**OPEN SOURCE SOFTWARE NOTICE**

The open source software notice for the open source software used in this openEuler distribution (“openEuler distribution”) is provided in this document. The open source software licenses are granted by the respective right holders. With regard to the respective open source software contained in the openEuler distribution, the applicable open source software license will prevail all other license agreement, including but not limited to the openEuler Software License, in case of any conflicts.

**Warranty Disclaimer**

**THE OPEN SOURCE SOFTWARE IN THIS OPENEULER DISTRIBUTION IS PROVIDED ON AN "AS IS" BASIS, WITHOUT ANY WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.  
See the applicable licenses for more details.**

**Copyright Notice and License Texts**

Software: java-1.8.0-openjdk 1.8.0.462.b08

**Copyright notice:**

Copyright (c) 2000 World Wide Web Consortium, (Massachusetts Institute of Technology, Institut National de Recherche en Informatique et en Automatique, Keio University). All Rights Reserved. This program is distributed under the W3Cs Software Intellectual Property License. This program 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 details.  
Copyright (c) 1995, 2020, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1997, 2024, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2001, 2002 Thai Open Source Software Center Ltd All rights reserved.  
Copyright (c) 1994, 2025, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998, 2008, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1999, 2011, Oracle and/or its affiliates.  
Copyright (c) 2020, Red Hat Inc.  
Copyright (c) 2014, 2021, Oracle and/or its affiliates. All rights reserved.  
Copyright 2001, softSurfer (www.softsurfer.com)  
Copyright (c) 2012, d, oracle and/or its affiliates. all rights reserved.  
Copyright (c) 1995, 2025, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2018, Oracle and/or its affiliates. All rights reserved.  
Copyright 2012, 2018 SAP AG. All rights reserved.  
Copyright (c) 2009-2013, Attila Szegedi  
Copyright IBM Corp. 1998 1999 All Rights Reserved  
Copyright (c) 2015, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2015, 2019, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2001, Thai Open Source Software Center Ltd All rights reserved.  
Copyright (c) 2006 by Tavmjong Bah. All Rights Reserved.  
Copyright (c) 2019, 2025, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998-2020 Marti Maria Saguer  
Copyright (c) 2019, Red Hat, Inc.  
Copyright (c) 2010, 2022, Oracle and/or its affiliates. All rights reserved.  
Copyright 2009 SAP. All Rights Reserved.  
Copyright 2007, 2008, 2010 Red Hat, Inc.  
Copyright (c) 2004, 2011, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) Taligent, Inc. 1996,1997 - All Rights Reserved  
Copyright (c) 2012, 2024, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2003, 2013, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2000, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2009, 2012 Red Hat, Inc.  
Copyright (c) 2013 Free Software Foundation, Inc.  
Copyright (c) 1995, 2021, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2014, 2017 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2012-2021 Jean-Philippe Aumasson <jeanphilippe.aumasson@gmail.com>  
Copyright 1999-2002,2004,2005 The Apache Software Foundation.  
Copyright (c) 1996, 2011, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) IBM Corp. 1998-2003- All Rights Reserved.  
Copyright (c) 2013, 2023, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2000-2011 France T??l??com All rights reserved.  
Copyright (c) 2016, Red Hat Inc.  
copyright Copyright (c)  
Copyright (c) 2015, 2024, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998, 2011, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2005, 2013, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1996, 1999, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2000, 2011, Oracle and/or its affiliates.  
Copyright (c) 2005, 2018, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2014, 2022, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2016, 2019, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1999, 2019, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995-2005 Jean-loup Gailly.  
Copyright (c) 1995, 1999, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998, 2021, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2019 huawei technologies co., ltd. all rights reserved.  
Copyright (c) 2008, 2020, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2000 World Wide Web Consortium, (Massachusetts Institute of Technology, Institut National de Recherche en Informatique et en Automatique, Keio University). All Rights Reserved. This program is distributed under the W3Cs Software Intellectual Property License. This program 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.  
Copyright (c) 2013, 2016, Oracle and/or its affiliates. All rights reserved.  
Copyright 1995-2010 Jean-loup Gailly and Mark Adler ; deflate 1.2.5  
Copyright (c) 1995-2010 Jean-loup Gailly and Mark Adler  
Copyright 2009 Red Hat, Inc. All Rights Reserved.  
Copyright (c) 2002, 2006, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2012, 2021, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2011, 2018, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995, 2003, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2017, Red Hat, Inc. and/or its affiliates.  
Copyright (c) 2005, 2021, Oracle and/or its affiliates. All rights reserved.  
Copyright 2007, 2008, 2011, 2015, Red Hat, Inc.  
Copyright (c) 2004, 2020, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1988, 1993 The Regents of the University of California. All rights reserved.  
Copyright (c) 1995-2003, 2010 Jean-loup Gailly.  
Copyright (c) 1998, 2013, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2003, 2016, Oracle and/or its affiliates.  
Copyright (c) 2013-2018 The Khronos Group Inc.  
Copyright (c) 1994, 1998, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2007, 2022, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1996, 2024, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2010, 2012, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2011, 2013, Oracle and/or its affiliates. All rights reserved.  
Copyright 1997 by Sun Microsystems, Inc.  
Copyright (c) 2016, Red Hat, Inc. and/or its affiliates.  
Copyright (c) 2001, 2022, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998, 2018, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2012, 2020, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2016, 2020, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2002 World Wide Web Consortium, (Massachusetts Institute of Technology, Institut National de Recherche en Informatique et en Automatique, Keio University). All Rights Reserved. This program is distributed under the W3Cs Software Intellectual Property License. This program 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.  
Copyright (c) 2008, 2013 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2005, 2010, Oracle and/or its affiliates. All rights reserved.  
Copyright 2000-2002,2004 The Apache Software Foundation.  
Copyright (c) 2019, 2020, Oracle and/or its affiliates. All rights reserved.  
Copyright 2007, 2008, 2010, 2011 Red Hat, Inc.  
Copyright (c) 2020, Huawei Technologies Co. Ltd. All rights reserved.  
Copyright (c) 1995-2024 Jean-loup Gailly and Mark Adler For conditions of distribution and use, see  
Copyright (c) 2005, 2015, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1994, 2003, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2005 Martin Paljak <martin@paljak.pri.ee>  
Copyright (c) 1987, 1993 The Regents of the University of California. All rights reserved.  
Copyright (c) 1994, 2019, Oracle and/or its affiliates. All rights reserved.  
Copyright 2002,2004 The Apache Software Foundation.  
Copyright (c) OASIS Open 2020. All Rights Reserved.  
Copyright (c) 2012, 2017 SAP AG. All rights reserved.  
Copyright (c) IBM Corp. and others, 1996-2009 - All Rights Reserved  
Copyright (c) 1998-2002,2004,2006-2013,2018 Glenn Randers-Pehrson  
Copyright (c) 2009, 2018, Oracle and/or its affiliates. All rights reserved.  
copyright international business machines corp. 1997, 1999 rmi-iiop v1.0  
Copyright (c) 1995-1998, Thomas G. Lane.  
Copyright (c) 2000-2002, 2004, 2006-2018 Glenn Randers-Pehrson, are derived from libpng-1.0.6, and are distributed according to the same disclaimer and license as libpng-1.0.6 with the following individuals added to the list of Contributing Authors  
Copyright 2008, 2010 Red Hat, Inc.  
Copyright (c) 1998, 2009, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) IBM Corp. 1998-2013 - All Rights Reserved  
Copyright (c) 2014 IBM Corporation  
Copyright (c) 1999-2004 David Corcoran <corcoran@musclecard.com>  
Copyright (c) 2011, 2012, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995, 2023, Oracle and/or its affiliates. All rights reserved.  
Copyright 2008 Red Hat, Inc.  
Copyright 2013, 2017 SAP AG. All rights reserved.  
Copyright (c) IBM Corp. 1998-2008 - All Rights Reserved  
Copyright (c) 20015, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2001, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1999, 2024, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2012, 2015, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2012 Free Software Foundation, Inc.  
Copyright (c) 1997, 2006, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2013 IBM Corporation  
Copyright (c) 1998, 2004, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2002, 2010, Oracle and/or its affiliates.  
Copyright (c) 2000-2003 Daisuke Okajima and Kohsuke Kawaguchi.  
Copyright (c) 2016, SAP SE and/or its affiliates. All rights reserved.  
Copyright (c) 2003, 2021, oracle and/or its affiliates. all rights reserved.  
Copyright (c) 2006, 2015, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2003, 2012, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1994, 2014, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2006, 2020, Oracle and/or its affiliates. All rights reserved.  
Copyright 1997 The Open Group Research Institute. All rights reserved.  
Copyright (c) 1995-2008, 2010 Mark Adler For conditions of distribution and use, see  
Copyright (c) 2012 Red Hat, Inc.  
Copyright (c) 2011 IBM Corporation  
Copyright (c) IBM Corp. 1998-2009 - All Rights Reserved  
Copyright (c) 2006, 2013, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995, 2001, Oracle and/or its affiliates. All rights reserved.  
Copyright IBM Corporation, 1997, 2001. All Rights Reserved.  
Copyright (c) 1998, Thomas G. Lane  
Copyright (c) 2013,2014, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2022 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2006, 2015 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995-2005, 2014, 2016 Jean-loup Gailly, Mark Adler For conditions of distribution and use, see  
Copyright (c) 2008, 2010, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2009, 2013, by Oracle Corporation. All Rights Reserved.  
Copyright (c) 1999-2004 Wily Technology, Inc. All rights reserved.  
Copyright (c) 2006, 2010, Oracle and/or its affiliates.  
Copyright (c) 1995-1997, Thomas G. Lane.  
Copyright (c) 2004, 2013 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2017, 2020, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2002, 2023, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2004, 2008, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) IBM Corp. and others 2013 - All Rights Reserved  
Copyright (c) 2003, 2007, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2013 Google Inc. All rights reserved.  
Copyright (c) 2012, 2018, SAP SE. All rights reserved.  
Copyright (c) 2006, 2008, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2008, 2022, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) IBM Corp. 1999 - All Rights Reserved  
Copyright (c) 2022 THL A29 Limited, a Tencent company. All rights reserved.  
Copyright (c) 2000, 2009, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1996, 2012, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) IBM Corp. 2002 - All Rights Reserved  
Copyright (c) 1999, 2017, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2020 Red Hat, Inc.  
Copyright (c) 1990, 1993, 1994 The Regents of the University of California. All rights reserved.  
Copyright (c) 2000, 2012, Oracle and/or its affiliates.  
Copyright 2000-2004 The Apache Software Foundation.  
Copyright 2003 Wily Technology, Inc.  
Copyright (c) 1995-2005, 2010 Mark Adler For conditions of distribution and use, see  
Copyright (c) 2015, 2022, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2014, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2006, 2014, Oracle and/or its affiliates. All rights reserved.  
Copyright ?? 2011 Ecma International Ecma International Rue du Rhone 114  
Copyright (c) 1995-2006 Jean-loup Gailly.  
Copyright 1987, 1998 The Open Group  
Copyright (c) 2004, 2005, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2001, 2016, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1996, 2015, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2002, 2021, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) IBM Corporation 1998  
Copyright (c) 1996, 2005, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2001, 2011, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) IBM Corp. 1998 - All Rights Reserved  
Copyright (c) 1996-1997 Andreas Dilger, are derived from libpng-0.88, and are distributed according to the same disclaimer and license as libpng-0.88, with the following individuals added to the list of Contributing Authors  
Copyright (c) 2018, 2021, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2012, 2013 Stephen Colebourne & Michael Nascimento Santos  
Copyright (c) 2002-2011 Ludovic Rousseau <ludovic.rousseau@free.fr>  
Copyright (c) IBM Corp. 1996 - 1999 - All Rights Reserved  
Copyright (c) 2020 SAP SE. All rights reserved.  
Copyright 1995-2024 Mark Adler ; inflate 1.3.1  
Copyright (c) 1989, 1991 Free Software Foundation, Inc.  
Copyright Amazon.com Inc. or its affiliates. All Rights Reserved.  
Copyright (c) 1998, 2007, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2002, 2018, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1997, 2013, Oracle andor its affiliates. All rights reserved.  
Copyright (c) 2000-2011 INRIA, France Telecom All rights reserved.  
Copyright (c) 2009,2017, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2000, 2010, Oracle and/or its affiliates.  
Copyright 1987 by Digital Equipment Corporation, Maynard, Massachusetts,  
Copyright (c) 2022, Red Hat, Inc.  
Copyright (c) 1999-2003, International Business Machines Corporation and others. All Rights Reserved.  
Copyright (c) 2010, International Business Machines Corporation and others. All Rights Reserved.  
Copyright 2009-2013 Attila Szegedi  
Copyright (c) 1995, 2006, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) IBM Corp. 1998-2008 - All Rights Reserved.  
Copyright (c) 2018-2022 Cosmin Truta  
Copyright (c) 2003, 2011, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2020 THL A29 Limited, a Tencent company. All rights reserved.  
Copyright (c) 2011 Hewlett-Packard Company. All rights reserved.  
Copyright (c) 1991-1998, Thomas G. Lane.  
Copyright (c) 2012, IBM Corporation  
Copyright (c) 1991, 2000, 2001 by Lucent Technologies.  
Copyright (c) 2003, International Business Machines Corporation and others. All Rights Reserved.  
Copyright (c) 2019, huawei technologies co., ltd. all rights reserved.  
Copyright (c) 2002-2009 Ludovic Rousseau <ludovic.rousseau@free.fr>  
Copyright (c) 2003-2004, International Business Machines Corporation and others. All Rights Reserved.  
Copyright (c) 1996, 2021, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2007, 2017, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1994, 2009, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2016 Oracle and/or its affiliates. All rights reserved.  
Copyright 2007, 2009, 2010, 2011 Red Hat, Inc.  
Copyright (c) 2009 by Oracle Corporation. All Rights Reserved.  
Copyright (c) 1999, 2007, Oracle and/or its affiliates. All rights reserved.  
Copyright 1996, 1998 The Open Group  
Copyright (c) 2015, 2018, oracle and/or its affiliates. all rights reserved.  
Copyright (c) IBM Corp. 1996 - 1998 - All Rights Reserved  
Copyright 1994-2002 World Wide Web National de Recherche en Informatique et en Automatique , Keio University ). All Rights Reserved. http:www.w3.org/Consortium/Legal  
Copyright 2013, 2014 SAP AG. All rights reserved.  
Copyright (c) 2017, 2019, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2000, 2020, Oracle and/or its affiliates.  
Copyright (c) 2000, 2018, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1999, 2012, Oracle and/or its affiliates.  
Copyright (c) 1993, 2002, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2007, 2010, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2015, 2020, Oracle and/or its affiliates. All rights reserved.  
Copyright 2014 Google Inc. All rights reserved.  
Copyright (c) 1994, 1995, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995-1996 Jean-loup Gailly.  
Copyright (c) 2001-2011 Ludovic Rousseau <ludovic.rousseau@free.fr>  
Copyright (c) 2004-2009 Paul R. Holser, Jr.  
Copyright (c) 1998-2009, International Business Machines Corporation and others. All Rights Reserved.  
Copyright IBM Corp. 1998 2012 All Rights Reserved  
Copyright (c) 2003, 2017, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1996, 2006, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998, 2003, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1992-1996, 1998-2012 Free Software Foundation, Inc.  
Copyright (c) 2007, 2015, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2009 by oracle corporation. all rights reserved.  
Copyright (c) 2012 Sparkle.org and Andy Matuschak  
Copyright (c) 2000, 2024, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1997, 2025, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1999, 2011, Oracle and/or its affiliates. All rights reserved.  
Copyright 2014 SAP AG. All Rights Reserved.  
Copyright (c) 2013, 2014 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2006, 2018, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2000, 2017, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2019 Huawei Technologies Co. LTD. All Rights Reserved.  
Copyright (c) 1991-1996, Thomas G. Lane.  
Copyright (c) 2014, 2020 Red Hat Inc. All rights reserved.  
Copyright (c) 2017, Red Hat Inc. All rights reserved.  
Copyright (c) 2003 sun microsystems, inc. all rights reserved.  
Copyright 1994-2000 World Wide Web National de Recherche en Informatique et en Automatique , Keio University ). All Rights Reserved. http:www.w3.org/Consortium/Legal  
Copyright (c) 1999, 2008, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2001, 2005, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2013, 2021, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1999, 2015, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995-2003, 2010, 2014, 2016 Jean-loup Gailly, Mark Adler For conditions of distribution and use, see  
Copyright (c) 1991, 1993 The Regents of the University of California. All rights reserved.  
Copyright (c) 2020 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1997, 2010, Oracle and/or its affiliates.  
Copyright (c) 2012 Red Hat, Inc.  
Copyright (c) 2015, 2016 SAP SE. All rights reserved.  
Copyright (c) 2010, 2011, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2012, 2014, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2000-2013 INRIA, France Telecom All rights reserved.  
Copyright (c) 2011,2013 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2010-2014, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2003, 2020, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2010, 2023, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2017 JRuby Team  
Copyright (c) 2016 Google Inc. All rights reserved.  
Copyright (c) 1999-2007 Brian Paul All Rights Reserved.  
Copyright (c) 2021, Red Hat, Inc.  
Copyright 2014 Google, Inc. All Rights Reserved.  
Copyright (c) 1997, 2011, Oracle and/or its affiliates.  
Copyright (c) 2020, 2023, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1996, 2000, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1994-1997, Thomas G. Lane.  
Copyright (c) 2009, 2013, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2005, 2009, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2010-2013, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1996, 2022, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1999, 2006, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1996-2000 Markus Oberhumer & Laszlo Molnar http:www.nexus.hu/upx http:upx.tsx.org  
Copyright (c) 2008 - 2018 The Khronos Group Inc.  
Copyright (c) 2001, 2009, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2003, 2014, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2004, 2023, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2018, 2024, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) Taligent, Inc. 1996, 1997 - All Rights Reserved  
Copyright (c) 1995, 2000, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2015, 2025, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1983, 1990, 1993 The Regents of the University of California. All rights reserved.  
Copyright (c) 1997, 2010, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2020, Azul Systems, Inc. All rights reserved.  
Copyright 2012, 2017 SAP AG. All rights reserved.  
Copyright (c) 2006, 2012, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2015, Oracle, Inc.  
Copyright (c) 2009, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2011, 2017, Oracle and/or its affiliates. All rights reserved.  
Copyright 1992 Network Computing Devices, Inc.  
Copyright (c) 2008, 2017, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1991-2005 Unicode, Inc. All rights reserved.  
Copyright (c) 2006, 2013 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) IBM Corp. 1998-2013. All Rights Reserved.  
Copyright (c) 2007 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2010, 2017, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2000, 2006, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2011, 2015, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2001, 2021, Oracle and/or its affiliates. All rights reserved.  
Copyright 2007 Apple Inc. All rights reserved.  
Copyright (c) 2002, 2009, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2022, Oracle and/or its affiliates. All rights reserved.  
Copyright 1999-2002,2004 The Apache Software Foundation.  
Copyright (c) 1994, 2013, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998, 2010, Oracle and/or its affiliates.  
Copyright (c) 2019, 2022, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2023, Azul Systems, Inc. All rights reserved.  
Copyright (c) 2010, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1996, 2003, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2002, 2016, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998, 2000, Oracle and/or its affiliates. All rights reserved.  
Copyright 2009, 2010 Red Hat, Inc.  
Copyright (c) 2020, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995, 2016, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995, 2022, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2018, Red Hat, Inc. and/or its affiliates. All rights reserved.  
Copyright (c) 1991-2012 Unicode, Inc.  
Copyright (c) 2004, 2020 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1996, 2025, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1999, 2009, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2000, 2014, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1999-2006 Brian Paul All Rights Reserved.  
Copyright (c) 2011, 2013 Oracle and/or its affiliates. All rights reserved.  
Copyright 2003,2004 The Apache Software Foundation.  
Copyright 2008, 2009, 2010, 2011 Red Hat, Inc.  
Copyright (c) 1996, 2023, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2007, 2020, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2018, 2022, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2022, alibaba group holding limited. all rights reserved.  
Copyright (c) 2006, 2023, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1991-2012 Unicode, Inc. All rights reserved. Distributed under the  
Copyright (c) 2008 Otto Moerbeek <otto@drijf.net>  
Copyright (c) 2000, 2013 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2020, huawei technologies co. ltd. all rights reserved.  
Copyright (c) IBM Corp. 1996-2005 - All Rights Reserved  
Copyright (c) IBM Corp. 1998, 1999 - All Rights Reserved  
Copyright (c) IBM Corp. 1996-2003 - All Rights Reserved  
Copyright (c) 2003, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) IBM Corp. 1998 - 2004 - All Rights Reserved  
Copyright (c) 2019 alibaba group holding limited. all rights reserved.  
Copyright (c) 2015, 2016. All rights reserved.  
Copyright (c) 2015, 2021, oracle and/or its affiliates. all rights reserved.  
Copyright (c) 1995, 1996, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2001, 2002, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995-2003, 2010 Mark Adler For conditions of distribution and use, see  
Copyright (c) 1999, 2013, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2003, 2018, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2007 Sun Microsystems, Inc. All Rights Reserved.  
Copyright (c) 2021, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998-2002,2004,2006-2018 Glenn Randers-Pehrson  
Copyright (c) 2004, 2012, Oracle and/or its affiliates.  
Copyright (c) 2005, 2013 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1999, 2000, Oracle and/or its affiliates. All rights reserved.  
Copyright 2007, 2010 Red Hat, Inc.  
Copyright 2007, 2009 Red Hat, Inc.  
Copyright (c) 2003, 2023, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1996-1997 Andreas Dilger.  
Copyright (c) 2007, 2011, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) Eastman Kodak Company, 1997 As an unpublished work pursuant to Title 17 of the United States Code. All rights reserved.  
Copyright (c) 2006, 2007, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2004-2024 Mark Adler For conditions of distribution and use, see  
Copyright (c) 1999, international information on the apache software foundation, please see  
Copyright (c) 2007, 2008, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2008, 2023, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998, 2006, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2005, 2022, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2016, Red Hat, Inc. All rights reserved.  
Copyright 2014 Attila Szegedi  
Copyright (c) 2001-2003 Thai Open Source Software Center Ltd All rights reserved.  
Copyright (c) 2013, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2008, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1997, 2011, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2003, 2021, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1997, 2003, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1996, 2008, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2011, 2014, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995-2024 Mark Adler For conditions of distribution and use, see  
Copyright (c) 2015, 2023, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995, 2011, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2003, 2008, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1999 David Corcoran <corcoran@musclecard.com>  
Copyright (c) 2013 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2017, Google Inc. All rights reserved.  
Copyright 2010 Red Hat, Inc.  
Copyright (c) 1997, 2022, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1999, 2010, Oracle and/or its affiliates.  
Copyright (c) 1996, 2004, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995-2017 Mark Adler For conditions of distribution and use, see  
Copyright (c) 2020, 2021, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1994, 2005, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995-2024 Jean-loup Gailly For conditions of distribution and use, see  
Copyright (c) 2021, Alibaba Group Holding Limited. All Rights Reserved.  
Copyright (c) 2004-2019 Mark Adler For conditions of distribution and use, see  
Copyright (c) 1996, 2013, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2014, 2015, Oracle and/or its affiliates. All rights reserved.  
Copyright 2000-2005 The Apache Software Foundation.  
Copyright (c) 2005, 2019, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1996,2010, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2015, Red Hat Inc. All rights reserved.  
Copyright (c) 1998, 2012, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2014, Red Hat Inc. All rights reserved.  
Copyright (c) 1997 2016, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2003 by Bitstream, Inc. All Rights Reserved. Bitstream Vera is a trademark of Bitstream, Inc.  
Copyright (c) 1997, 2021, Oracle and/or its affiliates. All rights reserved.  
Copyright 2012, 2015 SAP AG. All rights reserved.  
Copyright (c) 2002, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2011 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2005, 2008, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2025, Oracle and/or its affiliates. All rights reserved.  
Copyright 2001,2002,2004 The Apache Software Foundation.  
Copyright (c) 1995, 2012, Oracle and/or its affiliates. All rights reserved.  
copyright ?? 1991-2013 unicode, inc. all rights reserved.  
Copyright (c) 1995, 2018, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) Taligent, Inc. 1996-1998 - All Rights Reserved  
Copyright (c) 2002, 2022, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2012 IBM Corporation  
Copyright (c) 2016 Red Hat, Inc.  
Copyright (c) 2010, 2011 IBM Corporation  
Copyright 2007, 2008, 2011 Red Hat, Inc.  
Copyright (c) 2005, 2020, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1999-2004 The Apache Software Foundation. All rights reserved.  
Copyright (c) 1996, 2010, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2007,2011, Oracle and/or its affiliates. All rights reserved.  
Copyright 2005 The Apache Software Foundation.  
Copyright (c) 1997, 2018, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2016, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995-2010 Jean-loup Gailly For conditions of distribution and use, see  
Copyright (c) 1999, 2018, Oracle and/or its affiliates. All rights reserved.  
Copyright 1997 The Open Group Research Institute. All rights reserved.  
Copyright (c) 1993, 1994, 1998 The Open Group  
Copyright (c) IBM Corp. 1998 - 2005 - All Rights Reserved  
Copyright (c) 2002, 2011, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2003, 2022, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2019, 2020, Red Hat, Inc. All rights reserved.  
Copyright (c) 2012, d, Oracle and/or its affiliates. All rights reserved. +  
Copyright (c) 2008, 2009, Oracle and/or its affiliates. All rights reserved.  
Copyright 1987, 1998 The Open Group  
Copyright (c) 1995-2024 Jean-loup Gailly and Mark Adler  
Copyright (c) 1992-1996, Thomas G. Lane.  
Copyright (c) 1997, 2014, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2014, 2018, oracle and/or its affiliates. all rights reserved.  
Copyright (c) 1997, 2009, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1996, 2014, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2016, 2016, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2007, 2013, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) $COPYRIGHTYEARS Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998-2002,2004,2006-2018 Glenn Randers-Pehrson  
Copyright (c) IBM Corp. 1998-2004 - All Rights Reserved  
Copyright (c) 2004, 2019, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1996, 2020, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1996, 2016, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2007, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2009, 2014, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2013, Red Hat Inc. All rights reserved.  
Copyright (c) IBM Corp. 1999-2003 - All Rights Reserved  
Copyright (c) 2003, 2019, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2018, 2020, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2012, 2019, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1996, 1997, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2003, 2009, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) Taligent, Inc. 1996 - All Rights Reserved  
Copyright (c) 2013, 2014, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) Taligent, Inc. 1996-1998 - All Rights Reserved  
Copyright 2012, 2014 SAP AG. All rights reserved.  
Copyright 2001, 2002,2004,2005 The Apache Software Foundation.  
Copyright (c) 2009, 2016, Oracle and/or its affiliates. All rights reserved.  
Copyright IBM Corp. 1999-2000. All rights reserved.  
Copyright (c) 1996, 2002, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2004, 2022, Oracle and/or its affiliates. All rights reserved.  
Copyright 2014 Google Inc. All Rights Reserved.  
Copyright (c) 1995-2019 Mark Adler For conditions of distribution and use, see  
Copyright 2015 Google Inc. All Rights Reserved.  
Copyright (c) 1996, 2019, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1999-2003 David Corcoran <corcoran@musclecard.com>  
Copyright (c) IBM Corp. 1998-2005. All Rights Reserved.  
Copyright (c) 2018, sap se. all rights reserved.  
Copyright (c) 2011 SAP AG. All Rights Reserved.  
Copyright (c) 2015, 2017, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1991, 1999 Free Software Foundation, Inc.  
Copyright (c) 1996, 2007, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2018, Red Hat, Inc. All rights reserved.  
Copyright (c) 2013, 2017, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1987, 1988 Student Information Processing Board of the Massachusetts Institute of Technology.  
Copyright (c) 1995-2005, 2010 Jean-loup Gailly.  
Copyright (c) 2002, 2003, Oracle and/or its affiliates. All rights reserved.  
Copyright 2007, 2008, 2009, 2010 Red Hat, Inc.  
Copyright (c) 2000, 2012, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2014, 2019, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2021, Arm Limited. All rights reserved.  
Copyright (c) 2007, 2021, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2000, 2021, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2018-2022 Cosmin Truta PNGSTRINGNEWLINE  
Copyright (c) IBM Corp. 1998-2010 - All Rights Reserved  
Copyright (c) 1997, 2017, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2018, 2023, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2014, 2020, Oracle and/or its affiliates. All rights reserved.  
Copyright 2012 Skip Balk. All Rights Reserved.  
Copyright (c) 2018-2022 Cosmin Truta.  
Copyright (c) 2010, 2016, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2006, 2021, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2014, 2017, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2011, 2015 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2007, 2009, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1994, 2017, Oracle and/or its affiliates. All rights reserved.  
Copyright 2008, 2009 Red Hat, Inc.  
Copyright (c) 2010, 2018, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2012, 2017, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1996, 2001, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2010, 2015, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2011, 2016, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1996-1999 by Internet Software Consortium.  
Copyright (c) 2004, 2010 Mark Adler For conditions of distribution and use, see  
Copyright (c) 2003, 2005, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2020, Red Hat, Inc. All rights reserved.  
Copyright (c) IBM Corp. and others 2013 - All Rights Reserved  
Copyright (c) 1997, 2002, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) OASIS Open 2016, 2019. All Rights Reserved.  
Copyright (c) 2001, 2008, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2002, 2019, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2018 Red Hat, Inc. All rights reserved.  
Copyright (c) IBM Corp. 1996 - 2002 - All Rights Reserved  
Copyright (c) 2015, Red Hat Inc DO NOT ALTER OR REMOVE  
Copyright (c) 2006, 2016, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2002-2013, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998, 2020, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2005, 2014 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2008, 2015 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1991-2007 Unicode, Inc. All rights reserved.  
Copyright (c) 2001, 2013, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) IBM Corp. 2005, All Rights Reserved.  
Copyright (c) 2013, Red Hat Inc.  
Copyright (c) 2014, 2024, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998, 2022, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) IBM Corp. 1998-2001 - All Rights Reserved  
Copyright (c) IBM Corp. 2013  
Copyright 2012 SAP AG. All Rights Reserved.  
Copyright (c) 2007, 2024, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2002, 2012, Oracle and/or its affiliates. All rights reserved.  
Copyright 2012 SAP AG. All rights reserved.  
copyright international business machines corp. 1997,1998 rmi-iiop v1.0  
Copyright (c) 2018, 20121, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998, 1999, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998, 2005, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2020, huawei technologies co., ltd. all rights reserved.  
Copyright (c) 2013, 2018, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2007, 2018, Oracle and/or its affiliates. All rights reserved.  
Copyright 2001-2004 The Apache Software Foundation or its licensors, as applicable.  
Copyright (c) 2007, 2016, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2009,2013, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2000, 2013, Oracle and/or its affiliates. All rights reserved.  
Copyright 2003-2005 Colin Percival All rights reserved  
Copyright (c) 1994-2004 The XFree86 Project, Inc. All rights reserved.  
Copyright 2011 Red Hat, Inc. All Rights Reserved.  
Copyright 2009 D.E. Shaw. All Rights Reserved.  
Copyright 2002 World Wide Web National de Recherche en Informatique et en Automatique , Keio University ). All Rights Reserved.  
Copyright IBM Corporation, 2001. All Rights Reserved.  
Copyright (c) 2022, SAP SE. All rights reserved.  
Copyright (c) IBM Corp. 2005 - All Rights Reserved  
Copyright (c) 1995-2006, 2010 Mark Adler For conditions of distribution and use, see  
copyright-software-20021231  
Copyright (c) 2003, 2010, Oracle and/or its affiliates.  
Copyright (c) 1996, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2011-2012, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2007 The Khronos Group Inc.  
Copyright (c) 2014, 2021, red hat inc. all rights reserved.  
Copyright (c) 2009, 2025, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2000, 2005, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2016, 2018, Oracle and/or its affiliates. All rights reserved.  
Copyright Eastman Kodak Company 1991-2003  
Copyright (c) 1998-2002,2004,2006-2013 Glenn Randers-Pehrson  
Copyright 1999 by CoolServlets.com.  
Copyright (c) 2001, 2010, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995, 2017, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2015, 2018, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998-2021 Marti Maria Saguer  
Copyright (c) 2012-2014 Daniel J. Bernstein <djb@cr.yp.to>  
Copyright 2001-2004 The Apache Software Foundation.  
Copyright (c) Taligent, Inc. 1996 - 1997, All Rights Reserved  
Copyright (c) 2009, 2019, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1997, 2000, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998, 2011, Oracle and/or its affiliates.  
Copyright (c) 2013, 2015, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2004, 2017, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998 by the FundsXpress, INC.  
Copyright (c) 1995-2022 The PNG Reference Library Authors.  
Copyright (c) 2004, International Business Machines Corporation and others. All Rights Reserved.  
Copyright (c) 1994, 2016, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998, 2023, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1997, 2005, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2014 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2013, 2017 oracle and/or its affiliates. all rights reserved.  
Copyright (c) IBM Corp. 1998-2003, All Rights Reserved  
Copyright (c) IBM Corp. 1999, All rights reserved.  
Copyright (c) 1997, 2020, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2015, Red Hat, Inc.  
Copyright (c) 2007 Sun Microsystems, Inc.  
Copyright (c) IBM Corp. 1998, All Rights Reserved  
Copyright (c) 1995-2005 The Cryptix Foundation Limited.  
Copyright (c) 2002, 2008, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2003, 2006, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2004, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2021, Azul, Inc. All rights reserved.  
Copyright (c) 2017, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2018, 2019, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2012, 2018 SAP SE. All rights reserved.  
Copyright (c) 2013, Intel Corp.  
Copyright (c) 1994, 2002, Oracle and/or its affiliates. All rights reserved.  
Copyright 1999-2004 The Apache Software Foundation.  
Copyright 2002-2004 The Apache Software Foundation.  
Copyright 2009-2015 Attila Szegedi  
Copyright (c) 1999-2003 David Corcoran <corcoran@linuxnet.com>  
Copyright (c) 2004, 2013, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2010-2012, Stephen Colebourne & Michael Nascimento Santos  
Copyright (c) 2012-2013, Stephen Colebourne & Michael Nascimento Santos  
Copyright (c) 1991-2012 Unicode, Inc. All rights reserved. Distributed under  
Copyright (c) 2003,2014, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2008-2012 Stephen Colebourne & Michael Nascimento Santos  
Copyright (c) 2002, 2014, Oracle and/or its affiliates. All rights reserved.  
Copyright 2003-2004 The Apache Software Foundation.  
Copyright (c) 2001, 2024, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) IBM Corp. 2004-2013 - All Rights Reserved  
Copyright 2008, 2009, 2010 Red Hat, Inc.  
Copyright 2017 SAP SE. All rights reserved.  
Copyright 2013 SAP AG. All rights reserved.  
Copyright (c) 1994-1999 RSA Security Inc. Licence to copy this document is granted provided that it is identified as RSA Security Inc. Public-Key Cryptography Standards (PKCS) in all material mentioning or referencing this document.  
Copyright (c) 2019 huawei technologies co. ltd. all rights reserved.  
Copyright (c) 2006, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2000, 2015, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2004, 2009, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995-1996 Guy Eric Schalnat, Group 42, Inc.  
Copyright (c) 1995, 2014, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2000, 2020, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2017, 2025, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1994, 2024, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995, 2015, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1991-2011 Unicode, Inc. All rights reserved.  
Copyright (c) 1998, 2016, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1994, 2004, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2015, 2016, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2020, huawei technologies co., ltd. all rights reserved.  
Copyright (c) 2011, 2022, oracle and/or its affiliates. all rights reserved.  
Copyright (c) 2007, 2014, Oracle and/or its affiliates. All rights reserved.  
Copyright 1995-2024 Jean-loup Gailly and Mark Adler ; deflate 1.3.1  
Copyright 2012, 2013 SAP AG. All rights reserved.  
Copyright (c) 2008, 2021, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2013, 2017 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) IBM Corp. and others 1998-2013 - All Rights Reserved  
Copyright (c) 2019, Red Hat Inc. All rights reserved.  
Copyright (c) IBM Corp. 1996-1998 - All Rights Reserved  
Copyright (c) 2003, 2015, Oracle and/or its affiliates.  
Copyright (c) 2005, 2014, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2023, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2019, Red Hat, Inc. and/or its affiliates.  
Copyright (c) IBM Corp. 2003, All Rights Reserved  
Copyright (c) 1994, 2012, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2005, 2010 Thai Open Source Software Center Ltd All rights reserved.  
Copyright (c) 2000, 2022, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1999, 2004, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2011, 2025, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1996, 2018, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998-2013, International Business Machines Corporation and others. All Rights Reserved.  
Copyright (c) 2020, Red Hat, Inc.  
Copyright (c) 1999, 2022, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995-2009 Mark Adler For conditions of distribution and use, see  
Copyright (c) 2016, 2017, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1999 International Business Machines.  
Copyright (c) 2004-2017 Mark Adler For conditions of distribution and use, see  
Copyright (c) 2009 VMware, Inc. All Rights Reserved.  
Copyright (c) 1999, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995-2024 Jean-loup Gailly, Mark Adler For conditions of distribution and use, see  
Copyright (c) 2004, 2006, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1991-1997, Thomas G. Lane.  
Copyright (c) 2010, 2021, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) IBM Corp. 1999-2000 - All Rights Reserved  
Copyright (c) 1991-1994, Thomas G. Lane.  
Copyright (c) 1998 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2017, 2022, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2000, 2002, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2007-2012, Stephen Colebourne & Michael Nascimento Santos  
Copyright 2009, 2010, 2011 Red Hat, Inc.  
Copyright (c) 1991-2012 Unicode, Inc. All rights reserved. Distributed under +  
Copyright (c) 2001, 2013, oracle and/or its affiliates. all rights reserved.  
Copyright (c) 1995, 1997, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2000, 2015, Oracle andor its affiliates. All rights reserved.  
Copyright (c) 2019, 2021, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2008-2012, Stephen Colebourne & Michael Nascimento Santos  
Copyright (c) 2023, huawei technologies co., ltd. all rights reserved.  
Copyright (c) IBM Corp. 2002-2003 - All Rights Reserved  
Copyright (c) 1995-2010 Jean-loup Gailly.  
Copyright (c) 2000, 2007, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2021, huawei technologies co., ltd. all rights reserved.  
Copyright (c) 1994, 2021, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998-2018 Glenn Randers-Pehrson  
Copyright (c) 1995, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2012, 2018, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2007, 2010, Oracle and/or its affiliates.  
Copyright (c) IBM Corp. 1998-2010 - All Rights Reserved.  
Copyright (c) d, Oracle and/or its affiliates. All rights reserved. +  
Copyright (c) 2013-2017 The Khronos Group Inc.  
Copyright (c) 2002 Graz University of Technology. All rights reserved.  
Copyright (c) IBM Corp. 2003, All Rights Reserved.  
Copyright (c) 1996, 1998, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2013 Red Hat  
Copyright 2017 JetBrains s.r.o.  
Copyright (c) 2001, 2020, Oracle and/or its affiliates. All rights reserved DO NOT ALTER OR REMOVE  
Copyright (c) 2013, 2020, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2021, oracle and/or its affiliates. all rights reserved.  
Copyright (c) 2020, 2022, Red Hat Inc.  
Copyright 2009 SAP AG. All Rights Reserved.  
Copyright (c) IBM Corp. 2002-2013 - All Rights Reserved  
Copyright (c) 2008, 2011, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995-2017 Jean-loup Gailly For conditions of distribution and use, see  
Copyright 2004 The Apache Software Foundation.  
Copyright (c) 1994, 2023, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2018 Google Inc. All rights reserved.  
Copyright (c) 1998, 2014, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2000, 2010, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2009, 2012, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2005, 2023, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2008-2013, Stephen Colebourne & Michael Nascimento Santos  
Copyright (c) 1997, 2021, Oracle and/or its affiliates.  
Copyright (c) 1997, 2004, Oracle and/or its affiliates. All rights reserved.  
Copyright 2007, 2008, 2009, 2010, 2011 Red Hat, Inc.  
Copyright (c) IBM Corp. 1996-2003, All Rights Reserved  
Copyright (c) 2012, 2022, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2015, Red Hat Inc.  
Copyright (c) 2009, 2015, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2014, 2016, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2011, 2021, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2005, 2016, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) IBM Corp. 1998-2007 - All Rights Reserved  
Copyright 1995-2010 Mark Adler ; inflate 1.2.5  
checkcopyright `echo ${line} | grep Copyright (c) `  
Copyright (c) IBM Corp. 1993 - 1997 - All Rights Reserved  
Copyright (c) 2009, 2011, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2001, 2012, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2002, 2020, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2002, 2010, Oracle and/or its affiliates. All rights reserved.  
Copyright 2007, 2008 Red Hat, Inc.  
Copyright (c) 2001 freebxml.org. all rights reserved.  
Copyright (c) 2005, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2002, 2013, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2005, 2011, 2013 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998, 2001, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2021, 2022, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1994, 2008, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2011, 2023, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2004 Scott James Remnant <scott@netsplit.com>.  
Copyright (c) 1996-1997 Andreas Dilger  
Copyright (c) 2019, huawei technologies co. ltd. all rights reserved.  
Copyright (c) 2000, 2003, Oracle and/or its affiliates. All rights reserved.  
Copyright 1994 Hewlett-Packard Co.  
Copyright 2014 SAP AG. All rights reserved.  
Copyright (c) 2018 SAP SE. All rights reserved.  
Copyright 1999-2005 The Apache Software Foundation.  
Copyright (c) 2009, 2020, Oracle and/or its affiliates. All rights reserved.  
Copyright 2009 Goldman Sachs International. All Rights Reserved.  
Copyright (c) 2015 Red Hat, Inc.  
Copyright (c) 1999, 2020, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) IBM Corp. 1996 - 1998, All Rights Reserved  
Copyright (c) 2012, 2017, SAP SE. All rights reserved.  
Copyright (c) 2019, Google and/or its affiliates. All rights reserved.  
Copyright (c) 2014, Red Hat, Inc.  
Copyright (c) 2023, 2025, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2003, 2024, Oracle and/or its affiliates. All rights reserved.  
Copyright 2012 Red Hat, Inc. All Rights Reserved.  
Copyright (c) 1998, 2015, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2011-2012, Stephen Colebourne & Michael Nascimento Santos  
Copyright (c) 2001, 2007, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2013, Stephen Colebourne & Michael Nascimento Santos  
Copyright (c) 2008, 2014, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) IBM Corp. and others 1998 - 2013 - All Rights Reserved  
Copyright 2016 Google, Inc. All Rights Reserved.  
Copyright (c) 2021, Huawei Technologies Co., Ltd. All rights reserved.  
Copyright (c) 2001, 2006, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2015, 2021, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2013, 2019, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1994, 2000, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2008, 2015, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2017, Red Hat, Inc. All rights reserved.  
Copyright (c) 2008, 2012, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2019, Huawei Technologies Co. Ltd. All rights reserved.  
Copyright (c) 2016, 2022, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1997, 2015, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) IBM Corp. 1998-2003 - All Rights Reserved  
Copyright (c) 2010 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2010, 2018 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1994-2000 Netscape Communications Corporation. All Rights Reserved.  
Copyright (c) 1996, 2017, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2009-2012, Stephen Colebourne & Michael Nascimento Santos  
Copyright (c) 2001, 2018, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2005, 2019, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995-2024 Jean-loup Gailly detectdatatype() function provided freely by Cosmin Truta, 2006 For conditions of distribution and use, see  
Copyright (c) 2006, 2009, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995-2011, 2016 Mark Adler For conditions of distribution and use, see  
Copyright (c) 1999, 2021, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2019, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995 Colin Plumb. All rights reserved.  
copyright international business machines corp. 1997,1998,1999 rmi-iiop v1.0  
Copyright (c) IBM Corp. 2003 All Rights Reserved.  
Copyright (c) 1993, 1994, 1998 The Open Group  
Copyright (c) 2014, 2020, Red Hat Inc.  
Copyright (c) 1997, 2019, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2013, 2019, Red Hat Inc. All rights reserved.  
Copyright 2009 Red Hat, Inc.  
Copyright (c) 2012, Red Hat, Inc.  
Copyright (c) 2010, 2014, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2019, Red Hat, Inc. All rights reserved.  
Copyright 2013 SAP AG. All Rights Reserved.  
Copyright (c) 1995-2010 Mark Adler For conditions of distribution and use, see  
Copyright (c) 2004, 2015, Oracle and/or its affiliates. All rights reserved.  
Copyright 2004,2005 The Apache Software Foundation.  
Copyright (c) 2018, oracle and/or its affiliates. all rights reserved.  
Copyright (c) 1996 Netscape Communications Corporation. All rights reserved.  
Copyright (c) 1993 Oracle and/or its affilates. All rights reserved.  
Copyright (c) 1997, 2013, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2000, 2004, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2003, 2015, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2002, 2005, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995, 2013, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1994, 2011, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1997, 2008, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998, 2019, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2007, 2012, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2019, Red Hat Inc.  
Copyright (c) 2007, 2019, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1994-1996, Thomas G. Lane.  
Copyright (c) 2015, 2016 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) IBM Corp. 1998-2005 - All Rights Reserved  
Copyright (c) 1991, 1993, 1994 The Regents of the University of California. All rights reserved.  
Copyright (c) 2024, 2025, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2005, 2024, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1999-2002 The Apache Software Foundation. All rights reserved.  
Copyright (c) IBM Corp. 1996 - All Rights Reserved  
Copyright (c) 2024, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2002, 2017, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2018-2019 Cosmin Truta  
Copyright (c) 2006, 2022, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1997, 2007, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2010, 2019, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) IBM Corp. 1996, 1997 - All Rights Reserved  
Copyright (c) 1997, 2012, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2022, huawei technologies co., ltd. all rights reserved.  
Copyright (c) 2001 The Apache Software Foundation. All rights reserved.  
Copyright (c) 2004, 2018, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2015, 2019, oracle and/or its affiliates. all rights reserved.  
Copyright 2005 Sun Microsystems, Inc. All rights reserved.  
Copyright (c) 2001 freebxml.org. All rights reserved.  
Copyright (c) 1982 The Royal Institute, Thai Royal Government.  
Copyright 2007 Red Hat, Inc.  
Copyright (c) 1999, 2023, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2019, 2021, Red Hat, Inc.  
Copyright (c) 2004, 2024, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2019, SAP. All rights reserved.  
Copyright (c) 1999, 2012, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2002, 2004, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2002, 2007, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2005, 2011, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1999, 2009, Oracle andor its affiliates. All rights reserved.  
Copyright (c) 1995, 2007, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2001, 2018, oracle and/or its affiliates. all rights reserved.  
Copyright (c) 2006, 2010, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1999-2007, International Business Machines Corporation and others. All Rights Reserved.  
Copyright (c) 1991-2016 Unicode, Inc. All rights reserved.  
Copyright (c) 2005, 2017, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2014 Google Inc. All rights reserved.  
Copyright (c) 2015, 2019, Red Hat Inc.  
Copyright (c) 2004, 2012, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1997, 2016, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2009, 2010, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2000, 2023, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2009 Apple Inc. All rights reserved.  
Copyright (c) OASIS Open 2016-2019. All Rights Reserved.  
Copyright (c) 2015, Red Hat, Inc. All rights reserved.  
Copyright (c) 2000, 2016, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) IBM Corp. 1998-2010. All Rights Reserved.  
Copyright (c) 2012, 2013, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2013, oracle and/or its affiliates. all rights reserved.  
Copyright (c) 2000-2005 INRIA, France Telecom All rights reserved.  
Copyright (c) IBM Corp. 2000 All Rights Reserved.  
Copyright (c) 2004, 2016, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2014, 2018, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2020, huawei technologies co., ltd. all rights reserved.  
Copyright (c) 1999, 2002, Oracle and/or its affiliates. All rights reserved.  
Copyright ?? 1991-2012 Unicode, Inc. All rights reserved. Distributed under the  
Copyright (c) IBM Corp. 1998  
Copyright 1987, 1988 by the Student Information Processing Board of the Massachusetts Institute of Technology  
Copyright (c) 2001, 2004, Oracle and/or its affiliates. All rights reserved.  
Copyright 2007, 2008, 2009 Red Hat, Inc.  
Copyright (c) 1999, 2003, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2017 Instituto de Pesquisas Eldorado. All rights reserved.  
Copyright (c) 2000-2007 INRIA, France Telecom All rights reserved.  
Copyright (c) 2005, 2024, Oracle and/or its affiliates.  
Copyright (c) 1998-2002,2004,2006-2014,2016 Glenn Randers-Pehrson  
Copyright 2019 Azul Systems, Inc. All Rights Reserved.  
Copyright (c) 1997, 2023, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2010-2013, Stephen Colebourne & Michael Nascimento Santos  
Copyright (c) 2007,2008,2009,2010,2011 Mij <mij@bitchx.it>  
Copyright (c) 1994, 2006, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2000, 2001, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2004 by Internet Systems Consortium, Inc. (ISC)  
Copyright (c) 2018 sap se. all rights reserved.  
Copyright (c) 2012, 2019, SAP SE. All rights reserved.  
Copyright (c) 2005, 2012, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995-1996 Guy Eric Schalnat, Group 42, Inc.  
Copyright 2019 Amazon.com, Inc. or its affiliates. All Rights Reserved.  
Copyright (c) 2002, 2015, Oracle and/or its affiliates. All rights reserved.  
Copyright 2009 Google Inc. All Rights Reserved.  
Copyright (c) 2001, 2015, Oracle and/or its affiliates. All rights reserved.  
Copyright 2010 Google, Inc. All Rights Reserved.  
copyright 2010 sun microsystems, inc. all rights reserved. +  
Copyright (c) IBM Corp. 2004-2010 - All Rights Reserved  
Copyright (c) 2001 - 2005 freebxml.org. All rights reserved.  
Copyright 2014 Goldman Sachs.  
Copyright (c) 2004 World Wide Web Consortium,  
Copyright (c) 2000, 2008, Oracle and/or its affiliates. All rights reserved.  
Copyright 2000 <loc href http:www.w3.org/>World Wide Web National de Recherche en Informatique et en Automatique</loc>, <loc href http:www.keio.ac.jp/>Keio University</loc>). All Rights Reserved.  
Copyright (c) 1994, 2022, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998 netscape communications corporation. all rights reserved, specialstring  
Copyright (c) 2010, 2012, Oracle and/or its affiliates.  
Copyright (c) 1996, 2009, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1992-2009 Oracle and/or its affiliates, and Stanford University.  
Copyright (c) IBM Corp. 1998-2003 All Rights Reserved  
Copyright (c) 2004, 2005, 2010 Mark Adler For conditions of distribution and use, see  
Copyright IBM Corporation 1999. All rights reserved.  
Copyright (c) 2009, International Business Machines Corporation and others. All Rights Reserved.  
Copyright (c) 2001, 2010, Oracle and/or its affiliates.  
Copyright (c) 1999, 2001, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1996-2004, International Business Machines Corporation and others. All Rights Reserved.  
Copyright (c) 2015 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998 National Electronics and Computer Technology Center, National Science and Technology Development Agency, Ministry of Science Technology and Environment, Thai Royal Government.  
Copyright (c) 1995, 1998, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998, 2010, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1997, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2009-2010, International Business Machines Corporation and others. All Rights Reserved.  
Copyright (c) IBM Corp. 1999-2003, All Rights Reserved  
Copyright (c) 1997, 2001, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2006, 2017, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995-2010 International Business Machines Corporation and others  
Copyright (c) 2003, 2004, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995, 2010, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) IBM Corp and Others. 1998-2013 - All Rights Reserved  
Copyright (c) 1997, 1999, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) IBM Corp. 1999 All Rights Reserved.  
Copyright (c) 1997, 2012, Oracle and/or its affiliates.  
Copyright (c) 2009, 2013 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995-2022 Mark Adler For conditions of distribution and use, see  
Copyright (c) 2008, 2016, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) IBM Corp. 1998-2006 - All Rights Reserved  
Copyright (c) 2009, 2021, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998-2000 Glenn Randers-Pehrson, are derived from libpng-0.96, and are distributed according to the same disclaimer and license as libpng-0.96, with the following individuals added to the list of Contributing Authors  
Copyright 2002-2005 The Apache Software Foundation.  
Copyright (c) 2005, 2007, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1994-1998, Thomas G. Lane.  
Copyright (c) 2010, 2013 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2007, 2023, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2012, 2016, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2008-2018 The Khronos Group Inc.  
Copyright (c) 1995-2010 Jean-loup Gailly and Mark Adler For conditions of distribution and use, see  
Copyright 2011 SAP AG. All Rights Reserved.  
Copyright (c) 1995-2000 The Cryptix Foundation Limited.  
Copyright (c) 2001, 2023, Oracle and/or its affiliates. All rights reserved.  
Copyright 2015 SAP AG. All rights reserved.  
Copyright 2010 Google Inc. All Rights Reserved.  
Copyright (c) 2019 JetBrains s.r.o.  
Copyright (c) 2010, 2013, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2003, 2011, Oracle and/or its affiliates.  
Copyright (c) 2005, 2010, Oracle and/or its affiliates.  
Copyright (c) 1990, 1993 The Regents of the University of California. All rights reserved.  
Copyright 2000-2002,2004,2005 The Apache Software Foundation.  
Copyright (c) IBM Corp. 2003 - All Rights Reserved  
Copyright (c) 1992-1997, Thomas G. Lane.  
Copyright (c) 2021, Amazon.com, Inc. or its affiliates. All rights reserved.  
Copyright (c) 1995-2006, 2010 Jean-loup Gailly.  
Copyright (c) 1999, 2005, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2016, 2021, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2002 Graz University of Technology. All rights reserved.  
Copyright (c) 2008, 2019, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) Kohsuke Kawaguchi  
Copyright (c) 2012, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2011, 2020, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2014, Stephen Colebourne & Michael Nascimento Santos  
Copyright (c) 1995-1996 Jean-loup Gailly and Mark Adler  
Copyright (c) 2006, 2011, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995-2010 Jean-loup Gailly detectdatatype() function provided freely by Cosmin Truta, 2006 For conditions of distribution and use, see  
Copyright (c) 2000-2002, 2004, 2006-2018 Glenn Randers-Pehrson.  
Copyright (c) 2017, 2018, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2004, 2018 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2005, 2006, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2019 Red Hat, Inc.  
Copyright 2011 Red Hat, Inc.  
Copyright (c) 1993, 1994 X Consortium  
Copyright (c) 1995, 2005, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998-2008, International Business Machines Corporation and others. All Rights Reserved.  
Copyright (c) 1998 International Business Machines.  
Copyright (c) 2001, 2014, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1999, 2010, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2020, Azul Systems, Inc. All Rights Reserved.  
Copyright (c) 1999, 2016, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2001, 2020, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2001, 2019, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2004, 2010, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2008, 2013, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2004, 2014, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998, 2002, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1999-2003 David Corcoran <corcoran@musclecard.com>  
Copyright (c) 2004, 2007, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2011, 2022, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1993 by Digital Equipment Corporation.  
Copyright (c) 2002, 2024, Oracle and/or its affiliates. All rights reserved.  
Copyright 2015 SAP AG. All Rights Reserved.  
Copyright (c) 2020, huawei technologies co. ltd. all rights reserved.  
Copyright 2003 Sun Microsystems, Inc.  
Copyright (c) 2007, 2013, Oracle andor its affiliates. All rights reserved.  
Copyright (c) 1994, 1996, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1996-1997 Andreas Dilger PNGSTRINGNEWLINE  
Copyright (c) 2010, 2020, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998, 2017, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2011, Oracle and/or its affiliates. All rights reserved.  
Copyright 1996-2015 by Scott Hudson, Frank Flannery, C. Scott Ananian, Michael Petter  
Copyright (c) 2013, 2022, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2018 Cosmin Truta  
Copyright (c) 2008, 2018, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1995, 2004, Oracle and/or its affiliates. All rights reserved.  
Copyright 2001, 2002,2004 The Apache Software Foundation.  
Copyright (c) 2012, Stephen Colebourne & Michael Nascimento Santos  
Copyright (c) 2003-2014 Ludovic Rousseau  
Copyright (c) 2013, 2024, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1998-2002,2004,2006-2017 Glenn Randers-Pehrson  
Copyright (c) 2009, 2017, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2003, 2016, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2012, 2015 Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1997, 1998, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1993, 1994, 1998 The Open Group.  
Copyright (c) 1999, 2014, Oracle and/or its affiliates. All rights reserved.  
Copyright 2001-2005 The Apache Software Foundation.  
Copyright (c) IBM Corp. 2002-2008 - All Rights Reserved  
Copyright (c) 1995, 2008, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2008,2012, Stephen Colebourne & Michael Nascimento Santos  
Copyright 2003-2005 The Apache Software Foundation.  
Copyright>&194; Sun Microsystems, Inc, 2003<  
Copyright 2009 Google, Inc. All Rights Reserved.  
Copyright (c) 2001, 2003, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2000, 2011, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2009, Red Hat Inc.  
Copyright (c) 2001, 2017, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1994-1999 RSA Security Inc. Licence to copy this document is granted provided that it is identified as RSA Security In.c Public-Key Cryptography Standards (PKCS) in all material mentioning or referencing this document.  
Copyright (c) 2013 - 2018 The Khronos Group Inc.  
Copyright (c) 1998-2002,2004,2006-2016,2018 Glenn Randers-Pehrson  
Copyright (c) 1998-2010, International Business Machines Corporation and others. All Rights Reserved.  
Copyright (c) 1995-2007 Mark Adler For conditions of distribution and use, see  
Copyright (c) 1988 AT&T All Rights Reserved  
Copyright (c) 2003, 2010, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2011, 2019, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 1994, 2010, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2000, 2019, Oracle and/or its affiliates. All rights reserved.  
Copyright (c) 2016 Red Hat Inc.  
Copyright (c) 2018, 2020 Oracle and/or its affiliates. All rights reserved.

**License:** ASL 1.1 and ASL 2.0 and BSD and BSD with advertising and GPL+ and GPLv2 and GPLv2 with exceptions and IJG and LGPLv2+ and MIT and MPLv2.0 and Public Domain and W3C and zlib

Apache License 1.1  
  
Copyright (c) 2000 The Apache Software Foundation. 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. The end-user documentation included with the redistribution, if any, must include the following acknowledgment:  
"This product includes software developed by the Apache Software Foundation (http://www.apache.org/)."  
Alternately, this acknowledgment may appear in the software itself, if and wherever such third-party acknowledgments normally appear.  
4. The name "Apache" and "Apache Software Foundation" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact apache@apache.org.  
5. Products derived from this software may not be called "Apache" [ex. "Jakarta," "Apache," or "Apache Commons,"] nor may "Apache" [ex. the names] appear in their name, without prior written permission of the Apache Software Foundation.  
THIS SOFTWARE IS PROVIDED ''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 APACHE SOFTWARE FOUNDATION 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 software consists of voluntary contributions made by many individuals on behalf of the Apache Software Foundation. For more information on the Apache Software Foundation, please see http://www.apache.org/. Portions of this software are based upon public domain software originally written at the National Center for Supercomputing Applications, University of Illinois, Urbana-Champaign.  
  
  
 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:  
  
 (a) You must give any other recipients of the Work or  
 Derivative Works a copy of this License; and  
  
 (b) You must cause any modified files to carry prominent notices  
 stating that You changed the files; and  
  
 (c) 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  
  
 (d) 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  
 PARTICULAR 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.  
  
 END OF TERMS AND CONDITIONS  
  
 APPENDIX: How to apply the Apache License to your work.  
  
 To apply the Apache License to your work, attach the following  
 boilerplate notice, with the fields enclosed by brackets "[]"  
 replaced with your own identifying information. (Don't include  
 the brackets!) The text should be enclosed in the appropriate  
 comment syntax for the file format. We also recommend that a  
 file or class name and description of purpose be included on the  
 same "printed page" as the copyright notice for easier  
 identification within third-party archives.  
  
 Copyright [yyyy] [name of copyright owner]  
  
 Licensed under the Apache License, Version 2.0 (the "License");  
 you may not use this file except in compliance with the License.  
 You may obtain a copy of the License at  
  
 http://www.apache.org/licenses/LICENSE-2.0  
  
 Unless required by applicable law or agreed to in writing, software  
 distributed under the License is distributed on an "AS IS" BASIS,  
 WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.  
 See the License for the specific language governing permissions and  
 limitations under the License.  
  
BSD Zero Clause License  
Copyright (C) 2006 by Rob Landley <rob@landley.net>  
  
Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted.  
  
THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.  
  
  
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.  
4.Redistributions of any form whatsoever must retain the following acknowledgment: 'This product includes software developed by the"Universidad de Palermo, Argentina"(http://www.palermo.edu/).'  
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.  
  
GNU GENERAL PUBLIC LICENSE  
Version 1, February 1989  
  
Copyright (C) 1989 Free Software Foundation, Inc. 51 Franklin St, 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.  
  
Preamble  
  
The license agreements of most software companies try to keep users at the mercy of those companies. By contrast, our General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. The General Public License applies to the Free Software Foundation's software and to any other program whose authors commit to using it. You can use it for your programs, too.  
  
When we speak of free software, we are referring to freedom, not price. Specifically, the General Public License is designed to make sure that you have the freedom to give away or sell copies of free software, 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 software, or if you modify it.  
  
For example, if you distribute copies of a such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must tell them their rights.  
  
We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.  
  
Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.  
  
The precise terms and conditions for copying, distribution and modification follow.  
  
GNU GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION  
  
0. This License Agreement applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any work containing the Program or a portion of it, either verbatim or with modifications. Each licensee is addressed as "you".  
1. You may copy and distribute verbatim copies of the Program's 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 General Public License and to the absence of any warranty; and give any other recipients of the Program a copy of this General Public License along with the Program. You may charge a fee for the physical act of transferring a copy.  
2. You may modify your copy or copies of the Program or any portion of it, and copy and distribute such modifications under the terms of Paragraph 1 above, provided that you also do the following:  
a) cause the modified files to carry prominent notices stating that you changed the files and the date of any change; and  
b) cause the whole of any work that you distribute or publish, that in whole or in part contains the Program or any part thereof, either with or without modifications, to be licensed at no charge to all third parties under the terms of this General Public License (except that you may choose to grant warranty protection to some or all third parties, at your option).  
c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the simplest and most usual way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this General Public License.  
d) 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.  
Mere aggregation of another independent work with the Program (or its derivative) on a volume of a storage or distribution medium does not bring the other work under the scope of these terms.  
  
3. You may copy and distribute the Program (or a portion or derivative of it, under Paragraph 2) in object code or executable form under the terms of Paragraphs 1 and 2 above provided that you also do one of the following:  
a) accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Paragraphs 1 and 2 above; or,  
b) accompany it with a written offer, valid for at least three years, to give any third party free (except for a nominal charge for the cost of distribution) a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Paragraphs 1 and 2 above; or,  
c) accompany it with the information you received as to where the corresponding source code may be obtained. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form alone.)  
Source code for a work means the preferred form of the work for making modifications to it. For an executable file, complete source code means all the source code for all modules it contains; but, as a special exception, it need not include source code for modules which are standard libraries that accompany the operating system on which the executable file runs, or for standard header files or definitions files that accompany that operating system.  
  
4. You may not copy, modify, sublicense, distribute or transfer the Program except as expressly provided under this General Public License. Any attempt otherwise to copy, modify, sublicense, distribute or transfer the Program is void, and will automatically terminate your rights to use the Program under this License. However, parties who have received copies, or rights to use copies, from you under this General Public License will not have their licenses terminated so long as such parties remain in full compliance.  
5. By copying, distributing or modifying the Program (or any work based on the Program) you indicate your acceptance of this license to do so, and all its terms and conditions.  
6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein.  
7. The Free Software Foundation may publish revised and/or new versions of the 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 Program specifies a version number of the 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 Program does not specify a version number of the license, you may choose any version ever published by the Free Software Foundation.  
  
8. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, 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  
  
9.  
BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "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 PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.  
  
10. 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 PROGRAM 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 PROGRAM (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 PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.  
END OF TERMS AND CONDITIONS  
  
Appendix: How to Apply These Terms to Your New Programs  
  
If you develop a new program, and you want it to be of the greatest possible use to humanity, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.  
  
To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.  
  
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) 19yy <name of author>  
  
This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version.  
  
This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.  
  
You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.  
  
Also add information on how to contact you by electronic and paper mail.  
  
If the program is interactive, make it output a short notice like this when it starts in an interactive mode:  
  
Gnomovision version 69, Copyright (C) 19xx name of author Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.  
  
The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.  
  
You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here a sample; alter the names:  
  
Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (a program to direct compilers to make passes at assemblers) written by James Hacker.  
  
<signature of Ty Coon>, 1 April 1989 Ty Coon, President of Vice  
  
That's all there is to it!  
  
GNU GENERAL PUBLIC LICENSE  
Version 2, June 1991  
  
Copyright (C) 1989, 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.  
  
Preamble  
  
The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, 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 software, or if you modify it.  
  
For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.  
  
We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.  
  
Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, 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 redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.  
  
The precise terms and conditions for copying, distribution and modification follow.  
  
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION  
  
0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".  
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.  
  
1. You may copy and distribute verbatim copies of the Program's 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 give any other recipients of the Program a copy of this License along with the Program.  
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 Program or any portion of it, thus forming a work based on the Program, 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) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.  
b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.  
c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)  
These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, 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 Program, 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 Program.  
  
In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.  
  
3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:  
a) 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; or,  
b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,  
c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)  
The source code for a work means the preferred form of the work for making modifications to it. For an executable work, 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 executable. 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.  
  
If distribution of executable or 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 counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.  
  
4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program 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.  
5. 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 Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.  
6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program 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.  
7. 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 Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program 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 Program.  
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.  
  
8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program 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.  
9. The Free Software Foundation may publish revised and/or new versions of the 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 Program 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 Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.  
  
10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, 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  
  
11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "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 PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.  
12. 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 PROGRAM 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 PROGRAM (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 PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.  
END OF TERMS AND CONDITIONS  
  
How to Apply These Terms to Your New Programs  
  
If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.  
  
To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.  
  
<one line to give the program's name and an idea of what it does.>   
Copyright (C) <yyyy> <name of author>  
  
This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.  
  
This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.  
  
You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.  
  
Also add information on how to contact you by electronic and paper mail.  
  
If the program is interactive, make it output a short notice like this when it starts in an interactive mode:  
  
Gnomovision version 69, Copyright (C) year name of author Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.  
  
The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.  
  
You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:  
  
Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.  
  
<signature of Ty Coon>, 1 April 1989 Ty Coon, President of Vice  
  
This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.  
  
insert GPL v2 license text here  
  
Class Path Exception  
  
Linking this library statically or dynamically with other modules is making a combined work based on this library. Thus, the terms and conditions of the GNU General Public License cover the whole combination.  
  
As a special exception, the copyright holders of this library give you permission to link this library with independent modules to produce an executable, regardless of the license terms of these independent modules, and to copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version.  
  
Standard License Header  
There is no standard license header for the license  
  
Independent JPEG Group License  
  
LEGAL ISSUES  
  
In plain English:  
  
In legalese:  
  
The authors make NO WARRANTY or representation, either express or implied, with respect to this software, its quality, accuracy, merchantability, or fitness for a particular purpose. This software is provided "AS IS", and you, its user, assume the entire risk as to its quality and accuracy.  
  
This software is copyright (C) 1991-1998, Thomas G. Lane. All Rights Reserved except as specified below.  
  
Permission is hereby granted to use, copy, modify, and distribute this software (or portions thereof) for any purpose, without fee, subject to these conditions:  
  
(1) If any part of the source code for this software is distributed, then this README file must be included, with this copyright and no-warranty notice unaltered; and any additions, deletions, or changes to the original files must be clearly indicated in accompanying documentation.  
  
(2) If only executable code is distributed, then the accompanying documentation must state that "this software is based in part on the work of the Independent JPEG Group".  
  
(3) Permission for use of this software is granted only if the user accepts full responsibility for any undesirable consequences; the authors accept NO LIABILITY for damages of any kind.  
  
These conditions apply to any software derived from or based on the IJG code, not just to the unmodified library. If you use our work, you ought to acknowledge us.  
  
Permission is NOT granted for the use of any IJG author's name or company name in advertising or publicity relating to this software or products derived from it. This software may be referred to only as "the Independent JPEG Group's software".  
  
We specifically permit and encourage the use of this software as the basis of commercial products, provided that all warranty or liability claims are assumed by the product vendor.  
  
ansi2knr.c is included in this distribution by permission of L. Peter Deutsch, sole proprietor of its copyright holder, Aladdin Enterprises of Menlo Park, CA. ansi2knr.c is NOT covered by the above copyright and conditions, but instead by the usual distribution terms of the Free Software Foundation; principally, that you must include source code if you redistribute it. (See the file ansi2knr.c for full details.) However, since ansi2knr.c is not needed as part of any program generated from the IJG code, this does not limit you more than the foregoing paragraphs do.  
  
The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.  
  
It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.  
  
The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.  
  
We are required to state that "The Graphics Interchange Format(c) is the Copyright property of CompuServe Incorporated. GIF(sm) is a Service Mark property of CompuServe Incorporated."  
  
  
GNU LIBRARY GENERAL PUBLIC LICENSE  
  
Version 2, June 1991  
  
Copyright (C) 1991 Free Software Foundation, Inc.  
51 Franklin St, 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.  
  
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION  
  
0. 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.  
  
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 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 side-by-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.  
END OF TERMS AND CONDITIONS  
  
How to Apply These Terms to Your New Libraries  
  
If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).  
  
To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.  
  
one line to give the library's name and an idea of what it does.  
Copyright (C) year name of author  
  
This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.  
  
This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.  
  
You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA.  
  
Also add information on how to contact you by electronic and paper mail.  
  
You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:  
  
Yoyodyne, Inc., hereby disclaims all copyright interest in  
the library `Frob' (a library for tweaking knobs) written  
by James Random Hacker.  
  
signature of Ty Coon, 1 April 1990  
Ty Coon, President of Vice  
  
That's all there is to it!  
  
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 (including the next paragraph) 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.  
  
  
﻿Mozilla Public License  
Version 2.0  
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  
  
that the initial Contributor has attached the notice described in Exhibit B to the Covered Software; or  
  
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:  
  
any file in Source Code Form that results from an addition to, deletion from, or modification of the contents of Covered Software; or  
  
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.  
  
2. License Grants and Conditions  
2.1. Grants  
Each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:  
  
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  
  
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.  
  
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.  
  
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:  
  
for any code that a Contributor has removed from Covered Software; or  
  
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  
  
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).  
  
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).  
  
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.  
  
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.  
  
2.7. Conditions  
Sections 3.1, 3.2, 3.3, and 3.4 are conditions of the licenses granted in Section 2.1.  
  
3. Responsibilities  
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.  
  
3.2. Distribution of Executable Form  
If You distribute Covered Software in Executable Form then:  
  
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  
  
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.  
  
3.3. 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).  
  
3.4. 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.  
  
3.5. 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.  
  
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.  
  
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.  
  
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.  
  
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.  
  
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.  
  
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.  
  
10. Versions of the License  
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.  
  
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.  
  
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).  
  
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.  
  
Exhibit A - Source Code Form License Notice  
This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at https://mozilla.org/MPL/2.0/.  
  
If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.  
  
You may add additional accurate notices of copyright ownership.  
  
Exhibit B - “Incompatible With Secondary Licenses” Notice  
This Source Code Form is “Incompatible With Secondary Licenses”, as defined by the Mozilla Public License, v. 2.0.  
  
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.  
  
W3C SOFTWARE NOTICE AND LICENSE  
  
Notes  
  
This version: http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231  
  
This formulation of W3C's notice and license became active on December 31 2002. This version removes the copyright ownership notice such that this license can be used with materials other than those owned by the W3C, reflects that ERCIM is now a host of the W3C, includes references to this specific dated version of the license, and removes the ambiguous grant of "use". Otherwise, this version is the same as the previous version and is written so as to preserve the Free Software Foundation's assessment of GPL compatibility and OSI's certification under the Open Source Definition.  
  
This work (and included software, documentation such as READMEs, or other related items) is being provided by the copyright holders under the following license.  
  
License  
  
By obtaining, using and/or copying this work, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions.  
  
Permission to copy, modify, and distribute this software and its documentation, with or without modification, for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the software and documentation or portions thereof, including modifications:  
  
The full text of this NOTICE in a location viewable to users of the redistributed or derivative work.  
  
Any pre-existing intellectual property disclaimers, notices, or terms and conditions. If none exist, the W3C Software Short Notice should be included (hypertext is preferred, text is permitted) within the body of any redistributed or derivative code.  
  
Notice of any changes or modifications to the files, including the date changes were made. (We recommend you provide URIs to the location from which the code is derived.)  
  
Disclaimers  
  
THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.  
  
COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION.  
  
The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to the software without specific, written prior permission. Title to copyright in this software and any associated documentation will at all times remain with copyright holders.  
  
  
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:  
  
1. 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.

**Written Offer**

This openEuler distribution may contain certain software whose rights holders license it on the terms of the GNU General Public License, version 2 (GPLv2) or other open source software licenses which require us to release corresponding source code. We will provide you and any third party with corresponding source code required under applicable open source software license through the repository: https://gitee.com/src-openeuler/. You can access and obtain corresponding source code by searching the aforementioned repository using package name and tag.

This offer is valid to anyone in receipt of this information.

**THIS OFFER IS VALID FOR THREE YEARS FROM THE MOMENT WE DISTRIBUTED THIS OPENEULER DISTRIBUTION .**