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#### Frameworks and Projects

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Library for implementing boolean operations on vector graphics.

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##### ■ Polygon Clipper by Angus Johnson

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The download package contains the library's full source code (written in Delphi, C++ and C#), numerous demos, a help file and links to third party Python, Perl, Ruby and Haskell modules.

Version: 6.1.3

Last updated: 19 January 2014

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CocoaScript by Gus Mueller

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■ Minizip by Gilles Vollant

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The source packages of Perl 5 can be downloaded from <http://www.cpan.org/src/README.html>

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Date: 01/19/1999 FILENAME : ISDataTransferMgr.cpp

ORG. DATE : 01/19/99

PURPOSE : definitions for the uniform data transfer operations

to support clipboard cut/copy/paste and drop and drop

operations

NOTES: this source was found in a sample from VCDJ website

(<http://www.vcdj.com>) from an article entitled:

"Instant Clipboard and Drag-and-Drop for MFC Objects"

by Ed Smetak

REVISIONS : 01/19/99 original file creation Open Source Link Type: Static

Redistributed by Users: No

IDE Yes; modified to fit InstallShield framework ISTools.dll [ProductDir]\System Limited Edition: Code is used.

Library that is used by the InstallShield IDE for basic Clipboard support (cut, copy, paste, drag and drop) in the InstallShield IDE

MD5 Message-Digest

Algorithm (from RSA Data Security, Inc.)

Version: None

Date: 1992

MD5.h mentions having a notice similar to the one below:

MD5 Message-Digest Algorithm

Copyright (C) 1991-2, RSA Data Security, Inc. Created 1991. All rights reserved.

See appendix Open Source Link Type: Static

Redistributed by Users: Yes

IDE

Basic MSI run time

InstallScript run time

InstallScript MSI run time No InstallScript Engine / Build [ProductDir]\System Limited Edition: Code is used.

Security algorithm used to generate unique hash files for files to ensure that they are downloaded/extracted correctly

Impact: The About box in InstallShield has an RSA Data Security copyright notice for MD5.

Microsoft SDK License

Version: 2003 Platform SDK.

Microsoft SDK

See appendix Commercial Link Type: Static

Redistributed by Users: Yes

IDE

Basic MSI run time

InstallScript run time

InstallScript MSI run time No WTL [ProductDir]\System\  
ActivationSupport\

TryAndBuy Limited Edition: Code not included or used.

Used by activationgui.dll for the user interface of the two types of trialware (Try and Buy/Product Activation and Try and Die)

Microsoft Windows 7 SDK

See appendix Commercial Link Type: Dynamic

Redistributed by Users: No

No Windows SDK files. Including ATL, MFC, CRT and Build Tools as called out in Exhibit B of the Open Tools Agreement.

[ProductDir]\System Limited Edition: Code is included.

MiniZip64

Version: 1.1

See appendix Free Link Type: Static

Redistributed by Users: No

IDE

Yes ISZipLib.dll [ProductDir]\System Limited Edition: Code not included or used.

msi2xml

MIT-Style

Version: 1.21

Date: 11/11/2002 gehriger@linkcad.com

<http://msi2xml.sourceforge.net/>

<http://hsqldb.org/>

MSI2XML & XML2MSI MIT License

See appendix Open Source Link Type: Static

Redistributed by Users: No

IDE Yes; modified to work in InstallShield project files, instead of just standard Windows Installer (.msi) files IsUtil.dll

[ProductDir]\System Limited Edition: Code is used.

Used by the InstallShield IDE to translate project files from XML to MSI

Impact: The About box in InstallShield has an msi2xml copyright notice

PECompact

Version: 2.98.5

Company:

Bitsum Technologies Commercial license, unlimited applications

There are no restrictions to the distribution of compressed applications under this license.

<http://www.bitsum.com/pecompact.shtml>

See appendix Commercial Link Type: Dynamic

Redistributed by Users: Yes

InstallScript run time

InstallScript MSI run time

Compact run time

Basic MSI run time if InstallScript custom actions are used No CODEC plug-in used to compress: pec2codec\_jcalg1.dll

Command line passed into PECompact:

PEC2.exe /CodecHost:pec2codec\_jcalg1.dll N/A Limited Edition: Code not included or used.

The binaries that are compressed with PECompact and installed with InstallShield are:

- ...redist\Language Independent\i386\ISSetup.dll
- ...redist\Language Independent\i386\ISP\ISSetup.dll
- ...redist\Language Independent\i386\ISRT.dll

Those files are distributed at run time for InstallScript, InstallScript MSI, and Compact project, as well as for Basic MSI projects that include InstallScript custom actions.

#### Peexe/Exefile Classes Sample

Version: None

Date: Feb 1997 Peexe/Exefile Classes Sample from Microsoft Systems Journal, Feb 1997. License unknown.

<http://www.microsoft.com/msj/0297/hood/hood0297.aspx>

Open Source Link Type: Static

Redistributed by Users: No

IDE No Scanners, IsAppServices.dll [ProductDir]\System Limited Edition: Code included but not used.

Compiled

Used by the InstallShield IDE for dependency scanning

#### Rogue Wave - Stingray Objective Toolkit Libraries

Version: 6.03 <http://www.roguewave.com/products/stingray.php>

See appendix Commercial Link Type: Static

Redistributed by Users: No

IDE No N/A Statically linked into binaries Limited Edition: Code is used.

Used for UI controls in the InstallShield IDE

#### Scintilla

Version: 3.4.4 <http://scintilla.org/>

See appendix Open Source Link Type: Dynamic

Redistributed by Users: No

IDE No SciLexer.dll [ProductDir]\System Limited Edition: Code included but not used.

Used in the InstallShield Premier and Professional IDE by the script editors (InstallScript, SQL, VBScript, JScript), and

InstallScript Debugger. Also used in the InstallShield Premier, Professional, and Express IDE by the Output window.

Impact: The About box in InstallShield has a Scintilla copyright notice, permission, and disclaimer.

#### The Code Project

Version: None

See appendix

<http://www.codeproject.com/miscctrl/hyperlink.asp>

Open Source Link Type: Static

Redistributed by Users: No

IDE No FrmwrkLib.dll, IStools.dll [ProductDir]\System Limited Edition: Code included but not used.

Used for the hyperlink dialog control in the InstallShield IDE

#### VMware ThinApp libraries

Version: 1.2.0 Obtained directly from VMware as part of our partner relationship Commercial InstallShield, Virtual Converter No

ThinstallManageApi.dll [ProductDir]\System Limited Edition: Code not included or used.

#### zlib 1.2.3

Version: 1.2.3 See appendix Free Link Type: Static

Redistributed by Users: Yes

IDE

Basic MSI run time

InstallScript run time

InstallScript MSI run time

Express run time

Suite/Advanced UI run time

Advanced UI run time No Statically linked into binaries Limited Edition: Code is used.

General-purpose compression library for InstallScript .cab files; used by the InstallShield IDE at build time to compress files into

Setup.exe and ISSetup.dll, and used by installations created with InstallShield at run time to decompress files.

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This appendix contains licensing information for the following:

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#### Exhibit A

CMAx20.DLL - The 32-bit DLL for the control

CMAx20.OcX - The 32-bit ActiveX control

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## MiniZip

MiniZip - Copyright (c) 1998-2010 - by Gilles Vollant - version 1.1 64 bits from Mathias Svensson

## Introduction

-----  
MiniZip 1.1 is built from MiniZip 1.0 by Gilles Vollant ( <http://www.winimage.com/zLibDll/minizip.html> )

When adding ZIP64 support into minizip it would result into risk of breaking compatibility with minizip 1.0.  
All possible work was done for compatibility.

## Background

-----  
When adding ZIP64 support Mathias Svensson found that Even Rouault have added ZIP64 support for unzip.c into minizip for a open source project called gdal ( <http://www.gdal.org/> )

That was used as a starting point. And after that ZIP64 support was added to zip.c some refactoring and code cleanup was also done.

## Changed from MiniZip 1.0 to MiniZip 1.1

- 
- \* Added ZIP64 support for unzip ( by Even Rouault )
  - \* Added ZIP64 support for zip ( by Mathias Svensson )
  - \* Reverted some changed that Even Rouault did.
  - \* Bunch of patches received from Gullés Vollant that he received for MiniZip from various users.
  - \* Added unzip patch for BZIP Compression method (patch create by Daniel Borca)
  - \* Added BZIP Compress method for zip
  - \* Did some refactoring and code cleanup

## Credits

Gilles Vollant - Original MiniZip author  
Even Rouault - ZIP64 unzip Support  
Daniel Borca - BZip Compression method support in unzip  
Mathias Svensson - ZIP64 zip support  
Mathias Svensson - BZip Compression method support in zip

## Resources

ZipLayout <http://result42.com/projects/ZipFileLayout>  
Command line tool for Windows that shows the layout and information of the headers in a zip archive.  
Used when debugging and validating the creation of zip files using MiniZip64

ZIP App Note <http://www.pkware.com/documents/casestudies/APPNOTE.TXT>  
Zip File specification

Notes.

\* To be able to use BZip compression method in zip64.c or unzip64.c the BZIP2 lib is needed and HAVE\_BZIP2 need to be defined.

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zlib Data Compression Library

zlib 1.2.3 is a general purpose data compression library. All the code is thread safe. The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://www.ietf.org/rfc/rfc1950.txt> (zlib format), [rfc1951.txt](http://www.ietf.org/rfc/rfc1951.txt) (deflate format) and [rfc1952.txt](http://www.ietf.org/rfc/rfc1952.txt) (gzip format). These documents are also available in other formats from <ftp://ftp.uu.net/graphics/png/documents/zlib/zdoc-index.html>

All functions of the compression library are documented in the file `zlib.h` (volunteer to write man pages welcome, contact [zlib@gzip.org](mailto:zlib@gzip.org)). A usage example of the library is given in the file `example.c` which also tests that the library is working correctly. Another example is given in the file `minigzip.c`. The compression library itself is composed of all source files except `example.c` and `minigzip.c`.

To compile all files and run the test program, follow the instructions given at the top of `Makefile`. In short "make test; make install" should work for most machines. For Unix: `./configure; make test; make install`. For MSDOS, use one of the special makefiles such as `Makefile.msc`. For VMS, use `make_vms.com`.

Questions about zlib should be sent to [zlib@gzip.org](mailto:zlib@gzip.org), or to Gilles Vollant for the Windows DLL version. The zlib home page is <http://www.zlib.org> or <http://www.gzip.org/zlib/> Before reporting a problem, please check this site to verify that you have the latest version of zlib; otherwise get the latest version and check whether the problem still exists or not.

PLEASE read the zlib FAQ [http://www.gzip.org/zlib/zlib\\_faq.html](http://www.gzip.org/zlib/zlib_faq.html) before asking for help.

Mark Nelson wrote an article about zlib for the Jan. 1997 issue of Dr. Dobb's Journal; a copy of the article is available in <http://dogma.net/markn/articles/zlibtool/zlibtool.htm>

The changes made in version 1.2.3 are documented in the file `ChangeLog`.

Unsupported third party contributions are provided in directory "contrib".

A Java implementation of zlib is available in the Java Development Kit <http://java.sun.com/j2se/1.4.2/docs/api/java/util/zip/package-summary.html> See the zlib home page <http://www.zlib.org> for details.

A Perl interface to zlib written by Paul Marquess is in the CPAN (Comprehensive Perl Archive Network) sites  
<http://www.cpan.org/modules/by-module/Compress/>

A Python interface to zlib written by A.M. Kuchling is available in Python 1.5 and later versions, see  
<http://www.python.org/doc/lib/module-zlib.html>

A zlib binding for TCL written by Andreas Kupries is available at [http://www.oche.de/~akupries/soft/trf/trf\\_zip.html](http://www.oche.de/~akupries/soft/trf/trf_zip.html)

An experimental package to read and write files in .zip format, written on top of zlib by Gilles Vollant , is available in the contrib/minizip directory of zlib.

Notes for some targets:

- For Windows DLL versions, please see win32/DLL\_FAQ.txt
- For 64-bit Irix, deflate.c must be compiled without any optimization. With -O, one libpng test fails. The test works in 32 bit mode (with the -n32 compiler flag). The compiler bug has been reported to SGI.
- zlib doesn't work with gcc 2.6.3 on a DEC 3000/300LX under OSF/1 2.1 it works when compiled with cc.
- On Digital Unix 4.0D (formely OSF/1) on AlphaServer, the cc option -std1 is necessary to get gzprintf working correctly. This is done by configure.
- zlib doesn't work on HP-UX 9.05 with some versions of /bin/cc. It works with other compilers. Use "make test" to check your compiler.
- gzdopen is not supported on RISCOS, BEOS and by some Mac compilers.
- For PalmOs, see <http://palmzlib.sourceforge.net/>
- When building a shared, i.e. dynamic library on Mac OS X, the library must be installed before testing (do "make install" before "make test"), since the library location is specified in the library.

Acknowledgments:

The deflate format used by zlib was defined by Phil Katz. The deflate and zlib specifications were written by L. Peter Deutsch. Thanks to all the people who reported problems and suggested various improvements in zlib; they are too numerous to cite here.

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

If you use the zlib library in a product, we would appreciate \*not\* receiving lengthy legal documents to sign. The sources are provided for free but without warranty of any kind. The library has been entirely written by Jean-loup Gailly and Mark Adler; it does not include third-party code.

If you redistribute modified sources, we would appreciate that you include in the file ChangeLog history information documenting your changes. Please read the FAQ for more information on the distribution of modified source versions.

#### Windows SDK Addendum

to the Master Agreement (Windows 7 SDK)

This Addendum forms part of and incorporates by reference the Microsoft Development Technologies Master Agreement (the "Master Agreement") signed by Microsoft Corporation or its affiliate ("us") and "you," the entity signing below.

1. ENROLLMENT. After you sign and return this Addendum to us, we will notify you if we accept it. The effective date of this Addendum will be the date specified in our acceptance notice.

2. ADDITIONAL DEFINITIONS. In addition to the definitions in the Master Agreement, the following definitions apply:

2.1 "Eligible Products" means your software development tools and products that:

(a) are listed on Exhibit A; and

(b) run on one or more Microsoft Platforms; and

(c) use the compiler(s) contained in the SDK solely as an intermediate language (that is, the output of our compilers are then inputted into the build-tool portions of your Eligible Product to be further compiled into an executable that runs on a Microsoft Platform) and not, for example, directly to your end users for its standalone compiler purposes.

2.2 "SDK Files" means one or more of the Windows Software Development Kit .ISO files listed in Exhibit B, and any updates we provide you from time to time under this Addendum. SDK Files will be deemed "Software" and "Distributable Code" for purposes of the Master Agreement.

2.3 "Microsoft Platforms" means any current and future Microsoft operating system products, Microsoft run-time technologies (such as the .NET Framework), and Microsoft application platforms (such as Microsoft Office or Microsoft Dynamics) that we offer during the Term.

#### 3. SOFTWARE TERMS.

3.1 Delivery. We will deliver the SDK Files to you promptly after the effective date of this Addendum.

3.2 Specific License Rights. If you comply with Sections 4.2 and 4.3 of the Master Agreement and Section 4 below, then, in lieu of the rights granted in Sections 3.1 and 4.1 of the Master Agreement, your rights to the SDK Files are as follows:

(a) You may copy and distribute, in conjunction with your Eligible Products, one or more of the SDK Files in their entirety (i.e., you may not distribute individual files contained within the SDK Files).

(b) For any pre-release versions of SDK Files, however, the license terms with those versions and Section 3.2 of the Master Agreement will apply.

3.3 Specific Restrictions. The restrictions and other provisions relating to Software in the Master Agreement apply to the SDK Files. The following restrictions also apply:

(a) Obligation to Update. We may provide you with bug fixes, service packs, or enhanced features or other improvements for SDK ("Updates"), including new or successor versions of individual components within SDK Files (e.g., "VS7 linker" would not be deemed an "Update" to "VS6 linker"). You will incorporate Updates into, or distribute them for use with, existing and future versions of Eligible Products within 180 days of our providing them to you; provided, however, that if such Updates are not critical or security-related, as described by us, then you need only exercise commercially reasonable efforts to so incorporate such Updates.

(b) Microsoft Platforms.

(i) Platform Use. You will not distribute SDK Files to run on a platform other than a Microsoft Platform.

(ii) Platform Targeting. You and your end users may not use SDK to create programs, object code, libraries, assemblies, or executables to run on a platform other than Microsoft Platforms.

(c) No Breaking Our Products.

(i) SDK Files may contain certain software files that we include with other Microsoft products such as Microsoft software development kits and the Microsoft Visual Studio® line of products (the "Related Microsoft Products"). You will design and test the installation, uninstallation, repair, and maintenance setup and processes for Eligible Products that include SDK Files to ensure that such setup and processes do not disable any features or adversely affect any functionality of any Related Microsoft Products (a "Breakage").

(ii) You will notify us in writing immediately if you discover any Breakage. If we learn or have a reason to suspect a Breakage, we may notify you in writing, at which point you will take commercially reasonable efforts to investigate the problem. You will correct any Breakage to our satisfaction within 30 days after you discover the Breakage or we provide notice to you of the Breakage, as the case may be. Upon our request from time to time, you will provide us with a copy of the Eligible Product at no charge for the purpose of investigating a possible Breakage.

(d) End User License Terms and Distribution Rights. In addition to your obligations under the paragraph entitled "Pass-Thru Terms" in Section 4.2 of the Master Agreement, to the extent that the SDK Files come with their own end user license terms, you may not remove those terms without our prior written consent but instead will present them to end users of your Eligible Products that include the SDK Files. You will provide the end users a reasonable opportunity to review and reject such end user license terms. In addition, end users of your Eligible Products may only distribute those portions of the SDK Files designated as distributable in the end user license terms accompanying the SDK Files, and only in the manner and pursuant to the limitations designated in those license terms.

4. LICENSE FEES. You will pay us the license fees, if any, specified in Exhibit A. You will submit payments to us in the manner indicated on our invoices.

5. SURVIVAL. The following terms in this Addendum will survive any expiration or other termination of this Addendum: All definitions and Sections 4 and 5. In addition, your obligations under Section 3.3(c)(ii) for each Eligible Product will survive for one year after termination of your right to distribute that Eligible Product. In addition to the rights specified in Section 17.4 of the Master Agreement, unless we terminate the Master Agreement or this Addendum for your material breach, you may, for a period of 1 year after expiration or other termination of the Master Agreement or this Addendum (whichever occurs first), continue to reproduce and distribute the SDK Files, in accordance with this Addendum, with Eligible Products that were distributed by you during the term of the Master Agreement or this Addendum, provided you pay the license fee specified in Section 4 above for this additional period and comply with any restrictions, limitations or conditions that would have been applicable to your exercise of such rights but for such expiration or termination. You will not, however, distribute or bundle SDK Files with any Eligible Product released by you after the expiration or termination of the Master Agreement or this Addendum.

THE MICROSOFT ENTITY SIGNING THE MASTER AGREEMENT:

Entity name: \_\_\_\_\_

Signature: \_\_\_\_\_

Printed name: \_\_\_\_\_

Date: \_\_\_\_\_ YOU:

Entity name: \_\_\_\_\_

Signature: \_\_\_\_\_

Printed name: \_\_\_\_\_

Date: \_\_\_\_\_

EXHIBIT A

DESCRIPTION OF ELIGIBLE PRODUCT

1. Eligible Products:

Eligible Product Name Version Number Description

- Describe the general product and target market segment for the Eligible Product. Include public URLs for more information if available.
- Is this a new product or is this based on a previous product family? If so which one?
- List all the platforms this product will target.
- List all the platforms the SDK will be used specifically to target.
- Describe the features of the product that will use the compiler technologies and what those features offer your customers.
- Describe how the features above will use and interact with the compiler and or other technologies in the SDK.

2. License Fees:

2.1 Fees. You will pay us an annual license fee of U.S. \$10,000 for each Contract Year for the right to directly or indirectly distribute SDK Files in conjunction with Eligible Products. ("Contract Years" will be one-year periods measured from the effective date of this Addendum or any anniversary thereof.)

2.2 Fee Waiver. We will waive your payment obligation above for a Contract Year if:

- you and we have also entered into any of the following Addenda to the Master Agreement: the Build Tools Addendum; the MFC, ATL, and CRT Runtimes Addendum; the MSDN Documentation Addendum; or the Windows Headers and Libraries Addendum; and
- you have paid an annual \$10,000 license fee under any of the above Addenda for the same Contract Year; provided that you have made all other payments required under the Master Agreement.

EXHIBIT B

LIST OF SDK FILES

The SDK Files consists of the following files:

- GRMSDK\_EN\_DVD.iso
- GRMSDKX\_EN\_DVD.iso
- GRMSDKIAI\_EN\_DVD.iso

***GCC Runtime Library Exception 3.1 to GPL 3.0***

(GCC C++ / libstdc++)

GCC Runtime Library Exception 3.1 to GPL 3.0

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Version 3.1, 31 March 2009

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This GCC Runtime Library Exception ("Exception") is an additional permission under section 7 of the GNU General Public License, version 3 ("GPLv3"). It applies to a given file (the "Runtime Library") that bears a notice placed by the copyright holder of the file stating that the file is governed by GPLv3 along with this Exception.



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.

## 1. 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.

## 2. Grant of Additional Permission.

You have permission to propagate a work of Target Code formed by combining the Runtime Library with Independent Modules, even if such propagation would otherwise violate the terms of GPLv3, provided that all Target Code was generated by Eligible Compilation Processes. You may then convey such a combination under terms of your choice, consistent with the licensing of the Independent Modules.

### 3. No Weakening of GCC Copyleft.

The availability of this Exception does not imply any general presumption that third-party software is unaffected by the copyleft requirements of the license of GCC.

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Version 3, 29 June 2007

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Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable.

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Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

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

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

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

\* 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.

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

\* d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object

code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

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

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"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

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

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

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(libgcrypt 1.7.3)

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

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

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

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

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

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

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

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

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

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

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

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

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Version 2.1, February 1999

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

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

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(commandlineparser/commandline v1.9.71.2)

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(bootstrap-select 1.13.9)

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(flask-swaggerui 0.0.1)

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(angular-route 1.5.8)

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(gherkin 17.0.1)

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(Bootstrap 3 DatePicker 3.1.2)

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(rapidjson 1.1.0)

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USA

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licensed under the GNU Lesser General Public License.

1. .NET Compiler Platform ("Roslyn") (<https://github.com/dotnet/roslyn>)
2. 7-Zip (<http://www.7-zip.org/>)
3. abbrev.js (<https://github.com/isaacs/abbrev-js>)
4. acorn (<https://github.com/ternjs/acorn>)
5. Acorn (and other files)
6. acorn-jsx (<https://github.com/RReverser/acorn-jsx>)

7. acorn-to-esprima (<https://github.com/babel/acorn-to-esprima>)

8. Active Directory Authentication Library (ADAL) for .NET (<https://github.com/AzureAD/azure-activedirectory-library-for-dotnet>)

9. ActiveState cookbook recipe "Remove duplicates from a sequence"

10. Adrian Mato Gondelle (<http://yensdesign.com/2008/09/how-to-create-a-stunning-and-smooth-popup-using-jquery/>)

11. agent-base (<https://github.com/TooTallNate/node-agent-base>)

12. Alexander Chemeris' ISO C9x compliant inttypes.h for Microsoft Visual Studio (<http://code.google.com/p/msinttypes/>)

13. align-text (<https://github.com/jonschlinkert/align-text>)

14. alter (<https://github.com/olov/alter>)

15. amdefine (<https://github.com/jrburke/amdefine/>)

Includes: require-cs (<https://github.com/requirejs/require-cs>)

16. Anaconda packages (<https://repo.anaconda.com/pkg/>)

Includes: asn1crypto

Includes: bzip2

Includes: ca-certificates

Includes: certifi

Includes: cffi

Includes: chardet

Includes: conda

Includes: Conda (4.7.10)

Includes: conda-env

Includes: conda-package-handling

Includes: console\_shortcut

Includes: cryptography

Includes: idna

Includes: libarchive

Includes: libiconv

Includes: libxml2

Includes: lz4

Includes: lzo

Includes: menuinst

Includes: openssl

Includes: pip

Includes: powershell\_shortcut

Includes: pycosat

Includes: pycparser

Includes: pyopenssl

Includes: pysocks

Includes: python

Includes: python-libarchive-c

Includes: pywin32

Includes: requests

Includes: ruamel\_yaml

Includes: setuptools

Includes: six

Includes: sqlite

Includes: tqdm

Includes: urllib3

Includes: vc



Includes: wheel  
Includes: wincertstore  
Includes: win\_inet\_pton  
Includes: xz  
Includes: yaml  
Includes: zlib  
Includes: zstd  
17. Anaconda Python (<https://www.anaconda.com/>)  
18. analysis-smartcn  
(<https://github.com/elastic/elasticsearch/tree/master/plugins/analysis-smartcn>)  
19. Android dirname\_r  
([https://android.googlesource.com/platform/bionic/+android-4.0.3\\_r1.1/libc/bionic/dirname\\_r.c](https://android.googlesource.com/platform/bionic/+android-4.0.3_r1.1/libc/bionic/dirname_r.c))  
20. Android native\_app\_glue  
21. Android Open Source Project files licensed under EPL v1  
22. Android Studio (<https://source.android.com/>)  
Includes: Android Cookbook recipe "Handling the Nuances of strings.xml"  
Includes: CSVReader.java  
23. AndroidSupportComponents (<https://github.com/xamarin/AndroidSupportComponents>)  
24. AngularJS Intellisense (<https://github.com/jmbledsoe/angularjs-visualstudio-intellisense>)  
25. AngularJS logo (unmodified) (<https://github.com/angular/angular.js>)  
26. ansi (<https://github.com/TooTallNate/ansi.js>)  
27. ansicolors (<https://github.com/thlorenz/ansicolors>)  
28. ansi-escapes (<https://github.com/sindresorhus/ansi-escapes>)  
29. ansi-regex (<https://github.com/sindresorhus/ansi-regex>)  
30. ansistyles (<https://github.com/thlorenz/ansistyles>)  
31. ansi-styles (<https://github.com/chalk/ansi-styles>)  
32. Anti-Grain Geometry (<http://antigrain.com/license/index.html#toc0002>)  
33. ANTLR (<http://www.antlr.org/>)  
Includes: ANTLR v3  
Includes: ANTLR v4  
34. antlr4cs (<https://github.com/tunnelvisionlabs/antlr4cs>)  
35. Apache Ant (<https://ant.apache.org/index.html>)  
Includes: File with code from bzip2  
Includes: File with code from Info-ZIP  
36. Apache Camel (<https://github.com/apache/camel>)  
37. Apache Hive (<https://hive.apache.org>)  
38. Apache log4net (<https://logging.apache.org/log4net/>)  
39. Apache Lucene (<http://lucene.apache.org/core/>)  
40. Apache Qpid (<http://qpid.apache.org/>)  
41. Apache Thrift (<https://thrift.apache.org/>)  
42. ApplicationInsights-node.js (<https://github.com/Microsoft/ApplicationInsights-node.js>)  
43. aproba (<https://github.com/iarna/aproba>)  
44. Archiver (<https://github.com/archiverjs/node-archiver>)  
45. archiver-utils (<https://github.com/archiverjs/archiver-utils>)  
46. archy (<https://github.com/substack/node-archy>)  
47. are-we-there-yet (<https://github.com/iarna/are-we-there-yet>)  
48. argparse (<https://github.com/nodeca/argparse>)  
49. array-filter (<https://github.com/juliangruber/array-filter>)  
50. array-index (<https://github.com/TooTallNate/array-index>)  
51. array-map (<https://github.com/substack/array-map>)  
52. array-reduce (<https://github.com/substack/array-reduce>)  
53. array-union (<https://github.com/sindresorhus/array-union>)

- 54. array-uniq (<https://github.com/sindresorhus/array-uniq>)
- 55. arrify (<https://github.com/sindresorhus/arrify>)
- 56. artifact-engine (artifact-engine)
- 57. asap (<https://github.com/kriskowal/asap>)
- 58. ASM (<https://www.ow2.org/>)
- 59. asm-analysis (<https://www.ow2.org/>)
- 60. ASMJS Validator (<https://hg.mozilla.org/integration/mozilla-inbound/rev/100721f9718f>)
- 61. asm-tree (<https://www.ow2.org/>)
- 62. asn1 (<https://github.com/mcavage/node-asn1>)
- 63. ASP.NET (<http://www.asp.net/>)
- Includes: ASP.NET Core (<https://github.com/aspnet/AspNetCore>)
- Includes: SignalR (<https://github.com/SignalR/SignalR>)
- Includes: Web Stack Components (MVC) (<https://github.com/aspnet/AspNetWebStack>)
- Includes: Web Stack Components (WebAPI) (<https://github.com/aspnet/AspNetWebStack>)
- Includes: Web Stack Components (Web Pages) (<https://github.com/aspnet/AspNetWebStack>)
- Includes: Caching (<https://github.com/aspnet/Caching>)
- Includes: Common (<https://github.com/aspnet/Common>)
- Includes: Configuration (<https://github.com/aspnet/Configuration>)
- Includes: CORS (<https://github.com/aspnet/CORS>)
- Includes: DataCommon.SQLite (<https://github.com/aspnet/Microsoft.Data.Sqlite>)
- Includes: DataProtection (<https://github.com/aspnet/DataProtection>)
- Includes: DependencyInjection (<https://github.com/aspnet/DependencyInjection>)
- Includes: Diagnostics (<https://github.com/aspnet/Diagnostics>)
- Includes: dnvm (<https://github.com/aspnet/dnvm>)
- Includes: dnx (<https://github.com/aspnet/dnx>)
- Includes: Entropy (<https://github.com/aspnet/Entropy>)
- Includes: FileSystem (<https://github.com/aspnet/FileSystem>)
- Includes: Hosting (<https://github.com/aspnet/Hosting>)
- Includes: HttpAbstractions (<https://github.com/aspnet/HttpAbstractions>)
- Includes: HttpClient (<https://github.com/aspnet/HttpClient>)
- Includes: Identity (<https://github.com/aspnet/Identity>)
- Includes: jquery-ajax-unobtrusive (<https://github.com/aspnet/jquery-ajax-unobtrusive>)
- Includes: jquery-validation-unobtrusive (<https://github.com/aspnet/jquery-validation-unobtrusive>)
- Includes: KestrelHttpServer (<https://github.com/aspnet/KestrelHttpServer>)
- Includes: Logging (<https://github.com/aspnet/Logging>)
- Includes: Options (<https://github.com/aspnet/Options>)
- Includes: Razor (<https://github.com/aspnet/Razor>)
- Includes: Routing (<https://github.com/aspnet/Routing>)
- Includes: Scaffolding (<https://github.com/aspnet/Scaffolding>)
- Includes: Security (<https://github.com/aspnet/Security>)
- Includes: Session (<https://github.com/aspnet/Session>)
- Includes: Signing (<https://github.com/aspnet/Signing>)
- Includes: StaticFiles (<https://github.com/aspnet/StaticFiles>)
- Includes: Testing (<https://github.com/aspnet/Testing>)
- Includes: UserSecrets (<https://github.com/aspnet/UserSecrets>)
- Includes: vsweb-publish (<https://github.com/aspnet/vsweb-publish>)
- Includes: WebSocketAbstractions (<https://github.com/aspnet/WebSocketAbstractions>)
- Includes: WebSockets (<https://github.com/aspnet/WebSockets>)
- 64. assert-plus (<https://github.com/mcavage/node-assert-plus>)
- 65. ast-traverse (<https://github.com/olov/ast-traverse>)
- 66. ast-types (<https://github.com/benjamn/ast-types>.)
- 67. async (<https://github.com/caolan/async>)

- 68. async-some (<https://github.com/othiy23/async-some>)
- 69. Attractive Chaos' h.h (<https://github.com/attractivechaos/klib/blob/master/khash.h>)
- 70. Autogrow Textarea Plugin (<https://github.com/jevin/Autogrow-Textarea>)
- 71. AutoRest (<https://github.com/Azure/autorest>)
- 72. aws4 (<https://github.com/mhart/aws4>)
- 73. aws-sign2 (<https://github.com/request/aws-sign>)
- 74. axios (<https://github.com/mzabriskie/axios>)
- 75. axon (<https://github.com/visionmedia/axon>)
- 76. Azure Key Vault (<https://github.com/Azure/AutoRest>)
- 77. azure-storage-net (<https://github.com/Azure/azure-storage-net>)
- 78. azure-storage-net-data-movement (<https://github.com/Azure/azure-storage-net-data-movement>)
- 79. Babel (Babylon) (<https://github.com/babel/babel/>)
- 80. Babel-eslint (<https://github.com/babel/babel-eslint/>)
- 81. babel-plugin-constant-folding (<https://www.npmjs.com/package/babel-plugin-constant-folding>)
- 82. babel-sublime (<https://github.com/babel/babel-sublime>)
- Includes: get-stdin
- 83. balanced-match (<https://github.com/juliangruber/balanced-match>)
- 84. Batch File (Sublime Packages) (<https://github.com/sublimehq/Packages>)
- 85. Beautify-html.js (<https://github.com/einars/js-beautify>)
- 86. BERKELEY YACC (<http://dickey.his.com/byacc/byacc.html>)
- 87. binary (<https://github.com/substack/node-binary>)
- 88. binutils (<https://www.gnu.org/software/binutils>)
- Includes: amd64-match.S
- Includes: libffi
- 89. bl (Buffer List) (<https://github.com/rvagg/bl>)
- 90. block-stream (<https://github.com/isaacs/block-stream>)
- 91. bluebird (<http://github.com/petkaantonov/bluebird>)
- 92. Boehm-Demers-Weiser conservative garbage collector  
(<https://github.com/mono/mono/tree/master/libgc/include>)
- 93. boom (<https://github.com/hapijs/boom>)
- 94. Boost (<http://www.boost.org/>)
- 95. Boost Test Library (<http://boost.sourceforge.net/libs/test/doc/index.html>)
- 96. Boost Unit Test Adapter (<https://github.com/etas/vs-boost-unit-test-adapter>)
- 97. bootstrap (<https://github.com/twbs/bootstrap>)
- 98. Bootstrap (verion 3.0.0) (<http://nuget.org/packages/Twitter.Bootstrap>)
- 99. bootstrap-touch-carousel (<https://github.com/ixisio/bootstrap-touch-carousel>)
- 100. BoringSSL (<https://github.com/mono/boringssl>)
- 101. Bouncy Castle (<https://www.bouncycastle.org/csharp/>)
- Includes: Implementation of the OCB Authenticated-Encryption Algorithm  
(<https://tools.ietf.org/html/rfc7253>)
- Includes: JZLib (<http://www.jcraft.com/jzlib>)
- Includes: secp256k1 (<https://github.com/bitcoin-core/secp256k1>)
- 102. Bouncy Castle JCE (<http://www.bouncycastle.org/viewcvs/viewcvs.cgi/java/crypto/>)
- 103. Bower (<https://github.com/bower/bower>)
- 104. bower-config (<https://github.com/bower/config>)
- 105. bower-endpoint-parser (<https://github.com/bower/endpoint-parser>)
- 106. bower-json (<https://github.com/bower/json>)
- 107. bower-logger (<https://github.com/bower/logger>)
- 108. bower-registry-client (<https://github.com/bower/registry-client>)
- 109. brace-expansion (<https://github.com/juliangruber/brace-expansion>)
- 110. breakable (<https://github.com/olov/breakable>)
- 111. browserkeymap (<https://github.com/marijnh/browserkeymap>)

112. BSD fnmatch (<http://opensource.apple.com/source/gcc/gcc-5666.3/libiberty/bsearch.c>)

113. BSD glibc bsearch (<http://www.gnu.org/software/libc/download.html>)

114. buddy.js (<https://github.com/danielstjules/buddy.js>)

115. buffer-crc32 (<https://github.com/brianloveswords/buffer-crc32>)

116. buffer-equal-constant-time (<https://github.com/salesforce/buffer-equal-constant-time>)

117. buffers (<https://github.com/substack/node-buffers>)

118. buffers (DefinitelyTyped) (<https://github.com/DefinitelyTyped/DefinitelyTyped/tree/master/buffers>)

119. buffer-shims (<https://github.com/calvinmetcalf/buffer-shims>)

120. builtin-modules (<https://github.com/sindresorhus/builtin-modules>)

121. builtins (<https://github.com/juliangruber/builtins>)

122. C++ Standard Library (<https://github.com/Microsoft/stl>)

123. camelcase (<https://github.com/sindresorhus/camelcase>)

124. Camellia (<http://www.openssl.org/~appro/camellia/>)

125. capture-stack-trace (<https://github.com/floatdrop/capture-stack-trace>)

126. cardinal (<https://github.com/thlorenz/cardinal/>)

127. c-ares (<http://c-ares.haxx.se>)

128. caseless (<https://github.com/request/caseless/>)

129. cctools

130. cecil (<https://github.com/jbevain/cecil/>)

Includes: cci

Includes: CryptoConvert.cs

Includes: Files copyright Juerg Billeter

Includes: Files copyright Microsoft

Includes: Files copyright Novell, Inc.

Includes: Files copyright Ximian, Inc.

Includes: Files copyright Ximian, Inc. and Xamarin Inc

131. center-align (<https://github.com/jonschlinkert/center-align>)

132. cfe (<https://llvm.org/>)

Includes: unicode.org code

133. CF-Lite

134. CFStreamAbstract.h

135. chainsaw (<https://github.com/substack/node-chainsaw>)

136. chalk (<https://github.com/chalk/chalk>)

137. chmodr (<https://github.com/isaacs/chmodr>)

138. chownr (<https://github.com/isaacs/chownr>)

139. Chris Swenson's sorting routine implementations (<https://github.com/swenson/sort>)

140. Chromium (<https://www.chromium.org/Home>)

141. ch-siphhash (<https://github.com/tanglebones/ch-siphhash>)

142. cityhash (<https://github.com/google/cityhash>)

143. Clang (<http://llvm.org/releases/download.html>)

Includes: unicode.org code

144. clang-tools-extra (<https://llvm.org/>)

145. CLAP.dll (<http://adrianaisemberg.github.io/CLAP/#what>)

146. cli-cursor (<https://github.com/sindresorhus/cli-cursor>)

147. Clide (<https://github.com/clariuslabs/clide>)

148. cliui (<https://github.com/bcoe/cliui>)

149. cli-width (<https://github.com/knownasilya/cli-width>)

150. Clojure (<https://github.com/mmcgrana/textmate-clojure>)

151. clone (<https://github.com/pvorb/node-clone>)

152. CLR Instrumentation Engine (<https://github.com/Microsoft/CLRInstrumentationEngine>)

153. CMake (daemon mode) (<https://github.com/steveire/CMake/tree/cmake-daemon>)

Includes: Add/Remove\_Functionality

154. CMake (<https://github.com/Kitware/CMake/>)  
Includes: Add/Remove\_Functionality  
Includes: cfmakeraw for Solaris  
Includes: Files copyright Fredrik Ehnbohm  
Includes: GitHub Gist  
Includes: NSIS  
Includes: RFC 1321  
Includes: RFC 3174  
Includes: vs-setup-samples

155. CMake For VisualStudio Code TextMate grammar files (<https://github.com/twxs/vs.language.cmake/>)

156. cmd-shim (<https://github.com/ForbesLindesay/cmd-shim>)

157. CNNICHashWhitelist.inc

158. CodePoint (<https://github.com/mathiasbynens/String.fromCodePoint>)

159. code-point-at (<https://github.com/sindresorhus/code-point-at>)

160. code-prettify (<https://github.com/google/code-prettify>)

161. Coffeelint (<https://github.com/clutchski/coffeelint>)

162. CoffeeScript (<https://github.com/jashkenas/coffeescript>)

163. columnify (<https://github.com/timoxley/columnify>)

164. combined-stream (<https://github.com/felixge/node-combined-stream>)

165. Command Line Parser Library (<http://commandline.codeplex.com>)

166. commander (<https://github.com/tj/commander.js>)

167. commoner (<https://github.com/reactjs/commoner>)

168. CommonServiceLocator (<http://commonservicelocator.codeplex.com/>)

169. compress-commons (<https://github.com/archiverjs/node-compress-commons>)

170. concat-map (<https://github.com/substack/node-concat-map>)

171. concat-stream (<https://github.com/maxogden/concat-stream>)

172. config-chain (<http://github.com/dominictarr/config-chain>)

173. configstore (<https://github.com/yeoman/configstore>)

174. convert-source-map (<https://github.com/thlorenz/convert-source-map>)

175. copy-to-clipboard (<https://github.com/sudodoki/copy-to-clipboard>)

176. coreclr (<https://github.com/mazong1123/coreclr/>)

177. CoreFX (<https://github.com/dotnet/corefx>)

178. corefxlab (<https://github.com/dotnet/corefxlab>)

179. core-js (<https://github.com/zloirock/core-js>)

180. core-util-is (<https://github.com/isaacs/core-util-is>)

181. coverlet (<https://github.com/tonerdo/coverlet>)

182. Crc32-stream (<https://github.com/archiverjs/node-crc32-stream>)

183. create-error-class (<https://github.com/floatdrop/create-error-class/>)

184. cryptiles (<https://github.com/hapijs/cryptiles>)

185. csharp (omnisharp-vscode) (<https://github.com/omniSharp/omnisharp-vscode>)

186. CSSLint (<https://github.com/CSSLint/csslint>)

187. Ctt (<https://ctt.codeplex.com>)

188. ctype (<https://github.com/rmustacc/node-ctype>)

189. cURL (<https://curl.haxx.se>)

190. d (<https://github.com/medikoo/d>)

191. D3.js (<http://d3js.org/>)

192. Daniel Cazzulino (<https://web.archive.org/web/20080503122031/http://www.clariusconsulting.net/blogs/kzu/archive/2008/03/10/58301.aspx>)

193. DataJS (<http://datajs.codeplex.com/>)

194. Datejs version 1.0 Alpha-1 (<http://www.datejs.com/>)

195. debug (<https://github.com/visionmedia/debug>)

196. debuglog (<https://github.com/sam-github/node-debuglog>)

197. decamelize (<https://github.com/sindresorhus/decamelize>)

198. decompress-zip (<https://github.com/bower/decompress-zip>)

199. deep-eql (<https://github.com/chaijs/deep-eql>)

200. deep-extend (<https://github.com/unclechu/node-deep-extend/>)

201. deep-is (<https://github.com/thlorenz/deep-is>)

202. deepmerge (<https://github.com/KyleAMathews/deepmerge>)

203. defaults (<https://github.com/tmpvar/defaults>)

204. defined (<https://github.com/substack/defined>)

205. DefinitelyTyped (definitions) (<https://github.com/borisyankov/DefinitelyTyped>)

206. DefinitelyTyped react-copy-to-clipboard (<https://github.com/DefinitelyTyped/DefinitelyTyped>)

207. defs (<https://github.com/olov/defs>)

208. del (<https://github.com/sindresorhus/del>)

209. delayed-stream (<https://github.com/felixge/node-delayed-stream>)

210. delegates (<https://github.com/visionmedia/node-delegates>)

211. destroy (<https://github.com/stream-utils/destroy>)

212. detect-indent (<https://github.com/sindresorhus/detect-indent>)

213. detective (<https://github.com/substack/node-detective>)

214. dezaigo (<https://github.com/npm/dezaigo>)

215. DocBook XSL stylesheets

216. Dockerfile.tmlanguage

217. doctrine (<https://github.com/eslint/doctrine>)

218. Document Object Model (<https://www.w3.org/DOM/>)

219. DOMPurify (<https://github.com/cure53/DOMPurify>)

220. DotNetOpenAuth (<http://www.dotnetopenauth.net/>)

221. DotNetZip (<http://dotnetzip.codeplex.com/>)

222. dtl (<https://github.com/cubicdaiya/dtl>)

223. duplexify (<https://github.com/mafintosh/duplexify>)

224. ecc-jsbn (<https://github.com/quartzjer/ecc-jsbn>)

Includes: jsbn; jsbn-ec-point-compression

225. ECMAScript 5 Shims  
([https://developer.mozilla.org/en-US/docs/JavaScript/Reference/Global\\_Objects/Array/filter](https://developer.mozilla.org/en-US/docs/JavaScript/Reference/Global_Objects/Array/filter))

226. editor (<https://github.com/substack/node-editor>)

227. Elasticsearch (<https://github.com/elastic/elasticsearch>)

Includes: Apache Lucene Java

Includes: Apache Lucene Solr

Includes: Coda Hale's metrics

Includes: Google Guava

Includes: Google Guice

Includes: Javolution UTF8ByteBufferWriter.java

Includes: jsr292-cookbook

Includes: Netty

Includes: netty-http-pipelining

Includes: Spring Framework

228. elasticsearch-analysis-stconvert (<https://github.com/medcl/elasticsearch-analysis-stconvert>)

229. elasticsearch-net (<https://github.com/elastic/elasticsearch-net>)

Includes: Paket

Includes: RazorMachine

Includes: SolrNet

230. electron (<https://github.com/atom/electron>)

Includes: bluebird

Includes: Brightray (<https://github.com/electron/brightray>)

Includes: Crashpad (<https://crashpad.chromium.org/index.html>)

Includes: cfmakeraw for Solaris  
Includes: Files copyright Andy Polyakov (<http://www.openssl.org/~appro/camellia/>)  
Includes: Files copyright Felix Rieseberg, et al.  
Includes: Files copyright GitHub, Inc.  
Includes: Files copyright Intel  
Includes: Files from Chromium  
Includes: Github Gist "Regular Expression for URL validation"  
Includes: index.d.ts  
Includes: MinGW  
Includes: native-mate (<https://github.com/zcbenz/native-mate>)  
Includes: nghttp2  
Includes: Node.js (<https://nodejs.org/>)  
Includes: node-webkit (<https://github.com/barretron/node-webkit>)  
Includes: npm (<https://www.npmjs.com>)  
Includes: pdf\_viewer  
Includes: Punycode (<https://github.com/bestiejs/punycode.js>)  
Includes: RFC 2412 and RFC 3526  
Includes: Unicode Standard Annex  
Includes: unorm (<https://github.com/walling/unorm/>)  
Includes: vtune (<http://software.intel.com>)  
Includes: WebKit (<https://webkit.org>)  
Includes: windows\_toast\_notification  
231. end-of-stream (<https://github.com/mafintosh/end-of-stream>)  
232. EnterpriseLibrary (<http://entlib.codeplex.com/>)  
Includes: EnterpriseLibrary.Common (<http://entlib.codeplex.com/>)  
Includes: EnterpriseLibrary.Logging (<http://entlib.codeplex.com/>)  
233. Entity Framework (<http://entityframework.codeplex.com/>)  
234. errno-codes (<https://www.npmjs.com/package/errno-codes>)  
235. error-ex (<https://github.com/qix-/node-error-ex>)  
236. es5-ext (<https://github.com/medikoo/es5-ext>)  
237. es6-iterator (<https://github.com/medikoo/es6-iterator>)  
238. es6-map (<https://github.com/medikoo/es6-map>)  
239. es6-set (<https://github.com/medikoo/es6-set>)  
240. es6-shim (<https://github.com/paulmillr/es6-shim/>)  
241. es6-symbol (<https://github.com/medikoo/es6-symbol>)  
242. es6-weak-map (<https://github.com/medikoo/es6-weak-map>)  
243. escape-string-regexp (<https://github.com/sindresorhus/escape-string-regexp>)  
244. escope (<http://github.com/estools/escope>)  
245. ESLint (<https://github.com/eslint/eslint>)  
246. ESLint-config-defaults (<https://github.com/walmartlabs/eslint-config-defaults>)  
247. ESLint-config-standard (<https://github.com/feross/eslint-config-standard>)  
248. ESLint-plugin-react (<https://github.com/yannickcr/eslint-plugin-react>)  
249. ESLint-plugin-standard (<https://github.com/xjamundx/eslint-plugin-standard>)  
250. Espree (<https://github.com/eslint/espree>)  
251. esprima (<https://github.com/ariya/esprima>)  
252. Esprima.js (<http://esprima.org/>)  
253. esprima-fb (<https://github.com/facebook/esprima/tree/fb-harmony>)  
254. esrecurse (<http://github.com/estools/esrecurse>)  
255. estraverse (<https://github.com/estools/estraverse>)  
256. estraverse-fb (<https://github.com/RReverser/estraverse-fb>)  
257. esutils (<https://github.com/estools/esutils>)  
258. event-emitter (<https://github.com/medikoo/event-emitter>)

259. [execa \(https://github.com/sindresorhus/execa\)](https://github.com/sindresorhus/execa)

260. [exit-hook \(https://github.com/sindresorhus/exit-hook\)](https://github.com/sindresorhus/exit-hook)

261. [extend \(https://github.com/justmoon/node-extend\)](https://github.com/justmoon/node-extend)

262. [Extended WPF Toolkit – Community Edition \(http://wpf toolkit.codeplex.com\)](http://wpf toolkit.codeplex.com)

263. [extract-opts \(https://github.com/bevry/extract-opts\)](https://github.com/bevry/extract-opts)

264. [extract-zip \(https://github.com/maxogden/extract-zip\)](https://github.com/maxogden/extract-zip)

265. [F# Compiler \(http://fsharp.github.io/\)](http://fsharp.github.io/)

266. [FaceBook C# SDK \(http://facebooksdk.net/\)](http://facebooksdk.net/)

Includes: [Simple-Json \(https://github.com/facebook-csharp-sdk/simple-json\)](https://github.com/facebook-csharp-sdk/simple-json)

Includes: [Json.cs \(http://techblog.procurios.nl/k/618/news/view/14605/14863/How-do-I-write-my-own-parser-for-JSON.html\)](http://techblog.procurios.nl/k/618/news/view/14605/14863/How-do-I-write-my-own-parser-for-JSON.html)

267. [fast-levenshtein \(https://github.com/hiddentao/fast-levenshtein\)](https://github.com/hiddentao/fast-levenshtein)

268. [fast-levenshtein \(https://github.com/hiddentao/fast-levenshtein\)](https://github.com/hiddentao/fast-levenshtein)

269. [FDLIBM \(http://www.netlib.org/fdlibm/\)](http://www.netlib.org/fdlibm/)

270. [figures \(https://github.com/sindresorhus/figures\)](https://github.com/sindresorhus/figures)

271. [File written by dwd@bell-labs.com](http://dwd@bell-labs.com)

272. [file-entry-cache \(https://github.com/royriojas/file-entry-cache\)](https://github.com/royriojas/file-entry-cache)

273. [file-lock \(https://github.com/scull7/file-lock\)](https://github.com/scull7/file-lock)

274. [fileoverview](http://fileoverview.com)

275. [File with code from a nczonline.net blog post "Event delegation in JavaScript"](http://nczonline.net)

276. [Files Copyright © J. Arndt](http://j.arndt.com)

277. [Files with code "\[a\]dapted from" code by Paul Irish](http://paulirish.com)

278. [Files with code "based on" John Resig's "tmpl" implementation, as well as doT.js](http://johnresig.com)

279. [Files with code from io.js](http://io.js.org)

280. [find-up \(https://github.com/sindresorhus/find-up\)](https://github.com/sindresorhus/find-up)

281. [findup-sync \(https://github.com/cowboy/node-findup-sync\)](https://github.com/cowboy/node-findup-sync)

282. [flat-cache \(https://github.com/royriojas/flat-cache\)](https://github.com/royriojas/flat-cache)

283. [floating-point-gui.de \(https://github.com/brazzy/floating-point-gui.de\)](https://github.com/brazzy/floating-point-gui.de)

284. [floating-point-gui.de article "Comparison" \(http://floating-point-gui.de/errors/comparison/\)](http://floating-point-gui.de/errors/comparison/)

285. [Font files licensed under the SIL Open Font License v1.1 \(https://scripts.sil.org/OFL\)](https://scripts.sil.org/OFL)

286. [Forensic similarities to Peacock \(https://github.com/thlorenz/peacock\)](https://github.com/thlorenz/peacock)

287. [forever-agent \(https://github.com/mikeal/forever-agent\)](https://github.com/mikeal/forever-agent)

288. [form-data \(https://github.com/felixge/node-form-data\)](https://github.com/felixge/node-form-data)

289. [FreeType 2 Font Engine \(https://www.freetype.org/\)](https://www.freetype.org/)

290. [FreeType \(https://www.freetype.org\)](https://www.freetype.org/)

291. [FsGrammar \(Fsharp\) \(https://github.com/ionide/ionide-fsgrammar\)](https://github.com/ionide/ionide-fsgrammar)

292. [fs-readdir-recursive \(https://github.com/fs-utils/fs-readdir-recursive\)](https://github.com/fs-utils/fs-readdir-recursive)

293. [fs.realpath \(https://github.com/isaacs/fs.realpath\)](https://github.com/isaacs/fs.realpath)

294. [fstream \(https://github.com/isaacs/fstream\)](https://github.com/isaacs/fstream)

295. [fstream-ignore \(https://github.com/isaacs/fstream-ignore\)](https://github.com/isaacs/fstream-ignore)

296. [fstream-npm \(https://github.com/isaacs/fstream-npm\)](https://github.com/isaacs/fstream-npm)

297. [fs-vacuum \(https://github.com/npm/fs-vacuum\)](https://github.com/npm/fs-vacuum)

298. [fs-write-stream-atomic \(https://github.com/npm/fs-write-stream-atomic\)](https://github.com/npm/fs-write-stream-atomic)

299. [fuzzaldrin-plus \(https://github.com/jeancroy/fuzzaldrin-plus\)](https://github.com/jeancroy/fuzzaldrin-plus)

300. [gauge \(https://github.com/iarna/gauge\)](https://github.com/iarna/gauge)

301. [GDB: The GNU Project Debugger \(https://www.gnu.org/software/gdb/\)](https://www.gnu.org/software/gdb/)

Includes: [amd64-match.S](http://amd64-match.s)

Includes: [code written by Ken Arnold](http://kenarndt.com)

302. [generate-function \(https://github.com/mafintosh/generate-function\)](https://github.com/mafintosh/generate-function)

303. [generate-object-property \(https://github.com/mafintosh/generate-object-property\)](https://github.com/mafintosh/generate-object-property)

304. [getmac \(https://github.com/bevry/getmac\)](https://github.com/bevry/getmac)

305. [get-stdin \(https://github.com/sindresorhus/get-stdin\)](https://github.com/sindresorhus/get-stdin)



306. get-stream (<https://github.com/sindresorhus/get-stream>)

307. Git Credential Manager for Windows (<https://github.com/Microsoft/Git-Credential-Manager-for-Windows>)  
Includes: File with code copyright StephenCleary

308. Git for Windows (<https://github.com/git-for-windows/git>)  
Includes: DocBook XSL stylesheets

309. GitHub Extension for Visual Studio (<https://github.com/github/VisualStudio>)

310. Git Logo by Jason Long (<http://git-scm.com/downloads/logos> and <http://twitter.com/jasonlong>)

311. GitInfo (<https://github.com/kzu/GitInfo>)

312. Glob (<https://github.com/isaacs/node-glob>)

313. Glob implementation from OpenBSD (<http://www.openbsd.org/>)

314. Globalmousekeyhook (<https://github.com/gmamaladze/globalmousekeyhook>)

315. globals (<https://github.com/sindresorhus/globals>)

316. globby (<https://github.com/sindresorhus/globby>)

317. globule (<https://github.com/cowboy/node-globule>)

318. Gnuplot file (<http://www.gnuplot.info>)

319. Google C++ Testing Framework (Google Test) (<https://github.com/google/googletest>)

320. Google Test Adapter (<https://github.com/csolttenborn/GoogleTestAdapter>)

321. Google Test Framework (<https://github.com/google/googletest>)

322. got (<https://github.com/sindresorhus/got>)

323. graceful-fs (<https://github.com/isaacs/node-graceful-fs>)

324. graceful-readlink (<https://github.com/zhilyelee/graceful-readlink>)

325. grammars (<https://github.com/antlr/grammars-v4>)

326. Gridster.js (<https://github.com/ducksboard/gridster.js>)

327. Grunt (<https://github.com/gruntjs/grunt>)

328. Grunt-bower-task (<https://github.com/yatskevich/grunt-bower-task>)

329. grunt-cli ( <https://github.com/gruntjs/grunt-cli>)

330. Grunt-concat (<https://github.com/gruntjs/grunt-contrib-concat> )

331. Grunt-contrib-clean (<https://github.com/gruntjs/grunt-contrib-clean>)

332. Grunt-contrib-copy (<https://github.com/gruntjs/grunt-contrib-copy>)

333. Grunt-contrib-jshint (<https://github.com/gruntjs/grunt-contrib-jshint>)

334. Grunt-contrib-watch (<https://github.com/gruntjs/grunt-contrib-watch>)

335. Grunt-cssmin (<https://github.com/gruntjs/grunt-contrib-cssmin>)

336. Grunt-uglify (<https://github.com/gruntjs/grunt-contrib-uglify>)

337. Guava (<https://github.com/google/guava>)

338. gulp-concat (<https://github.com/wearefractal/gulp-concat>)

339. gulp-cssmin (<https://github.com/chilijung/gulp-cssmin>)

340. gulp-uglify (<https://github.com/terinjokes/gulp-uglify>)

341. hammer.js (<https://github.com/hammerjs/hammer.js>)

342. handlebars.js (<https://github.com/wycats/handlebars.js>)

343. har-validator (<https://github.com/ahmadnassri/har-validator>)

344. has-ansi (<https://github.com/sindresorhus/has-ansi>)

345. hash-base (<https://github.com/crypto-browserify/hash-base>)

346. has-unicode (<https://github.com/iarna/has-unicode>)

347. hawk (<https://github.com/hueniverse/hawk>)  
Includes: CryptoJS

348. HighCharts.js (<http://www.highcharts.com/>)  
Includes: php.js (<http://phpjs.org>)

349. Highlight.js (<http://highlightjs.org/>; <https://github.com/isagalaev/highlight.js> )

350. history (<https://github.com/ReactTraining/history>)  
Includes: File with code from Modernizr

351. hoek (<https://github.com/hapijs/hoek>)  
Includes: Deep-eql

352. home-or-tmp (<https://github.com/sindresorhus/home-or-tmp>)

353. hosted-git-info (<https://github.com/npm/hosted-git-info>)

354. HTML Agility Pack (<http://htmlagilitypack.codeplex.com/>)

355. html-agility-pack (<https://github.com/zzzprojects/html-agility-pack>)

356. html5-boilerplate (<https://github.com/h5bp/html5-boilerplate/>)

357. HTTP Parser (<https://github.com/nodejs/http-parser>)

358. http-proxy-agent (<https://github.com/TooTallNate/node-http-proxy-agent>)

359. http-signature (<https://github.com/joyent/node-http-signature>)

360. https-proxy-agent (<https://github.com/TooTallNate/node-https-proxy-agent>)

361. Humanizer (<https://github.com/Humanizr/Humanizer>)

362. Hystrix (<https://github.com/Netflix/hystrix>)

363. I18N code copyright Southern Storm Software  
(<https://github.com/mono/mono/tree/master/mcs/class/I18N>)

364. iconv-lite (<https://github.com/ashtuchkin/iconv-lite>)

365. IETF RFC 1321: RSA Data Security, Inc. MD5 Message-Digest Algorithm (<http://tools.ietf.org/html/rfc1321>)

366. IETF RFC 2553: Basic Socket Interface Extensions for IPv6 (<http://tools.ietf.org/html/rfc2553>)

367. IETF RFC 3492: Bootstring encoding of Unicode for Internationalized Domain Names in Applications  
(<http://www.ietf.org/rfc/rfc3492.txt>)

368. iferr (<https://github.com/shesek/iferr>)

369. ignore (<https://github.com/kaelzhang/node-ignore>)

370. ILSpy (ICSharpCode.Decompiler) (<https://github.com/icsharpcode/ILSpy>)

Includes: Files copyright Novell, Inc.  
Includes: mcs  
Includes: Mono Project  
Includes: monodoc

371. Images from SilkIcons (<http://www.famfamfam.com/lab/icons/silk/>)

372. immutable-js (<https://github.com/facebook/immutable-js>)

373. ImpromptuInterface (<https://github.com/ekonbenefits/impromptu-interface>)

Includes: Clay (<https://clay.codeplex.com/>)

Includes: nunit-silverlight (<https://code.google.com/p/nunit-silverlight/>)

Includes: TinyIoC (<https://github.com/grumpydev/TinyIoC>)

374. imurmurhash (<https://github.com/jensyt/imurmurhash-js/>)

375. Independent JPEG Group's JPEG Library (<http://www.iijg.org/>)

376. inflight (<https://github.com/npm/inflight>)

377. inherit (<https://github.com/dfilatov/node-inherit>)

378. inherits (<https://github.com/isaacs/inherits>)

379. ini (<https://github.com/isaacs/ini>)

380. ini-parser (<https://github.com/rickyah/ini-parser>)

381. init-package-json (<https://github.com/isaacs/init-package-json>)

382. inquirer (<https://github.com/sboudrias/Inquirer.js>)

383. insight (<https://github.com/yeoman/insight>)

384. intelliJ-core (<https://www.jetbrains.com/intellij-repository/releases>)

385. intelliJ-core.jar (<https://github.com/JetBrains/intellij-community>)

Includes: JBIterable.java

386. International Components for Unicode  
([http://icu.sourceforge.com/documentation/4.4.2-1/ustring\\_8h\\_fa59f7f9e9b79cb9cb75b54c638b4f8b.html](http://icu.sourceforge.com/documentation/4.4.2-1/ustring_8h_fa59f7f9e9b79cb9cb75b54c638b4f8b.html))

387. intersect (<https://github.com/juliangruber/intersect>)

388. InversifyJS (<https://github.com/inversify/InversifyJS>)

389. invert-kv (<https://github.com/sindresorhus/invert-kv>)

390. io.js (<https://iojs.org/en/index.html> )

391. is-absolute (<https://github.com/jonschlinkert/is-absolute>)

392. is-admin (<https://github.com/sindresorhus/is-admin>)

393. isarray (<https://github.com/juliangruber/isarray/>)

394. is-arrayish (<https://github.com/qix-/node-is-arrayish>)

395. is-buffer (<https://github.com/feross/is-buffer>)

396. is-builtin-module (<https://github.com/sindresorhus/is-builtin-module>)

397. is-elevated (<https://github.com/sindresorhus/is-elevated>)

398. isemail (<https://github.com/hapijs/isemail>)

399. isexe (<https://github.com/isaacs/isexe>)

400. is-finite (<https://github.com/sindresorhus/is-finite>)

401. is-fullwidth-code-point (<https://github.com/sindresorhus/is-fullwidth-code-point>)

402. is-integer (<https://github.com/parshap/js-is-integer>)

403. is-my-json-valid (<https://github.com/mafintosh/is-my-json-valid>)

404. is-npm (<https://github.com/sindresorhus/is-npm>)

405. is-path-cwd (<https://github.com/sindresorhus/is-path-cwd>)

406. is-path-in-cwd (<https://github.com/sindresorhus/is-path-in-cwd>)

407. is-path-inside (<https://github.com/sindresorhus/is-path-inside>)

408. is-plain-obj (<https://github.com/sindresorhus/is-plain-obj>)

409. is-property (<https://github.com/mikolajsenko/is-property>)

410. is-redirect (<https://github.com/sindresorhus/is-redirect>)

411. is-relative (<https://github.com/jonschlinkert/is-relative>)

412. is-resolvable (<https://github.com/shinnn/is-resolvable>)

413. is-root (<https://github.com/sindresorhus/is-root/>)

414. isstream (<https://github.com/rvagg/isstream>)

415. is-stream (<https://github.com/sindresorhus/is-stream/>)

416. is-utf8 (<https://github.com/wayfind/is-utf8>)

417. ix-ASYN (<http://rx.codeplex.com/>)

418. JasPer Project (<http://www.ece.uvic.ca/~frodo/jasper>)

419. Javascript Cookie Library with jQuery bindings and JSON support (<http://code.google.com/p/cookies/>)

420. JavaScript Lint (<http://www.JavaScriptLint.com>)

421. JavaScript.tmlanguage (<https://github.com/Benvie/JavaScriptNext.tmlanguage>)

422. Javolution (<http://javolution.org/>)

423. jdk8u (multiple packages) (<https://github.com/JetBrains/jdk8u>)

Includes: File with code copyright freebxml.org

424. Jenkins logo

425. JetBrains ReSharper (<https://www.jetbrains.com/resharper/>)

426. JGit test (<https://github.com/spearce/JGit/commit/e4bf8f6957bbb29362575d641d1e77a02d906739>)

427. JGit xhistogram (<http://www.eclipse.org/org/documents/edl-v10.php>)

428. jimfs (<https://github.com/google/jimfs>)

429. jju (<http://rldwka.github.io/jju/>)

430. JNA (<https://github.com/java-native-access/jna>)

431. jodid25519 (<https://github.com/meganz/jodid25519>)

Includes: almond

432. joi (<https://github.com/hapijs/joi>)

433. jqGrid (<http://www.trirand.net.>)

434. jqTree (<http://mbraak.github.io/jqTree/>)

435. jQuery (<http://jquery.com/>)

Includes: RequireJS

Includes: Qunit

Includes: File with code "[a]dapted from" <https://developer.mozilla.org>

Includes: Sizzle.js (<http://sizzlejs.com>)

436. jQuery cookie plugin

437. jQuery Delay (<https://github.com/jquery/jquery>)

438. jQuery Mobile (<http://jquerymobile.com/>)

439. jQuery postMessage (<http://benalman.com/projects/jquery-postmessage-plugin/>)

440. jQuery Templates (<https://github.com/BorisMoore/jquery-tmpl>)

441. jQuery Timepicker Addon (<https://github.com/trentrichardson/jquery-Timepicker-Addon>)

442. jQuery Validation (<http://bassistance.de/jquery-plugins/jquery-plugin-validation/>)

443. jQuery Watermark plugin (<https://github.com/marioestrada/jquery-Watermark>)

444. jQuery.LazyLoad (<http://www.appelsiini.net/projects/lazyload>)

445. jquery-base64 (<https://github.com/yckart/jquery.base64.js>)

446. jQueryUI (<http://jqueryui.com/>)

447. jsesc (<https://github.com/mathiasbynens/jsesc>)

448. Json.NET (Newtonsoft.Json) (<https://github.com/JamesNK/Newtonsoft.Json>)

Includes: LINQBridge (<http://www.raboof.com>)

449. Json2.js (<https://github.com/douglascrockford/JSON-js>)

450. json5 (<https://github.com/aseemk/json5>)

451. json-document-transforms (<https://github.com/Microsoft/json-document-transforms>)

452. json-edm-parser (<https://github.com/yaxia/json-edm-parser>)

453. json-parse-helpfulerror (<https://github.com/smikes/json-parse-helpfulerror>)

454. jsonpointer (<https://github.com/janl/node-jsonpointer>)

455. json-rpc-peer (<https://github.com/julien-f/js-json-rpc-peer>)

456. json-rpc-protocol (<https://github.com/julien-f/js-json-rpc-protocol>)

457. json-stable-stringify (<https://github.com/substack/json-stable-stringify>)

458. json-stringify-safe (<https://github.com/isaacs/json-stringify-safe>)

459. jsonwebtoken (<https://github.com/auth0/node-jwt-token>)

460. js-sha256 (<https://github.com/emn178/js-sha256>)

461. js-tokens (<https://github.com/lydell/js-tokens>)

462. js-yaml (<https://github.com/nodeca/js-yaml>)

463. JTS Topology Suite (<https://sourceforge.net/projects/jts-topo-suite/files/jts/>)

464. junk (<https://github.com/sindresorhus/junk/>)

465. Kajability tools (<https://github.com/Kajability/Kajability-Tools>)

466. Katana (<http://katanaproject.codeplex.com/>)

467. KaTeX (<https://github.com/Khan/KaTeX/>)

Includes: hyphenate and escape

Includes: 11yproject.com (<http://a11yproject.com/posts/how-to-hide-content/>)

Includes: Perseus (<https://github.com/Khan/perseus/blob/master/src/perseus-markdown.jsx>)

Includes: Underscore (<https://github.com/jashkenas/underscore>)

468. kind-of (<https://github.com/jonschlinkert/kind-of>)

469. Knockout Validation (<https://github.com/ericmbarnard/Knockout-Validation>)

470. KnockoutJS (<http://knockoutjs.com/>)

471. knockout-secure-binding (<https://github.com/brianmhunt/knockout-secure-binding>)

472. kotlin:stdlib (<https://kotlinlang.org/api/latest/jvm/stdlib/>)

Includes: com.google.common.collect.Maps

473. kXML2 (<https://sourceforge.net/projects/kxml/>)

474. language-docker (<https://github.com/docker/docker/blob/master/contrib/syntax/textmate/Docker.tmbundle>)

475. language-go (<https://github.com/atom/language-go>)

476. language-javascript (<https://github.com/atom/language-javascript>)

477. language-less (<https://github.com/atom/language-less>)

478. language-php (<https://github.com/atom/language-php>)

479. language-rust (<https://github.com/zargony/atom-language-rust>)

480. language-swift (<https://github.com/freebroccolo/atom-language-swift>)

481. language-xml (<https://github.com/atom/language-xml>)

482. latest-version (<https://github.com/sindresorhus/latest-version>)

483. lazy-cache (<https://github.com/jonschlinkert/lazy-cache>)

484. lazystream (<https://github.com/jpommerening/node-lazystream>)

485. lcid (<https://github.com/sindresorhus/lcid>)

486. left-pad (<https://github.com/azer/left-pad>)

487. leven (<https://github.com/sindresorhus/leven>)

488. levn (<https://github.com/gkz/levn>)

489. libchromiumcontent (<https://github.com/electron/libchromiumcontent>)

490. LibGit2 (<https://github.com/libgit2/libgit2>)

Includes: clar (<https://github.com/vmg/clar>)

Includes: The Contributor Covenant Code of Conduct (<https://github.com/libgit2/libgit2>)

Includes: Curl (<http://curl.haxx.se/docs/copyright.html>)

Includes: fnmatch (<http://www.opensource.apple.com/source/sudo/sudo-16/sudo/fnmatch.c>)

Includes: libssh (<https://github.com/nviennot/libssh/>)

Includes: RegEx (<https://github.com/libgit2/libgit2>)

Includes: UniqueGenerator.php (<https://github.com/libgit2/libgit2>)

Includes: xdiff (<http://www.xmailserver.org/xdiff-lib.html>)

Includes: WinHttp (<https://github.com/libgit2/libgit2>)

491. LibGit2Sharp (<https://github.com/libgit2/libgit2sharp/>)

492. libiconv (<https://www.gnu.org/software/libiconv/>)

493. Libjpeg-Turbo\_mono (<http://www.libjpeg-turbo.org/>)

494. libuv (<https://github.com/libuv/libuv>)

495. LIBXML2 (<http://www.xmlsoft.org/>)

496. ligershark/grunt-ide-support (<https://github.com/ligershark/grunt-ide-support>)

497. line-numbers (<https://github.com/lydell/line-numbers>)

498. Little CMS Color Management (<http://www.littlecms.com/>)

499. LiveCharts (<https://github.com/beto-rodriguez/Live-Charts>)

500. LLDB (<https://lldb.lvm.org>)

501. llvm-cfe (<https://llvm.org/>)

Includes: code from unicode.org code

502. llvm-clang-tools-extra (<https://llvm.org/>)

Includes: structs based on the LSP specification

503. llvm-lld (<https://llvm.org/>)

504. llvm-llvm (<https://llvm.org/>)

Includes: Files based on microsoft-pdb

Includes: Unicode case folding database

Includes: ARM Limited Software Grant License Agreement

505. llvm-polly (<https://llvm.org/>)

Includes: ppcg

506. llvm-compiler-rt (<https://llvm.org/>)

Includes: Files with code from gperftools

507. llvm-openmp (<https://llvm.org/>)

508. llvm v9.0.0 (<https://llvm.org> )

Includes: microsoft-pdb

Includes: Unicode case folding database

509. llvm-cfe v9.0.0 (<https://llvm.org> )

Includes: unicode.org code

510. llvm-clang-tools-extra v9.0.0 (<https://llvm.org> )

Includes: LSP specification

511. llvm-lld v9.0.0 (<https://llvm.org> )

512. llvm-polly v9.0.0 (<https://llvm.org> )

Includes: ppcg

513. llvm-compiler-rt v9.0.0 (<https://llvm.org> )

Includes: gperftools

514. llvm-openmp v9.0.0 (<https://llvm.org> )

515. load-json-file (<https://github.com/sindresorhus/load-json-file>)  
516. lockfile (<https://github.com/isaacs/lockfile>)  
517. lodash (<https://lodash.com/>)  
Includes: File(s) copyright John Resig (<https://ejohn.org/blog/javascript-micro-templating/>)  
Includes: File(s) copyright Laura Doktorova (<https://github.com/olado/doT>)  
518. lodash.assign (<https://lodash.com/>)  
519. lodash.once (<https://github.com/lodash/lodash>)  
520. Log4Net (<http://logging.apache.org/log4net/>)  
521. longest (<https://github.com/jonschlinkert/longest>)  
522. lowercase-keys (<https://github.com/sindresorhus/lowercase-keys>)  
523. lru-cache (<https://github.com/isaacs/node-lru-cache>)  
524. Ltx (<https://github.com/node-xmpp/ltx>)  
525. Lucene.Net Contrib + Lucene.Net (<https://github.com/apache/lucenenet>)  
526. LZMA SDK (<http://7-zip.org/sdk.html>)  
527. MacCore (<https://github.com/mono/maccore>)  
528. MahApps.Metro (<https://github.com/MahApps/MahApps.Metro>)  
529. make-error (<https://github.com/julien-f/js-make-error>)  
530. markdig (<https://github.com/lunet-io/markdig>)  
Includes: CommonMark.NET  
Includes: CommonMarkSharp  
Includes: File copyright Karlis Gangis  
Includes: HTML 5.3 specification  
Includes: SharpCollections  
531. markdig.wpf (<https://github.com/Kryptos-FR/markdig.wpf>)  
Includes: code from <https://github.com/lunet-io/markdig>  
532. Markdown (<https://daringfireball.net/projects/markdown/>)  
533. MarkdownDeep (<http://www.toptensoftware.com/markdowndeep/>)  
534. markdown-it (<https://github.com/markdown-it/markdown-it>)  
535. markdown-it-container (<https://github.com/markdown-it/markdown-it-container>)  
536. markdown-it-emoji (<https://github.com/markdown-it/markdown-it-emoji>)  
537. markdown-it-imsiize (<https://github.com/tatsy/markdown-it-imsiize>)  
Includes: buffer (<https://github.com/feross/buffer>)  
538. markdown-it-lazy-headers (<https://github.com/Galadirith/markdown-it-lazy-headers>)  
539. markdown-it-task-lists (<https://github.com/revin/markdown-it-task-lists>)  
540. markdown-it-katex (<https://github.com/waylonflinn/markdown-it-katex>)  
Includes: markdown-it-math (<https://github.com/runarberg/markdown-it-math>)  
541. markdown-it-table-of-contents (<https://github.com/Oktavilla/markdown-it-table-of-contents>)  
542. marked (<https://github.com/chjj/marked>)  
543. match-at (<https://github.com/spicyj/match-at>)  
544. math boost (Boost.Math) (<https://github.com/boostorg/math>)  
545. material-components-ios (<https://github.com/material-components/material-components-ios>)  
546. mcs (<https://github.com/mono/mono/tree/master/mcs>)  
547. md5.js (<https://github.com/crypto-browserify/md5.js>)  
548. md5-hex (<https://github.com/sindresorhus/md5-hex>)  
549. md5-o-matic (<https://github.com/trentmillar/md5-o-matic>)  
550. mDNSResponder (<https://opensource.apple.com/tarballs/mDNSResponder/>)  
551. mem (<https://github.com/sindresorhus/mem>)  
552. Metrics (<https://github.com/dropwizard/metrics>)  
553. Microsoft Azure SDK for .NET (<https://github.com/Azure/azure-sdk-for-net>)  
554. mime (<https://github.com/broofa/node-mime>)  
555. mime-db (<https://github.com/jshttp/mime-db>)  
556. mime-types (<https://github.com/jshttp/mime-types>)

557. mimic-fn (<https://github.com/sindresorhus/mimic-fn>)

558. MinGit (<https://github.com/git-for-windows/git>)

559. MinGW MSYS (<http://www.mingw.org/wiki/MSYS>)

560. MinGW MSYS-iconv (<https://sourceforge.net/projects/mingw/files/MinGW/Base/libiconv/libiconv-1.14-2/>)

561. minimatch (isaacs) (<https://github.com/isaacs/minimatch>)

562. MiniMatch (SLaks) (<https://github.com/SLaks/Minimatch/>)

563. minimist (<https://github.com/substack/minimist>)

564. Minizip (<http://www.winimage.com/zLibDll/minizip.html>)

565. mkdirp (<https://github.com/substack/node-mkdirp>)

566. mkdir-parents (<https://github.com/LightSpeedWorks/mkdir-parents>)

567. mkpath (<https://github.com/jrajav/mkpath>)

568. Mockery (<https://github.com/mfncooper/mockery>)

569. Modernizr (<http://www.modernizr.com>; <https://github.com/Modernizr/Modernizr>)

Includes: HTML5 Shiv (<https://github.com/afarkas/html5shiv>)

Includes: matchMedia.js (<https://gist.github.com/scottjehl/786768>)

Includes: es5-shim (<https://github.com/kriskowal/es5-shim/blob/master/es5-shim.js>)

Includes: css-support (<https://github.com/dperini/css-support>)

570. Moment.js (<https://github.com/moment/moment/>)

571. Moment (<https://github.com/moment/moment>)

Includes: Files with code from Closure

572. Monaco Editor (<https://microsoft.github.io/monaco-editor/>)

Includes: chjj-marked (<https://github.com/npmcomponent/chjj-marked>)

Includes: HTML 5.1 W3C Working Draft version 08 October 2015 (<http://www.w3.org/TR/2015/WD-html51-20151008/>)

Includes: js-beautify (<https://github.com/beautify-web/js-beautify>)

Includes: string\_score ([https://github.com/joshaven/string\\_score](https://github.com/joshaven/string_score))

Includes: WinJS (<https://github.com/winjs/winjs>)

573. Mono.Cecil (<https://github.com/jbevain/cecil>)

574. Mono.Options (<https://github.com/mono/mono/tree/master/mcs/class/Mono.Options/Mono.Options>)

575. Mono.Zeroconf (<http://www.mono-project.com/archived/monozeroconf/>)

576. monodoc (<http://www.mono-project.com/docs/tools+libraries/tools/monodoc/>)

577. MonoMac (<http://www.mono-project.com/MonoMac>)

578. MonoTouch.Dialog (<https://github.com/migueldeicaza/MonoTouch.Dialog>)

579. MooTools (<https://github.com/mootools/mootools-core/>)

580. mout (<https://github.com/mout/mout>)

581. ms (<https://github.com/zeit/ms>)

582. MSBuild (<https://github.com/Microsoft/msbuild>)

583. msys2-runtime (<https://github.com/alexpux/cygwin>)

584. murmurhash (<https://github.com/darrenkopp/murmurhash-net>)

585. mustache.js (<https://github.com/janl/mustache.js>)

586. mute-stream (<https://github.com/isaacs/mute-stream/>)

587. MvvmLightLibs (<http://www.mvvmlight.net/>)

588. nan (<https://github.com/nodejs/nan>)

589. narwhal.js (<http://narwhaljs.org>)

590. NEST (<https://github.com/elastic/elasticsearch-net>)

591. NET Core WCF (<https://github.com/CoreWCF/CoreWCF>)

592. NetSqlAzMan (<http://netsqlazman.codeplex.com/>)

593. nice-try (<https://github.com/electerious/nice-try>)

594. ninja (<https://github.com/ninja-build/ninja>)

595. Nlog (<http://nlog-project.org/>)

596. Node.js (<https://github.com/joyent/node>; <https://nodejs.org/en/>)

Includes: ansi-regex

Includes: C-Ares

Includes: Closure Linter  
Includes: cpplint.py  
Includes: Files copyright Andy Polyakov  
Includes: File copyright Niels Provos  
Includes: Files copyright Fedor Indutny  
Includes: GYP  
Includes: HTTP Parser  
Includes: Marked  
Includes: Node-weak  
Includes: NPM  
Includes: Punycode.js  
Includes: RFC 2412 and RFC 3526  
Includes: V8  
Includes: wrk  
Includes: Zlib  
597. node-archiver (<https://github.com/archiverjs/node-archiver>)  
598. node-ecdsa-sig-formatter (<https://github.com/Brightspace/node-ecdsa-sig-formatter>)  
599. node-jwa (<https://github.com/brianloveswords/node-jwa>)  
600. node-jws (<https://github.com/brianloveswords/node-jws>)  
601.  
node-tar (<https://github.com/npm/node-tar/>)  
602. Node.js Tools for Visual Studio (nodejstools) (<https://github.com/microsoft/nodejstools>)  
603. node-bcrypt-pbkdf (<https://github.com/joyent/node-bcrypt-pbkdf>)  
604. nodeca (<https://github.com/nodeca/nodeca>)  
605. node-cross-spawn (<https://github.com/moxystudio/node-cross-spawn>)  
Includes: Test'em 'Scripts  
606. node-ftp (<https://github.com/mscdex/node-ftp>)  
607. node-github (<https://github.com/mikedeboer/node-github>)  
608. node-gyp (<https://github.com/nodejs/node-gyp>)  
609. node-heapdump (<https://github.com/bnoordhuis/node-heapdump>)  
610. node-jsonpointer (<https://github.com/janl/node-jsonpointer/>)  
611. node-memwatch (<https://github.com/marcominetti/node-memwatch>)  
612. node-mime (<https://github.com/broofa/node-mime>)  
613. node-semver (<https://github.com/npm/node-semver>)  
614. node-status-codes (<https://github.com/sindresorhus/node-status-codes>)  
615. node-tmp (<https://github.com/raszi/node-tmp>)  
616. node-uuid (<https://github.com/kelektiv/node-uuid>; <https://github.com/broofa/node-uuid/>)  
617. node-which (<https://github.com/npm/node-which>)  
618. node-xmlreader (<https://github.com/SamDecrock/node-xmlreader/>)  
619. noice-json-rpc (<https://github.com/nojvek/noice-json-rpc>)  
620. nopt (<https://github.com/npm/nopt>)  
621. normalize.css (<https://github.com/necolas/normalize.css>)  
622. normalize-git-url (<https://github.com/npm/normalize-git-url>)  
623. normalize-package-data (<https://github.com/npm/normalize-package-data>)  
624. normalize-path (<https://github.com/jonschlinkert/normalize-path>)  
625. NPM (<https://www.npmjs.com/>; <https://github.com/npm/npm/>)  
)  
626. npm-cache-filename (<https://github.com/npm/npm-cache-filename>)  
627. npm-install-checks (<https://github.com/npm/npm-install-checks>)  
628. npmlog (<https://github.com/isaacs/npmlog>)  
629. npm-package-arg (<https://github.com/npm/npm-package-arg>)



630. npm-registry-client (<https://github.com/isaacs/npm-registry-client>)  
631. npm-run-path (<https://github.com/sindresorhus/npm-run-path>)  
632. npm-user-validate (<https://github.com/npm/npm-user-validate>)  
633. NRefactory (<https://github.com/icsharpcode/NRefactory>)  
634. NuGet (<https://github.com/NuGet/Home>; <https://github.com/NuGet>)  
635. NuGet.Core.dll (<https://github.com/mono/nuget-binary>)  
636. NuGet.Versioning (<https://github.com/NuGet/NuGet.Client>)  
637. NuGet.VisualStudio (<https://github.com/NuGet/NuGet.Client>)  
638. number-is-nan (<https://github.com/sindresorhus/number-is-nan>)  
639. oauth-sign (<https://github.com/mikeal/oauth-sign>)  
640. object-assign (<https://github.com/sindresorhus/object-assign>)  
641. octokit.net (<https://github.com/octokit/octokit.net>)  
642. octokit.graphql.net (<https://github.com/octokit/octokit.graphql.net>)  
Includes: ReadableExpressions  
643. OData .NET Libraries (<https://github.com/kosinsky/odata.net>)  
644. OfficeUIFabricCore (<https://github.com/OfficeDev/Office-UI-Fabric-Core>)  
645. office-ui-fabric-react (<https://github.com/OfficeDev/office-ui-fabric-react>)  
646. once (<https://github.com/isaacs/once>)  
647. onetime (<https://github.com/sindresorhus/onetime>)  
648. Onigmo (<https://github.com/k-takata/Onigmo>)  
649. oniguruma (<https://github.com/kkos/oniguruma>)  
650. open (<https://github.com/jjrdn/node-open>)  
651. Open Data Protocol (<https://github.com/mono/mono/tree/master/mcs/class/System.Data.Services.Client>)  
652. Open Toolkit  
653. opener (<https://github.com/domenic/opener>)  
654. OpenGL (<https://www.opengl.org/>)  
655. OpenSSL (<http://www.openssl.org>)  
656. opn (<https://github.com/sindresorhus/opn>)  
657. optimist (<https://github.com/substack/node-optimist>)  
658. optionator (<https://github.com/gkz/optionator>)  
659. options (<https://github.com/einaros/options.js>)  
660. OrderedSet (<http://code.activestate.com/recipes/576694/>)  
661. osh (<https://github.com/npm/osh>)  
662. os-homedir (<https://github.com/sindresorhus/os-homedir>)  
663. os-locale (<https://github.com/sindresorhus/os-locale>)  
664. os-name (<https://github.com/sindresorhus/os-name>)  
665. os-tmpdir (<https://github.com/sindresorhus/os-tmpdir>)  
666. osx-release (<https://github.com/sindresorhus/osx-release>)  
667. output-file-sync (<https://github.com/shinnn/output-file-sync>)  
668. OWIN (<http://owin.org/>)  
669. package-json (<https://github.com/sindresorhus/package-json>)  
670. parallel-hashmap (<https://github.com/greg7mdp/parallel-hashmap>)  
671. parse-json (<https://github.com/sindresorhus/parse-json>)  
672. Parser-Lib  
673. Passive Event Listeners (EventListenerOptions) (<https://github.com/WICG/EventListenerOptions>)  
674. path-array (<https://github.com/TooTallNate/node-path-array>)  
675. path-exists (<https://github.com/sindresorhus/path-exists>)  
676. path-is-absolute (<https://github.com/sindresorhus/path-is-absolute>)  
677. path-is-inside (<https://github.com/domenic/path-is-inside>)  
678. path-key (<https://github.com/sindresorhus/path-key>)  
679. path-type (<https://github.com/sindresorhus/path-type>)  
680. p-finally (<https://github.com/sindresorhus/p-finally>)

681. pify (<https://github.com/sindresorhus/pify>)  
682. pinkie (<https://github.com/floatdrop/pinkie>)  
683. pinkie-promise (<https://github.com/floatdrop/pinkie-promise>)  
684. p-is-promise (<https://github.com/sindresorhus/p-is-promise>)  
685. pkg-conf (<https://github.com/sindresorhus/pkg-conf>)  
686. pluralize (<https://github.com/blakeembrey/pluralize>)  
687. pngcs (<https://code.google.com/archive/p/pngcs/>)  
688. polly (<https://llvm.org/> and <http://polly.llvm.org/>)  
Includes: ppcg  
689. Polly.dll (<https://github.com/App-vNext/Polly>)  
690. Polyfill from Base64.js (<https://github.com/davidchambers/Base64.js>)  
691. PowerArgs (<https://github.com/adamabdelhamed/PowerArgs>)  
692. PowerShell Package for Sublime Text 3 (<https://github.com/SublimeText/PowerShell>)  
693. prelude-ls (<http://preludels.com>)  
694. prepend-http (<https://github.com/sindresorhus/prepend-http>)  
695. Prism (<http://compositewpf.codeplex.com/>)  
696. private (<http://github.com/benjamn/private>)  
697. process-nextick-args (<https://github.com/calvinmetcalf/process-nextick-args>)  
698. progress (<https://github.com/visionmedia/node-progress>)  
699. Proguard (<https://github.com/xamarin/proguard/>)  
700. promptly (<https://github.com/IndigoUnited/node-promptly>)  
701. promzard (<https://github.com/isaacs/promzard>)  
702. ProseMirror (<http://prosemirror.net/>)  
703. protobuf-tmbundle (<https://github.com/michaelledgar/protobuf-tmbundle>)  
704. proto-list (<https://github.com/isaacs/proto-list>)  
705. pseudomap (<https://github.com/isaacs/pseudomap>)  
706. p-throttler (<http://github.com/IndigoUnited/node-p-throttler>)  
707. PTVS (<https://github.com/Microsoft/PTVS>)  
708. PTVSD (<https://github.com/Microsoft/PTVSD>)  
709. public\_suffix\_list.dat  
710. pump (<https://github.com/mafintosh/pump>)  
711. Punycode.js (<https://github.com/bestiejs/punycode.js>)  
712. PyDev.Debugger (<https://github.com/fabioz/PyDev.Debugger>)  
Includes: File copyright Brainwy Software Ltda.  
713. pydev\_debugger  
Includes: File authored by Yuli Fitterman  
Includes: File copyright Brainwy software Ltda.  
Includes: File with methods from Spyder  
Includes: File(s) related to IPython  
Includes: Files copyright Microsoft Corporation  
Includes: Python, Cpython  
Includes: six  
Includes: WinAppDbg  
Includes: XML-RPC client interface for Python  
714. q (<https://github.com/kriskowal/q>)  
715. qs (<https://github.com/hapijs/qs>)  
Includes: io.js  
716. QUnit (<https://github.com/jquery/qunit>)  
717. RapidJSON (<https://github.com/miloyip/rapidjson/>)  
718. rc (<https://github.com/dominictarr/rc.>)  
719. React (<https://github.com/facebook/react>)  
720. react-copy-to-clipboard (<https://github.com/nkbt/react-copy-to-clipboard>)

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723. readable-stream (<https://github.com/isaacs/readable-stream>)  
724. read-all-stream (<https://github.com/floatdrop/read-all-stream>)  
725. read-cmd-shim (<https://github.com/npm/read-cmd-shim>)  
726. readdir-scoped-modules (<https://github.com/npm/readdir-scoped-modules>)  
727. read-installed (<https://github.com/isaacs/read-installed>)  
728. read-json-sync (<https://github.com/shinnn/read-json-sync>)  
729. readline2 (<https://github.com/sboudrias/readline2>)  
730. read-package-json (<https://github.com/isaacs/read-package-json>)  
731. read-package-tree (<https://github.com/npm/read-package-tree>)  
732. read-pkg (<https://github.com/sindresorhus/read-pkg>)  
733. read-pkg-up (<https://github.com/sindresorhus/read-pkg-up>)  
734. realize-package-specifier (<https://github.com/npm/realize-package-specifier>)  
735. reCAPTCHA (<http://www.google.com/recaptcha/intro/index.html>)  
736. recast (<http://github.com/benjamn/recast>)  
737. redeyed (<https://github.com/thlorenz/redeyed>)  
738. Red Gate 'Data Tools' (<http://www.red-gate.com/>)  
739. redux (<https://github.com/reactjs/redux>)  
740. redux-logger (<https://github.com/fcomb/redux-logger>)  
741. redux-thunk (<https://github.com/gaearon/redux-thunk>)  
742. reflect-metadata (<https://github.com/rbuckton/reflect-metadata>)  
743. Regedit (<https://github.com/ironSource/node-regedit>)  
744. regenerate (<https://github.com/mathiasbynens/regenerate>)  
745. regenerator (<http://github.com/facebook/regenerator>)  
746. regexpu (<https://github.com/mathiasbynens/regexpu>)  
747. registry-url (<https://github.com/sindresorhus/registry-url>)  
748. regjsgen (<https://github.com/d10/regjsgen>)  
749. regjsparser (<https://github.com/jviereck/regjsparser>)  
750. Relinq (<http://relinq.codeplex.com/>)  
751. remove-markdown (<https://github.com/stiang/remove-markdown>)  
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753. repeat-string (<https://github.com/jonschlinkert/repeat-string>)  
754. request (<https://github.com/request/request>)  
755. request-light (<https://github.com/Microsoft/node-request-light>)  
756. request-progress (<http://github.com/IndigoUnited/node-request-progress>)  
757. request-replay (<http://github.com/IndigoUnited/node-request-replay>)  
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759. require-main-filename (<https://github.com/yargs/require-main-filename>)  
760. resolve (<https://github.com/substack/node-resolve>)  
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765. right-align (<https://github.com/jonschlinkert/right-align>)  
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Includes: Bootstrap  
Includes: Contributor Covenant v1.4  
Includes: memory-stats.js  
Includes: requestAnimationFrame  
Includes: RequireJS

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Includes: AvalonEdit

Includes: Batik

Includes: code authored by Jake Ginnivan

Includes: code from a CodeProject article by Ashley Davis

Includes: SVG.net sources

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Includes: wrench-js

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(<http://stackoverflow.com/questions/394816/how-to-get-parent-process-in-net-in-managed-way/3346055#3346055>)

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803. SlickGrid (<https://github.com/mleibman/slickgrid>)

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Includes: Base 64 VLQ implementation in Closure Compiler

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816. spdx-exceptions (<https://github.com/kemitchell/spdx-exceptions.js>)  
817. spdx-expression-parse (<https://github.com/kemitchell/spdx-expression-parse.js>)  
818. spdx-license-ids (<https://github.com/shinnn/spdx-license-ids>)  
819. split (<https://github.com/dominictarr/split>)  
820. split-join-stream (<https://github.com/IlyaBiryukov/message-boundary-node-stream>)  
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823. sprintf-js (<https://github.com/alexei/sprintf.js>)  
824. SQLite (<http://www.sqlite.org/>)  
Includes: Fossil (<http://fossil-scm.org>)  
825. SQLitePCL.raw (<https://github.com/ericsink/SQLitePCL.raw>)  
Includes: Camellia assebler implementation (<https://www.openssl.org/~appro/camellia/>)  
Includes: Files with code "copyrighted to Intel"  
826. SQLitePCLRaw.bundle\_green (<https://github.com/ericsink/SQLitePCL.raw>)  
Includes: build-openssl.sh (<http://www.openssl.org>)  
Includes: functions from fossil-scm.org (<http://fossil-scm.org>)  
Includes: File copyright Intel (<http://www.intel.com/>)  
Includes: Files with code written by David S. Miller and Andy Polyakov  
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834. String.prototype.at (<https://github.com/mathiasbynens/String.prototype.at>)  
835. string\_decoder ([https://github.com/rvagg/string\\_decoder](https://github.com/rvagg/string_decoder))  
836. stringify-object (<https://github.com/yeoman/stringify-object>)  
837. string-length (<https://github.com/sindresorhus/string-length>)  
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843. strip-bom (<https://github.com/sindresorhus/strip-bom>)  
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847. StructureMap (<https://github.com/structuremap/structuremap>)  
848. supports-color (<https://github.com/chalk/supports-color>)  
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851. symbol (<https://github.com/seanmonstar/symbol>)  
852. System.Diagnostics.Tracer (<https://netfx.codeplex.com/>)  
853. System.IO.Abstractions (<https://github.com/tathamoddie/System.IO.Abstractions>)  
854. System.Reactive extensions (<https://github.com/Reactive-Extensions/Rx.NET>)  
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860. tbb (<https://github.com/01org/tbb>)  
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(<https://github.com/nunit/nunit/blob/master/src/NUnitFramework/framework/Internal/TestNameGenerator.cs>)  
863. TextMate bundle: ASP.vb.NET (<https://github.com/textmate/asp.vb.net.tmbundle>)  
864. TextMate bundle: c (<https://github.com/textmate/c.tmbundle>)  
865. TextMate bundle: c# (<https://github.com/wintermi/csharp.tmbundle>)  
866. TextMate bundle: cmake (<https://github.com/textmate/cmake.tmbundle>)  
867. TextMate bundle: coffee-script (<https://github.com/textmate/coffee-script.tmbundle/>)  
868. TextMate bundle: css (<https://github.com/textmate/css.tmbundle>)  
869. TextMate bundle: go (<https://github.com/AlanQuatermain/go.tmbundle>)  
870. TextMate bundle: groovy (<https://github.com/textmate/groovy.tmbundle/>)  
871. TextMate bundle: html (<https://github.com/textmate/html.tmbundle>)  
872. TextMate bundle: ini (<https://github.com/textmate/ini.tmbundle>)  
873. TextMate bundle: jade (<https://github.com/davidrios/jade.tmbundle>)  
874. TextMate bundle: java (<https://github.com/textmate/java.tmbundle>)  
875. TextMate bundle: javadoc (<https://github.com/textmate/javadoc.tmbundle>)  
876. TextMate bundle: javascript (<https://github.com/textmate/javascript.tmbundle>)  
877. TextMate bundle: json (<https://github.com/textmate/json.tmbundle>)  
878. TextMate bundle: lua (<https://github.com/textmate/lua.tmbundle>)  
879. TextMate bundle: make (<https://github.com/textmate/make.tmbundle>)  
880. TextMate bundle: markdown (<https://github.com/textmate/markdown.tmbundle>)  
881. TextMate bundle: objective-c (<https://github.com/textmate/objective-c.tmbundle>)  
882. TextMate bundle: perl (<https://github.com/textmate/perl.tmbundle>)  
883. TextMate bundle: php (<https://github.com/textmate/php.tmbundle>)  
884. TextMate bundle: python (<https://github.com/textmate/python.tmbundle>)  
885. TextMate bundle: r (<https://github.com/textmate/r.tmbundle>)  
886. TextMate bundle: ruby (<https://github.com/textmate/ruby.tmbundle>)  
887. TextMate bundle: shellscript (<https://github.com/textmate/shellsript.tmbundle>)  
888. TextMate bundle: sql (<https://github.com/textmate/sql.tmbundle>)  
889. TextMate bundle: swift (<https://github.com/textmate/swift.tmbundle>)  
890. TextMate bundle: xml (<https://github.com/textmate/xml.tmbundle>)  
891. TextMate bundle: yaml (<https://github.com/textmate/yaml.tmbundle>)  
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893. throttleit (<https://github.com/component/throttle>)  
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895. timeago jQuery plugin (<https://github.com/rmm5t/jquery-timeago>)  
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898. tmp (<http://github.com/raszi/node-tmp>)  
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905. traverse (<https://github.com/substack/js-traverse>)  
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Includes: Acorn

Includes: parse-js

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Includes: Normalize.css

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935. unity-shader-files (<https://github.com/nadege/unity-shader-files>)

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Includes: Second Level Domains (<https://github.com/gavingmiller/second-level-domains>)

Includes: Universal Module Definition (<https://github.com/umdjs/umd/blob/master/returnExports.js>)

Includes: Punycode.js (<http://mths.be/punycode>)

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946. util-extend (<https://github.com/isaacs/util-extend>)

947. uuid (<https://github.com/kelektiv/node-uuid>)

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949. validate-npm-package-license (<https://github.com/kemitchell/validate-npm-package-license.js>)

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953. Visual Studio package for Node.js

954. Visual Studio Toolset for Cordova

955. Volkan Yazc libpqueue (<https://github.com/vy/libpqueue>)

956. vscode (code-oss-dev) (<https://github.com/Microsoft/vscode>)

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Includes: httpntlm

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- 999. xtend (<https://github.com/Raynos/xtend>)
- 1000. xUnit (<https://github.com/xunit/xunit>)
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- 1004. yallist (<https://github.com/isaacs/yallist>)
- 1005. YamlDotNet (<https://github.com/aaubry/YamlDotNet>)
- 1006. yargs (<https://github.com/yargs/yargs>)
- 1007. yargs-parser (<https://github.com/yargs/yargs-parser>)
- 1008. Zero Clipboard (<http://zeroclipboard.org>)
- 1009. zip-stream (<https://github.com/archiverjs/node-zip-stream>)
- 1010. zlib (<http://zlib.net>; <https://github.com/jtkukunas/zlib/>)
- 1011. Zlib Decompressor ([http://zlib.net/zlib\\_license.html](http://zlib.net/zlib_license.html))

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%% ActiveState cookbook recipe "Remove duplicates from a sequence" NOTICES AND INFORMATION BEGIN HERE
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Remove duplicates from a sequence

#### 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
2.1.2	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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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is not incompatible with the GPL.

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certifi

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<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>  
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powershell\_shortcut

BSD

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pycosat



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pyparser -- A C parser in Python

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pysocks

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Python

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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, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was 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 Year Owner GPL-  
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0.9.0 thru 1.2	1991-1995	CWI	yes	
1.3 thru 1.5.2	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
- 2.1.2 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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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

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pywin32

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, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was 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 Year Owner GPL-  
from 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  
2.1.2 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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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

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requests

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ruamel\_yaml

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setuptools

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six

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urllib3

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wincertstore

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win\_inet\_pton

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version 1.2.7, May 2nd, 2012

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pycrypto A collection of both secure hash functions (such as SHA256 and RIPEMD160), and various encryption algorithms (AES, DES, RSA, ElGamal, etc.).

pyopenssl A thin Python wrapper around (a subset of) the OpenSSL library.

kerberos (krb5, non-Windows platforms) A network authentication protocol designed to provide strong authentication for client/server applications by using secret-key cryptography.

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\* @author Glen Smith

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;-- Component support macros: ---  
; The code for the add/remove functionality is from:  
; [http://nsis.sourceforge.net/Add/Remove\\_Functionality](http://nsis.sourceforge.net/Add/Remove_Functionality)  
; It has been modified slightly and extended to provide  
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Add/Remove\_Functionality

[http://nsis.sourceforge.net/Add/Remove\\_Functionality](http://nsis.sourceforge.net/Add/Remove_Functionality)

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// Regular expression to extract compiler flags from a string

// <https://gist.github.com/3944250>

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System.Char.cs

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Constants and structures defined by the internet system, Per RFC 790, September 1981.

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<https://github.com/mono/mono/tree/master/mcs>

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Some code from updater.cs in monodoc

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nunit-silverlight

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DOCUMENTATION ROADMAP  
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This file contains the following sections:

- OVERVIEW General description of JPEG and the IJG software.
- LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
- REFERENCES Where to learn more about JPEG.
- ARCHIVE LOCATIONS Where to find newer versions of this software.
- ACKNOWLEDGMENTS Special thanks.
- FILE FORMAT WARS Software \*not\* to get.
- TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

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

change.log Version-to-version change highlights.

Programmer and internal documentation:

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

example.c Sample code for calling the JPEG library.

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

filelist.txt Road map of IJG files.

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

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

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

## OVERVIEW

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

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

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

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application.

We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

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

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

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

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## REFERENCES

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

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

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

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

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



technology.

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

The original JPEG standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

IJG JPEG 8 introduced an implementation of the JPEG SmartScale extension which is specified in two documents: A contributed document at ITU and ISO with title "ITU-T JPEG-Plus Proposal for Extending ITU-T T.81 for Advanced Image Coding", April 2006, Geneva, Switzerland. The latest version of this document is Revision 3. And a contributed document ISO/IEC JTC1/SC29/WG1 N 5799 with title "Evolution of JPEG", June/July 2011, Berlin, Germany.

IJG JPEG 9 introduces a reversible color transform for improved lossless compression which is described in a contributed document ISO/IEC JTC1/SC29/WG1 N 6080 with title "JPEG 9 Lossless Coding", June/July 2012, Paris, France.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. JFIF 1.02 has been adopted as an Ecma International Technical Report and thus received a formal publication status. It is available as a free download in PDF format from

<http://www.ecma-international.org/publications/techreports/E-TR-098.htm>.

A PostScript version of the JFIF document is available at

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

<http://www.ijg.org/files/jfif.txt.gz>, but it is missing the figures.

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

#### ARCHIVE LOCATIONS

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The "official" archive site for this software is [www.ijg.org](http://www.ijg.org).

The most recent released version can always be found there in directory "files". This particular version will be archived as <http://www.ijg.org/files/jpegsrvc.v9.tar.gz>, and in Windows-compatible

"zip" archive format as <http://www.iijg.org/files/jpegsr9.zip>.

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

It is available on the World Wide Web at <http://www.faqs.org/faqs/jpeg-faq/> and other news.answers archive sites, including the official news.answers archive at [rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/](ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/). If you don't have Web or FTP access, send e-mail to [mail-server@rtfm.mit.edu](mailto:mail-server@rtfm.mit.edu) with body  
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#### ACKNOWLEDGMENTS

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

Thank to Thomas Richter and Daniel Lee for inviting me to the ISO/IEC JTC1/SC29/WG1 (also known as JPEG, together with ITU-T SG16) meeting in Berlin, Germany.

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Thank to Andrew Finkenstadt for hosting the [iijg.org](http://iijg.org) site.

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

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

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

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

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

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

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better. However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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

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

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(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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\* hash.c: chained hash tables

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9.1.2 for fraud; or

9.1.3 for any other matter for which liability cannot be excluded by law.

9.2 Subject to clause 9.1, we shall not be liable to you for any of the following types of loss or damage arising under or in relation to this Agreement (whether in contract, tort (including negligence), breach of statutory duty, restitution or otherwise):

9.2.1 any loss of profits, business, contracts, anticipated savings, goodwill, or revenue; or

9.2.2 any loss, or corruption, of software or data; or

9.2.3 any loss of use of hardware, software or data; or

9.2.4 any indirect, special or consequential loss or damage whatsoever,

even if we have been advised in advance of the possibility of such loss or damage.

9.3 Subject to clauses 9.1 and 9.2, our aggregate liability under this Agreement (whether in contract, tort (including negligence),

breach of statutory duty, restitution or otherwise) shall be limited in all cases to the price paid for the Licensed Software. In relation to the Free Edition Software, Core Edition Software, Preview Software and Freeware, our sole liability under this Agreement, subject to clause 9.1, shall be as set out in clause 13.2 as amended by clause 5.8.

9.4 You acknowledge that the provisions of clauses 8, 9 and 13.1 are reasonable and reflected in the price which would be higher without those provisions, and you will accept such risk. In the event that any of the limitations or exemptions in this Agreement shall be found to be void, clauses 8, 9 and 13.1 shall be construed in accordance with clause 16.

## 10 TERM AND TERMINATION

10.1 The Licence shall commence upon your acceptance of its terms and shall continue in perpetuity unless terminated in accordance with clause 10.3 or 10.4, or otherwise in accordance with this Agreement.

10.2 Any Support Package you purchase will be provided for the Term, unless terminated in accordance with clause 10.3 or 10.4, or otherwise in accordance with this Agreement.

10.3 We may terminate the Licence and/or Support Package immediately and without notice if:

10.3.1 we reasonably suspect that you are using the Licensed Software for any purpose which contravenes the laws of England; or

10.3.2 you materially fail to comply with any provision of this Agreement.

10.4 The Licence will terminate automatically:

10.4.1 if you uninstall the Licensed Software, or uninstall and destroy or voluntarily return the Licensed Software to us; or

10.4.2 at the end of the Free Licence Period.

10.5 Where the Licence is terminated in accordance with clause 10.3 or 10.4, then the Agreement shall terminate in its entirety.

10.6 Upon termination of this Agreement, you must uninstall the Licensed Software and destroy all copies of the Licensed Software including all components of it in your power, possession or control.

10.7 The termination of this Agreement howsoever arising shall not affect the rights, duties and liabilities of either party accrued prior to termination. Following termination, no obligations or liabilities remain with us.

10.8 On termination of this Agreement, and except as under clause 10.5 above, the provisions of clause 1 (Definitions), 2 (Interpretation), 4 (Ownership of Intellectual Property Rights), clause 7 (Confidentiality), clauses 8.2 and 8.3 (Warranty), clause 9 (Limitation and Exclusion of Liability), clause 10 (Term and Termination), clause 11 (Audit), clause 13 (Third Party Claims), clauses 14 to 21 and paragraph 3 of Schedule 3, will remain in effect.

## 11 AUDIT

11.1 You agree that we shall have the right (where we reasonably suspect that the terms of clauses 5 and 6 have not been complied with or that you are otherwise in breach of this Agreement) upon reasonable notice to have an independent third party auditor enter your premises to audit any OSE system or electronic media onto which the Licensed Software or any adaptation, modification or copy of the Licensed Software has been installed in order to verify compliance with this Agreement. Prior to exercising such right to audit we and/or the third party auditor shall if required by you enter into an appropriate and reasonable confidentiality agreement. We will pay the costs of any such examination or audit unless such audit shows that additional fees are payable by you or that you are otherwise in breach of this Agreement, in which case you shall pay the costs of the examination or audit.

11.2 Where we reasonably conclude that additional Licence Fees are due from you under this Agreement, we shall make a request in writing. You shall pay such additional Licence Fees within thirty (30) days of the date of the request. Non payment of such fees shall, without prejudice to any other rights that we might have, give us the right to terminate this Agreement with immediate effect.

11.3 Where we reasonably conclude that you are otherwise in breach of this Agreement, we shall at our sole choice provide you with written notice of such breach and either (i) provide details of any remedial action required by you; or (ii) terminate this Agreement.

11.4 Where the SQL Comparison SDK is licensed to you, we shall also have the right to audit through independent certified public accountants all records and accounts of yours which contain information bearing upon the amount of Licensed Products licensed, sold or distributed by you. We shall ensure that such independent accountants are bound by confidentiality undertakings at least as onerous as those set out in clause 7. To the extent an examination and audit reveals more than 10 copies of Licensed Products incorporating Licensed Materials having been made, distributed, sold or licensed without the applicable licence fees having been paid, an appropriate payment shall be made promptly to us by you to reflect an amount of royalties agreed by the parties in relation to such Licensed Products, otherwise we may terminate this Agreement in accordance with clause 10.2.

## 12 DATA COLLECTION AND PRIVACY POLICY

Information on the data we collect about you and how we treat that data is set out in our Privacy Policy, which can be viewed at: <https://www.red-gate.com/our-company/about/legal>.

## 13 THIRD PARTY CLAIMS

13.1 Except as in clause 13.2 below, if a third party claims that the Licensed Software, as a result of your use of the Licensed Software, causes loss or damage whether in contract, tort (including negligence), breach of statutory duty, restitution or otherwise, then, without prejudice to our overall liability to such third party, you shall indemnify us from any such loss or damage.

13.2 If any claim is brought against you alleging that your use of the intellectual property associated with the Licensed Software infringes the rights of any third party, you shall promptly notify us and supply full details of the claim. The two of us shall consult together on an appropriate course of action and shall seek to minimise the effect of any claim on the respective businesses. We shall have the right, but not the obligation, to take control of all negotiations and litigation arising out of the claim. We will pay any damages and costs awarded against you in connection with any claim subject to a maximum of the aggregate sum of Licence Fees paid to us by you under this Agreement. We shall have the right, at our sole choice, either: (i) use reasonable endeavours to negotiate terms for continued use by you of the claimed infringing software; or (ii) use reasonable endeavours to amend the Licensed Software to make it non-infringing; or (iii) terminate this Agreement with immediate effect and in such event, we shall refund to you all Licence Fees paid.

## 14 GOVERNING LAW AND SETTLEMENT OF DISPUTES

14.1 This Agreement (and any dispute or claim relating to it, or its formation, existence, construction, performance, validity or termination) will be governed by and construed in accordance with the laws of England.

14.2 The courts of England and Wales shall have non-exclusive jurisdiction to settle any dispute or claim arising out of or in connection with this agreement or its subject matter or formation (including non-contractual disputes or claims).

14.3 Without prejudice to any other rights or remedies that we may have, you acknowledge and agree that damages alone would not be an adequate remedy for any breach of clauses 4, 5 and/or 7 by you. Accordingly, we shall be entitled to seek an injunction or other equitable relief for any threatened or actual breach of those clauses.

## 15 COMPLIANCE WITH APPLICABLE LAW

You acknowledge and agree that notwithstanding the fact that this Agreement is governed by the laws of England you may be subject to additional laws in other jurisdictions with respect to your use of the Licensed Software in such jurisdictions. You agree to comply with the laws of any such jurisdiction that apply to the Licensed Software including without limitation any applicable export laws or regulations.

## 16 SEVERABILITY

If any provision or part of any provision in this Agreement shall be found by any court, body or authority of competent jurisdiction to be illegal, invalid or unenforceable for any reason then the parties shall meet promptly to discuss in good faith and agree an alternative provision or part provision that provides as closely as possible, the same commercial effect as the original. If this happens then the remaining provisions or part provisions are unaffected.

## 17 NO WAIVER

No failure or delay by any party to exercise any right, power or remedy will operate as a waiver of it nor will any partial exercise preclude any further exercise of the same, or of some other right, power or remedy.

## 18 NO THIRD PARTY RIGHTS

We and you do not intend that any of this Agreement will be enforceable by virtue of the Contracts (Rights of Third Parties) Act 1999 by any person not a party to it and all rights by virtue of the Contracts (Rights of Third Parties) Act 1999 are hereby excluded.

## 19 ENTIRE AGREEMENT

This Agreement contains all the terms which the parties have agreed in relation to the subject matter of this Agreement and supersedes any prior written or oral agreements, representations (save for any fraudulent misrepresentation, fraud or

concealment) or understandings between the parties in relation to such subject matter.

## 20 REVISIONS TO TERMS

We reserve the right to revise the terms of this Agreement by updating this Agreement on our website, or by notifying you by post or by email. You are advised to check the website periodically for notices concerning such revisions. Your continued use of the Licensed Software shall be deemed to constitute acceptance of any revised terms.

## 21 NO ASSIGNMENT

21.1 The Licence is personal to you. You may not assign the benefit or delegate the burden of this Agreement or hold this Agreement on trust for any other person, provided that:

21.1.1 You shall, in relation to Per OSE Licensed Software, be entitled to assign or transfer the benefit of this Agreement once to another single OSE owned, leased and/or controlled by you or your employer or organisation for whom you have installed the Licensed Software for internal use. Any second or subsequent assignment or transfer of the benefit of this Agreement of Per OSE Licensed Software shall require our prior written consent, not to be unreasonably withheld; and

21.1.2 where the Licensed Software is Per OSE Licensed Software which includes a Client Component, you may use and install such Client Component on more than one OSE.

## 22 CONSUMER REGULATIONS

22.1 This clause applies to Consumers only.

22.2 You shall have the right to cancel this Agreement 14 days from the date you agree to be obliged to pay for the Licensed Software and/or Support Package under this Agreement.

22.3 Should you wish to cancel this Agreement under clause 22.2, you must notify us of your decision to cancel by either:

22.3.1 returning a completed Model Cancellation Form (a copy of which is available here:

<https://www.red-gate.com/our-company/about/legal> to us; or

22.3.2 sending us an email clearly confirming your decision to the relevant email address on the "Contact Us" page of our website.

22.4 If you have any complaints about this Agreement, including complaints about the Licensed Software and/or Support Package, please raise these with Red Gate using the relevant contact details on the "Contact Us" page of our website.

## SCHEDULE 1

### PER OSE SOFTWARE

SmartAssembly

SmartAssembly Pro

SQL Backup

SQL Backup Lite

SQL Backup Pro

SQL Backup Standard

SQL Hyperbac

SQL Monitor

SQL Response

SQL Storage Compress

SQL Virtual Restore

## SCHEDULE 2

### PER USER SOFTWARE

.NET Demon

.NET Reflector Standard

.NET Reflector VS

.NET Reflector VSPro

ANTS Performance Profiler

ANTS Memory Profiler

ANTS Performance Profiler Pro

Data Compare for Oracle

DLM Automation\* (only available as part of the SQL Toolbelt, for purchases after 13th June 2016)  
Exception Hunter  
MySQL Compare  
MySQL Data Compare  
ReadyRoll Pro (only available as part of the SQL Toolbelt, for purchases after 31st May 2017)  
Schema Compare for Oracle  
Schema Doc for Oracle  
SmartAssembly Developer  
Source Control for Oracle  
SQL Compare  
SQL Compare Pro  
SQL Comparison SDK  
SQL Connect  
SQL Data Compare  
SQL Data Compare Pro  
SQL Dependency Tracker  
SQL Data Generator  
SQL Doc  
SQL Multi Script 5 Server  
SQL Multi Script 10 Server  
SQL Multi Script  
SQL Multi Script Unlimited  
SQL Object Level Recovery Native  
SQL Packager  
SQL Packager Pro  
SQL Prompt  
SQL Prompt Pro  
SQL Refactor  
SQL Source Control  
SQL Test

\*The DLM Automation Components within DLM Automation are:

DLM Automation engine  
DLM Automation PowerShell cmdlets  
SQL Compare Pro command line  
SQL Data Compare Pro command line  
SQL Data Generator command line  
SQL Doc command line  
Redgate (SQL Server) JetBrains TeamCity plugin  
Redgate (SQL Server) Visual Studio Team Services Build extension  
Redgate (SQL Server) Visual Studio Team Services Release extension  
Redgate (SQL Server) Jenkins plugin  
Redgate (SQL Server) Atlassian Bamboo plugin  
Redgate (SQL Server) Octopus Deploy step templates

### SCHEDULE 3

#### SQL COMPARISON SDK

RedGate.SQLCompare.Engine.dll  
RedGate.SQLDataCompare.Engine.dll  
and their dependencies



SQL Comparison SDK additional terms:

The following additional terms shall apply to the Licensed Software listed in this Schedule:

1 Subject to paragraphs 3 and 4 of this Schedule and clause 11, you may use or incorporate up to 10 copies of any set of the files which comprise the Licensed Software and which are listed in this Schedule 3 (the "Licensed Materials") into up to 10 future products for onward Distribution or internal use (the "Licensed Products") on Licence terms substantially similar to those contained in the Licence.

2 If you use and/or distribute any of the Licensed Materials in accordance with paragraphs 1, 3 and 4 of this Schedule and clause 11, you agree to comply with the following provisions:

2.1 you will distribute such files solely as part of a specific-purpose application program written using an authorized copy of the Licensed Software;

2.2 you remain solely responsible for support, service, upgrades and technical or other assistance relating to such files;

2.3 you will not use our name or logo without our prior written permission;

2.4 you will indemnify and keep indemnified and hold us harmless from and against all costs (including the costs of enforcement and reasonable legal costs), expenses, liabilities, injuries, direct, indirect or consequential loss, pure economic loss, loss of profits, loss of business, loss of employment, or depletion of goodwill and like loss arising out of the use, reproduction or distribution of Licensed Products incorporating Licensed Materials;

2.5 you will ensure that all your third party licensees of the Licensed Products comply with the terms of the Licence; and

2.6 you will not use the Licensed Materials, SQL Comparison SDK or other Licensed Software to manufacture or distribute a product that is substantially similar to or competitive with our Licensed Software and/or SQL Comparison SDK.

3 You will keep full and accurate records for copies and supplies of Licensed Products and shall, if requested, supply us with a statement giving details of all Licensed Products supplied to any person.

4 You shall only be permitted to distribute a maximum of 10 copies of the SQL Comparison SDK or any part thereof in Licensed Products. If you wish to distribute more than 10 copies of the SQL Comparison SDK or any part thereof in Licensed Products, then you must apply in writing to us, at our registered office, requesting a full commercial licence which will be subject to the payment of royalties as agreed between the parties.

5 If you breach the terms set out in this Schedule, we may terminate the Licence in accordance with the provisions of clause 10.

#### SCHEDULE 4

##### BUNDLE TITLES AND ASSOCIATED LINKED SOFTWARE

For convenience, we provide certain of the Software as packages or bundles of a number of the software products. The Bundle titles and the Linked Software associated with each Bundle are:

Deployment Suite for Oracle Data Compare for Oracle

Schema Compare for Oracle

Schema Doc for Oracle (removed March 2013)

Source Control for Oracle

SQL Backup & Restore Bundle SQL Backup Pro

(Bundle retired March 2013) SQL HyperBac

SQL Virtual Restore

SQL Toolbelt DLM Automation

ReadyRoll Pro

SQL Backup Pro

SQL Compare Pro

SQL Comparison SDK

SQL Connect (removed November 2014)

SQL Data Compare Pro

SQL Data Generator

SQL Dependency Tracker

SQL Doc

SQL Monitor  
SQL Multi Script Unlimited  
SQL Object Level Recovery Native (removed November 2014)  
SQL Packager (removed November 2014)  
SQL Prompt Pro  
SQL Search  
SQL Source Control  
SQL Test

SQL Developer Bundle SQL Compare Pro  
SQL Connect (removed November 2014)  
SQL Data Compare Pro  
SQL Data Generator  
SQL Dependency Tracker  
SQL Doc  
SQL Multi Script Unlimited  
SQL Packager (removed November 2014)  
SQL Prompt Pro  
SQL Search  
SQL Source Control  
SQL Test

SQL Comparison Bundle SQL Compare  
SQL Data Compare  
SQL Dependency Tracker  
SQL Packager (removed November 2014)  
SQL Search

SQL Prompt Bundle SQL Data Generator  
SQL Dependency Tracker  
SQL Doc  
SQL Prompt Pro  
SQL Search

SQL DBA Bundle SQL Backup Pro  
SQL Compare  
SQL Data Compare  
SQL Doc  
SQL HyperBac (removed March 2013)  
SQL Monitor  
SQL Multi Script Unlimited  
SQL Prompt  
SQL Virtual Restore (removed March 2013)

.NET Developer Bundle .NET Reflector VSPro  
ANTS Memory Profiler  
ANTS Performance Profiler Pro

.NET Development Suite .NET Demon Commercial (removed November 2014)  
(Bundle retired November 2014) .NET Reflector VSPro  
ANTS Memory Profiler  
ANTS Performance Profiler Pro

SQL Connect (removed November 2014)  
SQL Prompt Pro

.NET Toolbelt .NET Demon Commercial (removed November 2014)  
.NET Reflector VSPro  
ANTS Memory Profiler  
ANTS Performance Profiler Pro  
SmartAssembly Professional  
SQL Connect (removed November 2014)  
SQL Prompt Pro (removed November 2014)

VS Productivity Pack .NET Demon Commercial  
(Bundle retired October 2013) .NET Reflector VSPro  
SQL Connect  
SQL Prompt Pro

SQL Developer Suite SQL Compare Pro  
(Suite removed July 2016) SQL Data Compare Pro  
SQL Data Generator  
SQL Doc  
SQL Prompt Pro  
SQL Search  
SQL Source Control  
SQL Test

SQL Toolbelt Essentials SQL Compare Pro  
SQL Data Compare Pro  
SQL Data Generator  
SQL Doc  
SQL Prompt Pro  
SQL Search  
SQL Source Control  
SQL Test

DLM Automation Suite Red Gate (SQL Server) Team City plugin  
(Suite removed April 2016) Red Gate (SQL Server) TFS Build plugin  
SQL CI  
SQL Compare Pro  
SQL Data Compare Pro  
SQL Data Generator  
SQL Doc  
SQL Packager  
DLM Engine

DLM Automation Suite for Oracle Data Compare for Oracle  
(Suite removed August 2016) Schema Compare for Oracle

Note that "Per Automation Agent Licensed Software" means the automation capabilities of the tools belonging to the DLM Automation Suite and the Deployment Suite for Oracle

SCHEDULE 5  
SUPPORT PACKAGE

We provide support and upgrade services for specific Licensed Software products. An outline of the Support Package is given below and further details may be available from our website. Subject to payment of the relevant fee for the Support Package, the following shall apply:

- 1 The Support Package is purchased on an annual, non refundable, basis in advance except for Software provided on a subscription basis where the fees for the Support Package are included in the relevant subscription fee.
- 2 We shall supply upgrades to the Licensed Software as they are released.
- 3 We shall respond to email support requests from you within a reasonable period, normally one business day. Where we consider it necessary to facilitate efficient communication, we may contact you by telephone or otherwise.
- 4 We shall use reasonable endeavours to solve problems identified by you. Given the nature of software, it is not possible for us to warrant that we will be able to solve any particular problem in a given timescale, or at all. However, we undertake to keep you updated on progress and, where practical, provide an interim fix and/or workaround so that you can continue effective use of the Licensed Software.
- 5 You accept that, where a particular identified problem requires an update to the Licensed Software, the scheduling of any new releases and the functionality those releases contain shall be under our sole control.

#### SCHEDULE 6 HANDLING OF TAXES

For the purposes of this Schedule, "Withholding Tax" means any tax deducted at source for payments (typically interest, dividend or royalties) to a foreign corporation, as determined by the payer's domestic tax legislation.

Payment of Licence Fees shall not be reduced on account of any taxes unless required by any applicable laws. We shall be responsible for paying any and all taxes (other than Withholding Taxes required by any applicable law to be paid by you) levied on account of, or measured in whole or in part by reference to, any payments we receive. You shall deduct or withhold from payment of the Licence Fees any taxes that you are required by applicable law to deduct or withhold. Notwithstanding the foregoing, if we are entitled under any applicable tax treaty or convention to a reduction of rate of, or the elimination of, applicable Withholding Tax, we may deliver to you or the appropriate governmental authority (with your assistance to the extent that this is reasonably required) the prescribed forms necessary to reduce the applicable rate of withholding or to relieve you of your obligation to withhold tax. You shall render all reasonable assistance to us for this purpose as is requested by us (such assistance to include the signing by you or any of your officers of any required forms or other document so required). You shall apply the reduced rate of withholding, or dispense with withholding, as the case may be, provided that you have received evidence, in a form satisfactory to you, of our delivery of all applicable forms (and, if necessary, the receipt of appropriate governmental authorisation) at least 7 (seven) days prior to the time that the payments to us are due. If, in accordance with the foregoing, you withhold any amount from a payment to us ("Withholding"), you shall (subject to the provisions of this clause) pay to us the payment net of the Withholding when due, and shall account to the proper tax authority for the Withholding. You shall send to us proof of such Withholding and that such Withholding has been accounted to the proper tax authority (through a self-declaration issued by you) within 30 (thirty) days following payment of the Withholding to the tax authority and shall, if requested by us, provide to us a copy of any return made to a tax authority of the Withholding within 10 days of request (or, if later, within 10 days of such return being made to the relevant tax authority). We shall have the right, if permissible under applicable laws, to require you to delay payment of Licence Fees in order to enable us to benefit from any applicable double taxation or other taxation treaties or conventions. You shall indemnify, keep indemnified and hold harmless, us against all losses incurred or suffered by us arising out of your failure to duly and timely pay any tax to the applicable tax Authorities or other authorities within the relevant period in accordance with this clause.

#### SCHEDULE 7 PER AUTOMATION AGENT LICENSED SOFTWARE

DLM Automation Suite (purchased before 13th June 2016)  
DLM Automation Suite for Oracle

SCHEDULE 8  
RED GATE CORE EDITION SOFTWARE FOR VISUAL STUDIO 2017 (ONLY)

ReadyRoll Core Edition  
SQL Prompt Core Edition  
ReadyRoll Pro  
SQL Prompt Pro  
SQL Search

SCHEDULE 9  
LICENCE PERIOD FOR SCHEDULE 8 SOFTWARE (ONLY)

ReadyRoll Core Edition: 28 days from when it is initially installed by or on behalf of you, becoming perpetual if you create a Redgate account when prompted.

SQL Prompt Core Edition: 28 days from when it is initially installed by or on behalf of you, becoming perpetual if you create a Redgate account when prompted.

ReadyRoll Pro: 28 day trial licence from when a trial is commenced through the in-product dialog by or on behalf of you. At the end of 28 days you can decide whether to (a) obtain a paid up licence for ReadyRoll Pro\*, or (b) move to a perpetual licence of ReadyRoll Core Edition, or (c) request a trial extension.

SQL Prompt Pro: 28 day trial licence from when a trial is commenced through the in-product dialog by or on behalf of you. At the end of 28 days you can decide whether to (a) obtain a paid up licence for SQL Prompt Pro, or (b) move to a perpetual licence of SQL Prompt Core Edition, or (c) request a trial extension.

SQL Search: 28 days from when it is initially installed by or on behalf of you, becoming perpetual if you create a Redgate account when prompted.

\* A licence for ReadyRoll Pro is only available as part of a licence of the Bundle known as SQL Toolbelt.

SCHEDULE 10  
SQL CLONE

SQL Clone additional terms:

The following additional terms shall apply to the Licensed Software listed in this Schedule:

1. SQL Clone is licensed by number of SQL Clone Entitlements per SQL Clone Server. For each SQL Clone Server you wish to install you need a separate licence of SQL Clone.
2. A SQL Clone Entitlement is required by anyone creating clones using the SQL Clone Server, as well as anyone connecting to cloned databases to develop software.
3. Where 20 or fewer SQL Clone Entitlements are required, the SQL Clone Entitlements may only be purchased in licence packs, as specified on our website.
4. For each SQL Clone Server:
  - 4.1 use is limited to and shall not exceed the number of SQL Clone Entitlements you have purchased for that SQL Clone Server;
  - 4.2 there is no limit on the number of agents you may download or clones you may create.
5. SQL Clone Entitlements cannot be shared between SQL Clone Servers.
6. SQL Clone Entitlements may not be shared by users, except where the SQL Clone Entitlement is permanently re-assigned to a new user.
7. To continue to make use of your licence for SQL Clone, we may require you to update to the latest free version of the Licensed Software we make available from time to time.

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END OF Red Gate 'Data Tools' NOTICES AND INFORMATION

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memory-stats.js

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// requestAnimationFrame polyfill by Erik Moller, fixes from Paul Irish and Tino Zijdel

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// Original can be found at:

// <https://bitbucket.org/lindenlab/lld>

// Modifications by Joshua Bell [inexorabletash@gmail.com](mailto:inexorabletash@gmail.com)

// <https://github.com/inexorabletash/polyfill>

// ES3/ES5 implementation of the Khronos 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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Typed Rest Client for Node.js

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IPV6.js

Javascript to test an IPv6 address for proper format, and to present the "best text representation" according to IETF Draft RFC at <http://tools.ietf.org/html/draft-ietf-6man-text-addr-representation-04>  
8 Feb 2010 Rich Brown, Dartware, LLC  
Please feel free to use this code as long as you provide a link to <http://www.intermapper.com>  
<http://intermapper.com/support/tools/IPV6-Validator.aspx>  
<http://download.dartware.com/thirdparty/ipv6validator.js>

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

Acknowledgments: The deflate format used by zlib was defined by Phil Katz. The deflate and zlib specifications were written by L. Peter Deutsch.

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  8. Active Directory Authentication Library (ADAL) for .NET (<https://github.com/AzureAD/azure-activedirectory-library-for-dotnet>)
  9. ActiveState cookbook recipe "Remove duplicates from a sequence"
  10. Adrian Mato Gondelle (<http://yensdesign.com/2008/09/how-to-create-a-stunning-and-smooth-popup-using-jquery/>)
  11. agent-base (<https://github.com/TooTallNate/node-agent-base>)
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  54. array-uniq (<https://github.com/sindresorhus/array-uniq>)
  55. arrify (<https://github.com/sindresorhus/arrify>)
  56. artifact-engine (artifact-engine)
  57. asap (<https://github.com/kriskowal/asap>)
  58. ASM (<https://www.ow2.org/>)
  59. asm-analysis (<https://www.ow2.org/>)
  60. ASMJS Validator (<https://hg.mozilla.org/integration/mozilla-inbound/rev/100721f9718f>)
  61. asm-tree (<https://www.ow2.org/>)
  62. asn1 (<https://github.com/mcavage/node-asn1>)
  63. ASP.NET (<http://www.asp.net/>)
- Includes: ASP.NET Core (<https://github.com/aspnet/AspNetCore>)
- Includes: SignalR (<https://github.com/SignalR/SignalR>)
- Includes: Web Stack Components (MVC) (<https://github.com/aspnet/AspNetWebStack>)
- Includes: Web Stack Components (WebAPI) (<https://github.com/aspnet/AspNetWebStack>)
- Includes: Web Stack Components (Web Pages) (<https://github.com/aspnet/AspNetWebStack>)
- Includes: Caching (<https://github.com/aspnet/Caching>)
- Includes: Common (<https://github.com/aspnet/Common>)
- Includes: Configuration (<https://github.com/aspnet/Configuration>)
- Includes: CORS (<https://github.com/aspnet/CORS>)
- Includes: DataCommon.SQLite (<https://github.com/aspnet/Microsoft.Data.Sqlite>)
- Includes: DataProtection (<https://github.com/aspnet/DataProtection>)
- Includes: DependencyInjection (<https://github.com/aspnet/DependencyInjection>)
- Includes: Diagnostics (<https://github.com/aspnet/Diagnostics>)
- Includes: dnvm (<https://github.com/aspnet/dnvm>)
- Includes: dnx (<https://github.com/aspnet/dnx>)
- Includes: Entropy (<https://github.com/aspnet/Entropy>)
- Includes: FileSystem (<https://github.com/aspnet/FileSystem>)
- Includes: Hosting (<https://github.com/aspnet/Hosting>)
- Includes: HttpAbstractions (<https://github.com/aspnet/HttpAbstractions>)
- Includes: HttpClient (<https://github.com/aspnet/HttpClient>)
- Includes: Identity (<https://github.com/aspnet/Identity>)
- Includes: jquery-ajax-unobtrusive (<https://github.com/aspnet/jquery-ajax-unobtrusive>)
- Includes: jquery-validation-unobtrusive (<https://github.com/aspnet/jquery-validation-unobtrusive>)



Includes: KestrelHttpServer (<https://github.com/aspnet/KestrelHttpServer>)  
Includes: Logging (<https://github.com/aspnet/Logging>)  
Includes: Options (<https://github.com/aspnet/Options>)  
Includes: Razor (<https://github.com/aspnet/Razor>)  
Includes: Routing (<https://github.com/aspnet/Routing>)  
Includes: Scaffolding (<https://github.com/aspnet/Scaffolding>)  
Includes: Security (<https://github.com/aspnet/Security>)  
Includes: Session (<https://github.com/aspnet/Session>)  
Includes: Signing (<https://github.com/aspnet/Signing>)  
Includes: StaticFiles (<https://github.com/aspnet/StaticFiles>)  
Includes: Testing (<https://github.com/aspnet/Testing>)  
Includes: UserSecrets (<https://github.com/aspnet/UserSecrets>)  
Includes: vsweb-publish (<https://github.com/aspnet/vsweb-publish>)  
Includes: WebSocketAbstractions (<https://github.com/aspnet/WebSocketAbstractions>)  
Includes: WebSockets (<https://github.com/aspnet/WebSockets>)  
64. assert-plus (<https://github.com/mcavage/node-assert-plus>)  
65. ast-traverse (<https://github.com/olov/ast-traverse>)  
66. ast-types (<https://github.com/benjamn/ast-types>)  
67. async (<https://github.com/caolan/async>)  
68. async-some (<https://github.com/othiym23/async-some>)  
69. Attractive Chaos' h.h (<https://github.com/attractivechaos/klib/blob/master/khash.h>)  
70. Autogrow Textarea Plugin (<https://github.com/jevin/Autogrow-Textarea>)  
71. AutoRest (<https://github.com/Azure/autorest>)  
72. aws4 (<https://github.com/mhart/aws4>)  
73. aws-sign2 (<https://github.com/request/aws-sign>)  
74. axios (<https://github.com/mzabriskie/axios>)  
75. axon (<https://github.com/visionmedia/axon>)  
76. Azure Key Vault (<https://github.com/Azure/AutoRest>)  
77. azure-storage-net (<https://github.com/Azure/azure-storage-net>)  
78. azure-storage-net-data-movement (<https://github.com/Azure/azure-storage-net-data-movement>)  
79. Babel (Babylon) (<https://github.com/babel/babel/>)  
80. Babel-eslint (<https://github.com/babel/babel-eslint/>)  
81. babel-plugin-constant-folding (<https://www.npmjs.com/package/babel-plugin-constant-folding>)  
82. babel-sublime (<https://github.com/babel/babel-sublime>)  
Includes: get-stdin  
83. balanced-match (<https://github.com/juliangruber/balanced-match>)  
84. Batch File (Sublime Packages) (<https://github.com/sublimehq/Packages>)  
85. Beautify-html.js (<https://github.com/einars/js-beautify>)  
86. BERKELEY YACC (<http://dickey.his.com/byacc/byacc.html>)  
87. binary (<https://github.com/substack/node-binary>)  
88. binutils (<https://www.gnu.org/software/binutils>)  
Includes: amd64-match.S  
Includes: libffi  
89. bl (Buffer List) (<https://github.com/rvagg/bl>)  
90. block-stream (<https://github.com/isaacs/block-stream>)  
91. bluebird (<http://github.com/petkaantonov/bluebird>)  
92. Boehm-Demers-Weiser conservative garbage collector (<https://github.com/mono/mono/tree/master/libgc/include>)  
93. boom (<https://github.com/hapijs/boom>)  
94. Boost (<http://www.boost.org/>)  
95. Boost Test Library (<http://boost.sourceforge.net/libs/test/doc/index.html>)  
96. Boost Unit Test Adapter (<https://github.com/etas/vs-boost-unit-test-adapter>)  
97. bootstrap (<https://github.com/twbs/bootstrap>)

98. Bootstrap (verion 3.0.0) (<http://nuget.org/packages/Twitter.Bootstrap>)

99. bootstrap-touch-carousel (<https://github.com/ixisio/bootstrap-touch-carousel>)

100. BoringSSL (<https://github.com/mono/boringssl>)

101. Bouncy Castle (<https://www.bouncycastle.org/csharp/>)

Includes: Implementation of the OCB Authenticated-Encryption Algorithm (<https://tools.ietf.org/html/rfc7253>)

Includes: JZLib (<http://www.jcraft.com/jzlib>)

Includes: secp256k1 (<https://github.com/bitcoin-core/secp256k1>)

102. Bouncy Castle JCE (<http://www.bouncycastle.org/viewcvsv/viewcvsv.cgi/java/crypto/>)

103. Bower (<https://github.com/bower/bower>)

104. bower-config (<https://github.com/bower/config>)

105. bower-endpoint-parser (<https://github.com/bower/endpoint-parser>)

106. bower-json (<https://github.com/bower/json>)

107. bower-logger (<https://github.com/bower/logger>)

108. bower-registry-client (<https://github.com/bower/registry-client>)

109. brace-expansion (<https://github.com/juliangruber/brace-expansion>)

110. breakable (<https://github.com/olov/breakable>)

111. browserkeymap (<https://github.com/marijnh/browserkeymap>)

112. BSD fnmatch (<http://opensource.apple.com/source/gcc/gcc-5666.3/libiberty/bsearch.c>)

113. BSD glibc bsearch (<http://www.gnu.org/software/libc/download.html>)

114. buddy.js (<https://github.com/danielstjules/buddy.js>)

115. buffer-crc32 (<https://github.com/brianloveswords/buffer-crc32>)

116. buffer-equal-constant-time (<https://github.com/salesforce/buffer-equal-constant-time>)

117. buffers (<https://github.com/substack/node-buffers>)

118. buffers (DefinitelyTyped) (<https://github.com/DefinitelyTyped/DefinitelyTyped/tree/master/buffers>)

119. buffer-shims (<https://github.com/calvinmetcalf/buffer-shims>)

120. builtin-modules ( <https://github.com/sindresorhus/builtin-modules>)

121. builtins (<https://github.com/juliangruber/builtins>)

122. C++ Standard Library (<https://github.com/Microsoft/stl>)

123. camelcase (<https://github.com/sindresorhus/camelcase>)

124. Camellia (<http://www.openssl.org/~appro/camellia/>)

125. capture-stack-trace (<https://github.com/floatdrop/capture-stack-trace>)

126. cardinal (<https://github.com/thlorenz/cardinal/>)

127. c-ares (<http://c-ares.haxx.se>)

128. caseless (<https://github.com/request/caseless/>)

129. cctools

130. cecil (<https://github.com/jbevain/cecil/>)

Includes: cci

Includes: CryptoConvert.cs

Includes: Files copyright Juerg Billeter

Includes: Files copyright Microsoft

Includes: Files copyright Novell, Inc.

Includes: Files copyright Ximian, Inc.

Includes: Files copyright Ximian, Inc. and Xamarin Inc

131. center-align (<https://github.com/jonschlinkert/center-align>)

132. cfe (<https://llvm.org/>)

Includes: unicode.org code

133. CF-Lite

134. CFStreamAbstract.h

135. chainsaw (<https://github.com/substack/node-chainsaw>)

136. chalk (<https://github.com/chalk/chalk>)

137. chmodr (<https://github.com/isaacs/chmodr>)

138. chownr (<https://github.com/isaacs/chownr>)

139. Chris Swenson's sorting routine implementations (<https://github.com/swenson/sort>)
140. Chromium (<https://www.chromium.org/Home>)
141. ch-siphash (<https://github.com/tanglebones/ch-siphash>)
142. cityhash (<https://github.com/google/cityhash>)
143. clang (<https://clang.llvm.org/>)  
Includes: unicode.org code
144. clang-tools-extra (<https://llvm.org/>)
145. CLAP.dll (<http://adrianaisemberg.github.io/CLAP/#what>)
146. cli-cursor (<https://github.com/sindresorhus/cli-cursor>)
147. Clide (<https://github.com/clariuslabs/clide>)
148. cliui (<https://github.com/bcoe/cliui>)
149. cli-width (<https://github.com/knownasilya/cli-width>)
150. Clojure (<https://github.com/mmcgrana/textmate-clojure>)
151. clone (<https://github.com/pvorb/node-clone>)
152. CLR Instrumentation Engine (<https://github.com/Microsoft/CLRInstrumentationEngine>)
153. CMake (daemon mode) (<https://github.com/steveire/CMake/tree/cmake-daemon>)  
Includes: Add/Remove\_Functionality
154. CMake (<https://github.com/Kitware/CMake/>)  
Includes: Add/Remove\_Functionality  
Includes: cfmakeraw for Solaris  
Includes: Files copyright Fredrik Ehnбом  
Includes: GitHub Gist  
Includes: NSIS  
Includes: RFC 1321  
Includes: RFC 3174  
Includes: vs-setup-samples  
Includes: Zstandard
155. CMake For VisualStudio Code TextMate grammar files (<https://github.com/twxs/vs.language.cmake/>)
156. cmd-shim (<https://github.com/ForbesLindesay/cmd-shim>)
157. CNNICHashWhitelist.inc
158. CodePoint (<https://github.com/mathiasbynens/String.fromCodePoint>)
159. code-point-at (<https://github.com/sindresorhus/code-point-at>)
160. code-prettify (<https://github.com/google/code-prettify>)
161. Coffeelint (<https://github.com/clutchski/coffeelint>)
162. CoffeeScript (<https://github.com/jashkenas/coffeescript>)
163. columnify (<https://github.com/timoxley/columnify>)
164. combined-stream (<https://github.com/felixge/node-combined-stream>)
165. Command Line Parser Library (<https://github.com/commandlineparser/commandline>)
166. commander (<https://github.com/tj/commander.js>)
167. commoner (<https://github.com/reactjs/commoner>)
168. CommonServiceLocator (<http://commonservicelocator.codeplex.com/>)
169. compress-commons (<https://github.com/archiverjs/node-compress-commons>)
170. concat-map (<https://github.com/substack/node-concat-map>)
171. concat-stream (<https://github.com/maxogden/concat-stream>)
172. config-chain (<http://github.com/dominictarr/config-chain>)
173. configstore (<https://github.com/yeoman/configstore>)
174. convert-source-map (<https://github.com/thlorenz/convert-source-map>)
175. copy-to-clipboard (<https://github.com/sudodoki/copy-to-clipboard>)
176. coreclr (<https://github.com/mazong1123/coreclr/>)
177. CoreFX (<https://github.com/dotnet/corefx>)
178. corefxlab (<https://github.com/dotnet/corefxlab>)
179. core-js (<https://github.com/zloirock/core-js>)

180. core-util-is (<https://github.com/isaacs/core-util-is>)

181. coverlet (<https://github.com/tonerdo/coverlet>)

182. cpp-textmate-grammar (<https://github.com/jeff-hykin/cpp-textmate-grammar>)

183. Crc32-stream (<https://github.com/archiverjs/node-crc32-stream>)

184. create-error-class (<https://github.com/floatdrop/create-error-class/>)

185. cryptiles (<https://github.com/hapijs/cryptiles>)

186. csharp (omnisharp-vscode) (<https://github.com/omniSharp/omnisharp-vscode>)

187. CSSLint (<https://github.com/CSSLint/csslint>)

188. Ctt (<https://ctt.codeplex.com>)

189. ctype (<https://github.com/rmustacc/node-ctype>)

190. cURL (<https://curl.haxx.se>)

191. d (<https://github.com/medikoo/d>)

192. D3.js (<http://d3js.org/>)

193. Daniel Cazzulino  
(<https://web.archive.org/web/20080503122031/http://www.clariusconsulting.net/blogs/kzu/archive/2008/03/10/58301.aspx>)

194. DataJS (<http://datajs.codeplex.com/>)

195. Datejs version 1.0 Alpha-1 (<http://www.datejs.com/>)

196. debug (<https://github.com/visionmedia/debug>)

197. debuglog (<https://github.com/sam-github/node-debuglog>)

198. decamelize (<https://github.com/sindresorhus/decamelize>)

199. decompress-zip (<https://github.com/bower/decompress-zip>)

200. deep-eql (<https://github.com/chaijs/deep-eql>)

201. deep-extend (<https://github.com/unclechu/node-deep-extend/>)

202. deep-is (<https://github.com/thlorenz/deep-is>)

203. deepmerge (<https://github.com/KyleAMathews/deepmerge>)

204. defaults (<https://github.com/tmpvar/defaults>)

205. defined (<https://github.com/substack/defined>)

206. DefinitelyTyped (definitions) (<https://github.com/borisyankov/DefinitelyTyped>)

207. DefinitelyTyped react-copy-to-clipboard (<https://github.com/DefinitelyTyped/DefinitelyTyped>)

208. defs (<https://github.com/olov/defs>)

209. del (<https://github.com/sindresorhus/del>)

210. delayed-stream (<https://github.com/felixge/node-delayed-stream>)

211. delegates (<https://github.com/visionmedia/node-delegates>)

212. destroy (<https://github.com/stream-utils/destroy>)

213. detect-indent (<https://github.com/sindresorhus/detect-indent>)

214. detective (<https://github.com/substack/node-detective>)

215. dezaigo (<https://github.com/npm/dezaigo>)

216. DocBook XSL stylesheets

217. Dockerfile.tmlanguage

218. doctrine (<https://github.com/eslint/doctrine>)

219. Document Object Model (<https://www.w3.org/DOM/>)

220. DOMPurify (<https://github.com/cure53/DOMPurify>)

221. DotNetOpenAuth (<http://www.dotnetopenauth.net/>)

222. DotNetZip (<http://dotnetzip.codeplex.com/>)

223. dtl (<https://github.com/cubicdaiya/dtl>)

224. duplexify (<https://github.com/mafintosh/duplexify>)

225. ecc-jsbn (<https://github.com/quartzjer/ecc-jsbn>)  
Includes: jsbn; jsbn-ec-point-compression

226. ECMAScript 5 Shims ([https://developer.mozilla.org/en-US/docs/JavaScript/Reference/Global\\_Objects/Array/filter](https://developer.mozilla.org/en-US/docs/JavaScript/Reference/Global_Objects/Array/filter))

227. editor (<https://github.com/substack/node-editor>)

228. Elasticsearch (<https://github.com/elastic/elasticsearch>)  
Includes: Apache Lucene Java

Includes: Apache Lucene Solr  
Includes: Coda Hale's metrics  
Includes: Google Guava  
Includes: Google Guice  
Includes: Javolution UTF8ByteBufferWriter.java  
Includes: jsr292-cookbook  
Includes: Netty  
Includes: netty-http-pipelining  
Includes: Spring Framework  
229. elasticsearch-analysis-stconvert (<https://github.com/medcl/elasticsearch-analysis-stconvert>)  
230. elasticsearch-net (<https://github.com/elastic/elasticsearch-net>)  
Includes: Paket  
Includes: RazorMachine  
Includes: SolrNet  
231. electron (<https://github.com/atom/electron>)  
Includes: bluebird  
Includes: Brightray (<https://github.com/electron/brightray>)  
Includes: Crashpad (<https://crashpad.chromium.org/index.html>)  
Includes: cfmakeraw for Solaris  
Includes: Files copyright Andy Polyakov (<http://www.openssl.org/~appro/camellia/>)  
Includes: Files copyright Felix Rieseberg, et al.  
Includes: Files copyright GitHub, Inc.  
Includes: Files copyright Intel  
Includes: Files from Chromium  
Includes: Github Gist "Regular Expression for URL validation"  
Includes: index.d.ts  
Includes: MinGW  
Includes: native-mate (<https://github.com/zcbenz/native-mate>)  
Includes: nghttp2  
Includes: Node.js (<https://nodejs.org/>)  
Includes: node-webkit (<https://github.com/barretron/node-webkit>)  
Includes: npm (<https://www.npmjs.com>)  
Includes: pdf\_viewer  
Includes: Punycode (<https://github.com/bestiejs/punycode.js>)  
Includes: RFC 2412 and RFC 3526  
Includes: Unicode Standard Annex  
Includes: unorm (<https://github.com/walling/unorm/>)  
Includes: vtune (<http://software.intel.com>)  
Includes: WebKit (<https://webkit.org>)  
Includes: windows\_toast\_notification  
232. end-of-stream (<https://github.com/mafintosh/end-of-stream>)  
233. EnterpriseLibrary (<http://entlib.codeplex.com/>)  
Includes: EnterpriseLibrary.Common (<http://entlib.codeplex.com/>)  
Includes: EnterpriseLibrary.Logging (<http://entlib.codeplex.com/>)  
234. Entity Framework (<http://entityframework.codeplex.com/>)  
235. errno-codes (<https://www.npmjs.com/package/errno-codes>)  
236. error-ex (<https://github.com/qix-/node-error-ex>)  
237. es5-ext (<https://github.com/medikoo/es5-ext>)  
238. es6-iterator (<https://github.com/medikoo/es6-iterator>)  
239. es6-map (<https://github.com/medikoo/es6-map>)  
240. es6-set (<https://github.com/medikoo/es6-set>)  
241. es6-shim (<https://github.com/paulmillr/es6-shim/>)

242. es6-symbol (<https://github.com/medikoo/es6-symbol>)  
243. es6-weak-map (<https://github.com/medikoo/es6-weak-map>)  
244. escape-string-regexp (<https://github.com/sindresorhus/escape-string-regexp>)  
245. escope (<http://github.com/estools/escope>)  
246. ESLint (<https://github.com/eslint/eslint>)  
247. ESLint-config-defaults (<https://github.com/walmartlabs/eslint-config-defaults>)  
248. ESLint-config-standard (<https://github.com/feross/eslint-config-standard>)  
249. ESLint-plugin-react (<https://github.com/yannickcr/eslint-plugin-react>)  
250. ESLint-plugin-standard (<https://github.com/xjamundx/eslint-plugin-standard>)  
251. Espree (<https://github.com/eslint/espree>)  
252. esprima (<https://github.com/ariya/esprima>)  
253. Esprima.js (<http://esprima.org/>)  
254. esprima-fb (<https://github.com/facebook/esprima/tree/fb-harmony>)  
255. esrecurse (<http://github.com/estools/esrecurse>)  
256. estraverse (<https://github.com/estools/estraverse>)  
257. estraverse-fb (<https://github.com/RReverser/estraverse-fb>)  
258. esutils (<https://github.com/estools/esutils>)  
259. event-emitter (<https://github.com/medikoo/event-emitter>)  
260. execa (<https://github.com/sindresorhus/execa>)  
261. exit-hook (<https://github.com/sindresorhus/exit-hook>)  
262. extend (<https://github.com/justmoon/node-extend>)  
263. Extended WPF Toolkit – Community Edition (<http://wpftoolkit.codeplex.com>)  
264. extract-opts (<https://github.com/bevry/extract-opts>)  
265. extract-zip (<https://github.com/maxogden/extract-zip>)  
266. F# Compiler (<http://fsharp.github.io/>)  
267. FaceBook C# SDK (<http://facebooksdk.net/>)  
Includes: Simple-Json (<https://github.com/facebook-csharp-sdk/simple-json>)  
Includes: Json.cs (<http://techblog.procurios.nl/k/618/news/view/14605/14863/How-do-I-write-my-own-parser-for-JSON.html>)  
268. fash-levenshtein (<https://github.com/hiddentao/fast-levenshtein>)  
269. fast-levenshtein (<https://github.com/hiddentao/fast-levenshtein>)  
270. FDLIBM (<http://www.netlib.org/fdlibm/>)  
271. figures (<https://github.com/sindresorhus/figures>)  
272. File written by [dwd@bell-labs.com](mailto:dwd@bell-labs.com)  
273. file-entry-cache (<https://github.com/royriojas/file-entry-cache>)  
274. file-lock (<https://github.com/scull7/file-lock>)  
275. fileoverview  
276. File with code from a [nczonline.net](http://nczonline.net) blog post "Event delegation in JavaScript"  
277. Files Copyright © J. Arndt  
278. Files with code "[a]dapted from" code by Paul Irish  
279. Files with code "based on" John Resig's "tmpl" implementation, as well as doT.js  
280. Files with code from io.js  
281. find-up (<https://github.com/sindresorhus/find-up>)  
282. findup-sync (<https://github.com/cowboy/node-findup-sync>)  
283. flat-cache (<https://github.com/royriojas/flat-cache>)  
284. floating-point-gui.de (<https://github.com/brazzy/floating-point-gui.de>)  
285. floating-point-gui.de article "Comparison" (<http://floating-point-gui.de/errors/comparison/>)  
286. Font files licensed under the SIL Open Font License v1.1 (<https://scripts.sil.org/OFL>)  
287. Forensic similarities to Peacock (<https://github.com/thlorenz/peacock>)  
288. forever-agent (<https://github.com/mikeal/forever-agent>)  
289. form-data (<https://github.com/felixge/node-form-data>)  
290. Freetype 2 Font Engine (<https://www.freetype.org/>)  
291. FreeType (<https://www.freetype.org>)

292. FsGrammar (Fsharp) (<https://github.com/ionide/ionide-fsgrammar>)

293. fs-readdir-recursive (<https://github.com/fs-utils/fs-readdir-recursive>)

294. fs.realpath (<https://github.com/isaacs/fs.realpath>)

295. fstream (<https://github.com/isaacs/fstream>)

296. fstream-ignore (<https://github.com/isaacs/fstream-ignore>)

297. fstream-npm (<https://github.com/isaacs/fstream-npm>)

298. fs-vacuum (<https://github.com/npm/fs-vacuum>)

299. fs-write-stream-atomic (<https://github.com/npm/fs-write-stream-atomic>)

300. fuzziadrin-plus (<https://github.com/jeancroy/fuzziadrin-plus>)

301. gauge (<https://github.com/iarna/gauge>)

302. GDB: The GNU Project Debugger (<https://www.gnu.org/software/gdb/>)

Includes: amd64-match.S

Includes: code written by Ken Arnold

303. generate-function (<https://github.com/mafintosh/generate-function>)

304. generate-object-property (<https://github.com/mafintosh/generate-object-property>)

305. getmac (<https://github.com/bevry/getmac>)

306. get-stdin (<https://github.com/sindresorhus/get-stdin>)

307. get-stream (<https://github.com/sindresorhus/get-stream>)

308. Git Credential Manager for Windows (<https://github.com/Microsoft/Git-Credential-Manager-for-Windows>)

Includes: File with code copyright StephenCleary

309. Git for Windows (<https://github.com/git-for-windows/git>)

Includes: DocBook XSL stylesheets

Includes: Git LFS

310. GitHub Extension for Visual Studio (<https://github.com/github/VisualStudio>)

311. Git Logo by Jason Long (<http://git-scm.com/downloads/logos> and <http://twitter.com/jasonlong>)

312. GitInfo (<https://github.com/kzu/GitInfo>)

313. Glob (<https://github.com/isaacs/node-glob>)

314. Glob implementation from OpenBSD (<http://www.openbsd.org/>)

315. Globmousekeyhook (<https://github.com/gmamaladze/globmousekeyhook>)

316. globals (<https://github.com/sindresorhus/globals>)

317. globby (<https://github.com/sindresorhus/globby>)

318. globule (<https://github.com/cowboy/node-globule>)

319. Gnuplot file (<http://www.gnuplot.info>)

320. Google C++ Testing Framework (Google Test) (<https://github.com/google/googletest>)

321. Google Test Adapter (<https://github.com/csoltzenborn/GoogleTestAdapter>)

322. Google Test Framework (<https://github.com/google/googletest>)

323. got (<https://github.com/sindresorhus/got>)

324. graceful-fs (<https://github.com/isaacs/node-graceful-fs>)

325. graceful-readlink (<https://github.com/zhijielee/graceful-readlink>)

326. grammars (<https://github.com/antlr/grammars-v4>)

327. Gridster.js (<https://github.com/ducksboard/gridster.js>)

328. Grunt (<https://github.com/gruntjs/grunt>)

329. Grunt-bower-task (<https://github.com/yatskevich/grunt-bower-task>)

330. grunt-cli (<https://github.com/gruntjs/grunt-cli>)

331. Grunt-concat (<https://github.com/gruntjs/grunt-contrib-concat>)

332. Grunt-contrib-clean (<https://github.com/gruntjs/grunt-contrib-clean>)

333. Grunt-contrib-copy (<https://github.com/gruntjs/grunt-contrib-copy>)

334. Grunt-contrib-jshint (<https://github.com/gruntjs/grunt-contrib-jshint>)

335. Grunt-contrib-watch (<https://github.com/gruntjs/grunt-contrib-watch>)

336. Grunt-cssmin (<https://github.com/gruntjs/grunt-contrib-cssmin>)

337. Grunt-uglify (<https://github.com/gruntjs/grunt-contrib-uglify>)

338. Guava (<https://github.com/google/guava>)

339. gulp-concat (<https://github.com/wearefractal/gulp-concat>)

340. gulp-cssmin (<https://github.com/chilijung/gulp-cssmin>)

341. gulp-uglify (<https://github.com/terinjokes/gulp-uglify>)

342. hammer.js (<https://github.com/hammerjs/hammer.js>)

343. handlebars.js (<https://github.com/wycats/handlebars.js>)

344. har-validator (<https://github.com/ahmadnassri/har-validator>)

345. has-ansi (<https://github.com/sindresorhus/has-ansi>)

346. hash-base (<https://github.com/crypto-browserify/hash-base>)

347. has-unicode (<https://github.com/iarna/has-unicode>)

348. hawk (<https://github.com/hueniverse/hawk>)

Includes: CryptoJS

349. HighCharts.js (<http://www.highcharts.com/>)

Includes: php.js (<http://phpjs.org>)

350. Highlight.js (<http://highlightjs.org/>; <https://github.com/isagalaev/highlight.js>)

351. history (<https://github.com/ReactTraining/history>)

Includes: File with code from Modernizr

352. hoek (<https://github.com/hapijs/hoek>)

Includes: Deep-eql

353. home-or-tmp (<https://github.com/sindresorhus/home-or-tmp>)

354. hosted-git-info (<https://github.com/npm/hosted-git-info>)

355. HTML Agility Pack (<http://htmlagilitypack.codeplex.com/>)

356. html-agility-pack (<https://github.com/zzzprojects/html-agility-pack>)

357. html5-boilerplate (<https://github.com/h5bp/html5-boilerplate/>)

358. HTTP Parser (<https://github.com/nodejs/http-parser>)

359. http-proxy-agent (<https://github.com/TooTallNate/node-http-proxy-agent>)

360. http-signature (<https://github.com/joyent/node-http-signature>)

361. https-proxy-agent (<https://github.com/TooTallNate/node-https-proxy-agent>)

362. Humanizer (<https://github.com/Humanizr/Humanizer>)

363. Hystrix (<https://github.com/Netflix/hystrix>)

364. I18N code copyright Southern Storm Software (<https://github.com/mono/mono/tree/master/mcs/class/I18N>)

365. iconv-lite (<https://github.com/ashtuchkin/iconv-lite>)

366. IETF RFC 1321: RSA Data Security, Inc. MD5 Message-Digest Algorithm (<http://tools.ietf.org/html/rfc1321>)

367. IETF RFC 2553: Basic Socket Interface Extensions for IPv6 (<http://tools.ietf.org/html/rfc2553>)

368. IETF RFC 3492: Bootstring encoding of Unicode for Internationalized Domain Names in Applications (<http://www.ietf.org/rfc/rfc3492.txt>)

369. iferr (<https://github.com/shesek/iferr>)

370. ignore (<https://github.com/kaelzhang/node-ignore>)

371. ILSpy (ICSharpCode.Decompiler) (<https://github.com/icsharpcode/ILSpy>)

Includes: Files copyright Novell, Inc.

Includes: mcs

Includes: Mono Project

Includes: monodoc

372. Images from SilkIcons (<http://www.famfamfam.com/lab/icons/silk/>)

373. immutable-js (<https://github.com/facebook/immutable-js>)

374. ImpromptuInterface (<https://github.com/ekonbenefits/impromptu-interface>)

Includes: Clay (<https://clay.codeplex.com/>)

Includes: nunit-silverlight (<https://code.google.com/p/nunit-silverlight/>)

Includes: TinyIoC (<https://github.com/grumpydev/TinyIoC>)

375. imurmurhash (<https://github.com/jensyt/imurmurhash-js/>)

376. Independent JPEG Group's JPEG Library (<http://www.iijg.org/>)

377. inflight (<https://github.com/npm/inflight>)

378. inherit (<https://github.com/dfilatov/node-inherit>)



379. inherits (<https://github.com/isaacs/inherits>)  
380. ini (<https://github.com/isaacs/ini>)  
381. ini-parser (<https://github.com/rickyah/ini-parser>)  
382. init-package-json (<https://github.com/isaacs/init-package-json>)  
383. inquirer (<https://github.com/sboudrias/Inquirer.js>)  
384. insight (<https://github.com/yeoman/insight>)  
385. intellij-core (<https://www.jetbrains.com/intellij-repository/releases>)  
386. intellij-core.jar (<https://github.com/JetBrains/intellij-community>)  
Includes: JBIterable.java  
387. International Components for Unicode  
([http://icu.sourceforge.net/documentation/4.4.2-1/ustring\\_8h\\_fa59f7f9e9b79cb9cb75b54c638b4f8b.html](http://icu.sourceforge.net/documentation/4.4.2-1/ustring_8h_fa59f7f9e9b79cb9cb75b54c638b4f8b.html))  
388. intersect (<https://github.com/juliangruber/intersect>)  
389. InversifyJS (<https://github.com/inversify/InversifyJS>)  
390. invert-kv (<https://github.com/sindresorhus/invert-kv>)  
391. io.js (<https://iojs.org/en/index.html>)  
392. is-absolute (<https://github.com/jonschlinkert/is-absolute>)  
393. is-admin (<https://github.com/sindresorhus/is-admin>)  
394. isarray (<https://github.com/juliangruber/isarray/>)  
395. is-arrayish (<https://github.com/qix-/node-is-arrayish>)  
396. is-buffer (<https://github.com/feross/is-buffer>)  
397. is-builtin-module (<https://github.com/sindresorhus/is-builtin-module>)  
398. is-elevated (<https://github.com/sindresorhus/is-elevated>)  
399. isemail (<https://github.com/hapijs/isemail>)  
400. isexe (<https://github.com/isaacs/isexe>)  
401. is-finite (<https://github.com/sindresorhus/is-finite>)  
402. is-fullwidth-code-point (<https://github.com/sindresorhus/is-fullwidth-code-point>)  
403. is-integer (<https://github.com/parshap/js-is-integer>)  
404. is-my-json-valid (<https://github.com/mafintosh/is-my-json-valid>)  
405. is-npm (<https://github.com/sindresorhus/is-npm>)  
406. is-path-cwd (<https://github.com/sindresorhus/is-path-cwd>)  
407. is-path-in-cwd (<https://github.com/sindresorhus/is-path-in-cwd>)  
408. is-path-inside (<https://github.com/sindresorhus/is-path-inside>)  
409. is-plain-obj (<https://github.com/sindresorhus/is-plain-obj>)  
410. is-property (<https://github.com/mikolajsenko/is-property>)  
411. is-redirect (<https://github.com/sindresorhus/is-redirect>)  
412. is-relative (<https://github.com/jonschlinkert/is-relative>)  
413. is-resolvable (<https://github.com/shinnn/is-resolvable>)  
414. is-root (<https://github.com/sindresorhus/is-root/>)  
415. isstream (<https://github.com/rvagg/isstream>)  
416. is-stream (<https://github.com/sindresorhus/is-stream/>)  
417. is-utf8 (<https://github.com/wayfind/is-utf8>)  
418. ix-ASYN (<http://rx.codeplex.com/>)  
419. JasPer Project (<http://www.ece.uvic.ca/~frodo/jasper>)  
420. Javascript Cookie Library with jQuery bindings and JSON support (<http://code.google.com/p/cookies/>)  
421. JavaScript Lint (<http://www.JavaScriptLint.com>)  
422. JavaScript.tmlanguage (<https://github.com/Benvie/JavaScriptNext.tmlanguage>)  
423. Javolution (<http://javolution.org/>)  
424. jdk8u (multiple packages) (<https://github.com/JetBrains/jdk8u>)  
Includes: File with code copyright freebxml.org  
425. Jenkins logo  
426. JetBrains ReSharper (<https://www.jetbrains.com/resharper/>)  
427. JGit test (<https://github.com/spearce/JGit/commit/e4bf8f6957bbb29362575d641d1e77a02d906739>)

428. JGit xhistogram (<http://www.eclipse.org/org/documents/edl-v10.php>)

429. jimfs (<https://github.com/google/jimfs>)

430. jju (<http://rlidwka.github.io/jju/>)

431. JNA (<https://github.com/java-native-access/jna>)

432. jodid25519 (<https://github.com/meganz/jodid25519>)

Includes: almond

433. joi (<https://github.com/hapijs/joi>)

434. jqGrid (<http://www.trirand.net.>)

435. jqTree (<http://mbraak.github.io/jqTree/>)

436. jQuery (<http://jquery.com/>)

Includes: RequireJS

Includes: Qunit

Includes: File with code "[a]dapted from" <https://developer.mozilla.org>

Includes: Sizzle.js (<http://sizzlejs.com>)

437. jQuery cookie plugin

438. jQuery Delay (<https://github.com/jquery/jquery>)

439. jQuery Mobile (<http://jquerymobile.com/>)

440. jQuery postMessage (<http://benalman.com/projects/jquery-postmessage-plugin/>)

441. jQuery Templates (<https://github.com/BorisMoore/jquery-tmpl>)

442. jQuery Timepicker Addon (<https://github.com/trentrichardson/jquery-Timepicker-Addon>)

443. jQuery Validation (<http://bassistance.de/jquery-plugins/jquery-plugin-validation/>)

444. jQuery Watermark plugin (<https://github.com/marioestrada/jquery-Watermark>)

445. jQuery.LazyLoad (<http://www.appelsiini.net/projects/lazyload>)

446. jquery-base64 (<https://github.com/yckart/jquery.base64.js>)

447. jQueryUI (<http://jqueryui.com/>)

448. jsesc (<https://github.com/mathiasbynens/jsesc>)

449. Json.NET (Newtonsoft.Json) (<https://github.com/JamesNK/Newtonsoft.Json>)

Includes: LINQBridge (<http://www.raboof.com>)

450. Json2.js (<https://github.com/douglascrockford/JSON-js>)

451. json5 (<https://github.com/aseemk/json5>)

452. json-document-transforms (<https://github.com/Microsoft/json-document-transforms>)

453. json-edm-parser (<https://github.com/yaxia/json-edm-parser>)

454. json-parse-helpfulerror (<https://github.com/smikes/json-parse-helpfulerror>)

455. jsonpointer (<https://github.com/janl/node-jsonpointer>)

456. json-rpc-peer (<https://github.com/julien-f/js-json-rpc-peer>)

457. json-rpc-protocol (<https://github.com/julien-f/js-json-rpc-protocol>)

458. json-stable-stringify (<https://github.com/substack/json-stable-stringify>)

459. json-stringify-safe (<https://github.com/isaacs/json-stringify-safe>)

460. jsonwebtoken (<https://github.com/auth0/node-jwt-token>)

461. js-sha256 (<https://github.com/emn178/js-sha256>)

462. js-tokens (<https://github.com/lydell/js-tokens>)

463. js-yaml (<https://github.com/nodeca/js-yaml>)

464. JTS Topology Suite (<https://sourceforge.net/projects/jts-topo-suite/files/jts/>)

465. junk (<https://github.com/sindresorhus/junk/>)

466. Kajability tools (<https://github.com/Kajability/Kajability-Tools>)

467. Katana (<http://katanaproject.codeplex.com/>)

468. KaTeX (<https://github.com/Khan/KaTeX/>)

Includes: hyphenate and escape

Includes: 11yproject.com (<http://a11yproject.com/posts/how-to-hide-content/>)

Includes: Perseus (<https://github.com/Khan/perseus/blob/master/src/perseus-markdown.jsx>)

Includes: Underscore (<https://github.com/jashkenas/underscore>)

469. kind-of (<https://github.com/jonschlinkert/kind-of>)

470. Knockout Validation (<https://github.com/ericmbarnard/Knockout-Validation>)

471. KnockoutJS (<http://knockoutjs.com/>)

472. knockout-secure-binding (<https://github.com/brianmhunt/knockout-secure-binding>)

473. kotlin:stdlib (<https://kotlinlang.org/api/latest/jvm/stdlib/>)  
Includes: com.google.common.collect.Maps

474. kXML2 (<https://sourceforge.net/projects/kxml/>)

475. language-docker (<https://github.com/docker/docker/blob/master/contrib/syntax/textmate/Docker.tmbundle>)

476. language-go (<https://github.com/atom/language-go>)

477. language-javascript (<https://github.com/atom/language-javascript>)

478. language-less (<https://github.com/atom/language-less>)

479. language-php (<https://github.com/atom/language-php>)

480. language-rust (<https://github.com/zargony/atom-language-rust>)

481. language-swift (<https://github.com/freebroccolo/atom-language-swift>)

482. language-xml (<https://github.com/atom/language-xml>)

483. latest-version (<https://github.com/sindresorhus/latest-version>)

484. lazy-cache (<https://github.com/jonschlinkert/lazy-cache>)

485. lazystream (<https://github.com/jpmmerening/node-lazystream>)

486. lcid (<https://github.com/sindresorhus/lcid>)

487. left-pad (<https://github.com/azer/left-pad>)

488. leven (<https://github.com/sindresorhus/leven>)

489. levn (<https://github.com/gkz/levn>)

490. libchromiumcontent (<https://github.com/electron/libchromiumcontent>)

491. LibGit2 (<https://github.com/libgit2/libgit2>)  
Includes: clar (<https://github.com/vmg/clar>)  
Includes: The Contributor Covenant Code of Conduct (<https://github.com/libgit2/libgit2>)  
Includes: Curl (<http://curl.haxx.se/docs/copyright.html>)  
Includes: fnmatch (<http://www.opensource.apple.com/source/sudo/sudo-16/sudo/fnmatch.c>)  
Includes: libssh (<https://github.com/nviennot/libssh/>)  
Includes: RegEx (<https://github.com/libgit2/libgit2>)  
Includes: UniqueGenerator.php (<https://github.com/libgit2/libgit2>)  
Includes: xdiff (<http://www.xmailserver.org/xdiff-lib.html>)  
Includes: WinHttp (<https://github.com/libgit2/libgit2>)

492. LibGit2Sharp (<https://github.com/libgit2/libgit2sharp/>)

493. libiconv (<https://www.gnu.org/software/libiconv/>)

494. Libjpeg-Turbo\_mono (<http://www.libjpeg-turbo.org/>)

495. libuv (<https://github.com/libuv/libuv>)

496. LIBXML2 (<http://www.xmlsoft.org/>)

497. ligershark/grunt-ide-support (<https://github.com/ligershark/grunt-ide-support>)

498. line-numbers (<https://github.com/lydell/line-numbers>)

499. Little CMS Color Management (<http://www.littlecms.com/>)

500. LiveCharts (<https://github.com/beto-rodriguez/Live-Charts>)

501. LLDB (<https://lldb.lvm.org>)

502. llvm-clang-tools-extra (<https://llvm.org/>)  
Includes: structs based on the LSP specification

503. llvm-ld (<https://llvm.org/>)

504. llvm-llvm (<https://llvm.org/>)  
Includes: Files based on microsoft-pdb  
Includes: Unicode case folding database  
Includes: ARM Limited Software Grant License Agreement

505. llvm-compiler-rt (<https://llvm.org/>)  
Includes: Files with code from gperftools

506. llvm (<https://llvm.org> )

Includes: microsoft-pdb  
Includes: Unicode case folding database  
507. llvm-cfe (<https://llvm.org> )  
Includes: unicode.org code  
508. llvm-polly (<https://llvm.org> )  
Includes: ppcg  
509. llvm-openmp (<https://llvm.org> )  
510. load-json-file (<https://github.com/sindresorhus/load-json-file>)  
511. lockfile (<https://github.com/isaacs/lockfile>)  
512. lodash (<https://lodash.com/>)  
Includes: File(s) copyright John Resig (<https://ejohn.org/blog/javascript-micro-templating/>)  
Includes: File(s) copyright Laura Doktorova (<https://github.com/olado/doT>)  
513. lodash.assign (<https://lodash.com/>)  
514. lodash.once (<https://github.com/lodash/lodash>)  
515. Log4Net (<http://logging.apache.org/log4net/>)  
516. longest (<https://github.com/jonschlinkert/longest>)  
517. lowercase-keys (<https://github.com/sindresorhus/lowercase-keys>)  
518. lru-cache (<https://github.com/isaacs/node-lru-cache>)  
519. Ltx (<https://github.com/node-xmpp/ltx>)  
520. Lucene.Net Contrib + Lucene.Net (<https://github.com/apache/lucenenet>)  
521. LZMA SDK (<http://7-zip.org/sdk.html>)  
522. MacCore (<https://github.com/mono/maccore>)  
523. MahApps.Metro (<https://github.com/MahApps/MahApps.Metro>)  
524. make-error (<https://github.com/julien-f/js-make-error>)  
525. markdig (<https://github.com/lunet-io/markdig>)  
Includes: CommonMark.NET  
Includes: CommonMarkSharp  
Includes: File copyright Karlis Gangis  
Includes: HTML 5.3 specification  
Includes: SharpCollections  
526. markdig.wpf (<https://github.com/Kryptos-FR/markdig.wpf>)  
Includes: code from <https://github.com/lunet-io/markdig>  
527. Markdown (<https://daringfireball.net/projects/markdown/>)  
528. MarkdownDeep (<http://www.toptensoftware.com/markdowndeep/>)  
529. markdown-it (<https://github.com/markdown-it/markdown-it>)  
530. markdown-it-container (<https://github.com/markdown-it/markdown-it-container>)  
531. markdown-it-emoji (<https://github.com/markdown-it/markdown-it-emoji>)  
532. markdown-it-imsized (<https://github.com/tatsy/markdown-it-imsized>)  
Includes: buffer (<https://github.com/feross/buffer>)  
533. markdown-it-lazy-headers (<https://github.com/Galadirith/markdown-it-lazy-headers>)  
534. markdown-it-task-lists (<https://github.com/revin/markdown-it-task-lists>)  
535. markdown-it-katex (<https://github.com/waylonflinn/markdown-it-katex>)  
Includes: markdown-it-math (<https://github.com/runarberg/markdown-it-math>)  
536. markdown-it-table-of-contents (<https://github.com/Oktavilla/markdown-it-table-of-contents>)  
537. marked (<https://github.com/chjj/marked>)  
538. match-at (<https://github.com/spicyj/match-at>)  
539. math boost (Boost.Math) (<https://github.com/boostorg/math>)  
540. material-components-ios (<https://github.com/material-components/material-components-ios>)  
541. mcs (<https://github.com/mono/mono/tree/master/mcs>)  
542. md5.js (<https://github.com/crypto-browserify/md5.js>)  
543. md5-hex (<https://github.com/sindresorhus/md5-hex>)  
544. md5-o-matic (<https://github.com/trentmillar/md5-o-matic>)

545. mDNSResponder (<https://opensource.apple.com/tarballs/mDNSResponder/>)  
546. mem (<https://github.com/sindresorhus/mem>)  
547. Metrics (<https://github.com/dropwizard/metrics>)  
548. Microsoft Azure SDK for .NET (<https://github.com/Azure/azure-sdk-for-net>)  
549. mime (<https://github.com/broofa/node-mime>)  
550. mime-db (<https://github.com/jshttp/mime-db>)  
551. mime-types (<https://github.com/jshttp/mime-types>)  
552. mimic-fn (<https://github.com/sindresorhus/mimic-fn>)  
553. MinGit (<https://github.com/git-for-windows/git>)  
554. MinGW MSYS (<http://www.mingw.org/wiki/MSYS>)  
555. MinGW MSYS-iconv (<https://sourceforge.net/projects/mingw/files/MinGW/Base/libiconv/libiconv-1.14-2/>)  
556. minimatch (isaacs) (<https://github.com/isaacs/minimatch>)  
557. MiniMatch (SLaks) (<https://github.com/SLaks/Minimatch/>)  
558. minimalist (<https://github.com/substack/minimist>)  
559. Minizip (<http://www.winimage.com/zLibDll/minizip.html>)  
560. mkdirp (<https://github.com/substack/node-mkdirp>)  
561. mkdir-parents (<https://github.com/LightSpeedWorks/mkdir-parents>)  
562. mkpath (<https://github.com/jrajav/mkpath>)  
563. Mockery (<https://github.com/mfncooper/mockery>)  
564. Modernizr (<http://www.modernizr.com>; <https://github.com/Modernizr/Modernizr>)  
Includes: HTML5 Shiv (<https://github.com/afarkas/html5shiv>)  
Includes: matchMedia.js (<https://gist.github.com/scottjehl/786768>)  
Includes: es5-shim (<https://github.com/kriskowal/es5-shim/blob/master/es5-shim.js>)  
Includes: css-support (<https://github.com/dperini/css-support>)  
565. Moment.js (<https://github.com/moment/moment/>)  
566. Moment (<https://github.com/moment/moment>)  
Includes: Files with code from Closure  
567. Monaco Editor (<https://microsoft.github.io/monaco-editor/>)  
Includes: chjj-marked (<https://github.com/npmcomponent/chjj-marked>)  
Includes: HTML 5.1 W3C Working Draft version 08 October 2015 (<http://www.w3.org/TR/2015/WD-html51-20151008/>)  
Includes: js-beautify (<https://github.com/beautify-web/js-beautify>)  
Includes: string\_score ([https://github.com/joshaven/string\\_score](https://github.com/joshaven/string_score))  
Includes: WinJS (<https://github.com/winjs/winjs>)  
568. Mono.Cecil (<https://github.com/jbevain/cecil>)  
569. Mono.Options (<https://github.com/mono/mono/tree/master/mcs/class/Mono.Options/Mono.Options>)  
570. Mono.Zeroconf (<http://www.mono-project.com/archived/monozeroconf/>)  
571. monodoc (<http://www.mono-project.com/docs/tools+libraries/tools/monodoc/>)  
572. MonoMac (<http://www.mono-project.com/MonoMac>)  
573. MonoTouch.Dialog (<https://github.com/migueldeicaza/MonoTouch.Dialog>)  
574. MooTools (<https://github.com/mootools/mootools-core/>)  
575. mout (<https://github.com/mout/mout>)  
576. ms (<https://github.com/zeit/ms>)  
577. MSBuild (<https://github.com/Microsoft/msbuild>)  
578. msys2-runtime (<https://github.com/alexpux/cygwin>)  
579. murmurhash (<https://github.com/darrenkopp/murmurhash-net>)  
580. mustache.js (<https://github.com/janl/mustache.js>)  
581. mute-stream (<https://github.com/isaacs/mute-stream/>)  
582. MvvmLightLibs (<http://www.mvvmlight.net/>)  
583. nan (<https://github.com/nodejs/nan>)  
584. narwhal.js (<http://narwhaljs.org>)  
585. NEST (<https://github.com/elastic/elasticsearch-net>)  
586. NET Core WCF (<https://github.com/CoreWCF/CoreWCF>)

587. NetSqlAzMan (<http://netsqlazman.codeplex.com/>)  
588. nice-try (<https://github.com/electerious/nice-try>)  
589. ninja (<https://github.com/ninja-build/ninja>)  
590. Nlog (<http://nlog-project.org/>)  
591. Node.js (<https://github.com/joyent/node>; <https://nodejs.org/en/>)  
Includes: ansi-regex  
Includes: C-Ares  
Includes: Closure Linter  
Includes: cpplint.py  
Includes: Files copyright Andy Polyakov  
Includes: File copyright Niels Provos  
Includes: Files copyright Fedor Indutny  
Includes: GYP  
Includes: HTTP Parser  
Includes: Marked  
Includes: Node-weak  
Includes: NPM  
Includes: Punycode.js  
Includes: RFC 2412 and RFC 3526  
Includes: V8  
Includes: wrk  
Includes: Zlib  
592. node-archiver (<https://github.com/archiverjs/node-archiver>)  
593. node-ecdsa-sig-formatter (<https://github.com/Brightspace/node-ecdsa-sig-formatter>)  
594. node-jwa (<https://github.com/brianloveswords/node-jwa>)  
595. node-jws (<https://github.com/brianloveswords/node-jws>)  
596. node-tar (<https://github.com/npm/node-tar/>)  
597. Node.js Tools for Visual Studio (nodejstools) (<https://github.com/microsoft/nodejstools>)  
598. node-bcrypt-pbkdf (<https://github.com/joyent/node-bcrypt-pbkdf>)  
599. nodeca (<https://github.com/nodeca/nodeca>)  
600. node-cross-spawn (<https://github.com/moxystudio/node-cross-spawn>)  
Includes: Test'em 'Scripts  
601. node-ftp (<https://github.com/mscdex/node-ftp>)  
602. node-github (<https://github.com/mikedeboer/node-github>)  
603. node-gyp (<https://github.com/nodejs/node-gyp>)  
604. node-heapdump (<https://github.com/bnoordhuis/node-heapdump>)  
605. node-jsonpointer (<https://github.com/janl/node-jsonpointer/>)  
606. node-memwatch (<https://github.com/marcominetti/node-memwatch>)  
607. node-mime (<https://github.com/broofa/node-mime>)  
608. node-semver (<https://github.com/npm/node-semver>)  
609. node-status-codes (<https://github.com/sindresorhus/node-status-codes>)  
610. node-tmp (<https://github.com/raszi/node-tmp>)  
611. node-uuid (<https://github.com/kelektiv/node-uuid>; <https://github.com/broofa/node-uuid/>)  
612. node-which (<https://github.com/npm/node-which>)  
613. node-xmlreader (<https://github.com/SamDecrock/node-xmlreader/>)  
614. noice-json-rpc (<https://github.com/nojvek/noice-json-rpc>)  
615. nopt (<https://github.com/npm/nopt>)  
616. normalize.css (<https://github.com/necolas/normalize.css>)  
617. normalize-git-url (<https://github.com/npm/normalize-git-url>)  
618. normalize-package-data (<https://github.com/npm/normalize-package-data>)  
619. normalize-path (<https://github.com/jonschlinkert/normalize-path>)  
620. NPM (<https://www.npmjs.com/>; <https://github.com/npm/npm/>)

621. npm-cache-filename (<https://github.com/npm/npm-cache-filename>)  
622. npm-install-checks (<https://github.com/npm/npm-install-checks>)  
623. npmllog (<https://github.com/isaacs/npmllog>)  
624. npm-package-arg (<https://github.com/npm/npm-package-arg>)  
625. npm-registry-client (<https://github.com/isaacs/npm-registry-client>)  
626. npm-run-path (<https://github.com/sindresorhus/npm-run-path>)  
627. npm-user-validate (<https://github.com/npm/npm-user-validate>)  
628. NRefactory (<https://github.com/icsharpcode/NRefactory>)  
629. NuGet (<https://github.com/NuGet/Home>; <https://github.com/NuGet>)  
630. NuGet.Core.dll (<https://github.com/mono/nuget-binary>)  
631. NuGet.Versioning (<https://github.com/NuGet/NuGet.Client>)  
632. NuGet.VisualStudio (<https://github.com/NuGet/NuGet.Client>)  
633. number-is-nan (<https://github.com/sindresorhus/number-is-nan>)  
634. oauth-sign (<https://github.com/mikeal/oauth-sign>)  
635. object-assign (<https://github.com/sindresorhus/object-assign>)  
636. octokit.net (<https://github.com/octokit/octokit.net>)  
637. octokit.graphql.net (<https://github.com/octokit/octokit.graphql.net>)  
Includes: ReadableExpressions  
638. OData .NET Libraries (<https://github.com/kosinsky/odata.net>)  
639. OfficeUIFabricCore (<https://github.com/OfficeDev/Office-UI-Fabric-Core>)  
640. office-ui-fabric-react (<https://github.com/OfficeDev/office-ui-fabric-react>)  
641. once (<https://github.com/isaacs/once>)  
642. onetime (<https://github.com/sindresorhus/onetime>)  
643. Onigmo (<https://github.com/k-takata/Onigmo>)  
644. oniguruma (<https://github.com/kkos/oniguruma>)  
645. open (<https://github.com/jjrdn/node-open>)  
646. Open Data Protocol (<https://github.com/mono/mono/tree/master/mcs/class/System.Data.Services.Client>)  
647. Open Toolkit  
648. opener (<https://github.com/domenic/opener>)  
649. OpenGL (<https://www.opengl.org/>)  
650. OpenSSL (<http://www.openssl.org>)  
651. opn (<https://github.com/sindresorhus/opn>)  
652. optimist (<https://github.com/substack/node-optimist>)  
653. optionator (<https://github.com/gkz/optionator>)  
654. options (<https://github.com/einaros/options.js>)  
655. OrderedSet (<http://code.activestate.com/recipes/576694/>)  
656. osenv (<https://github.com/npm/osenv>)  
657. os-homedir (<https://github.com/sindresorhus/os-homedir>)  
658. os-locale (<https://github.com/sindresorhus/os-locale>)  
659. os-name (<https://github.com/sindresorhus/os-name>)  
660. os-tmpdir (<https://github.com/sindresorhus/os-tmpdir>)  
661. osx-release (<https://github.com/sindresorhus/osx-release>)  
662. output-file-sync (<https://github.com/shinnn/output-file-sync>)  
663. OWIN (<http://owin.org/>)  
664. package-json (<https://github.com/sindresorhus/package-json>)  
665. parallel-hashmap (<https://github.com/greg7mdp/parallel-hashmap>)  
666. parse-json (<https://github.com/sindresorhus/parse-json>)  
667. Parser-Lib  
668. Passive Event Listeners (EventListenerOptions) (<https://github.com/WICG/EventListenerOptions>)  
669. path-array (<https://github.com/TooTallNate/node-path-array>)  
670. path-exists (<https://github.com/sindresorhus/path-exists>)  
671. path-is-absolute (<https://github.com/sindresorhus/path-is-absolute>)

672. path-is-inside (<https://github.com/domenic/path-is-inside>)

673. path-key (<https://github.com/sindresorhus/path-key>)

674. path-type (<https://github.com/sindresorhus/path-type>)

675. p-finally (<https://github.com/sindresorhus/p-finally>)

676. pify (<https://github.com/sindresorhus/pify>)

677. pinkie (<https://github.com/floatdrop/pinkie>)

678. pinkie-promise (<https://github.com/floatdrop/pinkie-promise>)

679. p-is-promise (<https://github.com/sindresorhus/p-is-promise>)

680. pkg-conf (<https://github.com/sindresorhus/pkg-conf>)

681. pluralize (<https://github.com/BlakeEmbrey/pluralize>)

682. pngcs (<https://code.google.com/archive/p/pngcs/>)

683. polly (<https://llvm.org/> and <http://polly.llvm.org/>)

Includes: ppcg

684. Polly.dll (<https://github.com/App-vNext/Polly>)

685. Polyfill from Base64.js (<https://github.com/davidchambers/Base64.js>)

686. PowerArgs (<https://github.com/adamabdelhamed/PowerArgs>)

687. PowerShell Package for Sublime Text 3 (<https://github.com/SublimeText/PowerShell>)

688. prelude-ls (<http://preludels.com>)

689. prepend-http (<https://github.com/sindresorhus/prepend-http>)

690. Prism (<http://compositewpf.codeplex.com/>)

691. private (<http://github.com/benjamn/private>)

692. process-nextick-args (<https://github.com/calvinmetcalf/process-nextick-args>)

693. progress (<https://github.com/visionmedia/node-progress>)

694. Proguard (<https://github.com/xamarin/proguard/>)

695. promptly (<https://github.com/IndigoUnited/node-promptly>)

696. promzard (<https://github.com/isaacs/promzard>)

697. ProseMirror (<http://prosemirror.net/>)

698. protobuf-tmbundle (<https://github.com/michaelledgar/protobuf-tmbundle>)

699. proto-list (<https://github.com/isaacs/proto-list>)

700. pseudomap (<https://github.com/isaacs/pseudomap>)

701. p-throttler (<http://github.com/IndigoUnited/node-p-throttler>)

702. PTVS (<https://github.com/Microsoft/PTVS>)

703. PTVSD (<https://github.com/Microsoft/PTVSD>)

704. public\_suffix\_list.dat

705. pump (<https://github.com/mafintosh/pump>)

706. Punycode.js (<https://github.com/bestiejs/punycode.js>)

707. PyDev.Debugger (<https://github.com/fabioz/PyDev.Debugger>)

Includes: File copyright Brainwy Software Ltda.

708. pydev\_debugger

Includes: File authored by Yuli Fitterman

Includes: File copyright Brainwy software Ltda.

Includes: File with methods from Spyder

Includes: File(s) related to IPython

Includes: Files copyright Microsoft Corporation

Includes: Python, Cpython

Includes: six

Includes: WinAppDbg

Includes: XML-RPC client interface for Python

709. q (<https://github.com/krisKowal/q>)

710. qs (<https://github.com/hapijs/qs>)

Includes: io.js

711. QUnit (<https://github.com/jquery/qunit>)



712. RapidJSON (<https://github.com/miloyip/rapidjson/>)  
713. rc (<https://github.com/dominictarr/rc.>)  
714. React (<https://github.com/facebook/react>)  
715. react-copy-to-clipboard (<https://github.com/nkbt/react-copy-to-clipboard>)  
716. Reactive Extensions (<https://rx.codeplex.com/>)  
717. read (<https://github.com/isaacs/read>)  
718. readable-stream (<https://github.com/isaacs/readable-stream>)  
719. read-all-stream (<https://github.com/floatdrop/read-all-stream>)  
720. read-cmd-shim (<https://github.com/npm/read-cmd-shim>)  
721. readdir-scoped-modules (<https://github.com/npm/readdir-scoped-modules>)  
722. read-installed (<https://github.com/isaacs/read-installed>)  
723. read-json-sync (<https://github.com/shinnn/read-json-sync>)  
724. readline2 (<https://github.com/sboudrias/readline2>)  
725. read-package-json (<https://github.com/isaacs/read-package-json>)  
726. read-package-tree (<https://github.com/npm/read-package-tree>)  
727. read-pkg (<https://github.com/sindresorhus/read-pkg>)  
728. read-pkg-up (<https://github.com/sindresorhus/read-pkg-up>)  
729. realize-package-specifier (<https://github.com/npm/realize-package-specifier>)  
730. reCAPTCHA (<http://www.google.com/recaptcha/intro/index.html>)  
731. recast (<http://github.com/benjamn/recast>)  
732. redeyed (<https://github.com/thlorenz/redeyed>)  
733. Red Gate 'Data Tools' (<http://www.red-gate.com/>)  
734. redux (<https://github.com/reactjs/redux>)  
735. redux-logger (<https://github.com/fcomb/redux-logger>)  
736. redux-thunk (<https://github.com/gaearon/redux-thunk>)  
737. reflect-metadata (<https://github.com/rbuckton/reflect-metadata>)  
738. Regedit (<https://github.com/ironSource/node-regedit>)  
739. regenerate (<https://github.com/mathiasbynens/regenerate>)  
740. regenerator (<http://github.com/facebook/regenerator>)  
741. regexpu (<https://github.com/mathiasbynens/regexpu>)  
742. registry-url (<https://github.com/sindresorhus/registry-url>)  
743. regjsen (<https://github.com/d10/regjsen>)  
744. regjsparser (<https://github.com/jviereck/regjsparser>)  
745. Relinq (<http://relinq.codeplex.com/>)  
746. remove-markdown (<https://github.com/stiang/remove-markdown>)  
747. repeating (<https://github.com/sindresorhus/repeating>)  
748. repeat-string (<https://github.com/jonschlinkert/repeat-string>)  
749. request (<https://github.com/request/request>)  
750. request-light (<https://github.com/Microsoft/node-request-light>)  
751. request-progress (<http://github.com/IndigoUnited/node-request-progress>)  
752. request-replay (<http://github.com/IndigoUnited/node-request-replay>)  
753. Require.js (<https://github.com/jrburke/requirejs>)  
754. require-main-filename (<https://github.com/yargs/require-main-filename>)  
755. resolve (<https://github.com/substack/node-resolve>)  
756. Respond.js (<https://github.com/scottjehl/Respond>)  
757. restore-cursor (<https://github.com/sindresorhus/restore-cursor>)  
758. retry (<https://github.com/tim-kos/node-retry>)  
759. RFC 2412 and RFC 3526  
760. right-align (<https://github.com/jonschlinkert/right-align>)  
761. Rimraf (<https://github.com/isaacs/rimraf>)  
762. riot (<http://riotjs.com/>)

Includes: Bootstrap

Includes: Contributor Covenant v1.4  
Includes: memory-stats.js  
Includes: requestAnimationFrame  
Includes: RequireJS  
763. riot-ts (<https://github.com/nippur72/RiotTS>)  
764. rmdir-recursive (<https://github.com/LightSpeedWorks/rmdir-recursive>)  
765. Rsync (<https://rsync.samba.org/>)  
766. runas (<https://github.com/atom/node-runas>)  
767. run-async (<https://github.com/SBoudrias/run-async>)  
768. rx-lite (<https://github.com/Reactive-Extensions/RxJS>)  
769. ryu (<https://github.com/uljack/ryu>)  
770. safe-buffer (<https://github.com/feross/safe-buffer>)  
771. SammyJS (<http://sammyjs.org/>)  
772. sax js (<https://github.com/isaacs/sax-js>)  
773. scp2 (<https://github.com/spmjs/node-scp2>)  
774. Sebastian Gavanini  
(<http://elasticsearch-users.115913.n3.nabble.com/Using-the-Snowball-stemmers-tp2126106p2127111.html>)  
775. semver (<https://github.com/npm/node-semver/>)  
776. semver-compare (<https://github.com/substack/semver-compare>)  
777. semver-diff (<https://github.com/sindresorhus/semver-diff>)  
778. semver-utils (<https://github.com/coolaj86/semver-utils>)  
779. set-blocking (<https://github.com/yargs/set-blocking>)  
780. sha (<https://github.com/ForbesLindesay/sha>)  
781. SharpSVN (<https://sharpsvn.open.collab.net>)  
782. SharpVectors (<https://github.com/ElinamLLC/SharpVectors>)  
Includes: AvalonEdit  
Includes: Batik  
Includes: code authored by Jake Ginnivan  
Includes: code from a CodeProject article by Ashley Davis  
Includes: SVG.net sources  
783. SharpZipLib (<https://github.com/icsharpcode/SharpZipLib>)  
784. SharpZipLib v0.86.0 (<https://github.com/icsharpcode/SharpZipLib>)  
785. shebang-command (<https://github.com/kevva/shebang-command>)  
786. shebang-regex (<https://github.com/sindresorhus/shebang-regex>)  
787. ShellJS (<https://github.com/shelljs/shelljs>)  
Includes: wrench-js  
788. shell-quote (<https://github.com/substack/node-shell-quote>)  
789. sigmund (<https://github.com/isaacs/sigmund>)  
790. signal-exit (<https://github.com/tapjs/signal-exit>)  
791. Simon Mourier's process parent utility class  
(<http://stackoverflow.com/questions/394816/how-to-get-parent-process-in-net-in-managed-way/3346055#3346055>)  
792. simple-fmt (<https://github.com/olov/simple-fmt>)  
793. Simple Injector (<https://simpleinjector.org/index.html>)  
794. simple-is (<https://github.com/olov/simple-is>)  
795. Sizzle CSS Selector Engine (<http://sizzlejs.com/>)  
796. slash (<https://github.com/sindresorhus/slash>)  
797. slice-ansi (<https://github.com/chalk/slice-ansi>)  
798. SlickGrid (<https://github.com/mleibman/slickgrid>)  
799. slide (<https://github.com/isaacs/slide-flow-control>)  
800. slow-cheetah (<https://github.com/Microsoft/slow-cheetah>)  
801. sntp (<https://github.com/hueniverse/sntp>)  
802. Socket Specification

803. SolrNet (<https://github.com/mausch/SolrNet>)  
804. sorted-object (<https://github.com/domenic/sorted-object>)  
805. source-map (<https://github.com/mozilla/source-map>)  
Includes: Base 64 VLQ implementation in Closure Compiler  
806. SourceMapDotNet (<https://github.com/Pablissimo/SourceMapDotNet>)  
807. source-map-support (<https://github.com/evanw/node-source-map-support>)  
808. Sparkle (<https://github.com/sparkle-project/Sparkle>)  
809. spawn-sync (<https://github.com/ForbesLindesay/spawn-sync>)  
810. spdx-correct (<https://github.com/kemitchell/spdx-correct.js>)  
811. spdx-exceptions (<https://github.com/kemitchell/spdx-exceptions.js>)  
812. spdx-expression-parse (<https://github.com/kemitchell/spdx-expression-parse.js>)  
813. spdx-license-ids (<https://github.com/shinnn/spdx-license-ids>)  
814. split (<https://github.com/dominictarr/split>)  
815. split-join-stream (<https://github.com/IlyaBiryukov/message-boundary-node-stream>)  
816. Sprache (<https://github.com/sprache/Sprache>)  
817. sprintf() for JavaScript (<http://www.diveintojavascript.com/projects/javascript-sprintf>)  
818. sprintf-js (<https://github.com/alexei/sprintf.js>)  
819. SQLite (<http://www.sqlite.org/>)  
Includes: Fossil (<http://fossil-scm.org>)  
820. SQLitePCL.raw (<https://github.com/ericsink/SQLitePCL.raw>)  
Includes: Camellia assebler implementation (<https://www.openssl.org/~appro/camellia/>)  
Includes: Files with code "copyrighted to Intel"  
821. SQLitePCLRaw.bundle\_green (<https://github.com/ericsink/SQLitePCL.raw>)  
Includes: build-openssl.sh (<http://www.openssl.org>)  
Includes: functions from fossil-scm.org (<http://fossil-scm.org>)  
Includes: File copyright Intel (<http://www.intel.com/>)  
Includes: Files with code written by David S. Miller and Andy Polyakov  
822. SSH.NET (<https://github.com/sshnet/SSH.NET/>)  
823. ssh2 (<https://github.com/mscdex/ssh2>)  
824. stable (<https://github.com/Two-Screen/stable>)  
825. STL (Microsoft's C++ Standard Library) (<https://github.com/microsoft/STL>)  
826. Store Functions for Entity Framework Code First (<https://codefirstfunctions.codeplex.com/>)  
827. stream-shift (<https://github.com/mafintosh/stream-shift>)  
828. string (<https://github.com/jprichardson/string.js>)  
829. String.prototype.at (<https://github.com/mathiasbynens/String.prototype.at>)  
830. string\_decoder ([https://github.com/rvagg/string\\_decoder](https://github.com/rvagg/string_decoder))  
831. stringify-object (<https://github.com/yeoman/stringify-object>)  
832. string-length (<https://github.com/sindresorhus/string-length>)  
833. stringmap (<https://github.com/olov/stringmap>)  
834. stringset (<https://github.com/olov/stringset>)  
835. stringstream (<https://github.com/mhart/StringStream>)  
836. string-width (<https://github.com/sindresorhus/string-width>)  
837. strip-ansi (<https://github.com/chalk/strip-ansi>)  
838. strip-bom (<https://github.com/sindresorhus/strip-bom>)  
839. strip-eof (<https://github.com/sindresorhus/strip-eof>)  
840. strip-json-comments (<https://github.com/sindresorhus/strip-json-comments>)  
841. StrongLoop  
842. StructureMap (<https://github.com/structuremap/structuremap>)  
843. supports-color (<https://github.com/chalk/supports-color>)  
844. svg2xaml.xsl (<https://inkscape.org>)  
845. Swashbuckle (<http://www.nuget.org/packages/swashbuckle>)  
846. symbol (<https://github.com/seanmonstar/symbol>)

847. System.Diagnostics.Tracer (<https://netfx.codeplex.com/>)  
848. System.IO.Abstractions (<https://github.com/tathamoddie/System.IO.Abstractions>)  
849. System.Reactive extensions (<https://github.com/Reactive-Extensions/Rx.NET>)  
850. table (<https://github.com/gajus/table>)  
851. Tao Klerks' TextFileEncodingDetector (<http://www.architectshack.com/TextFileEncodingDetector.ashx>)  
852. tar (<https://github.com/npm/node-tar>)  
853. tar-fs (<https://github.com/mafintosh/tar-fs>)  
854. tar-stream (<https://github.com/mafintosh/tar-stream>)  
855. tbb (<https://github.com/01org/tbb>)  
856. Tempest (<https://github.com/ermau/Tempest>)  
857. TestNameGenerator  
(<https://github.com/nunit/nunit/blob/master/src/NUnitFramework/framework/Internal/TestNameGenerator.cs>)  
858. TextMate bundle: ASP.vb.NET (<https://github.com/textmate/asp.vb.net.tmbundle>)  
859. TextMate bundle: c (<https://github.com/textmate/c.tmbundle>)  
860. TextMate bundle: c# (<https://github.com/wintermi/csharp.tmbundle>)  
861. TextMate bundle: cmake (<https://github.com/textmate/cmake.tmbundle>)  
862. TextMate bundle: coffee-script (<https://github.com/textmate/coffee-script.tmbundle/>)  
863. TextMate bundle: css (<https://github.com/textmate/css.tmbundle>)  
864. TextMate bundle: go (<https://github.com/AlanQuatermain/go.tmbundle>)  
865. TextMate bundle: groovy (<https://github.com/textmate/groovy.tmbundle/>)  
866. TextMate bundle: html (<https://github.com/textmate/html.tmbundle>)  
867. TextMate bundle: ini (<https://github.com/textmate/ini.tmbundle>)  
868. TextMate bundle: jade (<https://github.com/davidrios/jade.tmbundle>)  
869. TextMate bundle: java (<https://github.com/textmate/java.tmbundle>)  
870. TextMate bundle: javadoc (<https://github.com/textmate/javadoc.tmbundle>)  
871. TextMate bundle: javascript (<https://github.com/textmate/javascript.tmbundle>)  
872. TextMate bundle: json (<https://github.com/textmate/json.tmbundle>)  
873. TextMate bundle: lua (<https://github.com/textmate/lua.tmbundle>)  
874. TextMate bundle: make (<https://github.com/textmate/make.tmbundle>)  
875. TextMate bundle: markdown (<https://github.com/textmate/markdown.tmbundle>)  
876. TextMate bundle: objective-c (<https://github.com/textmate/objective-c.tmbundle>)  
877. TextMate bundle: perl (<https://github.com/textmate/perl.tmbundle>)  
878. TextMate bundle: php (<https://github.com/textmate/php.tmbundle>)  
879. TextMate bundle: python (<https://github.com/textmate/python.tmbundle>)  
880. TextMate bundle: r (<https://github.com/textmate/r.tmbundle>)  
881. TextMate bundle: ruby (<https://github.com/textmate/ruby.tmbundle>)  
882. TextMate bundle: shellscript (<https://github.com/textmate/shellscript.tmbundle>)  
883. TextMate bundle: sql (<https://github.com/textmate/sql.tmbundle>)  
884. TextMate bundle: swift (<https://github.com/textmate/swift.tmbundle>)  
885. TextMate bundle: xml (<https://github.com/textmate/xml.tmbundle>)  
886. TextMate bundle: yaml (<https://github.com/textmate/yaml.tmbundle>)  
887. text-table (<https://github.com/substack/text-table>)  
888. throttleit (<https://github.com/component/throttle>)  
889. through (<https://github.com/dominictarr/through/>)  
890. timeago jQuery plugin (<https://github.com/rmm5t/jquery-timeago>)  
891. timed-out (<https://github.com/floatdrop/timed-out>)  
892. TinyXML2 (<https://github.com/leethomason/tinyxml2>)  
893. tmp (<http://github.com/raszi/node-tmp>)  
894. to-fast-properties (<https://github.com/sindresorhus/to-fast-properties>)  
895. Toggle Selection (<https://github.com/sudodoki/toggle-selection>)  
896. topo (<https://github.com/hapijs/topo>)  
897. touch (<https://github.com/isaacs/node-touch>)

898. tough-cookie (<https://github.com/SalesforceEng/tough-cookie>)

899. tracerhub (<https://github.com/clariuslabs/tracerhub>)

900. traverse (<https://github.com/substack/js-traverse>)

901. trim-right (<https://github.com/sindresorhus/trim-right>)

902. tryit (<https://github.com/HenrikJoretteg/tryit>)

903. tryor

904. try-resolve (<https://www.npmjs.com/package/try-resolve>)

905. Tslint (<https://github.com/palantir/tslint>)

906. tunnel (<https://github.com/koichik/node-tunnel>)

907. tunnel-agent (<https://github.com/mikeal/tunnel-agent>)

908. type-check (<https://github.com/gkz/type-check>)

909. typechecker (<https://github.com/bevry/typechecker>)

910. typedarray (<https://github.com/substack/typedarray>)

911. typed-rest-client (<https://github.com/Microsoft/typed-rest-client>)

912. Typescript (<https://github.com/Microsoft/TypeScript>)

913. TypeScript-TmLanguage (<https://github.com/Microsoft/TypeScript-TmLanguage>)

914. uglify-js (<https://github.com/mishoo/UglifyJS2>)

Includes: Acorn

Includes: parse-js

915. uglify-to-browserify (<https://github.com/ForbesLindesay/uglify-to-browserify>)

916. UI Automation Com Adapter (<http://uiacomwrapper.codeplex.com>)

917. UI for WPF (<http://www.telerik.com/products/wpf/overview.aspx>)

918. uid-number (<https://github.com/isaacs/uid-number>)

919. ultron (<https://github.com/unshiftio/ultron>)

920. umask (<https://github.com/smikes/umask>)

921. umd (<https://github.com/ForbesLindesay/umd>)

922. underscore.js (<http://underscorejs.org/>; <https://github.com/jashkenas/underscore>)

Includes: Normalize.css

923. underscore.string (<https://github.com/epeli/underscore.string>)

924. Unicode codepoint range data (<http://www.unicode.org>)

925. Unicode Consortium (<http://unicode.org/>)

926. Unified AST (UAST) (<https://github.com/JetBrains/uast>)

927. unique-filename (<https://github.com/iarna/unique-filename>)

928. unique-slug (<https://github.com/iarna/unique-slug>)

929. Unity (<http://unity.codeplex.com/>)

930. unity-shader-files (<https://github.com/nadege/unity-shader-files>)

931. unorm.js (<https://github.com/walling/unorm/blob/master/lib/unorm.js>)

932. unpipe (<https://github.com/stream-utils/unpipe>)

933. untangle (<https://github.com/stchris/untangle>)

934. untildify (<https://github.com/sindresorhus/untildify>)

935. unzip-response (<https://github.com/sindresorhus/unzip-response>)

936. update-notifier (<https://github.com/yeoman/update-notifier>)

937. URI.js (<http://medialize.github.io/URI.js/>)

Includes: Second Level Domains (<https://github.com/gavingmiller/second-level-domains>)

Includes: Universal Module Definition (<https://github.com/umdjs/umd/blob/master/returnExports.js>)

Includes: Punycode.js (<http://mths.be/punycode>)

Includes: IPV6.js (<http://download.dartware.com/thirdparty/ipv6validator.js>)

938. url-parse-lax (<https://github.com/sindresorhus/url-parse-lax>)

939. user-home (<https://github.com/sindresorhus/user-home>)

940. util-deprecate (<https://github.com/TooTallNate/util-deprecate>)

941. util-extend (<https://github.com/isaacs/util-extend>)

942. uuid (<https://github.com/kelektiv/node-uuid>)

943. v8 (<https://github.com/v8/v8>)

944. validate-npm-package-license (<https://github.com/kemitchell/validate-npm-package-license.js>)

945. validate-npm-package-name (<https://github.com/npm/validate-npm-package-name>)

946. VBDotNetSyntax (<https://github.com/angryant0007/VBDotNetSyntax>)

947. Visual Studio Code TextMate grammar file(s) (<https://github.com/Microsoft/vscode>)

948. Visual Studio package for Node.js

949. Visual Studio Toolset for Cordova

950. Volkan Yazc libpqueue (<https://github.com/vy/libpqueue>)

951. vscode (code-oss-dev) (<https://github.com/Microsoft/vscode>)

952. vscode-chrome-debug (<https://github.com/Microsoft/vscode-chrome-debug>)

953. vscode-chrome-debug-core (<https://github.com/Microsoft/vscode-chrome-debug-core>)

Includes: Style guide "forked from" TypeScript style guide

954. vscode-debugadapter (<https://github.com/Microsoft/vscode-debugadapter-node>)

955. vscode-debugadapter-node (<https://github.com/Microsoft/vscode-debugadapter-node>)

956. vscode-edge-anaheim (<https://github.com/Microsoft/vscode-edge-debug2>)

957. vscode-edge-debug2 (<https://github.com/Microsoft/vscode-edge-debug2>)

958. vscode-js-debug (<https://github.com/microsoft/vscode-js-debug>)

959. vscode-jsonrpc (<https://github.com/Microsoft/vscode-languageserver-node>)

960. vscode-nls (<https://github.com/Microsoft/vscode-nls>)

961. vscode-node-debug2 (<https://github.com/Microsoft/vscode-node-debug2>)

962. vscode-swift (<https://github.com/owensd/vscode-swift>)

963. vso-node-api (<https://github.com/Microsoft/vsts-node-api>)

Includes: httpntlm

964. vs-streamjsonrpc (<https://github.com/microsoft/vs-streamjsonrpc>)

965. VSTS-task-lib (<https://github.com/Microsoft/vsts-task-lib>)

966. vtune

967. wewidth (<https://github.com/timoxley/wewidth>)

968. WebActivator version 1.5.3 (<http://nuget.org/packages/WebActivator>)

969. WebActivator version 2.0.6 (<https://github.com/davidebbo/WebActivator>)

970. WebGrease (<http://webgrease.codeplex.com/>)

971. WebSocket4net ( <https://github.com/kerryjiang/WebSocket4Net/>)

Includes: SuperSocket.ClientEngine (<https://github.com/kerryjiang/SuperSocket.ClientEngine>)

Includes: BouncyCastle.Crypto for Silverlight 4.0 (<http://www.bouncycastle.org/>)

972. WhatWG DOM Standard (<https://github.com/whatwg/dom>)

973. which (<https://github.com/isaacs/node-which>)

974. Windows Azure Active Directory Authentication Library (ADAL) for Node.js (<https://github.com/AzureAD/azure-activedirectory-library-for-nodejs>)

975. Windows Azure Active Directory IdentityModel Extensions for .Net (<https://github.com/AzureAD/azure-activedirectory-identitymodel-extensions-for-dotnet>)

976. window-size (<https://github.com/jonschlinkert/window-size>)

977. winreg (<https://github.com/fresc81/node-winreg>)

978. win-release (<https://github.com/sindresorhus/win-release>)

979. WinSparkle (<https://winsparkle.org/>)

980. winstonjs (<https://github.com/winstonjs/winston>)

981. winstore-jscompat (<https://github.com/Microsoft/winstore-jscompat>)

982. WiX Toolset (<http://wixtoolset.org/>)

983. wordwrap (<https://github.com/substack/node-wordwrap>)

984. wpfinspector (<https://github.com/dotnetprojects/wpfinspector>)

985. wrap-ansi (<https://github.com/chalk/wrap-ansi>)

986. wrappy (<https://github.com/npm/wrappy>)

987. write (<https://github.com/jonschlinkert/write>)

988. write-file-atomic (<https://github.com/iarna/write-file-atomic>)

- 989. ws (<https://github.com/websockets/ws>)
- 990. xdg-basedir (<https://github.com/sindresorhus/xdg-basedir>)
- 991. Xml2JS (<https://github.com/Leonidas-from-XIV/node-xml2js>)
- 992. Xmlbuilder (<https://github.com/oozcitak/xmlbuilder-js>)
- 993. XmlParser (<https://github.com/KirillOsenkov/XmlParser>)
- 994. xregexp (<http://xregexp.com/>)
- 995. xtend (<https://github.com/Raynos/xtend>)
- 996. xUnit (<https://github.com/xunit/xunit>)
- 997. Xwt (<https://github.com/mono/xwt/>)
- 998. Xxhash (<https://github.com/Cyan4973/xxHash>)
- 999. y18n (<https://github.com/bcoe/y18n>)
- 1000. yallist (<https://github.com/isaacs/yallist>)
- 1001. YamlDotNet (<https://github.com/aaubry/YamlDotNet>)
- 1002. yargs (<https://github.com/yargs/yargs>)
- 1003. yargs-parser (<https://github.com/yargs/yargs-parser>)
- 1004. Zero Clipboard (<http://zeroclipboard.org>)
- 1005. zip-stream (<https://github.com/archiverjs/node-zip-stream>)
- 1006. zlib (<http://zlib.net>; <https://github.com/jtkukunas/zlib/>)
- 1007. Zlib Decompressor ([http://zlib.net/zlib\\_license.html](http://zlib.net/zlib_license.html))

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%% ActiveState cookbook recipe "Remove duplicates from a sequence" NOTICES AND INFORMATION BEGIN HERE
=====
Remove duplicates from a sequence
```

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
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Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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Includes require-cs

require-cs

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asn1crypto

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bzip2  
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Julian Seward, [jseward@acm.org](mailto:jseward@acm.org)  
bzip2/libbzip2 version 1.0.8 of 13 July 2019

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ca-certificates

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certifi

This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#  
This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:  
<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>  
It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php\_curl, or with an Apache+mod\_ssl webserver for SSL client authentication.  
Just configure this file as the SSLCACertificateFile.#

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cffi

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chardet

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powershell\_shortcut

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pycosat

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pycparser -- A C parser in Python

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Python

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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, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was 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 Year Owner GPL-  
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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  
2.1.2 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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pywin32

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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, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was 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 Year Owner GPL-  
from 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  
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requests

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ruamel\_yaml

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setuptools

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six

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yaml

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

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pycrypto A collection of both secure hash functions (such as SHA256 and RIPEMD160), and various encryption algorithms (AES, DES, RSA, ElGamal, etc.).

pyopenssl A thin Python wrapper around (a subset of) the OpenSSL library.

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/\* zlib.h -- interface of the 'zlib' general purpose compression library  
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;-- Component support macros: ---  
; The code for the add/remove functionality is from:  
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// https://gist.github.com/3944250
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Current maintainers are: [Paul Miller](<http://paulmillr.com>), [Jordan Harband](<https://github.com/ljharb>), and [C. Scott Ananian](<http://cscott.net>).

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System.Char.cs

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Constants and structures defined by the internet system, Per RFC 790, September 1981.  
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DOCUMENTATION ROADMAP  
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This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.  
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REFERENCES Where to learn more about JPEG.  
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Other documentation files in the distribution are:

User documentation:

install.txt How to configure and install the IJG software.  
usage.txt Usage instructions for cjpeg, djpeg, jpegtran,  
rdjpgcom, and wrjpgcom.

\*.1 Unix-style man pages for programs (same info as usage.txt).  
wizard.txt Advanced usage instructions for JPEG wizards only.  
change.log Version-to-version change highlights.

Programmer and internal documentation:

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

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

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

## OVERVIEW

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

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

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

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG

decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application.

We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrijpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

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

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

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

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## REFERENCES

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

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



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

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

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

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

The original JPEG standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

IJG JPEG 8 introduced an implementation of the JPEG SmartScale extension which is specified in two documents: A contributed document at ITU and ISO with title "ITU-T JPEG-Plus Proposal for Extending ITU-T T.81 for Advanced Image Coding", April 2006, Geneva, Switzerland. The latest version of this document is Revision 3. And a contributed document ISO/IEC JTC1/SC29/WG1 N 5799 with title "Evolution of JPEG", June/July 2011, Berlin, Germany.

IJG JPEG 9 introduces a reversible color transform for improved lossless compression which is described in a contributed document ISO/IEC JTC1/SC29/WG1 N 6080 with title "JPEG 9 Lossless Coding", June/July 2012, Paris, France.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. JFIF 1.02 has been adopted as an Ecma International Technical Report and thus received a formal publication status. It is available as a free download in PDF format from

<http://www.ecma-international.org/publications/techreports/E-TR-098.htm>.

A PostScript version of the JFIF document is available at

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

<http://www.ijg.org/files/jfif.txt.gz>, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from <ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz>. The JPEG incorporation scheme

found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from <http://www.iijg.org/files/>. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note.

#### ARCHIVE LOCATIONS

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The "official" archive site for this software is [www.iijg.org](http://www.iijg.org). The most recent released version can always be found there in directory "files". This particular version will be archived as <http://www.iijg.org/files/jpegsr9.v9.tar.gz>, and in Windows-compatible "zip" archive format as <http://www.iijg.org/files/jpegsr9.zip>.

The JPEG FAQ (Frequently Asked Questions) article is a source of some general information about JPEG. It is available on the World Wide Web at <http://www.faqs.org/faqs/jpeg-faq/> and other news.answers archive sites, including the official news.answers archive at [rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/](ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/). If you don't have Web or FTP access, send e-mail to [mail-server@rtfm.mit.edu](mailto:mail-server@rtfm.mit.edu) with body  
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Version 2.1, February 1999

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better. However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the

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/\*

\* hash.c: chained hash tables

\*

\* Reference: Your favorite introductory book on algorithms

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\*/

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\* list.c: lists handling implementation

\*

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END OF recast NOTICES AND INFORMATION

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END OF redevyed NOTICES AND INFORMATION

%% Red Gate 'Data Tools' NOTICES AND INFORMATION BEGIN HERE

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The Red Gate 'Data Tools' are licensed to you by Red Gate Software Limited (and not by Microsoft) under the terms of the Red Gate Standard EULA.

---LICENSE-----  
Red Gate Standard EULA

Any use of the Software (as defined below) is subject to the terms of this licence agreement ("Agreement"). Please read the full Agreement carefully.

You confirm that you accept and agree to be legally bound by all terms and conditions of this Agreement, which will take effect:

- (i) when you click "I ACCEPT" when prompted as part of download of any Software purchased through our website (and a copy of this can be found at <https://www.red-gate.com/purchase/license.pdf>); or
- (ii) when you click "I ACCEPT" when prompted as part of download and/or installation through our website of any Software purchased through a Reseller; or
- (iii) on signature of a paper version of this Agreement (which will incorporate any documents attached to it at the time of signature e.g. quotes).

#### IMPORTANT NOTICES:

- (i) Where you sign a paper version of this Agreement, that paper version will take precedence over any subsequent click to agree versions of this Agreement presented on download and/or installation; and
- (ii) This Agreement shall prevail over your standard terms and conditions (if any) attached to, enclosed with, or referred to in, the purchase order or confirmation of order.

#### TERMS AND CONDITIONS

##### 1 DEFINITIONS

In this Agreement, the following terms shall have the following meanings:

"Automation Agent" means an instance of automation of our Software. This can be scheduled automation or manually triggered automation;

"Per Automation Agent Licensed Software" means the Software listed in Schedule 7;

"Bundle" means a set of more than one of the Software products that are supplied together for a single price. The titles of the Bundles are listed in Schedule 4;

"Client Component" means, where the Licensed Software is Per OSE Licensed Software, any component of the Per OSE Licensed Software directed to or otherwise provided for accessing the Server Component;

"Distribution" in the context of the SQL Comparison SDK means an instance of any of the files comprising the SQL Comparison SDK installed on an OSE other than the one on which you are developing your SQL Comparison SDK implementation;

"DLM Automation Component" means any or all of the components of the software known as "DLM Automation" listed in Schedule 2;

"Download" or "download" in connection with the Licensed Software means the downloading of the Licensed Software from our or any third party's remote server;

"Free Edition Software" means certain of our Software, as specified in the relevant Software information on our website <https://www.red-gate.com/products/free-tools> that is offered as a free edition (sometimes with limitations on the free use) as an alternative to a Licence Fee version;

"Core Edition Software" means Software listed in Schedule 8, and/or on our website <https://www.red-gate.com/products/free-tools>, that is offered as a free edition (sometimes with limitations on the free use) as an alternative to a Licence Fee version.

"Freeware" means the Software as specified in the relevant Software information on our website <https://www.red-gate.com/products/free-tools> for which there is not an alternative Licence Fee version;

"Install", "install", "installing", "installation" or "installed" in connection with the Licensed Software means installation of the Licensed Software using a serial key provided by us or a Reseller;

"Intellectual Property Rights" means patents, registered designs, registered trade and service marks, registered copyright and modifications to and applications for any of the foregoing and the right to apply for protection for such registered rights anywhere in the world and inventions, discoveries, copyright, database right, unregistered trade or service marks, brand names or know-how and any similar or equivalent rights whether capable of registration or not arising, applied for or granted under the laws of any country;

"Licence" means the licence to use the Licensed Software, set out in clause 3, 5 and/or Schedule 3 as appropriate;

"Licence Fee(s)" means the fees payable by you under this Agreement to us excluding VAT and all other relevant taxes, including Withholding Tax where applicable, as detailed by us from time to time including through our website, as part of a written quotation or renewal;

"Licensed Materials" has the meaning set out in Schedule 3;

"Licensed Software" means such of the Software, as is selected by you and as licensed to you under the terms of this Agreement, including any related manuals, help files or other documentation;

"Linked Software" means the complete set of Software associated with the relevant Bundle title as listed in Schedule 4;

"OSE" means an Operating System Environment which is all or part of an operating system instance, or all or part of a virtual (or otherwise emulated) operating system instance which enables separate machine identity (primary computer name or similar unique identifier) or separate administrative rights;

"Preview Software" means any beta version of the Software made available to you for preview prior to full release;

"Per OSE Licensed Software" means any or all of the Software listed in Schedule 1;

"Per User Licensed Software" means any or all of the Software listed in Schedule 2;

"Reseller" means any third party authorized by us to sell licences to the Software;

"Server Automated Process" means a task or job which runs or is triggered by a server;

"Server Component" means, where the Software licensed to you under this Agreement is Per OSE Licensed Software, the server-based components on a single OSE;

"Software" means any or all of the software products in executable form listed in Schedules 1 through 4 inclusive, and Schedules 7, 8 and 10;

"SQL Clone Entitlement" means, where the Licensed Software is SQL Clone, the usage entitlements you purchase for the Licensed Software;

"SQL Comparison SDK" (also known as "Synchronization Toolkit" or "SQL Toolkit") means any or all of the software, associated documentation and help files comprising an application programming interface as listed in Schedule 3;

"Support Package" means the support and upgrade package for the Licensed Software products as described in Schedule 5;

"Term" means the term for which we agreed to provide the Support Package to you during the purchase process;

"We", "Our", "Us" and the non-capitalised versions means Red Gate Software Limited, a company registered in England with company number 3857576 and having its registered office at Newnham House, Cambridge Business Park, Cambridge CB4 0WZ, United Kingdom;

"You", "Your" and the non-capitalised versions means, whether the Licensed Software is obtained directly from us or through a Reseller, (a) where an individual downloads and/or installs the Licensed Software on a OSE for his own personal use, that individual (a "Consumer"); or (b) where an individual downloads and/or installs the Licensed Software on a OSE for business use, that individual's employer (and we will assume that such individual has the authority to purchase on behalf of their employer); or (c) where an entity or organisation downloads and/or installs the Licensed Software on a OSE for use by its employees, that entity or organisation (and such entity shall be responsible for all use by its employees of the Licensed Software).

## 2 HEADINGS

The headings to the clauses and Schedules of this Agreement are for convenience only and will not affect its construction or interpretation.

## 3 EVALUATION LICENCE

3.1 In return for the mutual rights and obligations set out in this Agreement, we grant you the right to use the Licensed Software for a period of 14 days from when it is initially installed by or on behalf of you ("Evaluation Period"). During the Evaluation Period you can decide whether or not the Licensed Software meets your requirements. The Evaluation Period may be extended by written agreement with us. Note that this clause 3 does not apply to the Freeware.

3.2 During the Evaluation Period, you hereby agree that the Licensed Software is provided "AS IS" with no representation, guarantee or warranty of any kind as to its functionality, quality, performance, suitability or fitness for purpose. All other terms, conditions, representations and warranties expressed or implied whether by statute or otherwise are hereby expressly excluded.

3.3 We shall not be liable for any claim, damages or other liability arising from or in connection with your use of the Licensed Software during the Evaluation Period.

3.4 For the avoidance of doubt, during the Evaluation Period: (a) clauses 5.1, 8.1, 9.3 and 13.2 of this Agreement shall not apply; and (b) clause 13.1 shall apply except that the reference to clause 13.2 is deleted.

3.5 Before or upon expiry of the Evaluation Period:

3.5.1 if, in your sole opinion, the Licensed Software has met your requirements, and you wish to continue to use the Licensed Software beyond the end of the Evaluation Period, you can decide whether to obtain a licence to the Free Edition Software, Core Edition Software or the equivalent Licence Fee version. Once the appropriate the licence has been obtained, this Agreement



shall continue in force (except that this clause 3 shall no longer apply).

3.5.2 if you decide that the Licensed Software does not meet your requirements, or otherwise do not wish to enter into a paid up Licence, then you shall destroy the Licensed Software and all copies, in any form including partial copies or modifications of the Licensed Software received from us or made in connection with this Licence and all documentation relating thereto. Any rights of yours to use the Licensed Software shall cease.

#### 4 OWNERSHIP OF INTELLECTUAL PROPERTY RIGHTS

4.1 You acknowledge that:

4.1.1 all Intellectual Property Rights in or relating to the Licensed Software are owned by or licensed to us or licensed to us for business use; and

4.1.2 except as expressly granted under the Licence, you have no rights in the Licensed Software.

4.2 You hereby agree to refrain from any action which would diminish our Intellectual Property Rights in or relating to the Licensed Software or which would call them into question.

4.3 You agree not to remove or alter any trade marks, copyright notices or similar proprietary devices, including without limitation any electronic watermarks or other identifiers, that may be incorporated in the Licensed Software or any copy of the Licensed Software.

4.4 If you become aware of any infringement or suspected infringement of our Intellectual Property Rights in or relating to the Licensed Software by any third party, you shall notify us without delay. We and you shall consult together on an appropriate course of action but neither party shall be obliged to take any action in respect of any such infringement or suspected infringement.

#### 5 LICENCE

5.1 In return for the mutual rights and obligations under this Agreement, and subject to (a) (other than in relation to the Freeware, the Free Edition Software, and the Core Edition Software) the payment of the Licence Fees by you to us and, where relevant, additional Licence Fees, (b) clauses 10 and 11 (and in relation to SQL Comparison SDK, paragraphs 1, 2 and 4 of Schedule 3, and in relation to SQL Clone, paragraphs 1 - 7 of Schedule 10) we grant to you in perpetuity a limited, personal, non-exclusive, non-sub-licensable and non-transferable licence:

5.1.1 subject to clauses 5.1.5 and 5.3, to use and copy the Licensed Software for use on a single OSE owned, leased and/or controlled by you for internal use;

5.1.2 subject to clause 5.1.5, to make one copy of the Licensed Software in machine readable form for normal operational security and back-up purposes. You must ensure that such copy is not installed on any OSE at any time when the original copy of the Licensed Software supplied to you is installed upon any other OSE. The Licence will apply to such copy as it applies to the original copy of the Licensed Software installed by you. Such copy and the media on which it is stored will be our property and you shall ensure that such copy bears our proprietary notice;

5.1.3 in addition, where the Licensed Software is Per OSE Licensed Software:

(i) to use and copy the Server Component on a single OSE owned, leased and/or controlled by you for internal use; and

(ii) where applicable, to use and copy the Client Component on one or more OSEs leased and/or controlled by you for internal use;

5.1.4 in addition, where the Licensed Software includes one or more Bundles then the Linked Software within each Bundle must be used in the same OSE; and

5.1.5 in addition, where the Licensed Software is Per User Licensed Software, it is licensed for use by a specific user only. Per User Licensed Software may be used by the licensed user on more than one OSE.

5.2 Except as stated in this Licence, you have no right to use, incorporate into other products, copy, publish, display, modify, translate the Licensed Software or any modification, adaptation or copy of the Licensed Software or any part thereof. You may only decompile, reverse engineer, or disassemble the source code of the Licensed Software either in whole or in part, as expressly permitted under the Licence or under Sections 50(A), (B) and (BA) of the Copyright, Designs and Patents Act 1988 (as amended or updated from time to time) or other applicable law.

5.3 The Licence is personal to you. Except as allowed in clause 21, you may not rent, lease, sub-licence, sell, assign, or pledge the Licensed Software, on a temporary or permanent basis, without our prior written consent.

5.4 You shall not use the Licensed Software to manufacture or distribute a product that is substantially similar to or competitive with our Software.

5.5 Where the Licensed Software is SmartAssembly or SmartAssembly Pro then the following shall apply in addition to the rights in clause 5.1:

5.5.1 we will provide a server on which to store up to 1000 of your error reports; and

5.5.2 we will use reasonable endeavours to ensure that such server remains available. However, we do not provide any special facilities such as fault tolerance and so cannot guarantee that provision of the storage service on the server will be uninterrupted or that reports will not be lost.

5.6 Licence to Free Edition Software, Core Edition Software and Freeware. In return for the mutual rights and obligations set out in this Agreement, we grant you the right to use the Freeware, Core Edition Software and Free Edition Software. We specify limitations on free use of some of our Free Edition Software and Core Edition Software in the relevant Software information on our website <https://www.red-gate.com/products/free-tools> and in clause 5.11 as an alternative to an unrestricted Licence Fee version.

5.7 Licence to Preview Software. In return for the mutual rights and obligations set out in this Agreement, we grant you the right to use the Preview Software.

5.8 For the avoidance of doubt: (a) clauses 3, 6, 8.1 and 8.4 of this Agreement shall not apply to the Free Edition Software, Core Edition Software, Freeware and Preview Software; and (b) clause 13.2 shall apply except that the wording "and in such event, we shall refund to you all Licence Fees paid" shall be deleted and replaced with ", but no financial reimbursement will be given to you in such circumstances."

5.9 SQL Comparison SDK. Where you have elected to take a licence for the SQL Comparison SDK with your selected Licensed Software, the terms set out in Schedule 3 shall apply in relation to such Licensed Software in addition to the Licence in clause 5.

5.10 DLM Automation and SQL Toolbelt. To contribute or input database changes to a Server Automated Process that uses any DLM Automation Component(s), you must have a licence for DLM Automation. A licence for DLM Automation is only available as part of a licence of the Bundle known as SQL Toolbelt.

5.11 VISUAL STUDIO 2017 Core Edition Software. Only where the Licensed Software is both accessed through Visual Studio 2017 and is listed in Schedule 8, the following shall apply:

5.11.1 the rights granted under clause 5 to use the Licensed Software shall continue only for the applicable licence period specified in Schedule 9 ("Free Licence Period").

5.11.2 Schedules 1-7 (inclusive) and 10 do not apply.

5.11.3 if at any time you obtain a paid up licence of SQL Prompt Pro or ReadyRoll Pro, your use of SQL Prompt Pro or ReadyRoll Pro (as applicable) will be governed by this Agreement, except that clauses 5.6, 5.8 and 5.11 will no longer apply.

5.12 SQL Clone. Where the Licensed Software is SQL Clone, the terms set out in Schedule 10 shall apply in relation to such Licensed Software in addition to the licence in clause 5.

5.13 If you breach this clause 5, the Licence or rights granted will automatically terminate in accordance with the provisions of clause 10.

## 6 PAYMENT

6.1 Licence Fees shall be invoiced by us to include VAT and/or other relevant taxes, including Withholding Tax. Schedule 6 gives details of how such taxes are handled.

6.2 Licence Fees shall be payable on installation of the Licensed Software and/or on purchase and/or renewal of a Support Package (as applicable), except where agreed otherwise in writing with us.

6.3 Licence Fees for certain of the Licensed Software may differ depending on your status, and our website will identify where this is relevant. In relation to such Licensed Software, you must let us know if your status changes and we will be entitled to invoice for additional Licence Fees if appropriate. Failure to inform us of a change of status is a breach of your Licence and this Agreement.

6.4 Where you have obtained the Licensed Software through a Reseller, the terms you have agreed with such Reseller in relation to payment and invoicing will apply instead of this clause 6 (and Schedule 6).

## 7 CONFIDENTIALITY

7.1 The structure, organisation, and source code of the Licensed Software are valuable trade secrets and proprietary confidential information of ours and our licensors. You agree not to provide or disclose any confidential information in the Licensed Software or derived from it to any third party, including where such confidential information is derived under any applicable law as set out in clause 5.2 (except in, and limited to, the circumstances permitted under Schedule 3).

7.2 Other than the disclosures referred to in our Privacy Policy (see clause 12), we agree not to provide or disclose any information of a confidential nature in any form whatsoever which is disclosed by or on behalf of you to us to any third party.

7.3 The provisions of clauses 7.1 and 7.2 will not apply to the extent that:

7.3.1 such information is in the receiving party's possession free from any restriction as to its use or disclosure; or  
7.3.2 the receiving part can demonstrate that such information is in the public domain (other than as a result of an unauthorised disclosure); or  
7.3.3 such information is required to be disclosed by law.  
7.4 No information to which clause 7.3.3 applies shall be disclosed to a third party unless and until the receiving party has (unless prevented from doing so by law):  
7.4.1 given the disclosing party, where practicable, five (5) U.K. business days, written notice of such proposed disclosure;  
7.4.2 consulted with the disclosing party; and  
7.4.3 agreed with the disclosing party the content of the disclosure  
provided that it shall not limit the disclosure in a manner which would prevent the receiving party from complying with a statutory or regulatory obligation or court order.  
7.5 For the purpose of this clause 7, "receiving party" means the party receiving the confidential information and "disclosing party" means the party by whom confidential information is disclosed.

## 8 WARRANTY AND SUPPORT

8.1 We hereby warrant that:

8.1.1 we own the Intellectual Property Rights in the Software and/or have the right to grant a licence to you;  
8.1.2 in creating the Licensed Software, we have not knowingly infringed the intellectual property rights of third parties; and  
8.1.3 the Licensed Software shall operate substantially in accordance with its description. However, you acknowledge that the Licensed Software and related materials is of such a complexity that there will be inherent defects and that therefore we can give no warranty that the Licensed Software is free from error or defect or that operation of the Licensed Software shall be uninterrupted.

8.2 Other than as provided for in clause 8.1 above, we do not offer any warranty related to the Licensed Software and/or the Support Package, either express or implied, including but not limited to implied warranties of fitness for purpose or satisfactory quality. The Licensed Software has been developed as a standard product for use by a wide variety of users and so we are unable to warrant that the Licensed Software will meet any particular user needs. You shall take full responsibility for ensuring that the Licensed Software is suitable for your intended purposes and to facilitate your checks of such suitability, we offer a free Evaluation Period.

8.3 In relation to the Free Edition Software, Core Edition Software, Preview Software and Freeware, you hereby agree that the Licensed Software is provided "AS IS" with no representation, guarantee or warranty of any kind as to its functionality, quality, performance, suitability or fitness for purpose. All other terms, conditions, representations and warranties expressed or implied whether by statute or otherwise are hereby expressly excluded.

8.4 Support. In relation to and without prejudice to the generality of clause 8.2 above, we provide support to users via our web site and user forums. You may also purchase a Support Package with certain of the Licensed Software, and when purchased, provision of the Support Package shall be subject to the terms of this Agreement. You accept that, although we will use reasonable endeavours to solve problems identified by purchasers of the Support Package, the nature of software is such that no guarantee can be provided that any particular problem will be solved. We shall have the right to withdraw services under the Support Package, without notice, if you are in default under any terms of this Agreement.

## 9 LIMITATION AND EXCLUSION OF LIABILITY

9.1 We do not exclude our liability (if any) to you:

9.1.1 for personal injury or death resulting from our negligence;

9.1.2 for fraud; or

9.1.3 for any other matter for which liability cannot be excluded by law.

9.2 Subject to clause 9.1, we shall not be liable to you for any of the following types of loss or damage arising under or in relation to this Agreement (whether in contract, tort (including negligence), breach of statutory duty, restitution or otherwise):

9.2.1 any loss of profits, business, contracts, anticipated savings, goodwill, or revenue; or

9.2.2 any loss, or corruption, of software or data; or

9.2.3 any loss of use of hardware, software or data; or

9.2.4 any indirect, special or consequential loss or damage whatsoever,

even if we have been advised in advance of the possibility of such loss or damage.

9.3 Subject to clauses 9.1 and 9.2, our aggregate liability under this Agreement (whether in contract, tort (including negligence),

breach of statutory duty, restitution or otherwise) shall be limited in all cases to the price paid for the Licensed Software. In relation to the Free Edition Software, Core Edition Software, Preview Software and Freeware, our sole liability under this Agreement, subject to clause 9.1, shall be as set out in clause 13.2 as amended by clause 5.8.

9.4 You acknowledge that the provisions of clauses 8, 9 and 13.1 are reasonable and reflected in the price which would be higher without those provisions, and you will accept such risk. In the event that any of the limitations or exemptions in this Agreement shall be found to be void, clauses 8, 9 and 13.1 shall be construed in accordance with clause 16.

## 10 TERM AND TERMINATION

10.1 The Licence shall commence upon your acceptance of its terms and shall continue in perpetuity unless terminated in accordance with clause 10.3 or 10.4, or otherwise in accordance with this Agreement.

10.2 Any Support Package you purchase will be provided for the Term, unless terminated in accordance with clause 10.3 or 10.4, or otherwise in accordance with this Agreement.

10.3 We may terminate the Licence and/or Support Package immediately and without notice if:

10.3.1 we reasonably suspect that you are using the Licensed Software for any purpose which contravenes the laws of England; or

10.3.2 you materially fail to comply with any provision of this Agreement.

10.4 The Licence will terminate automatically:

10.4.1 if you uninstall the Licensed Software, or uninstall and destroy or voluntarily return the Licensed Software to us; or

10.4.2 at the end of the Free Licence Period.

10.5 Where the Licence is terminated in accordance with clause 10.3 or 10.4, then the Agreement shall terminate in its entirety.

10.6 Upon termination of this Agreement, you must uninstall the Licensed Software and destroy all copies of the Licensed Software including all components of it in your power, possession or control.

10.7 The termination of this Agreement howsoever arising shall not affect the rights, duties and liabilities of either party accrued prior to termination. Following termination, no obligations or liabilities remain with us.

10.8 On termination of this Agreement, and except as under clause 10.5 above, the provisions of clause 1 (Definitions), 2 (Interpretation), 4 (Ownership of Intellectual Property Rights), clause 7 (Confidentiality), clauses 8.2 and 8.3 (Warranty), clause 9 (Limitation and Exclusion of Liability), clause 10 (Term and Termination), clause 11 (Audit), clause 13 (Third Party Claims), clauses 14 to 21 and paragraph 3 of Schedule 3, will remain in effect.

## 11 AUDIT

11.1 You agree that we shall have the right (where we reasonably suspect that the terms of clauses 5 and 6 have not been complied with or that you are otherwise in breach of this Agreement) upon reasonable notice to have an independent third party auditor enter your premises to audit any OSE system or electronic media onto which the Licensed Software or any adaptation, modification or copy of the Licensed Software has been installed in order to verify compliance with this Agreement. Prior to exercising such right to audit we and/or the third party auditor shall if required by you enter into an appropriate and reasonable confidentiality agreement. We will pay the costs of any such examination or audit unless such audit shows that additional fees are payable by you or that you are otherwise in breach of this Agreement, in which case you shall pay the costs of the examination or audit.

11.2 Where we reasonably conclude that additional Licence Fees are due from you under this Agreement, we shall make a request in writing. You shall pay such additional Licence Fees within thirty (30) days of the date of the request. Non payment of such fees shall, without prejudice to any other rights that we might have, give us the right to terminate this Agreement with immediate effect.

11.3 Where we reasonably conclude that you are otherwise in breach of this Agreement, we shall at our sole choice provide you with written notice of such breach and either (i) provide details of any remedial action required by you; or (ii) terminate this Agreement.

11.4 Where the SQL Comparison SDK is licensed to you, we shall also have the right to audit through independent certified public accountants all records and accounts of yours which contain information bearing upon the amount of Licensed Products licensed, sold or distributed by you. We shall ensure that such independent accountants are bound by confidentiality undertakings at least as onerous as those set out in clause 7. To the extent an examination and audit reveals more than 10 copies of Licensed Products incorporating Licensed Materials having been made, distributed, sold or licensed without the applicable licence fees having been paid, an appropriate payment shall be made promptly to us by you to reflect an amount of royalties agreed by the parties in relation to such Licensed Products, otherwise we may terminate this Agreement in accordance with clause 10.2.

## 12 DATA COLLECTION AND PRIVACY POLICY

Information on the data we collect about you and how we treat that data is set out in our Privacy Policy, which can be viewed at: <https://www.red-gate.com/our-company/about/legal>.

## 13 THIRD PARTY CLAIMS

13.1 Except as in clause 13.2 below, if a third party claims that the Licensed Software, as a result of your use of the Licensed Software, causes loss or damage whether in contract, tort (including negligence), breach of statutory duty, restitution or otherwise, then, without prejudice to our overall liability to such third party, you shall indemnify us from any such loss or damage.

13.2 If any claim is brought against you alleging that your use of the intellectual property associated with the Licensed Software infringes the rights of any third party, you shall promptly notify us and supply full details of the claim. The two of us shall consult together on an appropriate course of action and shall seek to minimise the effect of any claim on the respective businesses. We shall have the right, but not the obligation, to take control of all negotiations and litigation arising out of the claim. We will pay any damages and costs awarded against you in connection with any claim subject to a maximum of the aggregate sum of Licence Fees paid to us by you under this Agreement. We shall have the right, at our sole choice, either: (i) use reasonable endeavours to negotiate terms for continued use by you of the claimed infringing software; or (ii) use reasonable endeavours to amend the Licensed Software to make it non-infringing; or (iii) terminate this Agreement with immediate effect and in such event, we shall refund to you all Licence Fees paid.

## 14 GOVERNING LAW AND SETTLEMENT OF DISPUTES

14.1 This Agreement (and any dispute or claim relating to it, or its formation, existence, construction, performance, validity or termination) will be governed by and construed in accordance with the laws of England.

14.2 The courts of England and Wales shall have non-exclusive jurisdiction to settle any dispute or claim arising out of or in connection with this agreement or its subject matter or formation (including non-contractual disputes or claims).

14.3 Without prejudice to any other rights or remedies that we may have, you acknowledge and agree that damages alone would not be an adequate remedy for any breach of clauses 4, 5 and/or 7 by you. Accordingly, we shall be entitled to seek an injunction or other equitable relief for any threatened or actual breach of those clauses.

## 15 COMPLIANCE WITH APPLICABLE LAW

You acknowledge and agree that notwithstanding the fact that this Agreement is governed by the laws of England you may be subject to additional laws in other jurisdictions with respect to your use of the Licensed Software in such jurisdictions. You agree to comply with the laws of any such jurisdiction that apply to the Licensed Software including without limitation any applicable export laws or regulations.

## 16 SEVERABILITY

If any provision or part of any provision in this Agreement shall be found by any court, body or authority of competent jurisdiction to be illegal, invalid or unenforceable for any reason then the parties shall meet promptly to discuss in good faith and agree an alternative provision or part provision that provides as closely as possible, the same commercial effect as the original. If this happens then the remaining provisions or part provisions are unaffected.

## 17 NO WAIVER

No failure or delay by any party to exercise any right, power or remedy will operate as a waiver of it nor will any partial exercise preclude any further exercise of the same, or of some other right, power or remedy.

## 18 NO THIRD PARTY RIGHTS

We and you do not intend that any of this Agreement will be enforceable by virtue of the Contracts (Rights of Third Parties) Act 1999 by any person not a party to it and all rights by virtue of the Contracts (Rights of Third Parties) Act 1999 are hereby excluded.

## 19 ENTIRE AGREEMENT

This Agreement contains all the terms which the parties have agreed in relation to the subject matter of this Agreement and supersedes any prior written or oral agreements, representations (save for any fraudulent misrepresentation, fraud or

concealment) or understandings between the parties in relation to such subject matter.

## 20 REVISIONS TO TERMS

We reserve the right to revise the terms of this Agreement by updating this Agreement on our website, or by notifying you by post or by email. You are advised to check the website periodically for notices concerning such revisions. Your continued use of the Licensed Software shall be deemed to constitute acceptance of any revised terms.

## 21 NO ASSIGNMENT

21.1 The Licence is personal to you. You may not assign the benefit or delegate the burden of this Agreement or hold this Agreement on trust for any other person, provided that:

21.1.1 You shall, in relation to Per OSE Licensed Software, be entitled to assign or transfer the benefit of this Agreement once to another single OSE owned, leased and/or controlled by you or your employer or organisation for whom you have installed the Licensed Software for internal use. Any second or subsequent assignment or transfer of the benefit of this Agreement of Per OSE Licensed Software shall require our prior written consent, not to be unreasonably withheld; and

21.1.2 where the Licensed Software is Per OSE Licensed Software which includes a Client Component, you may use and install such Client Component on more than one OSE.

## 22 CONSUMER REGULATIONS

22.1 This clause applies to Consumers only.

22.2 You shall have the right to cancel this Agreement 14 days from the date you agree to be obliged to pay for the Licensed Software and/or Support Package under this Agreement.

22.3 Should you wish to cancel this Agreement under clause 22.2, you must notify us of your decision to cancel by either:

22.3.1 returning a completed Model Cancellation Form (a copy of which is available here:

<https://www.red-gate.com/our-company/about/legal> to us; or

22.3.2 sending us an email clearly confirming your decision to the relevant email address on the "Contact Us" page of our website.

22.4 If you have any complaints about this Agreement, including complaints about the Licensed Software and/or Support Package, please raise these with Red Gate using the relevant contact details on the "Contact Us" page of our website.

## SCHEDULE 1

### PER OSE SOFTWARE

SmartAssembly

SmartAssembly Pro

SQL Backup

SQL Backup Lite

SQL Backup Pro

SQL Backup Standard

SQL Hyperbac

SQL Monitor

SQL Response

SQL Storage Compress

SQL Virtual Restore

## SCHEDULE 2

### PER USER SOFTWARE

.NET Demon

.NET Reflector Standard

.NET Reflector VS

.NET Reflector VSPro

ANTS Performance Profiler

ANTS Memory Profiler

ANTS Performance Profiler Pro

Data Compare for Oracle

DLM Automation\* (only available as part of the SQL Toolbelt, for purchases after 13th June 2016)  
Exception Hunter  
MySQL Compare  
MySQL Data Compare  
ReadyRoll Pro (only available as part of the SQL Toolbelt, for purchases after 31st May 2017)  
Schema Compare for Oracle  
Schema Doc for Oracle  
SmartAssembly Developer  
Source Control for Oracle  
SQL Compare  
SQL Compare Pro  
SQL Comparison SDK  
SQL Connect  
SQL Data Compare  
SQL Data Compare Pro  
SQL Dependency Tracker  
SQL Data Generator  
SQL Doc  
SQL Multi Script 5 Server  
SQL Multi Script 10 Server  
SQL Multi Script  
SQL Multi Script Unlimited  
SQL Object Level Recovery Native  
SQL Packager  
SQL Packager Pro  
SQL Prompt  
SQL Prompt Pro  
SQL Refactor  
SQL Source Control  
SQL Test

\*The DLM Automation Components within DLM Automation are:

DLM Automation engine  
DLM Automation PowerShell cmdlets  
SQL Compare Pro command line  
SQL Data Compare Pro command line  
SQL Data Generator command line  
SQL Doc command line  
Redgate (SQL Server) JetBrains TeamCity plugin  
Redgate (SQL Server) Visual Studio Team Services Build extension  
Redgate (SQL Server) Visual Studio Team Services Release extension  
Redgate (SQL Server) Jenkins plugin  
Redgate (SQL Server) Atlassian Bamboo plugin  
Redgate (SQL Server) Octopus Deploy step templates

### SCHEDULE 3

#### SQL COMPARISON SDK

RedGate.SQLCompare.Engine.dll  
RedGate.SQLDataCompare.Engine.dll  
and their dependencies

SQL Comparison SDK additional terms:

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Deployment Suite for Oracle Data Compare for Oracle

Schema Compare for Oracle

Schema Doc for Oracle (removed March 2013)

Source Control for Oracle

SQL Backup & Restore Bundle SQL Backup Pro

(Bundle retired March 2013) SQL HyperBac

SQL Virtual Restore

SQL Toolbelt DLM Automation

ReadyRoll Pro

SQL Backup Pro

SQL Compare Pro

SQL Comparison SDK

SQL Connect (removed November 2014)

SQL Data Compare Pro

SQL Data Generator

SQL Dependency Tracker

SQL Doc



SQL Monitor  
SQL Multi Script Unlimited  
SQL Object Level Recovery Native (removed November 2014)  
SQL Packager (removed November 2014)  
SQL Prompt Pro  
SQL Search  
SQL Source Control  
SQL Test

SQL Developer Bundle SQL Compare Pro  
SQL Connect (removed November 2014)  
SQL Data Compare Pro  
SQL Data Generator  
SQL Dependency Tracker  
SQL Doc  
SQL Multi Script Unlimited  
SQL Packager (removed November 2014)  
SQL Prompt Pro  
SQL Search  
SQL Source Control  
SQL Test

SQL Comparison Bundle SQL Compare  
SQL Data Compare  
SQL Dependency Tracker  
SQL Packager (removed November 2014)  
SQL Search

SQL Prompt Bundle SQL Data Generator  
SQL Dependency Tracker  
SQL Doc  
SQL Prompt Pro  
SQL Search

SQL DBA Bundle SQL Backup Pro  
SQL Compare  
SQL Data Compare  
SQL Doc  
SQL HyperBac (removed March 2013)  
SQL Monitor  
SQL Multi Script Unlimited  
SQL Prompt  
SQL Virtual Restore (removed March 2013)

.NET Developer Bundle .NET Reflector VSPro  
ANTS Memory Profiler  
ANTS Performance Profiler Pro

.NET Development Suite .NET Demon Commercial (removed November 2014)  
(Bundle retired November 2014) .NET Reflector VSPro  
ANTS Memory Profiler  
ANTS Performance Profiler Pro

SQL Connect (removed November 2014)  
SQL Prompt Pro

.NET Toolbelt .NET Demon Commercial (removed November 2014)  
.NET Reflector VSPro  
ANTS Memory Profiler  
ANTS Performance Profiler Pro  
SmartAssembly Professional  
SQL Connect (removed November 2014)  
SQL Prompt Pro (removed November 2014)

VS Productivity Pack .NET Demon Commercial  
(Bundle retired October 2013) .NET Reflector VSPro  
SQL Connect  
SQL Prompt Pro

SQL Developer Suite SQL Compare Pro  
(Suite removed July 2016) SQL Data Compare Pro  
SQL Data Generator  
SQL Doc  
SQL Prompt Pro  
SQL Search  
SQL Source Control  
SQL Test

SQL Toolbelt Essentials SQL Compare Pro  
SQL Data Compare Pro  
SQL Data Generator  
SQL Doc  
SQL Prompt Pro  
SQL Search  
SQL Source Control  
SQL Test

DLM Automation Suite Red Gate (SQL Server) Team City plugin  
(Suite removed April 2016) Red Gate (SQL Server) TFS Build plugin  
SQL CI  
SQL Compare Pro  
SQL Data Compare Pro  
SQL Data Generator  
SQL Doc  
SQL Packager  
DLM Engine

DLM Automation Suite for Oracle Data Compare for Oracle  
(Suite removed August 2016) Schema Compare for Oracle

Note that "Per Automation Agent Licensed Software" means the automation capabilities of the tools belonging to the DLM Automation Suite and the Deployment Suite for Oracle

SCHEDULE 5  
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#### SCHEDULE 7 PER AUTOMATION AGENT LICENSED SOFTWARE

DLM Automation Suite (purchased before 13th June 2016)  
DLM Automation Suite for Oracle

SCHEDULE 8  
RED GATE CORE EDITION SOFTWARE FOR VISUAL STUDIO 2017 (ONLY)

ReadyRoll Core Edition  
SQL Prompt Core Edition  
ReadyRoll Pro  
SQL Prompt Pro  
SQL Search

SCHEDULE 9  
LICENCE PERIOD FOR SCHEDULE 8 SOFTWARE (ONLY)

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SQL Prompt Core Edition: 28 days from when it is initially installed by or on behalf of you, becoming perpetual if you create a Redgate account when prompted.

ReadyRoll Pro: 28 day trial licence from when a trial is commenced through the in-product dialog by or on behalf of you. At the end of 28 days you can decide whether to (a) obtain a paid up licence for ReadyRoll Pro\*, or (b) move to a perpetual licence of ReadyRoll Core Edition, or (c) request a trial extension.

SQL Prompt Pro: 28 day trial licence from when a trial is commenced through the in-product dialog by or on behalf of you. At the end of 28 days you can decide whether to (a) obtain a paid up licence for SQL Prompt Pro, or (b) move to a perpetual licence of SQL Prompt Core Edition, or (c) request a trial extension.

SQL Search: 28 days from when it is initially installed by or on behalf of you, becoming perpetual if you create a Redgate account when prompted.

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\* Real work actually done here by Sebastian on the Elasticsearch mailing list

\* <http://elasticsearch-users.115913.n3.nabble.com/Using-the-Snowball-stemmers-tp2126106p2127111.html>

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<http://github.com/ermau/tempest>

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// Original can be found at:

// <https://bitbucket.org/lindenlab/lld>

// Modifications by Joshua Bell [inexorabletash@gmail.com](mailto:inexorabletash@gmail.com)

// <https://github.com/inexorabletash/polyfill>

// ES3/ES5 implementation of the Khronos 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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Typed Rest Client for Node.js

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IPV6.js

Javascript to test an IPv6 address for proper format, and to present the "best text representation" according to IETF Draft RFC at <http://tools.ietf.org/html/draft-ietf-6man-text-addr-representation-04>  
8 Feb 2010 Rich Brown, Dartware, LLC  
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wwidth.js: JavaScript Portng of Markus Kuhn's wwidth() Implementation

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

Acknowledgments: The deflate format used by zlib was defined by Phil Katz. The deflate and zlib specifications were written by L. Peter Deutsch.

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shared\_ptr.hpp

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weak\_ptr.hpp

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enable\_shared\_from\_this.hpp

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