OPEN SOURCE SOFTWARE NOTICE

Contents

1	Intro	oduction	2
2	Pack 2.1 2.2 2.3	kage details Debian GNU/Linux packages	3 10 10
3	3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 3.9 3.10 3.11 3.12 3.13 3.14 3.15 3.16 3.17 3.18 3.19 3.20 3.21 3.22 3.23	Apache-2.0 License Boost Software License 1.0 BSD Zero Clause License BSD-1-clause License BSD-2-clause License BSD-3-clause License BSD-4-clause License BSD-4-clause License BDW-GC License CC0-1.0 License CMU Mach License DEC BIND License EDL-1.0 EPL-1.0 FSFULLR GNU LGPL 2.1 Inner Net License 2.00 ISC License Janik permissive License MOZIlla Public License MOZIlla Public License Original SSLeay License	45 48 49 49 50 51 51 52 54 55 56 60 61 69 77 78 79 85 86 87
		PSF License 2	88

3.26 pycrypto License	88
3.27 ring License	89
3.28 Sun fdlibm License	89
3.29 Unicode License v3	90
3.30 Unlicense	91
3.31 zlib License	91
3.32 LLVM Exception	91

1 Introduction

VirtuoSIS Intercom Server 15.0

Commend International Saalachstraße 51 5020 Salzburg

This document contains information about open source software for this product. The rights granted under open source software licenses are granted by the respective right holders. In the event of conflicts between COMMEND's license conditions and the applicable open source licenses, the open source license conditions take precedence over COMMEND's license conditions with regard to the respective open source software.

You are allowed to modify COMMEND's proprietary programs and to conduct reverse engineering for the purpose of debugging such modifications, to the extent such programs are linked to libraries licensed under the GNU Lesser General Public License. You are not allowed to distribute information resulting from such reverse engineering or to distribute the modified proprietary programs.

The rightholders of the open source software require to refer to the following disclaimer, which shall apply with regard to those rightholders:

Warranty Disclaimer

THE OPEN SOURCE SOFTWARE IN THIS PRODUCT IS DISTRIBUTED ON AN "AS IS" BASIS AND IN THE HOPE THAT IT WILL BE USEFUL, BUT WITHOUT ANY WARRANTY OF ANY KIND, WITHOUT EVEN THE IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SEE THE APPLICABLE LICENSES FOR MORE DETAILS.

2 Package details

The following third-party software is used in the Commend VirtuoSIS intercom server.

2.1 Debian GNU/Linux packages

The following packages are provided by the Debian GNU/Linux distribution, version 12 ("bookworm"). A license notice for each package is available in /usr/share/doc/package/copyright in the VirtuoSIS installation.

2.1.1 GLib

- Debian package libglib2.0-0
- Licensed under the GNU LGPL 2 (or later) and GNU LGPL 2.1 (or later) and FSFULLR and CC0-1.0 License and Janik permissive License.
- Copyright © 2004-2005 Adam Weinberger
- Copyright © 2005-2006 Alexander Larsson
- Copyright © 2022 Alexander Shopov
- Copyright © 2021 Alexandros Theodotou
- Copyright © 2004 Anders Carlsson
- Copyright © 2001-2003 Andrew Lanoix
- Copyright © 2018 Arthur Demchenkov
- Copyright © 2001-2004 Behdad Esfahbod
- Copyright © 2006 Behdad Esfahbod
- Copyright © 2009 Benjamin Otte
- Copyright © 2015 Canonical Limited
- Copyright © 2005-2022 Canonical Ltd
- Copyright © 2009-2022 Christian Hergert
- Copyright © 2010 Christian Kellner
- Copyright © 2010 Christian Persch
- Copyright © 2014-2015 Chun-wei Fan
- Copyright © 2008 Claus Tondering
- Copyright © 2008 Clemens N. Buss
- Copyright © 2008-2014 Codethink Ltd
- Copyright © 2012-2013 Colin Walters
- Copyright © 2017-2018 Collabora Inc
- Copyright © 2008-2022 Collabora Ltd
- Copyright © 1999-2000 Craig Setera
- Copyright © 2000 Eazel, Inc
- Copyright © 2005-2022 Emmanuele Bassi
- Copyright © 2022 Emmanuel Fleury
- Copyright © 2016-2020 Endless Mobile, Inc
- Copyright © 2017-2022 Endless OS Foundation, LLC
- Copyright © 2007 Francois Gouget
- Copyright © 2020-2021 Frederic Martinsons
- Copyright © 1991-2022 Free Software Foundation, Inc
- Copyright © 2015 Garrett Regier
- Copyright © 2001-2022 GLib contributors
- Copyright © 2016 GNOME i18n Project for Vietnamese
- Copyright © 2019 GNOME

- · Copyright © 2011 Google, Inc
- Copyright © 2001-2008 Hans Breuer
- Copyright © 2001 Hidetoshi Tajima
- Copyright © 2021 Iain Lane
- Copyright © 2018-2021 Igalia S.L
- Copyright © 2005-2008 Imendio AB
- Copyright © 2018 Iñigo Martínez
- Copyright © 2010 Intel Corp
- Copyright © 2001 James Henstridge
- Copyright © 2018-2019 James Westman
- Copyright © 2014-2018 Jan-Michael Brummer
- Copyright © 2005-2007 John McCutchan
- Copyright © 1995-1998 Josh MacDonald
- Copyright © 2007 Jürg Billeter
- Copyright © 2010 Karo Mkrtchyan
- Copyright © 2013-2015 Lars Uebernickel
- Copyright © 2006 Lukas Novotny
- Copyright © 2002 Manish Singh
- Copyright © 2005-2007 Marco Barisione
- Copyright © 2022 Marco Trevisan
- Copyright © 2001-2013 Matthias Clasen
- Copyright © 2010 Mikhail Zabaluev
- Copyright © 2004-2005 Miloslav Trmac
- Copyright © 2014 NICE s.r.l
- Copyright © 2003 Noah Levitt
- Copyright © 2008-2011 Nokia Corporation
- Copyright © 2008-2010 Novell, Inc
- Copyright © 2021 Ole André Vadla Ravnås
- Copyright © 2007 Openismus GmbH
- Copyright © 1998-2001 Owen Taylor
- Copyright © 2014-2019 Patrick Griffis
- Copyright © 2007 Patrick Hulin
- Copyright © 2012 Pavel Vasin
- Copyright © 2018 pdknsk
- Copyright © 1995-2011 Peter Mattis
- Copyright © 1995-2011 Peter Mattis, Spencer Kimball, Josh MacDonald, Sebastian Wilhelmi and others
- · Copyright © 2000-2022 Red Hat, Inc
- Copyright © 1999-2003 Red Hat Software
- Copyright © 2001 Ron Steinke
- Copyright © 2020 Ruslan N. Marchenko
- Copyright © 2022 Ryan Hope
- Copyright © 2007-2015 Ryan Lortie
- Copyright © 2009-2010 Sam Thursfield
- Copyright © 2008 Samuel Cormier-lijima
- Copyright © 1999-2000 Scott Wimer

- Copyright © 2007-2020 Sebastian Dröge
- Copyright © 2001-2003 Sebastian Wilhelmi
- Copyright © 1998-2001 Sebastian Wilhelmi; University of Karlsruhe
- Copyright © 2002-2006 Sharif FarsiWeb, Inc
- Copyright © 2012 Simon McVittie
- Copyright © 2011 Sjoerd Simons
- Copyright © 2002-2007 Soeren Sandmann
- Copyright © 1995-1998 Spencer Kimball
- Copyright © 2006 Stefan Westerfeld
- Copyright © 2011-2013 Stef Walter
- Copyright © 2007-2010 Sven Herzberg
- Copyright © 2012 Swecha telugu localisation Team
- Copyright © 2011-2022 systemd contributors
- Copyright © 2002-2022 the author(s) of GLib
- Copyright © 2006 The GNOME Foundation
- Copyright © 2007-2011 The GNOME Project
- Copyright © 2010 Thiago Santos
- Copyright © 1997-2007 Tim Janik
- Copyright © 2018 Tomasz Miąsko
- Copyright © 1999-2000 Tom Tromey
- Copyright © 1998-2004 Tor Lillqvist
- Copyright © 1995-1997 Ulrich Drepper
- Copyright © 2021 Unicode®, Inc
- Copyright © 2011 William Hua
- Copyright © 2018 Will Thompson
- Copyright © 2020 Xavier Claessens
- Copyright © 2021 Xavier Claessens
- Copyright © 2000-2004 Ximian Inc
- Copyright © 2014-2020 Руслан Ижбулатов
- Copyright © Croatiann team
- Copyright © Jesse van den Kieboom
- · Copyright © Matthew Waters
- Copyright © Nelson Benítez León
- Copyright © 2003-2004 Jonathan Blandford

2.1.2 libatomic-ops

- Debian package libatomic-ops-dev
- · Licensed under the MIT License and the BDW-GC License
- Copyright © 2004 Hewlett-Packard Company

2.1.3 libev

- Debian package libev4
- · Licensed under the BSD-2-clause License

• Copyright © 2007-2012 Marc Alexander Lehmann

2.1.4 libgcrypt

- Debian package libgcrypt20
- Licensed under the GNU LGPL 2.1 (or later)
- Copyright © 1989,1991-2018 Free Software Foundation, Inc.
- Copyright © 1994 X Consortium
- Copyright © 1996 L. Peter Deutsch
- · Copyright © 1997 Werner Koch
- Copyright © 1998 The Internet Society
- Copyright © 1996-1999 Peter Gutmann, Paul Kendall, and Chris Wedgwood
- Copyright © 1996-2006 Peter Gutmann, Matt Thomlinson and Blake Coverett
- Copyright © 2003 Nikos Mavroyanopoulos
- Copyright © 2006 CRYPTOGAMS
- Copyright © 2006-2007 NTT (Nippon Telegraph and Telephone Corporation)
- Copyright © 2012-2022 g10 Code GmbH
- Copyright © 2012 Simon Josefsson, Niels Möller
- Copyright © 2012 Intel Corporation
- · Copyright © 2013 Christian Grothoff
- Copyright © 2013-2022 Jussi Kivilinna
- Copyright © 2013-2014 Dmitry Eremin-Solenikov
- Copyright © 2014 Stephan Mueller
- Copyright © 2017 Jia Zhang
- Copyright © 2018 Bundesamt für Sicherheit in der Informationstechnik
- Copyright © 2020 Alibaba Group.
- Copyright © 2020 Tianjia Zhang

2.1.5 libtspi

- Debian package libtspi1
- · Licensed under the BSD-3-clause License
- Copyright: © 2013 TrouSerS Project

2.1.6 libtss2

- Debian packages libtss2-esys-3.0.2-0 and libtss2-rc0
- Licensed under the BSD-2-clause License
- Copyright © 2015 Andreas Fuchs
- Copyright © 2015-2021 Intel Corporation
- Copyright © 2017-2021 Fraunhofer SIT
- Copyright © 2019 Wind River Systems

- Copyright © 2019 Infineon Technologies AG
- Copyright © 2020 Andreas Droescher

2.1.7 libzip

- Debian package libzip4
- · Licensed under the BSD-3-clause License
- Copyright © 1999-2020 Dieter Baron and Thomas Klausner
- Copyright © 1987-2002 The Regents of the University of California

2.1.8 OpenSSL

- Debian package libssl3
- · Licensed under the Apache-2.0 License
- Copyright © 1995-2020, The OpenSSL Project Authors
- Copyright © 1995-1998, Eric A. Young, Tim J. Hudson
- Copyright © 2004-2014 Akamai Technologies.
- Copyright © 2008 Andy Polyakov appro@openssl.org
- Copyright © 2017 BaishanCloud.
- Copyright © 2015 CloudFlare Inc.
- Copyright © 2014-2016 Cryptography Research Inc.
- Copyright © 2012-2014 Daniel J. Bernstein
- Copyright © 2004 EdelKey Project.
- Copyright © 2011 Google Inc.
- Copyright © 2018-2019 IBM Corp.
- Copyright © 2012,2014 Intel Corporation.
- Copyright © 2012-2016 Jean-Philippe Aumasson
- Copyright © 2007 KISA(Korea Information Security Agency).
- Copyright © 2004 Kungliga Tekniska Högskolan
- Copyright © 2017 National Security Research Institute.
- Copyright © 2006 Network Resonance Inc.
- Copyright © 2005,2007-2020 Nokia
- Copyright © 2006 NTT (Nippon Telegraph and Telephone Corporation)
- Copyright © 2002,2017-2020 Oracle and/or its affiliates.
- Copyright © 1995 Patrick Powell
- Copyright © 2019 Red Hat Inc.
- Copyright © 2017 Ribose Inc.
- Copyright © 2004,2018 Richard Levitte richard@levitte.org
- Copyright © 2011 RTFM Inc.
- Copyright © 2012 Samuel Neves sneves@dei.uc.pt
- Copyright © 2015-2020 Siemens AG
- Copyright © 2002 The OpenTSA Project.
- Copyright © 2013-2014 Timo Teräs timo.teras@gmail.com
- Copyright © 2016 Viktor Dukhovni openssl-users@dukhovni.org.
- Copyright © 2016 VMS Software Inc.

2.1.9 The GNU C library

- Debian package libc6
- Copyright © 1991-2022 Free Software Foundation, Inc., licensed under the GNU LGPL 2.1 (or later)
- Copyright © 1991 Regents of the University of California, licensed under the BSD-3-clause License.
- Copyright © 1993 by Digital Equipment Corporation, licensed under the DEC BIND License.
- Copyright © 2010 Oracle America, Inc., licensed under the BSD-3-clause License.
- Copyright © 1991,1990,1989 Carnegie Mellon University, licensed under the CMU Mach License.
- Copyright © Carnegie Mellon University, licensed under the BSD-3-clause License.
- Copyright © 2000 Intel Corporation, licensed under the BSD-3-clause License.
- Copyright © 1996 Craig Metz, licensed under the Inner Net License 2.00.
- Copyright © 1992 Eric Young, licensed under the GNU LGPL 2.1 (or later).
- Copyright © 2002,2003,2004,2011 Simon Josefsson, licensed under the GNU LGPL 2.1 (or later).
- Copyright © 1999,2000 Tom Tromey, licensed under the GNU LGPL 2.1 (or later).
- Copyright © 2000 Red Hat, Inc., licensed under the GNU LGPL 2.1 (or later).
- Copyright © 1998 WIDE Project., licensed under the BSD-3-clause License.
- Copyright © 1993 by Sun Microsystems, Inc., licensed under the Sun fdlibm License.
- Copyright © 2001 by Stephen L. Moshier, licensed under the GNU LGPL 2.1 (or later).
- Copyright © 1996-1999 by Internet Software Consortium
- Copyright © The Internet Society, Tom Tromey and Red Hat, Inc.

2.1.10 yajl

- Debian package libyajl2
- · Licensed under the ISC License
- Copyright © 2007-2014 Lloyd Hilaiel
- Copyright © 2010-2011 Florian Forster
- Copyright © 2011 John Stamp

2.1.11 libnl

- Debian packages libnl-3-200, libnl-route-3-200
- Licensed under the GNU LGPL 2.1 and BSD-3-clause License

- Copyright © Thomas Graf tgraf@suug.ch
- Copyright © Baruch Even baruch@ev-en.org
- Copyright © Petr Gotthard petr.gotthard@siemens.com
- Copyright © Siemens AG Oesterreich
- Copyright © Philip Craig philipc@snapgear.com
- Copyright © Patrick McHardy kaber@trash.net
- Copyright © Secure Computing Corporation
- Copyright © 2012 Texas Instruments Incorporated

2.1.12 libmosquitto

- Debian package libmosquitto1
- Licensed under EDL-1.0 or EPL-1.0
- · Parts licensed under the BSD-1-clause License
- Copyright © 2009-2018 Roger A. Light roger@atchoo.org
- Copyright © 2003-2013 Troy D. Hanson

2.1.13 Python

- Debian package python3
- · Licensed under the PSF License 2
- Copyright © Python Software Foundation

2.1.14 pyyaml

- Debian package python3-yaml
- · Licensed under the MIT License
- Copyright © 2017-2021 Ingy döt Net
- Copyright © 2006-2016 Kirill Simonov

2.1.15 python-gnupg

- Debian package python3-gnupg
- Licensed under the BSD-3-clause License and pycrypto License
- Copyright © 2008-2021 Vinay Sajip
- Copyright © 2005 Steve Traugott
- Copyright © 2003 Richard Jones

2.1.16 pythondialog

- Debian package python3-dialog
- Licensed under the GNU LGPL 2.1
- Copyright © 2002-2019 Florent Rougon
- Copyright © 2004 Peter Astrand
- Copyright © 2000 Robb Shecter, Sultanbek Tezadov

2.1.17 libsodium

- Debian package libsodium23
- Licensed under the ISC License and BSD-2-clause License and CC0-1.0 License
- Copyright © 2013-2017 Frank Denis
- Copyright © 2005-2009 Colin Percival
- Copyright © 2012, 2013 Alexander Peslyak
- Copyright © 2012 Samuel Neves sneves@dei.uc.pt
- Copyright © 2015 Thomas Pornin pornin@bolet.org

2.2 Statically linked

2.2.1 liboutguess

- Licensed under the BSD-4-clause License
- Copyright © 1999-2001 Niels Provos
- Copyright © 1996 David Mazieres
- Derived in parts from StirMark Experimental watermark resilience testkit Copyright © 1997 Markus Kuhn

2.2.2 libre

- · Licensed under the BSD-3-clause License
- Copyright © 2010 2019 Alfred E. Heggestad
- Copyright © 2010 2019 Richard Aas
- Copyright © 2010 2019 Creytiv.com

2.2.3 md5

- · Licensed under Public Domain
- Copyright © 1993 Colin Plumb

2.2.4 util-alphanum.c

· Licensed under the MIT License

2.3 Cargo crates

The following packages are provided through the cargo buildsystem and incorporated into the compiled software. For more information on each crate, see https://crates.io/crates/package.

2.3.1 actix

· Licensed under the Apache-2.0 License or MIT License

• Copyright © Nikolay Kim fafhrd91@gmail.com

2.3.2 actix-macros

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Nikolay Kim fafhrd91@gmail.com
- Copyright © Ibraheem Ahmed ibrah1440@gmail.com
- Copyright © Rob Ede robjtede@icloud.com

2.3.3 actix-rt

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Nikolay Kim fafhrd91@gmail.com
- Copyright © Rob Ede robjtede@icloud.com

2.3.4 actix_derive

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Callym hi@callym.com
- Copyright © Nikolay Kim fafhrd91@gmail.com
- Copyright © Rob Ede robjtede@icloud.com

2.3.5 adler2

- Licensed under the BSD Zero Clause License or Apache-2.0 License or MIT License
- Copyright © Jonas Schievink jonasschievink@gmail.com
- Copyright © oyvindln oyvindln@users.noreply.github.com

2.3.6 aead

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.7 aes

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.8 aes-gcm

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.9 aho-corasick

- Licensed under the MIT License or Unlicense
- Copyright © Andrew Gallant jamslam@gmail.com

2.3.10 anstream

Licensed under the Apache-2.0 License or MIT License

2.3.11 anstyle

Licensed under the Apache-2.0 License or MIT License

2.3.12 anstyle-parse

Licensed under the Apache-2.0 License or MIT License

2.3.13 anstyle-query

• Licensed under the Apache-2.0 License or MIT License

2.3.14 anyhow

- Licensed under the Apache-2.0 License or MIT License
- Copyright © David Tolnay dtolnay@gmail.com

2.3.15 asn1-rs

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Pierre Chifflier chifflier@wzdftpd.net

2.3.16 asn1-rs-derive

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Pierre Chifflier chifflier@wzdftpd.net

2.3.17 asn1-rs-impl

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Pierre Chifflier chifflier@wzdftpd.net

2.3.18 async-recursion

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Robert Usher 266585+dcchut@users.noreply.github.com

2.3.19 async-trait

- Licensed under the Apache-2.0 License or MIT License
- Copyright © David Tolnay dtolnay@gmail.com

2.3.20 atomicwrites

- · Licensed under the MIT License
- Copyright © Markus Unterwaditzer markus-honeypot@unterwaditzer.net

2.3.21 aws-lc-rs

- Licensed under the ISC License **and** (Apache-2.0 License **or** ISC License)
- · Copyright © AWS-LibCrypto

2.3.22 aws-lc-sys

- Licensed under the ISC License and (Apache-2.0 License or ISC License) and OpenSSL License
- Copyright © AWS-LC

2.3.23 base16

- Licensed under the CC0-1.0 License
- Copyright © Thom Chiovoloni tchiovoloni@mozilla.com

2.3.24 base16ct

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.25 base64

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Marshall Pierce marshall@mpierce.org

2.3.26 base64ct

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.27 bcrypt-pbkdf

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.28 bit-vec

- · Licensed under the Apache-2.0 License or MIT License
- Copyright © Alexis Beingessner a.beingessner@gmail.com

2.3.29 bitflags

- Licensed under the Apache-2.0 License or MIT License
- Copyright © The Rust Project Developers

2.3.30 block-buffer

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.31 block-padding

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.32 blowfish

- · Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.33 bon

· Licensed under the Apache-2.0 License or MIT License

2.3.34 bon-macros

Licensed under the Apache-2.0 License or MIT License

2.3.35 byteorder

- Licensed under the MIT License or Unlicense
- Copyright © Andrew Gallant jamslam@gmail.com

2.3.36 bytes

- · Licensed under the MIT License
- Copyright © Carl Lerche me@carllerche.com
- $\bullet \ \ Copyright @ Sean McArthur sean@seanmonstar.com\\$

2.3.37 cbc

- · Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.38 cfg-if

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Alex Crichton alex@alexcrichton.com

2.3.39 chacha20

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.40 chrono

• Licensed under the Apache-2.0 License or MIT License

2.3.41 cipher

- · Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.42 clap

· Licensed under the Apache-2.0 License or MIT License

2.3.43 clap_builder

· Licensed under the Apache-2.0 License or MIT License

2.3.44 clap_derive

Licensed under the Apache-2.0 License or MIT License

2.3.45 clap_lex

• Licensed under the Apache-2.0 License or MIT License

2.3.46 colorchoice

• Licensed under the Apache-2.0 License or MIT License

2.3.47 const-oid

- · Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.48 const-random

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Tom Kaitchuck Tom.Kaitchuck@gmail.com

2.3.49 const-random-macro

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Tom Kaitchuck Tom.Kaitchuck@gmail.com

2.3.50 cpufeatures

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.51 crc32fast

- · Licensed under the Apache-2.0 License or MIT License
- Copyright © Sam Rijs srijs@airpost.net
- Copyright © Alex Crichton alex@alexcrichton.com

2.3.52 crossbeam-channel

· Licensed under the Apache-2.0 License or MIT License

2.3.53 crossbeam-utils

· Licensed under the Apache-2.0 License or MIT License

2.3.54 crunchy

- · Licensed under the MIT License
- Copyright © Eira Fransham jackefransham@gmail.com

2.3.55 crypto-bigint

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.56 crypto-common

- · Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.57 ctr

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.58 curve25519-dalek

- Licensed under the BSD-3-clause License
- Copyright © Isis Lovecruft isis@patternsinthevoid.net
- Copyright © Henry de Valence hdevalence@hdevalence.ca

2.3.59 darling

- · Licensed under the MIT License
- Copyright © Ted Driggs ted.driggs@outlook.com

2.3.60 darling_core

- · Licensed under the MIT License
- Copyright © Ted Driggs ted.driggs@outlook.com

2.3.61 darling_macro

- · Licensed under the MIT License
- Copyright © Ted Driggs ted.driggs@outlook.com

2.3.62 data-encoding

- · Licensed under the MIT License
- Copyright © Julien Cretin git@ia0.eu

2.3.63 der

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.64 der-parser

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Pierre Chifflier chifflier@wzdftpd.net

2.3.65 deranged

- · Licensed under the Apache-2.0 License or MIT License
- Copyright © Jacob Pratt jacob@jhpratt.dev

2.3.66 digest

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.67 dirs

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Simon Ochsenreither simon@ochsenreither.de

2.3.68 dirs-sys

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Simon Ochsenreither simon@ochsenreither.de

2.3.69 displaydoc

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Jane Lusby ilusby@yaah.dev

2.3.70 dlv-list

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Scott Godwin sgodwincs@gmail.com

2.3.71 ecdsa

- Licensed under the Apache-2.0 License or MIT License
- · Copyright © RustCrypto Developers

2.3.72 ed25519

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.73 ed25519-dalek

- · Licensed under the BSD-3-clause License
- Copyright © isis lovecruft isis@patternsinthevoid.net
- Copyright © Tony Arcieri bascule@gmail.com
- Copyright © Michael Rosenberg michael@mrosenberg.pub

2.3.74 either

- Licensed under the Apache-2.0 License or MIT License
- Copyright © bluss

2.3.75 elliptic-curve

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.76 env_filter

Licensed under the Apache-2.0 License or MIT License

2.3.77 env_logger

Licensed under the Apache-2.0 License or MIT License

2.3.78 equivalent

• Licensed under the Apache-2.0 License or MIT License

2.3.79 errno

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Chris Wong lambda.fairy@gmail.com

2.3.80 fastrand

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Stjepan Glavina stjepang@gmail.com

2.3.81 ff

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Sean Bowe ewillbefull@gmail.com
- Copyright © Jack Grigg thestr4d@gmail.com

2.3.82 filedesc

- Licensed under the BSD-2-clause License
- Copyright © Maarten de Vries maarten@de-vri.es

2.3.83 flate2

- · Licensed under the Apache-2.0 License or MIT License
- Copyright © Alex Crichton alex@alexcrichton.com
- Copyright © Josh Triplett josh@joshtriplett.org

2.3.84 fnv

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Alex Crichton alex@alexcrichton.com

2.3.85 foreign-types

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Steven Fackler sfackler@gmail.com

2.3.86 foreign-types-shared

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Steven Fackler sfackler@gmail.com

2.3.87 form_urlencoded

- Licensed under the Apache-2.0 License or MIT License
- Copyright © The rust-url developers

2.3.88 futures

· Licensed under the Apache-2.0 License or MIT License

2.3.89 futures-channel

· Licensed under the Apache-2.0 License or MIT License

2.3.90 futures-core

• Licensed under the Apache-2.0 License or MIT License

2.3.91 futures-executor

Licensed under the Apache-2.0 License or MIT License

2.3.92 futures-io

• Licensed under the Apache-2.0 License or MIT License

2.3.93 futures-macro

• Licensed under the Apache-2.0 License or MIT License

2.3.94 futures-sink

• Licensed under the Apache-2.0 License or MIT License

2.3.95 futures-task

• Licensed under the Apache-2.0 License or MIT License

2.3.96 futures-util

• Licensed under the Apache-2.0 License or MIT License

2.3.97 generic-array

- · Licensed under the MIT License
- · Copyright © Bartłomiej Kamiński fizyk20@gmail.com
- Copyright © Aaron Trent novacrazy@gmail.com

2.3.98 getrandom

- Licensed under the Apache-2.0 License or MIT License
- Copyright © The Rand Project Developers

2.3.99 ghash

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.100 glib

- Licensed under the MIT License
- Copyright © The gtk-rs Project Developers

2.3.101 glib-macros

- Licensed under the MIT License
- Copyright © The gtk-rs Project Developers

2.3.102 glib-sys

- Licensed under the MIT License
- Copyright © The gtk-rs Project Developers

2.3.103 gobject-sys

- · Licensed under the MIT License
- Copyright © The gtk-rs Project Developers

2.3.104 group

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Sean Bowe ewillbefull@gmail.com
- Copyright © Jack Grigg jack@z.cash

2.3.105 hashbrown

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Amanieu d'Antras amanieu@gmail.com

2.3.106 heck

• Licensed under the Apache-2.0 License or MIT License

2.3.107 hex

- Licensed under the Apache-2.0 License or MIT License
- Copyright © KokaKiwi kokakiwi@kokakiwi.net

2.3.108 hex-literal

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.109 hkdf

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.110 hmac

- Licensed under the Apache-2.0 License or MIT License
- · Copyright © RustCrypto Developers

2.3.111 hostname

- Licensed under the MIT License
- Copyright © fengcen fengcen.love@gmail.com
- Copyright © svartalf self@svartalf.info

2.3.112 http

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Alex Crichton alex@alexcrichton.com
- Copyright © Carl Lerche me@carllerche.com
- Copyright © Sean McArthur sean@seanmonstar.com

2.3.113 http-body

- · Licensed under the MIT License
- Copyright © Carl Lerche me@carllerche.com
- Copyright © Lucio Franco luciofranco14@gmail.com
- Copyright © Sean McArthur sean@seanmonstar.com

2.3.114 http-body-util

- · Licensed under the MIT License
- Copyright © Carl Lerche me@carllerche.com
- Copyright © Lucio Franco luciofranco14@gmail.com
- Copyright © Sean McArthur sean@seanmonstar.com

2.3.115 httparse

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Sean McArthur sean@seanmonstar.com

2.3.116 httpdate

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Pyfisch pyfisch@posteo.org

2.3.117 humantime

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Paul Colomiets paul@colomiets.name

2.3.118 hyper

- Licensed under the MIT License
- Copyright © Sean McArthur sean@seanmonstar.com

2.3.119 hyper-rustls

• Licensed under the Apache-2.0 License or ISC License or MIT License

2.3.120 hyper-util

- · Licensed under the MIT License
- Copyright © Sean McArthur sean@seanmonstar.com

2.3.121 iana-time-zone

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Andrew Straw strawman@astraw.com
- Copyright © René Kijewski rene.kijewski@fu-berlin.de
- Copyright © Ryan Lopopolo rjl@hyperbo.la

2.3.122 icu_collections

- Licensed under the Unicode License v3
- Copyright © The ICU4X Project Developers

2.3.123 icu_locid

- Licensed under the Unicode License v3
- Copyright © The ICU4X Project Developers

2.3.124 icu_locid_transform

- · Licensed under the Unicode License v3
- Copyright © The ICU4X Project Developers

2.3.125 icu_locid_transform_data

- Licensed under the Unicode License v3
- Copyright © The ICU4X Project Developers

2.3.126 icu_normalizer

- Licensed under the Unicode License v3
- Copyright © The ICU4X Project Developers

2.3.127 icu_normalizer_data

- Licensed under the Unicode License v3
- Copyright © The ICU4X Project Developers

2.3.128 icu_properties

- Licensed under the Unicode License v3
- Copyright © The ICU4X Project Developers

2.3.129 icu_properties_data

- Licensed under the Unicode License v3
- Copyright © The ICU4X Project Developers

2.3.130 icu_provider

- Licensed under the Unicode License v3
- Copyright © The ICU4X Project Developers

2.3.131 icu_provider_macros

- Licensed under the Unicode License v3
- Copyright © The ICU4X Project Developers

2.3.132 ident_case

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Ted Driggs ted.driggs@outlook.com

2.3.133 idna

- · Licensed under the Apache-2.0 License or MIT License
- Copyright © The rust-url developers

2.3.134 idna_adapter

- · Licensed under the Apache-2.0 License or MIT License
- · Copyright © The rust-url developers

2.3.135 indexmap

· Licensed under the Apache-2.0 License or MIT License

2.3.136 inout

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.137 ipnet

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Kris Price kris@krisprice.nz

2.3.138 is_terminal_polyfill

• Licensed under the Apache-2.0 License or MIT License

2.3.139 itertools

- Licensed under the Apache-2.0 License or MIT License
- · Copyright © bluss

2.3.140 itoa

- Licensed under the Apache-2.0 License or MIT License
- Copyright © David Tolnay dtolnay@gmail.com

2.3.141 json-patch

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Ivan Dubrov dubrov.ivan@gmail.com

2.3.142 jsonptr

- · Licensed under the Apache-2.0 License or MIT License
- Copyright © chance dinkins
- Copyright © André Sá de Mello codasm@pm.me

2.3.143 lazy_static

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Marvin Löbel loebel.marvin@gmail.com

2.3.144 libc

- Licensed under the Apache-2.0 License or MIT License
- · Copyright © The Rust Project Developers

2.3.145 linux-raw-sys

- Licensed under the Apache-2.0 License **or** Apache-2.0 License with LLVM Exception **or** MIT License
- Copyright © Dan Gohman dev@sunfishcode.online

2.3.146 litemap

- Licensed under the Unicode License v3
- Copyright © The ICU4X Project Developers

2.3.147 lock_api

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Amanieu d'Antras amanieu@gmail.com

2.3.148 log

- Licensed under the Apache-2.0 License or MIT License
- Copyright © The Rust Project Developers

2.3.149 md5

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Ivan Ukhov ivan.ukhov@gmail.com
- Copyright © Kamal Ahmad shibe@openmailbox.org
- Copyright © Konstantin Stepanov milezv@gmail.com
- Copyright © Lukas Kalbertodt lukas.kalbertodt@gmail.com
- Copyright © Nathan Musoke nathan.musoke@gmail.com
- Copyright © Scott Mabin scott@mabez.dev
- Copyright © Tony Arcieri bascule@gmail.com
- Copyright © Wim de With register@dewith.io
- Copyright © Yosef Dinerstein yosefdi@gmail.com

2.3.150 memchr

- Licensed under the MIT License or Unlicense
- Copyright © Andrew Gallant jamslam@gmail.com
- · Copyright © bluss

2.3.151 memoffset

- Licensed under the MIT License
- Copyright © Gilad Naaman gilad.naaman@gmail.com

2.3.152 mime

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Sean McArthur sean@seanmonstar.com

2.3.153 minimal-lexical

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Alex Huszagh ahuszagh@gmail.com

2.3.154 miniz_oxide

- Licensed under the Apache-2.0 License or MIT License or zlib License
- Copyright © Frommi daniil.liferenko@gmail.com
- Copyright © oyvindln oyvindln@users.noreply.github.com
- Copyright © Rich Geldreich richgel99@gmail.com

2.3.155 mio

- · Licensed under the MIT License
- Copyright © Carl Lerche me@carllerche.com
- Copyright © Thomas de Zeeuw thomasdezeeuw@gmail.com
- Copyright © Tokio Contributors team@tokio.rs

2.3.156 nix

- · Licensed under the MIT License
- Copyright © The nix-rust Project Developers

2.3.157 nom

- Licensed under the MIT License
- Copyright © contact@geoffroycouprie.com

2.3.158 num-bigint

- Licensed under the Apache-2.0 License or MIT License
- Copyright © The Rust Project Developers

2.3.159 num-conv

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Jacob Pratt jacob@jhpratt.dev

2.3.160 num-integer

- · Licensed under the Apache-2.0 License or MIT License
- Copyright © The Rust Project Developers

2.3.161 num-traits

- Licensed under the Apache-2.0 License or MIT License
- Copyright © The Rust Project Developers

2.3.162 num_threads

- · Licensed under the Apache-2.0 License or MIT License
- Copyright © Jacob Pratt open-source@jhpratt.dev

2.3.163 obfstr

- Licensed under the MIT License
- Copyright © Casper CasualX@users.noreply.github.com

2.3.164 oid-registry

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Pierre Chifflier chifflier@wzdftpd.net

2.3.165 once_cell

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Aleksey Kladov aleksey.kladov@gmail.com

2.3.166 opaque-debug

- · Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.167 openssl

- Licensed under the Apache-2.0 License
- Copyright © Steven Fackler sfackler@gmail.com

2.3.168 openssl-macros

• Licensed under the Apache-2.0 License or MIT License

2.3.169 openssl-probe

- · Licensed under the Apache-2.0 License or MIT License
- Copyright © Alex Crichton alex@alexcrichton.com

2.3.170 openssl-sys

- · Licensed under the MIT License
- Copyright © Alex Crichton alex@alexcrichton.com
- Copyright © Steven Fackler sfackler@gmail.com

2.3.171 option-ext

- Licensed under the Mozilla Public License 2.0
- Copyright © Simon Ochsenreither simon@ochsenreither.de

2.3.172 ordered-multimap

- · Licensed under the MIT License
- Copyright © Scott Godwin sgodwincs@gmail.com

2.3.173 p256

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.174 p521

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.175 parking_lot

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Amanieu d'Antras amanieu@gmail.com

2.3.176 parking_lot_core

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Amanieu d'Antras amanieu@gmail.com

2.3.177 password-hash

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.178 paste

- Licensed under the Apache-2.0 License or MIT License
- Copyright © David Tolnay dtolnay@gmail.com

2.3.179 pbkdf2

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.180 pem-rfc7468

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.181 percent-encoding

- Licensed under the Apache-2.0 License or MIT License
- Copyright © The rust-url developers

2.3.182 pin-project-lite

• Licensed under the Apache-2.0 License or MIT License

2.3.183 pin-utils

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Josef Brandl mail@josefbrandl.de

2.3.184 pkcs8

- · Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.185 poly1305

- · Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.186 polyval

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.187 powerfmt

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Jacob Pratt jacob@jhpratt.dev

2.3.188 ppv-lite86

- Licensed under the Apache-2.0 License or MIT License
- Copyright © The CryptoCorrosion Contributors

2.3.189 primeorder

- · Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.190 proc-macro-crate

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Bastian Köcher git@kchr.de

2.3.191 proc-macro2

- Licensed under the Apache-2.0 License or MIT License
- Copyright © David Tolnay dtolnay@gmail.com
- Copyright © Alex Crichton alex@alexcrichton.com

2.3.192 quinn

Licensed under the Apache-2.0 License or MIT License

2.3.193 quinn-proto

· Licensed under the Apache-2.0 License or MIT License

2.3.194 quinn-udp

• Licensed under the Apache-2.0 License or MIT License

2.3.195 quote

- Licensed under the Apache-2.0 License or MIT License
- Copyright © David Tolnay dtolnay@gmail.com

2.3.196 rand

- Licensed under the Apache-2.0 License or MIT License
- Copyright © The Rand Project Developers
- Copyright © The Rust Project Developers

2.3.197 rand chacha

- Licensed under the Apache-2.0 License or MIT License
- Copyright © The Rand Project Developers
- Copyright © The Rust Project Developers
- Copyright © The CryptoCorrosion Contributors

2.3.198 rand_core

- · Licensed under the Apache-2.0 License or MIT License
- Copyright © The Rand Project Developers
- Copyright © The Rust Project Developers

2.3.199 regex

- Licensed under the Apache-2.0 License or MIT License
- Copyright © The Rust Project Developers
- Copyright © Andrew Gallant jamslam@gmail.com

2.3.200 regex-automata

- Licensed under the Apache-2.0 License or MIT License
- · Copyright © The Rust Project Developers
- Copyright © Andrew Gallant jamslam@gmail.com

2.3.201 regex-syntax

- Licensed under the Apache-2.0 License or MIT License
- Copyright © The Rust Project Developers
- Copyright © Andrew Gallant jamslam@gmail.com

2.3.202 reqwest

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Sean McArthur sean@seanmonstar.com

2.3.203 rfc6979

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.204 ring

- · Licensed under the ring License
- Copyright © Brian Smith brian@briansmith.org

2.3.205 rmp

- Licensed under the MIT License
- Copyright © Evgeny Safronov division494@gmail.com

2.3.206 rmp-serde

- · Licensed under the MIT License
- Copyright © Evgeny Safronov division494@gmail.com

2.3.207 rpassword

- Licensed under the Apache-2.0 License
- Copyright © Conrad Kleinespel conradk@conradk.com

2.3.208 rtoolbox

- Licensed under the Apache-2.0 License
- Copyright © Conrad Kleinespel conradk@conradk.com

2.3.209 russh

- Licensed under the Apache-2.0 License
- Copyright © Pierre-Étienne Meunier pe@pijul.org

2.3.210 russh-cryptovec

- Licensed under the Apache-2.0 License
- Copyright © Pierre-Étienne Meunier pe@pijul.org
- Copyright © Eugeny <e@ajenti.org

2.3.211 russh-keys

- Licensed under the Apache-2.0 License
- Copyright © Pierre-Étienne Meunier pe@pijul.org

2.3.212 rust-ini

- · Licensed under the MIT License
- Copyright © Y. T. Chung zonyitoo@gmail.com

2.3.213 rustc-hash

- Licensed under the Apache-2.0 License or MIT License
- · Copyright © The Rust Project Developers

2.3.214 rusticata-macros

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Pierre Chifflier chifflier@wzdftpd.net

2.3.215 rustix

- Licensed under the Apache-2.0 License or Apache-2.0 License with LLVM Exception or MIT License
- Copyright © Dan Gohman dev@sunfishcode.online
- Copyright © Jakub Konka kubkon@jakubkonka.com

2.3.216 rustls

Licensed under the Apache-2.0 License or ISC License or MIT License

2.3.217 rustls-native-certs

• Licensed under the Apache-2.0 License or ISC License or MIT License

2.3.218 rustls-pemfile

• Licensed under the Apache-2.0 License or ISC License or MIT License

2.3.219 rustls-pki-types

· Licensed under the Apache-2.0 License or MIT License

2.3.220 rustls-webpki

· Licensed under the ISC License

2.3.221 rustversion

- Licensed under the Apache-2.0 License or MIT License
- Copyright © David Tolnay dtolnay@gmail.com

2.3.222 ryu

- Licensed under the Apache-2.0 License or Boost Software License 1.0
- · Copyright © David Tolnay dtolnay@gmail.com

2.3.223 scopeguard

- Licensed under the Apache-2.0 License or MIT License
- Copyright © bluss

2.3.224 sec1

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.225 serde

- · Licensed under the Apache-2.0 License or MIT License
- Copyright © Erick Tryzelaar erick.tryzelaar@gmail.com
- Copyright © David Tolnay dtolnay@gmail.com

2.3.226 serde derive

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Erick Tryzelaar erick.tryzelaar@gmail.com
- · Copyright © David Tolnay dtolnay@gmail.com

2.3.227 serde_json

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Erick Tryzelaar erick.tryzelaar@gmail.com
- Copyright © David Tolnay dtolnay@gmail.com

2.3.228 serde_spanned

Licensed under the Apache-2.0 License or MIT License

2.3.229 serde_urlencoded

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Anthony Ramine n.oxyde@gmail.com

2.3.230 serde_with

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Jonas Bushart
- Copyright © Marcin Kaźmierczak

2.3.231 serde_with_macros

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Jonas Bushart

2.3.232 sha-1

- · Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.233 sha1

- · Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.234 sha2

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.235 signal-hook-registry

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Michal 'vorner' Vaner vorner@vorner.cz
- Copyright © Masaki Hara ackie.h.gmai@gmail.com

2.3.236 signature

- · Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.237 slab

- Licensed under the MIT License
- Copyright © Carl Lerche me@carllerche.com

2.3.238 smallvec

- Licensed under the Apache-2.0 License or MIT License
- Copyright © The Servo Project Developers

2.3.239 socket2

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Alex Crichton alex@alexcrichton.com
- Copyright © Thomas de Zeeuw thomasdezeeuw@gmail.com

2.3.240 spki

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.241 stable_deref_trait

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Robert Grosse n210241048576@gmail.com

2.3.242 strsim

- · Licensed under the MIT License
- Copyright © Danny Guo danny@dannyguo.com
- Copyright © maxbachmann oss@maxbachmann.de

2.3.243 strum

- · Licensed under the MIT License
- Copyright © Peter Glotfelty peter.glotfelty@microsoft.com

2.3.244 strum_macros

- Licensed under the MIT License
- Copyright © Peter Glotfelty peter.glotfelty@microsoft.com

2.3.245 subtle

- Licensed under the BSD-3-clause License
- Copyright © Isis Lovecruft isis@patternsinthevoid.net
- Copyright © Henry de Valence hdevalence@hdevalence.ca

2.3.246 syn

- Licensed under the Apache-2.0 License or MIT License
- · Copyright © David Tolnay dtolnay@gmail.com

2.3.247 sync_wrapper

- Licensed under the Apache-2.0 License
- Copyright © Actyx AG developer@actyx.io

2.3.248 synstructure

- · Licensed under the MIT License
- Copyright © Nika Layzell nika@thelayzells.com

2.3.249 syslog

- · Licensed under the MIT License
- Copyright © contact@geoffroycouprie.com

2.3.250 systemctl

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Guillaume W. Bres guillaume.bressaix@gmail.com

2.3.251 tempfile

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Steven Allen steven@stebalien.com
- . Copyright © The Rust Project Developers
- Copyright © Ashley Mannix ashleymannix@live.com.au
- Copyright © Jason White me@jasonwhite.io

2.3.252 thiserror

- · Licensed under the Apache-2.0 License or MIT License
- · Copyright © David Tolnay dtolnay@gmail.com

2.3.253 thiserror-impl

- · Licensed under the Apache-2.0 License or MIT License
- Copyright © David Tolnay dtolnay@gmail.com

2.3.254 time

- Licensed under the Apache-2.0 License or MIT License
- · Copyright © Jacob Pratt open-source@jhpratt.dev
- Copyright © Time contributors

2.3.255 time-core

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Jacob Pratt open-source@jhpratt.dev
- Copyright © Time contributors

2.3.256 time-macros

- Licensed under the Apache-2.0 License or MIT License
- · Copyright © Jacob Pratt open-source@jhpratt.dev
- Copyright © Time contributors

2.3.257 tiny-keccak

- Licensed under the CC0-1.0 License
- Copyright © debris marek.kotewicz@gmail.com

2.3.258 tinystr

- · Licensed under the Unicode License v3
- Copyright © The ICU4X Project Developers

2.3.259 tinyvec

- Licensed under the Apache-2.0 License or MIT License or zlib License
- Copyright © Lokathor zefria@gmail.com

2.3.260 tinyvec_macros

- Licensed under the Apache-2.0 License or MIT License or zlib License
- Copyright © Soveu marx.tomasz@gmail.com

2.3.261 tokio

- Licensed under the MIT License
- Copyright © Tokio Contributors team@tokio.rs

2.3.262 tokio-macros

- · Licensed under the MIT License
- Copyright © Tokio Contributors team@tokio.rs

2.3.263 tokio-pipe

- · Licensed under the Apache-2.0 License or MIT License
- Copyright © yskszk63 yskszk63@gmail.com

2.3.264 tokio-rustls

• Licensed under the Apache-2.0 License or MIT License

2.3.265 tokio-segpacket

- Licensed under the BSD-2-clause License
- Copyright © Maarten de Vries maarten@de-vri.es
- Copyright © Fizyr B.V. info@fizyr.com

2.3.266 tokio-stream

- · Licensed under the MIT License
- Copyright © Tokio Contributors team@tokio.rs

2.3.267 tokio-tungstenite

- Licensed under the MIT License
- Copyright © Daniel Abramov dabramov@snapview.de
- Copyright © Alexey Galakhov agalakhov@snapview.de

2.3.268 tokio-util

- Licensed under the MIT License
- Copyright © Tokio Contributors team@tokio.rs

2.3.269 toml_datetime

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Alex Crichton alex@alexcrichton.com

2.3.270 toml_edit

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Andronik Ordian write@reusable.software
- Copyright © Ed Page eopage@gmail.com

2.3.271 tower

- Licensed under the MIT License
- Copyright © Tower Maintainers team@tower-rs.com

2.3.272 tower-layer

- Licensed under the MIT License
- Copyright © Tower Maintainers team@tower-rs.com

2.3.273 tower-service

- · Licensed under the MIT License
- Copyright © Tower Maintainers team@tower-rs.com

2.3.274 tracing

- Licensed under the MIT License
- Copyright © Eliza Weisman eliza@buoyant.io
- Copyright © Tokio Contributors team@tokio.rs

2.3.275 tracing-core

- · Licensed under the MIT License
- Copyright © Tokio Contributors team@tokio.rs

2.3.276 trim-in-place

- Licensed under the MIT License
- Copyright © Magic Len len@magiclen.org

2.3.277 try-lock

- · Licensed under the MIT License
- Copyright © Sean McArthur sean@seanmonstar.com

2.3.278 tungstenite

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Alexey Galakhov
- Copyright © Daniel Abramov

2.3.279 typenum

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Paho Lurie-Gregg paho@paholg.com
- Copyright © Andre Bogus bogusandre@gmail.com

2.3.280 unicode-ident

- Licensed under the (MIT License or Apache-2.0 License) and Unicode License v3
- Copyright © David Tolnay dtolnay@gmail.com

2.3.281 universal-hash

- Licensed under the Apache-2.0 License or MIT License
- Copyright © RustCrypto Developers

2.3.282 untrusted

- · Licensed under the ISC License
- Copyright © Brian Smith brian@briansmith.org

2.3.283 url

- Licensed under the Apache-2.0 License or MIT License
- Copyright © The rust-url developers

2.3.284 utf-8

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Simon Sapin simon.sapin@exyr.org

2.3.285 utf16_iter

- · Licensed under the Apache-2.0 License or MIT License
- Copyright © Henri Sivonen hsivonen@hsivonen.fi

2.3.286 utf8_iter

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Henri Sivonen hsivonen@hsivonen.fi

2.3.287 utf8parse

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Joe Wilm joe@jwilm.com
- Copyright © Christian Duerr contact@christianduerr.com

2.3.288 uuid

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Ashley Mannix ashleymannix@live.com.au
- Copyright © Dylan DPC dylan.dpc@gmail.com
- Copyright © Hunar Roop Kahlon hunar.roop@gmail.com

2.3.289 want

- Licensed under the MIT License
- Copyright © Sean McArthur sean@seanmonstar.com

2.3.290 winnow

· Licensed under the MIT License

2.3.291 write16

Licensed under the Apache-2.0 License or MIT License

2.3.292 writeable

- Licensed under the Unicode License v3
- · Copyright © The ICU4X Project Developers

2.3.293 x509-parser

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Pierre Chifflier chifflier@wzdftpd.net

2.3.294 yasna

- Licensed under the Apache-2.0 License or MIT License
- Copyright © Masaki Hara ackie.h.gmai@gmail.com

2.3.295 yoke

- Licensed under the Unicode License v3
- Copyright © Manish Goregaokar manishsmail@gmail.com

2.3.296 yoke-derive

- Licensed under the Unicode License v3
- Copyright © Manish Goregaokar manishsmail@gmail.com

2.3.297 zerocopy

- Licensed under the Apache-2.0 License or BSD-2-clause License or MIT License
- Copyright © Joshua Liebow-Feeser joshlf@google.com

2.3.298 zerocopy-derive

- Licensed under the Apache-2.0 License or BSD-2-clause License or MIT License
- Copyright © Joshua Liebow-Feeser joshlf@google.com

2.3.299 zerofrom

- Licensed under the Unicode License v3
- Copyright © Manish Goregaokar manishsmail@gmail.com

2.3.300 zerofrom-derive

- Licensed under the Unicode License v3
- Copyright © Manish Goregaokar manishsmail@gmail.com

2.3.301 zeroize

- Licensed under the Apache-2.0 License or MIT License
- Copyright © The RustCrypto Project Developers

2.3.302 zerovec

- · Licensed under the Unicode License v3
- Copyright © The ICU4X Project Developers

2.3.303 zerovec-derive

- Licensed under the Unicode License v3
- Copyright © Manish Goregaokar manishsmail@gmail.com

3 License terms & conditions

3.1 Apache-2.0 License

Apache License Version 2.0, January 2004 http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License.

Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License.

Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution.

You may reproduce and distribute copies of the Work or Derivative Works

thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

You must give any other recipients of the Work or Derivative Works a copy of this License; and You must cause any modified files to carry prominent notices stating that You changed the files; and You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions.

Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks.

This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty.

Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE,

NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICU-LAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability.

In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability.

While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

3.2 Boost Software License 1.0

Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following:

The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE

WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

3.3 BSD Zero Clause License

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.

3.4 BSD-1-clause License

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

• Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

3.5 BSD-2-clause License

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

3.6 BSD-3-clause License

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- 3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIM

ITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

3.7 BSD-4-clause License

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- All advertising materials mentioning features or use of this software must display the following acknowledgement: This product includes software developed by Niels Provos.
- 4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

3.8 BDW-GC License

THIS MATERIAL IS PROVIDED AS IS, WITH ABSOLUTELY NO WARRANTY EXPRESSED OR IMPLIED. ANY USE IS AT YOUR OWN RISK.

Permission is hereby granted to use or copy this program for any purpose, provided the above notices are retained on all copies. Permission to modify the code and to distribute modified code is granted, provided the above notices are retained, and a notice that the code was modified is included with the above copyright notice.

3.9 CC0-1.0 License

Creative Commons Zero v1.0 Universal

CREATIVE COMMONS CORPORATION IS NOT A LAW FIRM AND DOES NOT PROVIDE LEGAL SERVICES. DISTRIBUTION OF THIS DOCUMENT DOES NOT CREATE AN ATTORNEY-CLIENT RELATIONSHIP. CREATIVE COMMONS PROVIDES THIS INFORMATION ON AN "AS-IS" BASIS. CREATIVE COMMONS MAKES NO WARRANTIES REGARDING THE USE OF THIS DOCUMENT OR THE INFORMATION OR WORKS PROVIDED HERE-UNDER, AND DISCLAIMS LIABILITY FOR DAMAGES RESULTING FROM THE USE OF THIS DOCUMENT OR THE INFORMATION OR WORKS PROVIDED HEREUNDER.

Statement of Purpose

The laws of most jurisdictions throughout the world automatically confer exclusive Copyright and Related Rights (defined below) upon the creator and subsequent owner(s) (each and all, an "owner") of an original work of authorship and/or a database (each, a "Work").

Certain owners wish to permanently relinquish those rights to a Work for the purpose of contributing to a commons of creative, cultural and scientific works ("Commons") that the public can reliably and without fear of later claims of infringement build upon, modify, incorporate in other works, reuse and redistribute as freely as possible in any form whatsoever and for any purposes, including without limitation commercial purposes. These owners may contribute to the Commons to promote the ideal of a free culture and the further production of creative, cultural and scientific works, or to gain reputation or greater distribution for their Work in part through the use and efforts of others.

For these and/or other purposes and motivations, and without any expectation of additional consideration or compensation, the person associating CC0 with a Work (the "Affirmer"), to the extent that he or she is an owner of Copyright and Related Rights in the Work, voluntarily elects to apply CC0 to the Work and publicly distribute the Work under its terms, with knowledge of his or her Copyright and Related Rights in the Work and the meaning and intended legal effect of CC0 on those rights.

- Copyright and Related Rights. A Work made available under CC0 may be protected by copyright and related or neighboring rights ("Copyright and Related Rights"). Copyright and Related Rights include, but are not limited to, the following:
 - i. the right to reproduce, adapt, distribute, perform, display, communicate, and translate a Work;

- ii. moral rights retained by the original author(s) and/or performer(s);
- iii. publicity and privacy rights pertaining to a person's image or likeness depicted in a Work:
- iv. rights protecting against unfair competition in regards to a Work, subject to the limitations in paragraph 4(a), below;
- v. rights protecting the extraction, dissemination, use and reuse of data in a Work;
- vi. database rights (such as those arising under Directive 96/9/EC of the European Parliament and of the Council of 11 March 1996 on the legal protection of databases, and under any national implementation thereof, including any amended or successor version of such directive); and
- vii. other similar, equivalent or corresponding rights throughout the world based on applicable law or treaty, and any national implementations thereof.
- 2. Waiver. To the greatest extent permitted by, but not in contravention of, applicable law, Affirmer hereby overtly, fully, permanently, irrevocably and unconditionally waives, abandons, and surrenders all of Affirmer's Copyright and Related Rights and associated claims and causes of action, whether now known or unknown (including existing as well as future claims and causes of action), in the Work (i) in all territories worldwide, (ii) for the maximum duration provided by applicable law or treaty (including future time extensions), (iii) in any current or future medium and for any number of copies, and (iv) for any purpose whatsoever, including without limitation commercial, advertising or promotional purposes (the "Waiver"). Affirmer makes the Waiver for the benefit of each member of the public at large and to the detriment of Affirmer's heirs and successors, fully intending that such Waiver shall not be subject to revocation, rescission, cancellation, termination, or any other legal or equitable action to disrupt the quiet enjoyment of the Work by the public as contemplated by Affirmer's express Statement of Purpose.
- 3. **Public License Fallback.** Should any part of the Waiver for any reason be judged legally invalid or ineffective under applicable law, then the Waiver shall be preserved to the maximum extent permitted taking into account Affirmer's express Statement of Purpose. In addition, to the extent the Waiver is so judged Affirmer hereby grants to each affected person a royalty-free, non transferable, non sublicensable, non exclusive, irrevocable and unconditional license to exercise Affirmer's Copyright and Related Rights in the Work (i) in all territories worldwide, (ii) for the maximum duration provided by applicable law or treaty (including future time extensions), (iii) in any current or future medium and for any number of copies, and (iv) for any purpose whatsoever, including without limitation commercial, ad-

vertising or promotional purposes (the "License"). The License shall be deemed effective as of the date CC0 was applied by Affirmer to the Work. Should any part of the License for any reason be judged legally invalid or ineffective under applicable law, such partial invalidity or ineffectiveness shall not invalidate the remainder of the License, and in such case Affirmer hereby affirms that he or she will not (i) exercise any of his or her remaining Copyright and Related Rights in the Work or (ii) assert any associated claims and causes of action with respect to the Work, in either case contrary to Affirmer's express Statement of Purpose.

4. Limitations and Disclaimers.

- No trademark or patent rights held by Affirmer are waived, abandoned, surrendered, licensed or otherwise affected by this document
- b. Affirmer offers the Work as-is and makes no representations or warranties of any kind concerning the Work, express, implied, statutory or otherwise, including without limitation warranties of title, merchantability, fitness for a particular purpose, non infringement, or the absence of latent or other defects, accuracy, or the present or absence of errors, whether or not discoverable, all to the greatest extent permissible under applicable law.
- c. Affirmer disclaims responsibility for clearing rights of other persons that may apply to the Work or any use thereof, including without limitation any person's Copyright and Related Rights in the Work. Further, Affirmer disclaims responsibility for obtaining any necessary consents, permissions or other rights required for any use of the Work.
- d. Affirmer understands and acknowledges that Creative Commons is not a party to this document and has no duty or obligation with respect to this CC0 or use of the Work.

3.10 CMU Mach License

Mach Operating System
Copyright © 1991,1990,1989 Carnegie Mellon University
All Rights Reserved.

Permission to use, copy, modify and distribute this software and its documentation is hereby granted, provided that both the copyright notice and this permission notice appear in all copies of the software, derivative works or modified versions, and any portions thereof, and that both notices appear in supporting documentation.

CARNEGIE MELLON ALLOWS FREE USE OF THIS SOFTWARE IN ITS "AS IS" CONDITION. CARNEGIE MELLON DISCLAIMS ANY LIABILITY OF ANY KIND FOR ANY DAMAGES WHATSOEVER RESULTING FROM THE USE OF THIS SOFTWARE.

Carnegie Mellon requests users of this software to return to

Software Distribution Coordinator School of Computer Science Carnegie Mellon University Pittsburgh PA 15213-3890

or Software.Distribution@CS.CMU.EDU any improvements or extensions that they make and grant Carnegie Mellon the rights to redistribute these changes.

3.11 DEC BIND License

Copyright © 1993 by Digital Equipment Corporation.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies, and that the name of Digital Equipment Corporation not be used in advertising or publicity pertaining to distribution of the document or software without specific, written prior permission.

THE SOFTWARE IS PROVIDED "AS IS" AND DIGITAL EQUIPMENT CORP. DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL DIGITAL EQUIPMENT CORPORATION 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.

3.12 EDL-1.0

Eclipse Distribution License - v 1.0

Copyright (c) 2007, Eclipse Foundation, Inc. and its licensors.

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the Eclipse Foundation, Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

3.13 EPL-1.0

Eclipse Public License - v 1.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS

"Contribution" means:

- a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and
- b) in the case of each subsequent Contributor:
- c) changes to the Program, and
- ii) additions to the Program;

where such changes and/or additions to the Program originate from and are distributed by that particular Contributor. A Contribution 'originates' from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include additions to the Program which: (i) are separate modules of software distributed in conjunction

with the Program under their own license agreement, and (ii) are not derivative works of the Program.

"Contributor" means any person or entity that distributes the Program.

"Licensed Patents" mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

2. GRANT OF RIGHTS

- a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.
- b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.
- c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.
- d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

- a) it complies with the terms and conditions of this Agreement; and
- b) its license agreement:
- effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;
- effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;
- iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and
- iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

- a) it must be made available under this Agreement; and
- b) a copy of this Agreement must be included with each copy of the Program.

Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified

Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement , including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision

valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

3.14 FSFULLR

FSF Unlimited License (with License Retention)

This file is free software; the Free Software Foundation gives unlimited permission to copy and/or distribute it, with or without modifications, as long as this

notice is preserved.

3.15 GNU LGPL 2

GNU LIBRARY GENERAL PUBLIC LICENSE Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc. 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

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.

GNU LIBRARY GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

This License Agreement applies to any software library which contains a
notice placed by the copyright holder or other authorized party saying it
may be distributed under the terms of this Library General Public License
(also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

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

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

 You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

- 2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:
 - a) The modified work must itself be a software library.
 - b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
 - c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

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.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete

corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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

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

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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

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

- 7. You may place library facilities that are a work based on the Library sideby-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:
 - a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
 - b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the

accompanying uncombined form of the same work.

- 8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.
- 9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.
- 10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.
- 11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

- 12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
- 13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

- 15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.
- 16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL

OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

3.16 GNU LGPL 2.1

GNU LESSER GENERAL PUBLIC LICENSE Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc. 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages—typically libraries—of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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

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

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

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

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

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

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

GNU LESSER GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

O. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

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

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspic-

uously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

- 2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:
- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- 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.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License. 3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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

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.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machinereadable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- 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.

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

- 7. You may place library facilities that are a work based on the Library sideby-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:
 - a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
 - b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.
- 8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.
- 9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.
- 10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

- 12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
- 13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the au-

thor to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

- 15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.
- 16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

3.17 Inner Net License 2.00

The Inner Net License, Version 2.00

The author(s) grant permission for redistribution and use in source and binary forms, with or without modification, of the software and documentation provided that the following conditions are met:

 If you receive a version of the software that is specifically labelled as not being for redistribution (check the version message and/or README), you are not permitted to redistribute that version of the software in any way or form.

- All terms of the all other applicable copyrights and licenses must be followed
- 2. Redistributions of source code must retain the authors' copyright notice(s), this list of conditions, and the following disclaimer.
- Redistributions in binary form must reproduce the authors' copyright notice(s), this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution.
- 4. [The copyright holder has authorized the removal of this clause.]
- 5. Neither the name(s) of the author(s) nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY ITS AUTHORS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHORS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

3.18 ISC License

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

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.

3.19 Janik permissive License

This software is provided "as is"; redistribution and modification is permitted, provided that the following disclaimer is retained.

This software 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. In no event shall the authors or contributors be liable for any direct, indirect, incidental, special, exemplary, or consequential damages (including, but not limited to, procurement of substitute goods or services; loss of use, data, or profits; or business interruption) however caused and on any theory of liability, whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use of this software, even if advised of the possibility of such damage.

3.20 MIT License

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

3.21 Mozilla Public License 2.0

3.21.1 1. Definitions

- **1.1.** "Contributor" means each individual or legal entity that creates, contributes to the creation of, or owns Covered Software.
- **1.2. "Contributor Version"** means the combination of the Contributions of others (if any) used by a Contributor and that particular Contributor's Contribution.
- **1.3. "Contribution"** means Covered Software of a particular Contributor.
- **1.4.** "Covered Software" means Source Code Form to which the initial Contributor has attached the notice in Exhibit A, the Executable Form of such Source Code Form, and Modifications of such Source Code Form, in each case including portions thereof.

1.5. "Incompatible With Secondary Licenses" means

- (a) that the initial Contributor has attached the notice described in Exhibit B to the Covered Software; or
- **(b)** that the Covered Software was made available under the terms of version 1.1 or earlier of the License, but not also under the terms of a Secondary License.
- **1.6. "Executable Form"** means any form of the work other than Source Code Form.
- **1.7.** "Larger Work" means a work that combines Covered Software with other material, in a separate file or files, that is not Covered Software.
- 1.8. "License" means this document.
- **1.9.** "Licensable" means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently, any and all of the rights conveyed by this License.
- **1.10.** "Modifications" means any of the following:
 - (a) any file in Source Code Form that results from an addition to, deletion from, or modification of the contents of Covered Software; or
 - (b) any new file in Source Code Form that contains any Covered Software.
- **1.11. "Patent Claims" of a Contributor** means any patent claim(s), including without limitation, method, process, and apparatus claims, in any patent Licensable by such Contributor that would be infringed, but for the grant of the License, by the making, using, selling, offering for sale, having made, import, or transfer of either its Contributions or its Contributor Version.
- **1.12. "Secondary License"** means either the GNU General Public License, Version 2.0, the GNU Lesser General Public License, Version 2.1, the GNU Affero General Public License, Version 3.0, or any later versions of those licenses.
- **1.13. "Source Code Form"** means the form of the work preferred for making modifications.
- **1.14. "You" (or "Your")** means an individual or a legal entity exercising rights under this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means **(a)** the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or **(b)** ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

3.21.2 2. License Grants and Conditions

3.21.2.1 2.1. Grants Each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

- (a) under intellectual property rights (other than patent or trademark) Licensable by such Contributor to use, reproduce, make available, modify, display, perform, distribute, and otherwise exploit its Contributions, either on an unmodified basis, with Modifications, or as part of a Larger Work; and
- **(b)** under Patent Claims of such Contributor to make, use, sell, offer for sale, have made, import, and otherwise transfer either its Contributions or its Contributor Version.
- **3.21.2.2 2.2. Effective Date** The licenses granted in Section 2.1 with respect to any Contribution become effective for each Contribution on the date the Contributor first distributes such Contribution.
- **3.21.2.3 2.3. Limitations on Grant Scope** The licenses granted in this Section 2 are the only rights granted under this License. No additional rights or licenses will be implied from the distribution or licensing of Covered Software under this License. Notwithstanding Section 2.1(b) above, no patent license is granted by a Contributor:
 - (a) for any code that a Contributor has removed from Covered Software;
 or
 - **(b)** for infringements caused by: **(i)** Your and any other third party's modifications of Covered Software, or **(ii)** the combination of its Contributions with other software (except as part of its Contributor Version); or
 - **(c)** under Patent Claims infringed by Covered Software in the absence of its Contributions.

This License does not grant any rights in the trademarks, service marks, or logos of any Contributor (except as may be necessary to comply with the notice requirements in Section 3.4).

- **3.21.2.4 2.4. Subsequent Licenses** No Contributor makes additional grants as a result of Your choice to distribute the Covered Software under a subsequent version of this License (see Section 10.2) or under the terms of a Secondary License (if permitted under the terms of Section 3.3).
- **3.21.2.5 2.5. Representation** Each Contributor represents that the Contributor believes its Contributions are its original creation(s) or it has sufficient rights to grant the rights to its Contributions conveyed by this License.
- **3.21.2.6 2.6. Fair Use** This License is not intended to limit any rights You have under applicable copyright doctrines of fair use, fair dealing, or other equivalents.

3.21.2.7 2.7. Conditions Sections 3.1, 3.2, 3.3, and 3.4 are conditions of the licenses granted in Section 2.1.

3.21.3 3. Responsibilities

3.21.3.1 3.1. Distribution of Source Form All distribution of Covered Software in Source Code Form, including any Modifications that You create or to which You contribute, must be under the terms of this License. You must inform recipients that the Source Code Form of the Covered Software is governed by the terms of this License, and how they can obtain a copy of this License. You may not attempt to alter or restrict the recipients' rights in the Source Code Form.

3.21.3.2 3.2. Distribution of Executable Form If You distribute Covered Software in Executable Form then:

- (a) such Covered Software must also be made available in Source Code Form, as described in Section 3.1, and You must inform recipients of the Executable Form how they can obtain a copy of such Source Code Form by reasonable means in a timely manner, at a charge no more than the cost of distribution to the recipient; and
- **(b)** You may distribute such Executable Form under the terms of this License, or sublicense it under different terms, provided that the license for the Executable Form does not attempt to limit or alter the recipients' rights in the Source Code Form under this License.
- **3.21.3.3 3.3. Distribution of a Larger Work** You may create and distribute a Larger Work under terms of Your choice, provided that You also comply with the requirements of this License for the Covered Software. If the Larger Work is a combination of Covered Software with a work governed by one or more Secondary Licenses, and the Covered Software is not Incompatible With Secondary Licenses, this License permits You to additionally distribute such Covered Software under the terms of such Secondary License(s), so that the recipient of the Larger Work may, at their option, further distribute the Covered Software under the terms of either this License or such Secondary License(s).
- **3.21.3.4 3.4. Notices** You may not remove or alter the substance of any license notices (including copyright notices, patent notices, disclaimers of warranty, or limitations of liability) contained within the Source Code Form of the Covered Software, except that You may alter any license notices to the extent required to remedy known factual inaccuracies.
- **3.21.3.5 3.5. Application of Additional Terms** You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to

one or more recipients of Covered Software. However, You may do so only on Your own behalf, and not on behalf of any Contributor. You must make it absolutely clear that any such warranty, support, indemnity, or liability obligation is offered by You alone, and You hereby agree to indemnify every Contributor for any liability incurred by such Contributor as a result of warranty, support, indemnity or liability terms You offer. You may include additional disclaimers of warranty and limitations of liability specific to any jurisdiction.

3.21.4 4. Inability to Comply Due to Statute or Regulation

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Software due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be placed in a text file included with all distributions of the Covered Software under this License. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

3.21.5 5. Termination

- **5.1.** The rights granted under this License will terminate automatically if You fail to comply with any of its terms. However, if You become compliant, then the rights granted under this License from a particular Contributor are reinstated (a) provisionally, unless and until such Contributor explicitly and finally terminates Your grants, and (b) on an ongoing basis, if such Contributor fails to notify You of the non-compliance by some reasonable means prior to 60 days after You have come back into compliance. Moreover, Your grants from a particular Contributor are reinstated on an ongoing basis if such Contributor notifies You of the non-compliance by some reasonable means, this is the first time You have received notice of non-compliance with this License from such Contributor, and You become compliant prior to 30 days after Your receipt of the notice.
- **5.2.** If You initiate litigation against any entity by asserting a patent infringement claim (excluding declaratory judgment actions, counter-claims, and cross-claims) alleging that a Contributor Version directly or indirectly infringes any patent, then the rights granted to You by any and all Contributors for the Covered Software under Section 2.1 of this License shall terminate.
- **5.3.** In the event of termination under Sections 5.1 or 5.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or Your distributors under this License prior to termination shall survive termination.

3.21.6 6. Disclaimer of Warranty

Covered Software is provided under this License on an "as is" basis, without warranty of any kind, either expressed, implied, or statutory, including, without limitation, warranties that the Covered Software is free of defects, merchantable, fit for a particular purpose or non-infringing. The entire risk as to the quality and performance of the Covered Software is with You. Should any Covered Software prove defective in any respect, You (not any Contributor) assume the cost of any necessary servicing, repair, or correction. This disclaimer of warranty constitutes an essential part of this License. No use of any Covered Software is authorized under this License except under this disclaimer.

3.21.7 7. Limitation of Liability

Under no circumstances and under no legal theory, whether tort (including negligence), contract, or otherwise, shall any Contributor, or anyone who distributes Covered Software as permitted above, be liable to You for any direct, indirect, special, incidental, or consequential damages of any character including, without limitation, damages for lost profits, loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses, even if such party shall have been informed of the possibility of such damages. This limitation of liability shall not apply to liability for death or personal injury resulting from such party's negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.

3.21.8 8. Litigation

Any litigation relating to this License may be brought only in the courts of a jurisdiction where the defendant maintains its principal place of business and such litigation shall be governed by laws of that jurisdiction, without reference to its conflict-of-law provisions. Nothing in this Section shall prevent a party's ability to bring cross-claims or counter-claims.

3.21.9 9. Miscellaneous

This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. Any law or regulation which provides that the language of a contract shall be

construed against the drafter shall not be used to construe this License against a Contributor.

3.21.10 10. Versions of the License

3.21.10.1 10.1. New Versions Mozilla Foundation is the license steward. Except as provided in Section 10.3, no one other than the license steward has the right to modify or publish new versions of this License. Each version will be given a distinguishing version number.

3.21.10.2 10.2. Effect of New Versions You may distribute the Covered Software under the terms of the version of the License under which You originally received the Covered Software, or under the terms of any subsequent version published by the license steward.

3.21.10.3 10.3. Modified Versions If you create software not governed by this License, and you want to create a new license for such software, you may create and use a modified version of this License if you rename the license and remove any references to the name of the license steward (except to note that such modified license differs from this License).

3.21.10.4 10.4. Distributing Source Code Form that is Incompatible With Secondary Licenses If You choose to distribute Source Code Form that is Incompatible With Secondary Licenses under the terms of this version of the License, the notice described in Exhibit B of this License must be attached.

3.22 OpenSSL License

Copyright (c) 1998-2004 The OpenSSL Project. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- 3. All advertising materials mentioning features or use of this software must display the following acknowledgment: "This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (http://www.openssl.org/)"

- 4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact openssl-core@openssl.org.
- 5. Products derived from this software may not be called "OpenSSL" nor may "OpenSSL" appear in their names without prior written permission of the OpenSSL Project.
- 6. Redistributions of any form whatsoever must retain the following acknowledgment: "This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/)"

THIS SOFTWARE IS PROVIDED BY THE OPENSSL PROJECT "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OPENSSL PROJECT OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This product includes cryptographic software written by Eric Young (eay@cryptsoft.com). This product includes software written by Tim Hudson (tjh@cryptsoft.com).

3.23 Original SSLeay License

Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com) All rights reserved.

This package is an SSL implementation written by Eric Young (eay@cryptsoft.com). The implementation was written so as to conform with Netscapes SSL.

This library is free for commercial and non-commercial use as long as the following conditions are aheared to. The following conditions apply to all code found in this distribution, be it the RC4, RSA, lhash, DES, etc., code; not just the SSL code. The SSL documentation included with this distribution is covered by the same copyright terms except that the holder is Tim Hudson (tjh@cryptsoft.com).

Copyright remains Eric Young's, and as such any Copyright notices in the code are not to be removed. If this package is used in a product, Eric Young should be given attribution as the author of the parts of the library used. This can be in

the form of a textual message at program startup or in documentation (online or textual) provided with the package.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. All advertising materials mentioning features or use of this software must display the following acknowledgement: "This product includes cryptographic software written by Eric Young (eay@cryptsoft.com)" The word 'cryptographic' can be left out if the rouines from the library being used are not cryptographic related :-). 4. If you include any Windows specific code (or a derivative thereof) from the apps directory (application code) you must include an acknowledgement: "This product includes software written by Tim Hudson (tjh@cryptsoft.com)"

THIS SOFTWARE IS PROVIDED BY ERIC YOUNG "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The licence and distribution terms for any publically available version or derivative of this code cannot be changed. i.e. this code cannot simply be copied and put under another distribution licence [including the GNU Public Licence.]

3.24 PSF License 2

PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2

- This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using this software ("Python") in source or binary form and its associated documentation.
- 2. Subject to the terms and conditions of this License Agreement, PSF hereby grants Licensee a nonexclusive, royalty-free, world-wide license

to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018 Python Software Foundation; All Rights Reserved" are retained in Python alone or in any derivative version prepared by Licensee.

- 3. In the event Licensee prepares a derivative work that is based on or incorporates Python or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python.
- 4. PSF is making Python available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.
- 5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.
- 6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.
- 7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.
- 8. By copying, installing or otherwise using Python, Licensee agrees to be bound by the terms and conditions of this License Agreement.

3.25 Public Domain

3.26 pycrypto License

Distribute and use freely; there are no restrictions on further dissemination and usage except those imposed by the laws of your country of residence. This software is provided "as is" without warranty of fitness for use or suitability for any purpose, express or implied. Use at your own risk or not at all.

Incorporating the code into commercial products is permitted; you do not have to make source available or contribute your changes back (though that would be nice).

- amk (www.amk.ca)

3.27 ring License

ring is derived from BoringSSL, so the licensing situation in *ring* is similar to BoringSSL.

ring uses an ISC-style license like BoringSSL for code in new files, including in particular all the Rust code:

Copyright 2015-2016 Brian Smith.

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHORS DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHORS 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.

BoringSSL is a fork of OpenSSL. As such, large parts of it fall under OpenSSL licensing. Files that are completely new have a Google copyright and an ISC License.

Files in third_party/ have their own licenses, as described therein. The MIT License, for third_party/fiat, which, unlike other third_party directories, is compiled into non-test libraries, is included in this document.

The OpenSSL toolkit stays under a dual license, i.e. both the conditions of the OpenSSL License and the Original SSLeay License apply to the toolkit. The text of these licenses is included in this document.

3.28 Sun fdlibm License

Developed at SunPro, a Sun Microsystems, Inc. business. Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is preserved.

3.29 Unicode License v3

UNICODE LICENSE V3

COPYRIGHT AND PERMISSION NOTICE Copyright © 1991-2023 Unicode, Inc.

NOTICE TO USER: Carefully read the following legal agreement. BY DOWN-LOADING, INSTALLING, COPYING OR OTHERWISE USING DATA FILES, AND/OR SOFTWARE, YOU UNEQUIVOCALLY ACCEPT, AND AGREE TO BE BOUND BY, ALL OF THE TERMS AND CONDITIONS OF THIS AGREEMENT. IF YOU DO NOT AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE THE DATA FILES OR SOFTWARE.

Permission is hereby granted, free of charge, to any person obtaining a copy of data files and any associated documentation (the "Data Files") or software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that either (a) this copyright and permission notice appear with all copies of the Data Files or Software, or (b) this copyright and permission notice appear in associated Documentation.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WAR-RANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS.

IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL 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 THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder.

3.30 Unlicense

This is free and unencumbered software released into the public domain.

Anyone is free to copy, modify, publish, use, compile, sell, or distribute this software, either in source code form or as a compiled binary, for any purpose, commercial or non-commercial, and by any means.

In jurisdictions that recognize copyright laws, the author or authors of this software dedicate any and all copyright interest in the software to the public domain. We make this dedication for the benefit of the public at large and to the detriment of our heirs and successors. We intend this dedication to be an overt act of relinquishment in perpetuity of all present and future rights to this software under copyright law.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

For more information, please refer to http://unlicense.org/

3.31 zlib License

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

- The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
- 2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
- 3. This notice may not be removed or altered from any source distribution.

3.32 LLVM Exception

LLVM Exceptions to the Apache 2.0 License

As an exception, if, as a result of your compiling your source code, portions of this Software are embedded into an Object form of such source code, you may redistribute such embedded portions in such Object form without complying with the conditions of Sections 4(a), 4(b) and 4(d) of the License.

In addition, if you combine or link compiled forms of this Software with software that is licensed under the GPLv2 ("Combined Software") and if a court of competent jurisdiction determines that the patent provision (Section 3), the indemnity provision (Section 9) or other Section of the License conflicts with the conditions of the GPLv2, you may retroactively and prospectively choose to deem waived or otherwise exclude such Section(s) of the License, but only in their entirety and only with respect to the Combined Software.