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## Contents

### **1.1 angular 1.3.4**

1.1.1 Available under license

### **1.2 ArgumentParser 0.3.0 :0.3.0**

1.2.1 Available under license

### **1.3 boost 1.64**

1.3.1 Available under license

### **1.4 Bootstrap 3.3.5**

1.4.1 Available under license

### **1.5 Cisco AnyConnect Linux Kernel Module 1.0.0**

1.5.1 Available under license

### **1.6 CocoaLumberJack 1.9.0**

1.6.1 Available under license

### **1.7 CoreParse 1.1 :1.1**

1.7.1 Available under license

### **1.8 dotzlib 1.2.3**

1.8.1 Available under license

### **1.9 FileVersionInfo None**

1.9.1 Available under license

### **1.10 GetText 1.9**

1.10.1 Available under license

### **1.11 jQuery 2.1.4**

### **1.12 jquery 3.2.1**

1.12.1 Available under license

### **1.13 JSZip 2.5.0**

1.13.1 Available under license

### **1.14 Idns 1.6.17 :2012-11-13**

- 1.14.1 Available under license
- 1.15 libcURL 7.55.1**
  - 1.15.1 Available under license
- 1.16 libxml2 2.9.8**
  - 1.16.1 Available under license
- 1.17 LitJSON 0.9.0 :0.9.0**
  - 1.17.1 Available under license
- 1.18 log4net 1.2.11**
  - 1.18.1 Available under license
- 1.19 LuaPlus None**
  - 1.19.1 Available under license
- 1.20 NDesk Options 0.2.1 :0.2.1**
  - 1.20.1 Available under license
- 1.21 Newtonsoft.Json 6.0.2**
  - 1.21.1 Available under license
- 1.22 Reachability 3.1.1**
  - 1.22.1 Available under license
- 1.23 SendKeys None**
  - 1.23.1 Available under license
- 1.24 sqlite3 3.8.10.2**
- 1.25 swig 1.3.37**
  - 1.25.1 Available under license
- 1.26 tinyxml 2.0**
  - 1.26.1 Available under license
- 1.27 tinyxpath None**
  - 1.27.1 Available under license
- 1.28 unzip 1.1.4**
  - 1.28.1 Available under license
- 1.29 UTF8-CPP 2.2.4**
  - 1.29.1 Available under license
- 1.30 ZIPDb Unknown**
  - 1.30.1 Available under license
- 1.31 zlib 1.2.3**
  - 1.31.1 Available under license

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"http://www.boost.org/tools/boostbook/dtd/boostbook.dtd">
<article id="copyright_test" last-revision="DEBUG MODE Date: 2000/12/20 12:00:00 $"
xmlns:xi="http://www.w3.org/2001/XInclude">
  <title>Copyright Test</title>
  <articleinfo>
    <copyright>
      <year>1963</year> <year>1964</year> <year>1965</year> <holder>Jane Doe</holder>
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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in

README.changes.

## HISTORY -

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

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

Some other contributors:

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

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(agg@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task). Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements.

Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC.  
Jesse Hull and John Ellis supplied the C++ interface code.  
Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)  
This package was debianized by Vladimir Prus <ghost@cs.msu.su> on Wed, 17 July 2002, 19:27:00 +0400.

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This is Release 2.4 of Jam/MR, a make-like program.

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## 1.15 libcurl 7.55.1

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~~~~~

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## 1.22 Reachability 3.1.1

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* -----
```

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```
-----
SendKeys (sndkeys32.pas) routine for 32-bit Delphi.
Written by Ken Henderson
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```

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# 1.25 swig 1.3.37

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```
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//
// THIS FILE is almost entirely based upon code by Jean-loup Gailly
// and Mark Adler. It has been modified by Lucian Wischik.
// The modifications were: incorporate the bugfixes of 1.1.4, allow
// unzipping to/from handles/pipes/files/memory, encryption, unicode,
// a windowsish api, and putting everything into a single .cpp file.
// The original code may be found at http://www.gzip.org/zlib/
// The original copyright text follows.
//
//
//
// zlib.h -- interface of the 'zlib' general purpose compression library
// version 1.1.3, July 9th, 1998
//
// Copyright (C) 1995-1998 Jean-loup Gailly and Mark Adler
```

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

```

## 1.29 UTF8-CPP 2.2.4

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```
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```

```
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```

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## 1.30 ZIPDb Unknown

### 1.30.1 Available under license :

```
// THIS FILE is almost entirely based upon code by info-zip.
// It has been modified by Lucian Wischik. The modifications
// were a complete rewrite of the bit of code that generates the
// layout of the zipfile, and support for zipping to/from memory
// or handles or pipes or pagefile or diskfiles, encryption, unicode.
// The original code may be found at http://www.info-zip.org
// The original copyright text follows.
//
//
//
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// The definitive version of this document should be available at
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// Johnny Lee, Onno van der Linden, Igor Mandrichenko, Steve P. Miller,
// Sergio Monesi, Keith Owens, George Petrov, Greg Roelofs, Kai Uwe Rommel,
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```
// documentation and/or other materials provided with the distribution.
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// 3. Altered versions--including, but not limited to, ports to new operating
// systems, existing ports with new graphical interfaces, and dynamic,
// shared, or static library versions--must be plainly marked as such
// and must not be misrepresented as being the original source. Such
// altered versions also must not be misrepresented as being Info-ZIP
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// but not limited to, different capitalizations), "Pocket UnZip," "WiZ"
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// binary releases.
//
```

## 1.31 zlib 1.2.3

### 1.31.1 Available under license :

#### 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 [<info@winimage.com>](mailto:info@winimage.com) 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 <markn@ieee.org> 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 <pmqs@cpan.org> 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 <amk@amk.ca> 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 <a.kupries@westend.com> 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 <info@winimage.com>, 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.
- gzopen 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.

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