**OPEN SOURCE SOFTWARE NOTICE**

Please note we provide an open source software notice along with this product and/or this product firmware (in the following just “this product”). The open source software licenses are granted by the respective right holders. And the open source licenses prevail all other license information with regard to the respective open source software contained in the product, including but not limited to End User Software Licensing Agreement. This notice is provided on behalf of Huawei Technologies Co. Ltd. and any of its local subsidiaries which may have provided this product to you in your local country.

**Warranty Disclaimer**

**The open source software in this product is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY, without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the applicable licenses for more details.**

**Copyright Notice and License Texts**

Software: tcl 8.6.12

**Copyright notice:**

Copyright (c) 2003-2009 Daniel A. Steffen <das@users.sourceforge.net>  
Copyright (C) 2003-2010 Mark Adler  
Copyright (c) 2001 by Kevin B. Kenny. All rights reserved.  
Copyright (c) 1990-1994 The Regents of the University of California.  
Copyright (c) 2001-2004 Vincent Darley.  
Copyright (c) 1988-1994 The Regents of the University of California.  
Copyright (c) 1997 Christian Michelsen Research AS Advanced Computing Fantoftvegen 38, 5036 BERGEN, Norway  
Copyright (c) 2003 Vince Darley.  
Copyright (c) 2006 by Pat Thoyts  
Copyright (c) 1991-1995 Karl Lehenbauer & Mark Diekhans.  
Copyright (c) 1998-2000 Scriptics Corporation.  
Copyright (C) 1998 by Bob Dellaca.  
Copyright (c) 2003-2009 Donal K. Fellows.  
Copyright (c) 1994-1996 Sun Microsystems, Inc.  
Copyright (c) 2013-2017, tinydir authors: - Cong Xu - Lautis Sun - Baudouin Feildel - Andargor <andargor@yahoo.com> All rights reserved.  
Copyright (c) 1988 The Regents of the University of California.  
Copyright (C) 2007, 2008, 2012 Mark Adler Version 1.4 18 August 2012 Mark Adler  
Copyright (C) 1995-2017 Jean-loup Gailly For conditions of distribution and use, see copyright notice in zlib.h  
Copyright (c) 2002 Andreas Kupries <andreaskupries@users.sourceforge.net>  
Copyright (c) 1996 Sun Microsystems, Inc.  
Copyright (C) 2003, 2012 Mark Adler  
Copyright (c) 1999 by Scriptics Corporation  
Copyright (c) 2004-2010 by Donal K. Fellows.  
Copyright (C) 1995-2011, 2016 Mark Adler For conditions of distribution and use, see copyright notice in zlib.h  
Copyright (c) 2002-2010 by Donal K. Fellows.  
Copyright (C) 1995-2006, 2010, 2011, 2012, 2016 Mark Adler For conditions of distribution and use, see copyright notice in zlib.h  
Copyright (C) 2004, 2008, 2012, 2016 Mark Adler, all rights reserved For conditions of distribution and use, see copyright notice in gzlog.h version 2.2, 14 Aug 2012  
Copyright (C) 1995-2005, 2014, 2016 Jean-loup Gailly, Mark Adler For conditions of distribution and use, see copyright notice in zlib.h  
Copyright (C) 2003, 2012 Mark Adler, all rights reserved version 1.2, 11 Oct 2012  
Copyright (c) 1992-1995 Karl Lehenbauer & Mark Diekhans.  
Copyright (c) 2008 by Miguel Sofer. All rights reserved.  
Copyright (c) 1988, 1993, 1994 The Regents of the University of California. All rights reserved.  
Copyright (c) 1990-1993 The Regents of the University of California.  
Copyright (c) 2008-2012 Donal K. Fellows  
Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler  
Copyright 1989 Regents of the University of California Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies. The University of California makes no representations about the suitability of this software for any purpose.  
Copyright (C) 2004-2017 Mark Adler For conditions of distribution and use, see copyright notice in zlib.h  
Copyright (C) 1995-2017 Jean-loup Gailly detectdatatype() function provided freely by Copyright Cosmin Truta, 2006 For conditions of distribution and use, see copyright notice in zlib.h  
Copyright (c) 2005-2007 by Donal K. Fellows.  
Copyright (c) 2007-2008 ActiveState.  
Copyright (c) 2004-2013 by Donal K. Fellows.  
Copyright (c) 2007 Daniel A. Steffen <das@users.sourceforge.net>  
Copyright (c) 2001 by Kevin B. Kenny. All rights reserved.  
Copyright (c) 2005 by Kevin B. Kenny. All rights reserved.  
Copyright (c) 2006-2008 by Joe Mistachkin. All rights reserved.  
Copyright (c) 1998-1999 by Scriptics Corporation.  
Copyright (c) 1998, 1999 Henry Spencer. All rights reserved.  
Copyright (C) 2002-2013 Mark Adler For conditions of distribution and use, see copyright notice in puff.h version 2.3, 21 Jan 2013  
Copyright (C) 1995-2016 Mark Adler For conditions of distribution and use, see copyright notice in zlib.h  
Copyright Henrik Ravn 2004  
Copyright (C) 1995-2016 Jean-loup Gailly For conditions of distribution and use, see copyright notice in zlib.h  
Copyright (c) 2005-2013 Donal K. Fellows.  
Copyright (c) 1994-1995 Sun Microsystems, Inc.  
Copyright (c) 1992,1993,1995,1996, Jens-Uwe Mager, Helios Software GmbH Not derived from licensed software.  
Copyright (c) 2008 Miguel Sofer <msofer@users.sourceforge.net>  
Copyright (C) 2007-2008 Even Rouault  
Copyright (c) 2002 by David Gravereaux.  
Copyright (c) 1996-1997 Sun Microsystems, Inc.  
Copyright 1995-2017 Jean-loup Gailly and Mark Adler ;  
Copyright (C) 2003, 2005, 2008, 2010, 2012 Mark Adler For conditions of distribution and use, see copyright notice in zlib.h Version 1.7 12 August 2012 Mark Adler   
Copyright (C) 2005, 2012 Mark Adler For conditions of distribution and use, see copyright notice in zlib.h Version 1.1 29 Sep 2012 Mark Adler   
Copyright (c) 2006-2012 by Donal K. Fellows  
Copyright (c) 1993 The Regents of the University of California.  
Copyright (C) 2004, 2010 Mark Adler For conditions of distribution and use, see copyright notice in zlib.h  
Copyright (C) 2005 Unitas Software B.V.  
Copyright (c) 1987-1994 The Regents of the University of California.  
Copyright (c) 1995-1996 Sun Microsystems, Inc.  
Copyright (c) 2003-2004 by Joe Mistachkin  
Copyright (c) 2007 Miguel Sofer  
Copyright (c) 2004, 2005 by Mark Adler<br>Last modified 11 December 2005  
Copyright (C) 1995-2003 Jean-loup Gailly and Mark Adler.  
Copyright (C) 1995-2006, 2011, 2016 Jean-loup Gailly For conditions of distribution and use, see copyright notice in zlib.h  
Copyright (c) 2004, 2005 Mark Adler.  
Copyright (c) 2002-2005 Donal K. Fellows.  
Copyright (C) 2003, 2012, 2013 Mark Adler For conditions of distribution and use, see copyright notice in blast.h version 1.3, 24 Aug 2013  
Copyright (c) 2017 by Nathan Coulter  
Copyright (c) 1999-2000 Andreas Kupries (a.kupries@westend.com)  
Copyright (c) 1998 Lucent Technologies, Inc.  
Copyright (c) 1996-1998 Sun Microsystems, Inc.  
Copyright (c) 2004 Georgios Petasis  
Copyright (c) Henrik Ravn 2004  
Copyright (c) 1998 by Sun Microsystems, Inc.  
Copyright 1995-1998 by Sun Microsystems, Inc.  
Copyright (c) 2010 by Ozgur Dogan Ugurlu.  
Copyright (C) 1998 - 2010 Gilles Vollant, Even Rouault, Mathias Svensson  
Copyright (c) 1998, 1999 Henry Spencer. All rights reserved.  
Copyright (c) 2004-2006 Miguel Sofer  
Copyright (c) 2000 Ajuba Solutions  
Copyright (c) 1998-1999 Scriptics Corporation.  
Copyright (c) 1999 by Scriptics Corporation.  
Copyright (c) 2009 Donal K. Fellows  
Copyright (c) 2002-2010 by Miguel Sofer.  
Copyright (C) 1995-2006, 2010, 2011, 2016 Jean-loup Gailly For conditions of distribution and use, see copyright notice in zlib.h  
Copyright (C) 2003 Mark Adler For conditions of distribution and use, see copyright notice in zlib.h  
Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler  
Copyright (c) 1993-1997 Lucent Technologies.  
Copyright 1998-2004 Gilles Vollant - http:www.winimage.com  
Copyright (c) 2003-2007 Daniel A. Steffen <das@users.sourceforge.net>  
Copyright (c) 1995 Apple Computer, Inc.  
Copyright (C) 2002-2013 Mark Adler, all rights reserved version 2.3, 21 Jan 2013  
Copyright (c) 1983 Regents of the University of California.  
Copyright (C) 1998-2005 Gilles Vollant  
Copyright (c) 1990-2000 Info-ZIP. All rights reserved.  
Copyright (c) 1995-1996 by Sun Microsystems, Inc.  
Copyright (c) 1995-1998 Sun Microsystems, Inc.  
Copyright (C) 1995-2005, 2010 Mark Adler For conditions of distribution and use, see copyright notice in zlib.h  
Copyright (c) 1994 Sun Microsystems, Inc.  
Copyright (c) 1988-1993 The Regents of the University of California.  
Copyright (c) 1998-2000 Ajuba Solutions  
Copyright (c) 2002 by Kevin B. Kenny. All rights reserved.  
Copyright (c) 2004 by Kevin B. Kenny. All rights reserved.  
Copyright (c) 1995 Sun Microsystems, Inc.  
Copyright (c) 2004 by Henrik Ravn  
Copyright (c) 1993-1996 Lucent Technologies.  
Copyright (c) 2006-2013 by Donal K. Fellows  
Copyright (c) 2006-2010 by Donal K. Fellows  
Copyright (c) 1996 by Sun Microsystems, Inc.  
Copyright (c) 2013 by Donal Fellows.  
Copyright (C) 2004, 2008, 2012 Mark Adler, all rights reserved version 2.2, 14 Aug 2012  
Copyright (c) 2004 Donal K. Fellows  
Copyright (C) 1995-2008 Mark Adler For conditions of distribution and use, see copyright notice in zlib.h  
Copyright (c) 2013-2016 Donal K. Fellows.  
Copyright (c) 1993-1994 The Regents of the University of California.  
Copyright (C) 1995-2003 Mark Adler For conditions of distribution and use, see copyright notice in zlib.h  
Copyright (c) 1994-1998 Sun Microsystems, Inc.  
Copyright (c) 2000 Ajuba Solutions.  
Copyright (c) 2005-2011 by Donal K. Fellows  
Copyright (c) 1991-1993 The Regents of the University of California.  
Copyright (C) 2009-2010 Mathias Svensson ( http:result42.com )  
Copyright (c) 1995-1997 Sun Microsystems, Inc.  
Copyright (c) 2001-2007 Daniel A. Steffen <das@users.sourceforge.net>  
Copyright 1998-2004 Gilles Vollant - http:www.winimage.com/zLibDll;  
Copyright (c) 2005 Donal K. Fellows.  
Copyright (c) 2004 by Kevin B. Kenny. All rights reserved.  
Copyright (c) 1998-2000 by Scriptics Corporation.  
Copyright (c) 1999 by Scriptics Corp.  
Copyright (c) 2001 by ActiveState Corporation.  
Copyright 1995-2017 Mark Adler ;  
Copyright (c) 1997 by Sun Microsystems, Inc.  
Copyright 2001-2009, Apple Inc.  
Copyright (C) 1998-2010 Gilles Vollant (minizip) ( http:www.winimage.com/zLibDll/minizip.html )  
Copyright (c) 2001, 2002 by Kevin B. Kenny. All rights reserved.  
Copyright (c) 2006 Sam Bromley.  
Copyright 1995-2017 Mark Adler ;  
Copyright (c) 2004-2005 ActiveState, a divison of Sophos  
Copyright (c) 1997-1998 Sun Microsystems, Inc.  
Copyright (c) 2005-2013 by Donal K. Fellows  
Copyright (c) 1998 Sun Microsystems, Inc.  
Copyright (C) 1998,1999,2000 by Jacques Nomssi Nzali.  
Copyright (c) 1987-1993 The Regents of the University of California.  
Copyright (c) 2006-2011 by Donal K. Fellows  
Copyright (c) 1998 by Scriptics Corporation.  
Copyright (c) 1998-2000 Ajuba Solutions.  
Copyright (C) 1995-2003, 2010 Mark Adler For conditions of distribution and use, see copyright notice in zlib.h  
Copyright (c) 2005 by Kevin B. Kenny. All rights reserved.  
Copyright (C) 2011, 2016 Mark Adler For conditions of distribution and use, see copyright notice in zlib.h  
Copyright (c) 2005-2009 Daniel A. Steffen <das@users.sourceforge.net>  
Copyright (C) 2004, 2005, 2010, 2011, 2012, 2013, 2016 Mark Adler For conditions of distribution and use, see copyright notice in zlib.h  
Copyright (c) 1991-1994 The Regents of the University of California.  
Copyright (c) 1996-1997 by Sun Microsystems, Inc.  
Copyright (c) 2006 Neil Madden.  
Copyright (c) 1998-2010 - by Gilles Vollant - version 1.1 64 bits from Mathias Svensson  
Copyright (c) 2004 by Zoran Vasiljevic.  
Copyright (c) 2003-2013 Donal K. Fellows.  
Copyright (C) 2003 Chris Anderson <christop@charm.net>  
Copyright (C) 1984, 1989-1990, 2000-2015, 2018 Free Software Foundation, Inc.  
Copyright (c) 1997 Sun Microsystems, Inc.  
Copyright (c) 1994-1997 Sun Microsystems, Inc.  
Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler For conditions of distribution and use, see copyright notice in zlib.h  
Copyright (c) 1998 Henry Spencer. All rights reserved.  
Copyright (C) 1999 WIDE Project. All rights reserved.  
Copyright (C) 1995-2016 Jean-loup Gailly, Mark Adler For conditions of distribution and use, see copyright notice in zlib.h  
Copyright (C) 1995-2017 Jean-Loup Gailly, Mark Adler. OS/400 version by P. Monnerat.   
Copyright (c) 2010 by Kevin B. Kenny.  
Copyright (C) 1999 America Online, Inc.  
Copyright (c) 2008 by George Peter Staplin  
Copyright (C) 2004-2005 Pascal Scheffers <pascal@scheffers.net>  
Copyright (C) 2003, 2012, 2013 Mark Adler version 1.3, 24 Aug 2013  
Copyright (c) 1991 The Regents of the University of California.  
Copyright (C) 2004, 2005, 2012 Mark Adler, all rights reserved version 1.2, 14 Aug 2012  
Copyright (c) 2005-2012 by Donal K. Fellows  
Copyright (c) 2003 by Kevin B. Kenny. All rights reserved.  
Copyright (c) 2000 by Scriptics Corporation  
Copyright (c) 2006 Andreas Kupries <andreaskupries@users.sourceforge.net>  
copyright (C) 2016 Thomas R. Nicely <http:www.trnicely.net>.  
Copyright (C) 2003 by Cosmin Truta.  
Copyright (C) 2000-2003 Damien Miller. All rights reserved.  
Copyright (C) 1995-2003, 2010, 2014, 2016 Jean-loup Gailly, Mark Adler For conditions of distribution and use, see copyright notice in zlib.h  
Copyright (C) 1995-2003 by Jean-loup Gailly.  
Copyright (C) 1995-2017 Mark Adler For conditions of distribution and use, see copyright notice in zlib.h  
Copyright (c) 2002 ActiveState Corporation.  
Copyright (c) 1998 Paul Duffin.

**License:** BSD

BSD Zero Clause License  
Copyright (C) 2006 by Rob Landley <rob@landley.net>  
  
Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted.  
  
THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.