ready` event are queued, then replayed just before this event is emitted.

### "connect"

`client` will emit `connect` at the same time as it emits `ready` unless `client.options.no_ready_check` is set. If this options is set, `connect` will be emitted when the stream is connected, and then you are free to try to send commands.

### "error"

`client` will emit `error` when encountering an error connecting to the Redis server.

Note that "error" is a special event type in node. If there are no listeners for an "error" event, node will exit. This is usually what you want, but it can lead to some cryptic error messages like this:

```
mjr:~/work/node_redis (master)$ node example.js

node.js:50
    throw e;
    ^
Error: ECONNREFUSED, Connection refused
    at IOWatcher.callback (net:870:22)
    at node.js:607:9
```

Not very useful in diagnosing the problem, but if your program isn't ready to handle this, it is probably the right thing to just exit.

`client` will also emit `error` if an exception is thrown inside of `node_redis` for whatever reason.

It would be nice to distinguish these two cases.

### "end"

`client` will emit `end` when an established Redis server connection has closed.

### "drain"

`client` will emit `drain` when the TCP connection to the Redis server has been buffering, but is now writable. This event can be used to stream commands in to Redis and adapt to backpressure. Right now, you need to check `client.command_queue.length` to decide when to reduce your send rate. Then you can resume sending when you get `drain`.

### "idle"

`client` will emit `idle` when there are no outstanding commands that are awaiting a response.

## redis.createClient()

### overloading
* redis.createClient() = redis.createClient(6379, '127.0.0.1', {})
* redis.createClient(options) = redis.createClient(6379, '127.0.0.1', options)
* redis.createClient(unix_socket, options)
* redis.createClient(port, host, options)

If you have `redis-server` running on the same computer as node, then the defaults for
port and host are probably fine. `options` in an object with the following possible properties:

* `parser`: which Redis protocol reply parser to use. Defaults to `hiredis` if that module is installed.
This may also be set to `javascript`.
* `return_buffers`: defaults to `false`. If set to `true`, then all replies will be sent to callbacks as node Buffer objects instead of JavaScript Strings.
* `detect_buffers`: default to `false`. If set to `true`, then replies will be sent to callbacks as node Buffer objects if any of the input arguments to the original command were Buffer objects.
This option lets you switch between Buffers and Strings on a per-command basis, whereas `return_buffers` applies to
every command on a client.
* `socket_nodelay`: defaults to `true`. Whether to call setNoDelay() on the TCP stream, which disables the Nagle algorithm on the underlying socket. Setting this option to `false` can result in additional throughput at the cost of more latency. Most applications will want this set to `true`.
* `socket_keepalive` defaults to `true`. Whether the keep-alive functionality is enabled on the underlying socket.
* `no_ready_check`: defaults to `false`. When a connection is established to the Redis server, the server might still be loading the database from disk. While loading, the server not respond to any commands. To work around this, `node_redis` has a "ready check" which sends the `INFO` command to the server. The response from the `INFO` command
indicates whether the server is ready for more commands. When ready, `node_redis` emits a `ready` event. Setting `no_ready_check` to `true` will inhibit this check.
* `enable_offline_queue`: defaults to `true`. By default, if there is no active

connection to the redis server, commands are added to a queue and are executed
once the connection has been established. Setting `enable_offline_queue` to
`false` will disable this feature and the callback will be execute immediately
with an error, or an error will be thrown if no callback is specified.
* `retry_max_delay`: defaults to `null`. By default every time the client tries to connect and fails time before reconnection (delay) almost doubles. This delay normally grows infinitely, but setting `retry_max_delay` limits delay
to maximum value, provided in milliseconds.
* `connect_timeout` defaults to `false`. By default client will try reconnecting until connected. Setting `connect_timeout`
limits total time for client to reconnect. Value is provided in milliseconds and is counted once the disconnect occured.
* `max_attempts` defaults to `null`. By default client will try reconnecting until connected. Setting `max_attempts` limits total amount of reconnects.
* `auth_pass` defaults to `null`. By default client will try connecting without auth. If set, client will run redis auth command on connect.
* `family` defaults to `IPv4`. The client connects in IPv4 if not specified or if the DNS resolution returns an IPv4 address.
You can force an IPv6 if you set the family to 'IPv6'. See nodejs net or dns modules how to use the family type.

```js
var redis = require("redis"),
    client = redis.createClient({detect_buffers: true});

client.set("foo_rand000000000000", "OK");

// This will return a JavaScript String
client.get("foo_rand000000000000", function (err, reply) {
    console.log(reply.toString()); // Will print `OK`
});

// This will return a Buffer since original key is specified as a Buffer
client.get(new Buffer("foo_rand000000000000"), function (err, reply) {
    console.log(reply.toString()); // Will print `<Buffer 4f 4b>`
});
client.end();
```

`createClient()` returns a `RedisClient` object that is named `client` in all of the examples here.

## client.auth(password, callback)

When connecting to Redis servers that require authentication, the `AUTH` command must be sent as the first command after connecting.  This can be tricky to coordinate with reconnections, the ready check, etc.  To make this easier, `client.auth()` stashes `password` and will send it after each connection, including reconnections.  `callback` is invoked only once, after the response to the very first `AUTH` command sent.

NOTE: Your call to `client.auth()` should not be inside the ready handler. If
you are doing this wrong, `client` will emit an error that looks
something like this `Error: Ready check failed: ERR operation not permitted`.

## client.end()

Forcibly close the connection to the Redis server.  Note that this does not wait until all replies have been parsed.
If you want to exit cleanly, call `client.quit()` to send the `QUIT` command after you have handled all replies.

This example closes the connection to the Redis server before the replies have been read.  You probably don't
want to do this:

```js
  var redis = require("redis"),
      client = redis.createClient();

  client.set("foo_rand000000000000", "some fantastic value");
  client.get("foo_rand000000000000", function (err, reply) {
      console.log(reply.toString());
  });
  client.end();
```

`client.end()` is useful for timeout cases where something is stuck or taking too long and you want
to start over.

## client.unref()

Call `unref()` on the underlying socket connection to the Redis server, allowing the program to exit once no more
commands are pending.

This is an **experimental** feature, and only supports a subset of the Redis protocol. Any commands where client
state is saved on the Redis server, e.g. `*SUBSCRIBE` or the blocking `BL*` commands will *NOT* work with
`.unref()`.

```js
var redis = require("redis")
var client = redis.createClient()

/*
  Calling unref() will allow this program to exit immediately after the get command finishes. Otherwise the client
would hang as long as the client-server connection is alive.
*/
client.unref()
client.get("foo", function (err, value){
  if (err) throw(err)
  console.log(value)
})
```

```

## Friendlier hash commands

Most Redis commands take a single String or an Array of Strings as arguments, and replies are sent back as a single String or an Array of Strings.
When dealing with hash values, there are a couple of useful exceptions to this.

### client.hgetall(hash)

The reply from an HGETALL command will be converted into a JavaScript Object by `node_redis`.  That way you can interact
with the responses using JavaScript syntax.

Example:

  client.hmset("hosts", "mjr", "1", "another", "23", "home", "1234");
  client.hgetall("hosts", function (err, obj) {
      console.dir(obj);
  });

Output:

  { mjr: '1', another: '23', home: '1234' }

### client.hmset(hash, obj, [callback])

Multiple values in a hash can be set by supplying an object:

  client.HMSET(key2, {
      "0123456789": "abcdefghij", // NOTE: key and value will be coerced to strings
      "some manner of key": "a type of value"
  });

The properties and values of this Object will be set as keys and values in the Redis hash.

### client.hmset(hash, key1, val1, ... keyn, valn, [callback])

Multiple values may also be set by supplying a list:

  client.HMSET(key1, "0123456789", "abcdefghij", "some manner of key", "a type of value");


## Publish / Subscribe

Here is a simple example of the API for publish / subscribe.  This program opens two
client connections, subscribes to a channel on one of them, and publishes to that
channel on the other:
```

```js
var redis = require("redis"),
    client1 = redis.createClient(), client2 = redis.createClient(),
    msg_count = 0;

client1.on("subscribe", function (channel, count) {
    client2.publish("a nice channel", "I am sending a message.");
    client2.publish("a nice channel", "I am sending a second message.");
    client2.publish("a nice channel", "I am sending my last message.");
});

client1.on("message", function (channel, message) {
    console.log("client1 channel " + channel + ": " + message);
    msg_count += 1;
    if (msg_count === 3) {
        client1.unsubscribe();
        client1.end();
        client2.end();
    }
});

client1.incr("did a thing");
client1.subscribe("a nice channel");
```

When a client issues a `SUBSCRIBE` or `PSUBSCRIBE`, that connection is put into a "subscriber" mode. At that point, only commands that modify the subscription set are valid. When the subscription set is empty, the connection is put back into regular mode.

If you need to send regular commands to Redis while in subscriber mode, just open another connection.

## Subscriber Events

If a client has subscriptions active, it may emit these events:

### "message" (channel, message)

Client will emit `message` for every message received that matches an active subscription. Listeners are passed the channel name as `channel` and the message Buffer as `message`.

### "pmessage" (pattern, channel, message)

Client will emit `pmessage` for every message received that matches an active subscription pattern. Listeners are passed the original pattern used with `PSUBSCRIBE` as `pattern`, the sending channel name as `channel`, and the message Buffer as `message`.

### "subscribe" (channel, count)

Client will emit `subscribe` in response to a `SUBSCRIBE` command.  Listeners are passed the channel name as `channel` and the new count of subscriptions for this client as `count`.

### "psubscribe" (pattern, count)

Client will emit `psubscribe` in response to a `PSUBSCRIBE` command.  Listeners are passed the original pattern as `pattern`, and the new count of subscriptions for this client as `count`.

### "unsubscribe" (channel, count)

Client will emit `unsubscribe` in response to a `UNSUBSCRIBE` command.  Listeners are passed the channel name as `channel` and the new count of subscriptions for this client as `count`.  When `count` is 0, this client has left subscriber mode and no more subscriber events will be emitted.

### "punsubscribe" (pattern, count)

Client will emit `punsubscribe` in response to a `PUNSUBSCRIBE` command.  Listeners are passed the channel name as `channel` and the new count of subscriptions for this client as `count`.  When `count` is 0, this client has left subscriber mode and no more subscriber events will be emitted.

## client.multi([commands])

`MULTI` commands are queued up until an `EXEC` is issued, and then all commands are run atomically by Redis.  The interface in `node_redis` is to return an individual `Multi` object by calling `client.multi()`.

```js
  var redis  = require("./index"),
      client = redis.createClient(), set_size = 20;

  client.sadd("bigset", "a member");
  client.sadd("bigset", "another member");

  while (set_size > 0) {
      client.sadd("bigset", "member " + set_size);
      set_size -= 1;
  }

  // multi chain with an individual callback
  client.multi()
      .scard("bigset")
      .smembers("bigset")
      .keys("*", function (err, replies) {
          // NOTE: code in this callback is NOT atomic
          // this only happens after the the .exec call finishes.
          client.mget(replies, redis.print);
      })
      .dbsize()
```

```
    .exec(function (err, replies) {
        console.log("MULTI got " + replies.length + " replies");
        replies.forEach(function (reply, index) {
            console.log("Reply " + index + ": " + reply.toString());
        });
    });
```

### Multi.exec( callback )

`client.multi()` is a constructor that returns a `Multi` object. `Multi` objects share all of the same command methods as `client` objects do. Commands are queued up inside the `Multi` object until `Multi.exec()` is invoked.

The `callback` of `.exec()` will get invoked with two arguments:

* `err` **type:** `null | Array` err is either null or an array of Error Objects corresponding the the sequence the commands where chained. The last item of the array will always be an `EXECABORT` type of error originating from the `.exec()` itself.
* `results` **type:** `null | Array` results is an array of responses corresponding the the sequence the commands where chained.

You can either chain together `MULTI` commands as in the above example, or you can queue individual commands while still sending regular client command as in this example:

```js
var redis  = require("redis"),
    client = redis.createClient(), multi;

// start a separate multi command queue
multi = client.multi();
multi.incr("incr thing", redis.print);
multi.incr("incr other thing", redis.print);

// runs immediately
client.mset("incr thing", 100, "incr other thing", 1, redis.print);

// drains multi queue and runs atomically
multi.exec(function (err, replies) {
    console.log(replies); // 101, 2
});

// you can re-run the same transaction if you like
multi.exec(function (err, replies) {
    console.log(replies); // 102, 3
    client.quit();
});
```

In addition to adding commands to the `MULTI` queue individually, you can also pass an array of commands and arguments to the constructor:

```js
var redis  = require("redis"),
    client = redis.createClient(), multi;

client.multi([
    ["mget", "multifoo", "multibar", redis.print],
    ["incr", "multifoo"],
    ["incr", "multibar"]
]).exec(function (err, replies) {
    console.log(replies);
});
```

## Monitor mode

Redis supports the `MONITOR` command, which lets you see all commands received by the Redis server across all client connections, including from other client libraries and other computers.

After you send the `MONITOR` command, no other commands are valid on that connection. `node_redis` will emit a `monitor` event for every new monitor message that comes across. The callback for the `monitor` event takes a timestamp from the Redis server and an array of command arguments.

Here is a simple example:

```js
var client  = require("redis").createClient(),
    util = require("util");

client.monitor(function (err, res) {
    console.log("Entering monitoring mode.");
});

client.on("monitor", function (time, args) {
    console.log(time + ": " + util.inspect(args));
});
```

# Extras

Some other things you might like to know about.

## client.server_info

After the ready probe completes, the results from the INFO command are saved in the `client.server_info` object.

The `versions` key contains an array of the elements of the version string for easy comparison.

```
> client.server_info.redis_version
'2.3.0'
> client.server_info.versions
[ 2, 3, 0 ]
```

## redis.print()

A handy callback function for displaying return values when testing.  Example:

```js
var redis = require("redis"),
    client = redis.createClient();

client.on("connect", function () {
    client.set("foo_rand000000000000", "some fantastic value", redis.print);
    client.get("foo_rand000000000000", redis.print);
});
```

This will print:

```
Reply: OK
Reply: some fantastic value
```

Note that this program will not exit cleanly because the client is still connected.

## redis.debug_mode

Boolean to enable debug mode and protocol tracing.

```js
var redis = require("redis"),
    client = redis.createClient();

redis.debug_mode = true;

client.on("connect", function () {
    client.set("foo_rand000000000000", "some fantastic value");
});
```

This will display:

```
mjr:~/work/node_redis (master)$ node ~/example.js
send command: *3
$3
SET
$20
foo_rand000000000000
$20
some fantastic value

on_data: +OK
```

`send command` is data sent into Redis and `on_data` is data received from Redis.

## Multi-word commands

To execute redis multi-word commands like `SCRIPT LOAD` or `CLIENT LIST` pass
the second word as first parameter:

```
client.script('load', 'return 1');
client.multi().script('load', 'return 1').exec(...);
client.multi([['script', 'load', 'return 1']]).exec(...);
```

## client.send_command(command_name, args, callback)

Used internally to send commands to Redis. For convenience, nearly all commands that are published on the Redis Wiki have been added to the `client` object. However, if I missed any, or if new commands are introduced before this library is updated, you can use `send_command()` to send arbitrary commands to Redis.

All commands are sent as multi-bulk commands. `args` can either be an Array of arguments, or omitted.

## client.connected

Boolean tracking the state of the connection to the Redis server.

## client.command_queue.length

The number of commands that have been sent to the Redis server but not yet replied to. You can use this to enforce some kind of maximum queue depth for commands while connected.

Don't mess with `client.command_queue` though unless you really know what you are doing.

## client.offline_queue.length

The number of commands that have been queued up for a future connection. You can use this to enforce some kind of maximum queue depth for pre-connection commands.

## client.retry_delay

Current delay in milliseconds before a connection retry will be attempted.  This starts at `250`.

## client.retry_backoff

Multiplier for future retry timeouts.  This should be larger than 1 to add more time between retries.
Defaults to 1.7.  The default initial connection retry is 250, so the second retry will be 425, followed by 723.5, etc.

### Commands with Optional and Keyword arguments

This applies to anything that uses an optional `[WITHSCORES]` or `[LIMIT offset count]` in the
[redis.io/commands](http://redis.io/commands) documentation.

Example:
```js
var args = [ 'myzset', 1, 'one', 2, 'two', 3, 'three', 99, 'ninety-nine' ];
client.zadd(args, function (err, response) {
  if (err) throw err;
  console.log('added '+response+' items.');

  // -Infinity and +Infinity also work
  var args1 = [ 'myzset', '+inf', '-inf' ];
  client.zrevrangebyscore(args1, function (err, response) {
      if (err) throw err;
      console.log('example1', response);
      // write your code here
  });

  var max = 3, min = 1, offset = 1, count = 2;
  var args2 = [ 'myzset', max, min, 'WITHSCORES', 'LIMIT', offset, count ];
  client.zrevrangebyscore(args2, function (err, response) {
      if (err) throw err;
      console.log('example2', response);
      // write your code here
  });
});
```

## TODO

Better tests for auth, disconnect/reconnect, and all combinations thereof.

Stream large set/get values into and out of Redis.  Otherwise the entire value must be in node's memory.

Performance can be better for very large values.

I think there are more performance improvements left in there for smaller values, especially for large lists of small values.

## How to Contribute
- open a pull request and then wait for feedback (if
 [DTrejo](http://github.com/dtrejo) does not get back to you within 2 days,
 comment again with indignation!)

## Contributors
Some people have have added features and fixed bugs in `node_redis` other than me.

Ordered by date of first contribution.
[Auto-generated](http://github.com/dtrejo/node-authors) on Wed Jul 25 2012 19:14:59 GMT-0700 (PDT).

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Thanks.

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# 1.278 Redis 3.2.7

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# 1.279 Redis 2.8.6 :13 Feb 2014

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#
# Interactive service installer for redis server
# this generates a redis config file and an /etc/init.d script, and installs them
# this scripts should be run as root
#
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## 1.284.1 Available under license :

Requests includes some vendorized python libraries to ease installation.

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# 1.285 requests_packeges 2.5.0 :(2012-12-17)

## 1.285.1 Available under license :

Requests includes some vendorized python libraries to ease installation.

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# 1.288 selectize.js 2.0

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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 (see
http://www.digicool.com). In 2001, the Python Software Foundation
(PSF, see http://www.python.org/psf/) was formed, a non-profit
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| Release | Derived from | Year | Owner | GPL-compatible? (1) |
|---|---|---|---|---|
| 0.9.0 thru 1.2 | | 1991-1995 | CWI | yes |
| 1.3 thru 1.5.2 | 1.2 | 1995-1999 | CNRI | yes |
| 1.6 | 1.5.2 | 2000 | CNRI | no |
| 2.0 | 1.6 | 2000 | BeOpen.com | no |
| 1.6.1 | 1.6 | 2001 | CNRI | no |
| 2.1 | 2.0+1.6.1 | 2001 | PSF | no |
| 2.0.1 | 2.0+1.6.1 | 2001 | PSF | yes |
| 2.1.1 | 2.1+2.0.1 | 2001 | PSF | yes |
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Jean-loup Gailly Mark Adler
jloup@gzip.org madler@alumni.caltech.edu

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```

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---
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compiler/cpp/Makefile.am

compiler/cpp/src/generate/t_cocoa_generator.cc
compiler/cpp/src/generate/t_cpp_generator.cc
compiler/cpp/src/generate/t_csharp_generator.cc
compiler/cpp/src/generate/t_erl_generator.cc
compiler/cpp/src/generate/t_hs_generator.cc
compiler/cpp/src/generate/t_java_generator.cc
compiler/cpp/src/generate/t_ocaml_generator.cc
compiler/cpp/src/generate/t_perl_generator.cc
compiler/cpp/src/generate/t_php_generator.cc
compiler/cpp/src/generate/t_py_generator.cc
compiler/cpp/src/generate/t_rb_generator.cc
compiler/cpp/src/generate/t_st_generator.cc
compiler/cpp/src/generate/t_xsd_generator.cc
compiler/cpp/src/main.cc
compiler/cpp/src/parse/t_field.h
compiler/cpp/src/parse/t_program.h
compiler/cpp/src/platform.h
compiler/cpp/src/thriftl.ll
compiler/cpp/src/thrifty.yy
lib/csharp/src/Protocol/TBinaryProtocol.cs
lib/csharp/src/Protocol/TField.cs
lib/csharp/src/Protocol/TList.cs
lib/csharp/src/Protocol/TMap.cs
lib/csharp/src/Protocol/TMessage.cs
lib/csharp/src/Protocol/TMessageType.cs
lib/csharp/src/Protocol/TProtocol.cs
lib/csharp/src/Protocol/TProtocolException.cs
lib/csharp/src/Protocol/TProtocolFactory.cs
lib/csharp/src/Protocol/TProtocolUtil.cs
lib/csharp/src/Protocol/TSet.cs
lib/csharp/src/Protocol/TStruct.cs
lib/csharp/src/Protocol/TType.cs
lib/csharp/src/Server/TServer.cs
lib/csharp/src/Server/TSimpleServer.cs
lib/csharp/src/Server/TThreadPoolServer.cs
lib/csharp/src/TApplicationException.cs
lib/csharp/src/Thrift.csproj
lib/csharp/src/Thrift.sln
lib/csharp/src/TProcessor.cs
lib/csharp/src/Transport/TServerSocket.cs
lib/csharp/src/Transport/TServerTransport.cs
lib/csharp/src/Transport/TSocket.cs
lib/csharp/src/Transport/TStreamTransport.cs
lib/csharp/src/Transport/TTransport.cs
lib/csharp/src/Transport/TTransportException.cs
lib/csharp/src/Transport/TTransportFactory.cs
lib/csharp/ThriftMSBuildTask/Properties/AssemblyInfo.cs
lib/csharp/ThriftMSBuildTask/ThriftBuild.cs

lib/csharp/ThriftMSBuildTask/ThriftMSBuildTask.csproj
lib/rb/lib/thrift.rb
lib/st/README
lib/st/thrift.st
test/OptionalRequiredTest.cpp
test/OptionalRequiredTest.thrift
test/ThriftTest.thrift

---
For the aclocal/ax_boost_base.m4 and contrib/fb303/aclocal/ax_boost_base.m4 components:

```
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```

---
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```
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 L. Peter Deutsch
 ghost@aladdin.com

*/
```

---
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lib/ocaml/OCamlMakefile and lib/ocaml/README-OCamlMakefile components:
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Version 2.1, February 1999

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- javaee_web_services_1_3.xsd

- javaee_web_services_client_1_3.xsd

- web-app_3_0.xsd

- web-common_3_0.xsd

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- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd

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- javaee_web_services_1_2.xsd

- javaee_web_services_client_1_2.xsd

- javaee_6.xsd

- javaee_web_services_1_3.xsd

- javaee_web_services_client_1_3.xsd

- jsp_2_2.xsd

- web-app_3_0.xsd

- web-common_3_0.xsd

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# 1.309 tomcat-juli 7.0.42

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```

```
*/

package zipcompare;

import java.util.zip.ZipFile;
import java.util.zip.ZipEntry;
import java.util.*;
import java.io.IOException;
import java.io.InputStream;

public class ZipCompare
{
  public static void main(String[] args)
  {
    if (args.length != 2)
    {
      System.out.println("Usage: zipcompare [file1] [file2]");
      System.exit(1);
    }

    ZipFile file1;
    try { file1 = new ZipFile(args[0]); }
    catch (IOException e) { System.out.println("Could not open zip file " + args[0] + ": " + e); System.exit(1);
return; }

    ZipFile file2;
    try { file2 = new ZipFile(args[1]); }
    catch (IOException e) { System.out.println("Could not open zip file " + args[0] + ": " + e); System.exit(1);
return; }

    System.out.println("Comparing " + args[0] + " with " + args[1] + ":");

    Set set1 = new LinkedHashSet();
    for (Enumeration e = file1.entries(); e.hasMoreElements(); )
      set1.add(((ZipEntry)e.nextElement()).getName());

    Set set2 = new LinkedHashSet();
    for (Enumeration e = file2.entries(); e.hasMoreElements(); )
      set2.add(((ZipEntry)e.nextElement()).getName());

    int errcount = 0;
    int filecount = 0;
    for (Iterator i = set1.iterator(); i.hasNext(); )
    {
      String name = (String)i.next();
      if (!set2.contains(name))
      {
        System.out.println(name + " not found in " + args[1]);
```

```
            errcount += 1;
            continue;
        }
        try
        {
            set2.remove(name);
            if (!streamsEqual(file1.getInputStream(file1.getEntry(name)), file2.getInputStream(file2.getEntry(name))))
            {
                System.out.println(name + " does not match");
                errcount += 1;
                continue;
            }
        }
        catch (Exception e)
        {
            System.out.println(name + ": IO Error " + e);
            e.printStackTrace();
            errcount += 1;
            continue;
        }
        filecount += 1;
    }
    for (Iterator i = set2.iterator(); i.hasNext(); )
    {
        String name = (String)i.next();
        System.out.println(name + " not found in " + args[0]);
        errcount += 1;
    }
    System.out.println(filecount + " entries matched");
    if (errcount > 0)
    {
        System.out.println(errcount + " entries did not match");
        System.exit(1);
    }
    System.exit(0);
}

static boolean streamsEqual(InputStream stream1, InputStream stream2) throws IOException
{
    byte[] buf1 = new byte[4096];
    byte[] buf2 = new byte[4096];
    boolean done1 = false;
    boolean done2 = false;

    try
    {
    while (!done1)
    {
```

```
        int off1 = 0;
        int off2 = 0;

        while (off1 < buf1.length)
        {
            int count = stream1.read(buf1, off1, buf1.length - off1);
            if (count < 0)
            {
                done1 = true;
                break;
            }
            off1 += count;
        }
        while (off2 < buf2.length)
        {
            int count = stream2.read(buf2, off2, buf2.length - off2);
            if (count < 0)
            {
                done2 = true;
                break;
            }
            off2 += count;
        }
        if (off1 != off2 || done1 != done2)
            return false;
        for (int i = 0; i < off1; i++)
        {
            if (buf1[i] != buf2[i])
                return false;
        }
    }
    return true;
    }
    finally { stream1.close(); stream2.close(); }
  }
}
```

# 1.328 zeromq 3.2.3

## 1.328.1 Available under license :

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Version 3, 29 June 2007

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<one line to give the program's name and a brief idea of what it does.>
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# 1.329 zeromq 3.2.0

## 1.329.1 Available under license :

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Version 3, 29 June 2007

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Welcome
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The 0MQ lightweight messaging kernel is a library which extends the standard socket interfaces with features traditionally provided by specialised messaging middleware products. 0MQ sockets provide an abstraction of asynchronous message queues, multiple messaging patterns, message filtering (subscriptions), seamless access to multiple transport protocols and more.

Building and installation
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See the INSTALL file included with the distribution.

Resources
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Extensive documentation is provided with the distribution. Refer to
doc/zmq.html, or "man zmq" after you have installed 0MQ on your system.

Website: http://www.zeromq.org/

Development mailing list: zeromq-dev@lists.zeromq.org
Announcements mailing list: zeromq-announce@lists.zeromq.org

Git repository: http://github.com/zeromq/libzmq

0MQ developers can also be found on the IRC channel #zeromq, on the
Freenode network (irc.freenode.net).

Copying
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