

Contents

1.	P	roduct Scope & Preface	3
2.	S	oftware Components and Licenses	4
	2.1	distorm644	
	2.2	EDK II 5	
	2.3	GnuWin6	
	2.4	Jython7	
	2.5	OpenSSL	
	2.6	SWTResourceManager17	
	2.7	WPA SUPPLICANT22	
	2.8	Android Autogenerated Files23	
	2.9	Apache Harmony Apache27	
	2.10	Apache-Xerces-Java-XML-Parser32	
	2.11	C Make	
	2.12	ConvertUTF unicode37	
	2.13	CxImage38	
	2.14	Expat XMLparser43	
	2.15	HTTP Client C MIT44	
	2.16	Jquery45	
	2.17	JsonCpp46	
	2.18	Ilvm.org University of Illinois_NCSA48	
	2.19	Microsoft TPM 2.051	
	2.20	Minix 351	
	2.21	MIT Kerberos for Windows53	
	2.22	MSDN Example code53	
	2.23	newlib55	
	2.24	pugixml	



	2.25	Synopsys UFS Host Controller OS	67
	2.26	WPA SUPPLICANT	. 68
	2.27	zlib	. 69
3.	Lega	ıl Notes	72
4.	Trade	emarks	7



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6/73



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13/73



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Glenn Randers-Pehrson glennrp at users.sourceforge.net December 14, 2007

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 (deflate format) and 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). 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>, or to Gilles Vollant <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 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 availlable at 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

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