ORACLE
PeopleSoft

Licensing Information User Manual for PeopleSoft PeopleTools 8.58

December 2019

ORACLE

Licensing Information User Manual for PeopleSoft PeopleTools 8.58
Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.

Contents

Chapter 1: Introduction **5**
Licensing Introduction 5
Covered Products and Releases 5
Chapter 2: PeopleSoft PeopleTools 8.58 Licensing **7**
PeopleSoft PeopleTools 8.58 Licensing Information 7
PeopleTools 8.58 Product Editions and Permitted Features 7
PeopleTools 8.58 Prerequisites, Entitled Products, and Restricted Use Licenses 7
PeopleTools 8.58 Third-Party Notices and/or Licenses 12
Commercial Software Included with PeopleTools 8.58 12
Open Source or Other Separately Licensed Software Included with PeopleTools 8.58 15
Appendix A: Commercial Software License Text **37**
Adobe Acrobat SDK License 37
Appendix B: Open Source Software License Text **45**
Apache License, Version 1.1 45
Apache License, Version 2.0 46
BSD 2-Clause License 53
BSD 3-Clause License 53
BSD 3-Clause License (With Google Inc Reference) 54
Castor License 55
Code Project Open 1.02 License 56
Commons Compress Fourth-Party Licenses 60
Commons Digester Fourth-Party Licenses 62
cx_Oracle License 62
Eclipse Distribution License, Version 1.0 64
Eclipse Public License, Version 2.0 64
Elasticsearch Fourth-Party Licenses 72
GNU General Public License, Version 2 87
GNU Lesser General Public License, Version 2.1 97
GNU Lesser General Public License, Version 3 111
Gson License 116
Guava Fourth-Party Licenses 125
HdrHistogram License 128
HttpComponents HTTP Client Fourth-Party Licenses 129
idna License 130
ISC License 131
Java Mail Fourth-Party Licenses 131
jCrop Fourth-Party Licenses 136
JNA License 143
JSch License 143
json License 145
jsoup License 146
jTidy License 146
Kibana Fourth-Party Licenses 147
language-detector Fourth-Party Licenses 221
Libcurl License 223
Libssh2 License 224

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Logstash Fourth-Party Licenses....225
MIT License....231
Mouse License....232
Mozilla Public License, Version 2.0....232
OpenSSL License....243
Oracle oci-cli License....246
Oracle oci-java-sdk License....266
OWASP Java HTML Sanitizer License....372
Pluto Fourth-Party Licenses....373
POI Fourth-Party Licenses....376
Python License....389
pywinrm Fourth-Party Licenses....421
Raphael Fourth-Party Licenses....427
rfc4122 License....433
Ruby License....434
Sarissa License....449
Scintilla License....456
SLF4J Fourth-Party Licenses....457
smack-core Copyrights and Fourth-Party Licenses....457
smack-im Copyrights and Fourth-Party Licenses....468
smack-resolver-dnsjava Copyrights and Fourth-Party Licenses....471
smack-resolver-minidns Copyrights and Fourth-Party Licenses....473
smack-tcp Copyrights and Fourth-Party Licenses....474
terraform-provider-oci License....476
Terraform Fourth-Party Licenses....480
Tika Fourth-Party Licenses....488
Unlicense License....526
urllib3 Fourth-Party Licences....526
WSS4J Fourth-Party Licenses....529
Zlib Data Compression Library License....536
Appendix C: Licensing Information for Other Oracle Products....537
Oracle Tuxedo Third-Party Notices and/or Licenses....537
Oracle Tuxedo Prerequisites, Entitled Products, and Restricted Use Licenses....537
Open Source Software Included with Oracle Tuxedo....539
Net-SNMP License....540
Oracle WebLogic Server Enterprise Edition Third-Party Notices and/or Licenses....544
Open Source Software Included with Oracle WebLogic Server Enterprise Edition....544
Apache Derby License....552
ASM 4 License....553
Attribution 2.5 License....553
DOM License....557
Eclipse Persistence Services Project (EclipseLink) 260 License....557
Eclipse Public License....558
jboss License....561
Jython License....568
Netscape LDAP License....571
Oasis WS-Security 1 XML Schema License....572
Serp License....574
xhtml License....575
Appendix D: Additional Java Information....577
Java SE 8 Third Party License Readme....577

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Chapter 1

Introduction

Licensing Introduction

This Licensing Information document is a part of the product or program documentation under the terms of your Oracle license agreement and is intended to help you understand the program editions, entitlements, restrictions, prerequisites, special license rights, and/or separately licensed third party technology terms associated with the Oracle software program(s) covered by this document (the "Program(s)"). Entitled or restricted use products or components identified in this document that are not provided with the particular Program may be obtained from the Oracle Software Delivery Cloud website (https://edelivery.oracle.com) or from media Oracle may provide. If you have a question about your license rights and obligations, please contact your Oracle sales representative, review the information provided in Oracle's Software Investment Guide (http://www.oracle.com/us/corporate/pricing/software-investment-guide/index.html), and/or contact the applicable Oracle License Management Services representative listed on http://www.oracle.com/us/corporate/license-management-services/index.html.

Covered Products and Releases

This document covers Oracle's PeopleSoft PeopleTools 8.58 when you purchase a separate license for PeopleTools as a standalone product (not the restricted use license included with PeopleSoft applications). If you have *not* purchased a separate license for PeopleTools as a standalone product, see the "PeopleTools 8.58 Licensing Information" section in the *Licensing Information User Manual* for your PeopleSoft applications (such as PeopleSoft Human Capital Management).

Note: For previous PeopleTools releases, see the document titled *Licensing Notes for Oracle's PeopleTools* for your release, located on Oracle Technology Network (OTN).

Related Links

PeopleTools 8.58 Product Editions and Permitted Features

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Chapter 2

PeopleSoft PeopleTools 8.58 Licensing

PeopleSoft PeopleTools 8.58 Licensing Information

PeopleTools 8.58 Product Editions and Permitted Features

When you license any PeopleSoft application, you automatically receive a restricted use license to PeopleSoft PeopleTools, as described in the licensing information for your PeopleSoft application.

Should you choose to purchase a separate license for PeopleSoft PeopleTools as a standalone product (in addition to the restricted use license included with PeopleSoft applications), the following editions are available:

- PeopleTools - Enterprise Development

  Notwithstanding anything in the applicable license agreement to the contrary, PeopleTools - Enterprise Development shall be used solely to develop applications for internal data processing operations. In no event shall the customer market or distribute such applications.

- PeopleTools - Enterprise Development Starter Kit

  Notwithstanding anything in the applicable license agreement to the contrary, PeopleTools - Enterprise Development Starter Kit shall be used solely by 5 named users to develop applications containing no more than a total of 20 components (as defined in the program documentation) for your internal data processing operations. In no event shall you market or distribute such applications.

PeopleTools 8.58 Prerequisites, Entitled Products, and Restricted Use Licenses

Product	***Subproduct or Functional Area***	***Licensing Information***
PeopleSoft PeopleTools	Application Server	**Entitled Products and Restricted Use Licenses** The Oracle Tuxedo license included with PeopleTools is a restricted use license that may only be used to run PeopleSoft applications. The use of this Tuxedo license outside of the scope of PeopleSoft applications is not permitted. Also see Oracle Tuxedo Third-Party Notices and/or Licenses.
PeopleSoft PeopleTools	Application Server, Batch Server and Tools Clients	**Entitled Products and Restricted Use Licenses** Oracle's Java Platform Standard Edition (Java SE) is included with PeopleTools and is intended only for use in conjunction with running PeopleSoft applications. If you use Java SE in any other way or if you use a different version of Java SE than that provided with PeopleTools, your use of Java SE is subject to the terms set forth at http://www.oracle.com/technetwork/java/javase/terms/license. Also see the third-party licenses in the Java SE 8 Third Party License Readme.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Product	*Subproduct or Functional Area*	*Licensing Information*
PeopleSoft PeopleTools	Cloud Manager	**Prerequisite Products** PeopleSoft Cloud Manager creates and maintains PeopleSoft environments on Oracle Cloud. For a customer to deploy and use PeopleSoft Cloud Manager, an Oracle Cloud Infrastructure as a Service (Oracle Cloud IaaS) subscription with sufficient capacity is required. A customer using PeopleSoft Cloud Manager is required to have separately purchased licenses for all of the PeopleSoft application products that will be installed/managed by PeopleSoft Cloud Manager for Oracle Cloud. To run PeopleSoft COBOL modules on Oracle Cloud, the customer is required to separately purchase a license for the Microfocus COBOL Server Express for Linux Compiler product. All PeopleSoft environments provisioned by the PeopleSoft Cloud Manager for Oracle Cloud will require the Oracle Database. Customers may choose a subscription to Oracle Database Cloud Service (DBCS) or Oracle Database Exadata Cloud Service (Exadata Service) to obtain a database license to run their PeopleSoft applications. For development and test environments, a database license may be purchased to use with a PeopleSoft database running on Oracle Cloud IaaS. Customers using PeopleSoft Cloud Manager to deploy PeopleSoft production environments are required to use either a DBCS or Exadata Service subscription for the provisioned database(s). PeopleSoft Cloud Manager can enable the monitoring of PeopleSoft environments on Oracle Cloud through Oracle Enterprise Manager, hosted on-premises. Customers using this monitoring feature must separately purchase licenses for the following products: • Oracle Enterprise Manager • Oracle Hybrid Agent • Oracle Application Management Pack for PeopleSoft This Oracle software product includes the Oracle Database Cloud Backup Module (“ODCBM”). A license to Oracle Database Backup Cloud Service is a prerequisite to use ODCBM. **Entitled Products and Restricted Use Licenses** As a licensee of PeopleTools, you are entitled to install and configure the PeopleSoft Cloud Manager within Oracle Cloud. The Cloud Manager is an application that can be obtained from Oracle Cloud Marketplace. Cloud Manager ships on top of a PeopleSoft Interaction Hub database; however only Cloud Manager functionality is supported from the PeopleSoft Cloud Manager installation from Oracle Cloud Marketplace. PeopleSoft Interaction Hub functionality is not supported from the Cloud Manager installation. For PeopleSoft Interaction Hub functionality, please separately download and install the PeopleSoft Interaction Hub product. PeopleSoft Cloud Manager requires the use of Oracle Database 12c. As a licensee of PeopleTools, you are granted a restricted use license of Oracle Database Standard Edition 2 for the sole purpose of running PeopleSoft Cloud Manager on Oracle Cloud Infrastructure as a Service (Oracle Cloud IaaS).
PeopleSoft PeopleTools	Cube Builder	**Prerequisite Products** Oracle Hyperion Essbase is shipped separately from PeopleTools (there are separate licensing components for the integration and the end-user product).

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Product	*Subproduct or Functional Area*	*Licensing Information*
PeopleSoft PeopleTools	Database Server	**Prerequisite Products** PeopleTools supports and provides integration with Oracle Transparent Database Encryption (TDE) technology. TDE is a separately licensed product. TDE is bundled with Oracle Advanced Security Options (ASO).
PeopleSoft PeopleTools	MultiChannel Framework	**Prerequisite Products** If you are using a Cisco Computer Telephony Integration (CTI) system with the PeopleSoft CTI Java applet console, the assumption is that you already have a functioning and appropriately licensed Cisco system configured at your site. The Cisco Java API is shipped as part of the CTI applet; however, no other Cisco products are shipped with the PeopleSoft system. If you use Cisco CTI, you need a Cisco ICM Central Controller Server installed and configured before you begin installing your PeopleSoft CTI system. Your PeopleSoft application may require an IVR supported by Cisco and capable of passing call data to Cisco. This enables CTI components to attach data to incoming calls. For detailed information about specific PeopleSoft-supported versions, refer to My Oracle Support in the certifications area.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Product	*Subproduct or Functional Area*	*Licensing Information*
PeopleSoft PeopleTools	PeopleSoft Interaction Hub	**Entitled Products and Restricted Use Licenses** As a licensee of PeopleTools, you are entitled to install and configure a PeopleSoft Interaction Hub database and use the following restricted set of PeopleSoft Interaction Hub capabilities: • User Experience Capabilities • Unified Navigation Framework – A common navigation interface for multiple PeopleSoft applications: The Unified Navigation Framework federates all PeopleSoft application nodes in one common menu so users can access features of multiple PeopleSoft applications from a single system menu. The Unified Navigation WorkCenter is provided to manage and configure PeopleSoft unified navigation. • PeopleSoft Interaction Hub Branding Framework - Facilitates branding across the entire PeopleSoft application infrastructure. • Email and Calendar Integration – The delivered pagelets can be used anywhere in the system. • Unified worklists and tasks. • Collaborative Capabilities • Use of Collaborative Workspaces including all delivered Workspace modules. Consuming the Workspace modules data anywhere in the system via pagelets or related services. • Related Content services – Discussions, Tags and Links – in any PeopleSoft application transaction. The use of any PeopleSoft Interaction Hub capabilities not listed above requires the purchase of an unrestricted license. As a licensee of PeopleTools, you are authorized to use the following basic “portal” functions included within the base PeopleTools product: • Personalize and customize the application homepage. • Create homepage tabs in the PeopleTools database. • Use the PeopleSoft Pagelet Wizard to create pagelets and publish them as WSRP portlets. • Consume pagelets between PeopleSoft applications. • Publish PeopleSoft component, iScript, and generic URL data as WSRP portlets. • Consume WSRP or JSR168 content from non-PeopleSoft applications or web sites if licensed by the third-party to do so. You can easily extend an Application Portal Pack by creating additional pagelets and navigation pages using the portal capabilities included in PeopleTools.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Product	*Subproduct or Functional Area*	*Licensing Information*
PeopleSoft PeopleTools	PeopleSoft Interaction Hub—Demo Database	**Entitled Products and Restricted Use Licenses** ***Third Party Images Provided with Sample Data*** This Oracle software product includes sample images from Corbis Corporation (Corbis) and Getty Images (Getty) that are provided for Oracle's demonstration purposes only. The images and their respective owners are listed in the PeopleSoft Portal Solutions 9.1 documentation for *PeopleSoft Interaction Hub: Portal and Site Administration,* "Getting Started with PeopleSoft Interaction Hub," Using Third Party Images Provided with Sample Data. You do NOT receive a license to use the images under your agreement with Oracle. If you wish to use the images you must separately license them from Corbis or Getty, pursuant to the contact information listed below. Access the PDF documentation from the Oracle Technology Network at http://www.oracle.com/technetwork/documentation/psftent-090284.html, scroll down to the Portal Solutions – English section. Click the View Library link next to "PeopleSoft Portal Solutions 9.1 PeopleBooks - Revision 3 Online Documentation." Click the PeopleSoft Interaction Hub 9.1: Portal and Site Administration link. Within the PDF file, navigate to Chapter 1, "Getting Started with PeopleSoft Interaction Hub," Using Third Party Images Provided with Sample Data. To access the HTML version of this documentation, see http://docs.oracle.com/cd/E57068_01/ps91pbr5/eng/ps/psad/concept_UsingThird-PartyImagesProvidedWithSampleData.html#topofpage. Corbis and Getty Contact Information Corbis website: Corbis.com website: Veer.com Customer Service, Support, and Purchasing phone: +1.800.260.0444 e-mail: sales@corbis.com Getty Getty website: Gettyimages.com Getty website: Gettyimages.com Customer Service, Support, and Purchasing phone: +1.323.202.4070 e-mail: customersupport.west@gettyimages.com
PeopleSoft PeopleTools	Optimization Framework	**Entitled Products and Restricted Use Licenses** IBM's ILOG CPLEX Optimizer product (ILOG CPLEX) is bundled and included free of additional cost with PeopleTools. PeopleTools's Optimization Framework uses IBM's ILOG CPLEX product to expose and provide optimization features for PeopleSoft Applications. No license is granted to use ILOG CPLEX for any other purpose; you must obtain a separate license from IBM in order to use ILOG CPLEX for any other purpose.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Product	*Subproduct or Functional Area*	*Licensing Information*
PeopleSoft PeopleTools	Security	**Prerequisite Products** The PGP® secure messaging algorithms are available when you license the PGP encryption library from Symantec Corporation, compile the sample glue code, and load the library into the PET database. Use of the PGP® encryption functionality accessible through the Encryption Technology requires a specific license grant from Symantec Corporation. See http://www.symantec.com/products-solutions/families/?fid=encryption to inquire about purchasing the required license.
PeopleSoft PeopleTools	Web Server	**Entitled Products and Restricted Use Licenses** Oracle WebLogic Server Enterprise Edition is supplied with Oracle PeopleSoft PeopleTools and some Oracle PeopleSoft applications for use in the PeopleSoft products. As an Oracle PeopleSoft customer, you are granted a restricted use license of Oracle WebLogic Server Enterprise Edition to run PeopleTools or the applicable applications at no additional cost. **Note:** The provided license does not grant rights to use Oracle WebLogic Server for development of, or execution of, applications not delivered as part of PeopleSoft applications. Also see Oracle WebLogic Server Enterprise Edition Third-Party Notices and/or Licenses.

PeopleTools 8.58 Third-Party Notices and/or Licenses

Commercial Software Included with PeopleTools 8.58

Commercial software products or components distributed with the products are identified in the following table along with the applicable licensing information.

Provider	*Component*	*Licensing Information*
Adobe Systems Incorporated	JavaScript for Acrobat API	Licensed under the Adobe Acrobat SDK License Agreement. For a copy of the license, see Adobe Acrobat SDK License.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
Microsoft Corporation	Microsoft VSTO Plugin	DISCLAIMER OF WARRANTY. THE SOFTWARE IS LICENSED "AS-IS." YOU BEAR THE RISK OF USING IT. MICROSOFT GIVES NO EXPRESS WARRANTIES, GUARANTEES OR CONDITIONS. YOU MAY HAVE ADDITIONAL CONSUMER RIGHTS UNDER YOUR LOCAL LAWS WHICH THIS AGREEMENT CANNOT CHANGE. TO THE EXTENT PERMITTED UNDER YOUR LOCAL LAWS, MICROSOFT EXCLUDES THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT. LIMITATION ON AND EXCLUSION OF REMEDIES AND DAMAGES. YOU CAN RECOVER FROM MICROSOFT AND ITS SUPPLIERS ONLY DIRECT DAMAGES UP TO U.S. $5.00. YOU CANNOT RECOVER ANY OTHER DAMAGES, INCLUDING CONSEQUENTIAL, LOST PROFITS, SPECIAL, INDIRECT OR INCIDENTAL DAMAGES. This limitation applies to anything related to the software, services, content (including code) on third party Internet sites, or third party programs; and claims for breach of contract, breach of warranty, guarantee or condition, strict liability, negligence, or other tort to the extent permitted by applicable law. It also applies even if Microsoft knew or should have known about the possibility of the damages. The above limitation or exclusion may not apply to you because your country may not allow the exclusion or limitation of incidental, consequential or other damages.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
Oracle Corporation	Oracle Berkeley DB Java Edition	ASM: a very small and fast Java bytecode manipulation framework Copyright (c) 2000-2005 INRIA, France Telecom 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. Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
Vantage Learning	Vantage 1.4.2 IntelliWriter ProofReader	Copyright (c) 2009, Vantage All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. Neither the name of the <ORGANIZATION> nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT 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.

Open Source or Other Separately Licensed Software Included with PeopleTools 8.58

Required notices for open source software products or components distributed with the products are identified in the following table along with the applicable licensing information.

Provider	*Component*	*Licensing Information*
Alexey Diyan	pywinrm	Copyright (c) 2013 Alexey Diyan For a copy of the license, see MIT License This open source includes fourth-party dependencies. For a copy of these licenses, see pywinrm Fourth-Party Licenses.
Andrey Petrov	urllib3	Copyright 2008-2019 Andrey Petrov and contributors For a copy of the license, see MIT License. This open source includes fourth-party dependencies. For a copy of these licenses, see urllib3 Fourth-Party Licences.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
Anthony Tuininga	cx_Oracle	Copyright 2016, 2018, Oracle and/or its affiliates. All rights reserved. Portions Copyright 2007-2015, Anthony Tuininga. All rights reserved. Portions Copyright 2001-2007, Computronix (Canada) Ltd., Edmonton, Alberta, Canada. All rights reserved. Computronix is a registered trademark of Computronix (Canada) Ltd. For a copy of the license, see BSD 3-Clause License.
Apache Software Foundation	Axis	For a copy of the license, see Apache License, Version 2.0.
Apache Software Foundation	Commons Codec	Copyright 2002-2014 The Apache Software Foundation This product includes software developed at The Apache Software Foundation (http://www.apache.org/). src/test/org/apache/commons/codec/language/DoubleMetaphoneTest.java contains test data from http://aspelll.net/test/orig/batch0.tab. Copyright (C) 2002 Kevin Atkinson (kevina@gnu.org) ========== The content of package org.apache.commons.codec.language.bm has been translated from the original php source code available at http://stevemorse.org/phoneticinfo.htm with permissions from the original authors. Original source copyright: Copyright (c) 2008 Alexander Beider & Stephen P. Morse. For a copy of the license, see Apache License, Version 2.0.
Apache Software Foundation	Commons compress	Copyright 2002-2018 The Apache Software Foundation For a copy of the license, see Apache License, Version 2.0. This open source includes fourth-party dependencies. For a copy of these licenses, see Commons Compress Fourth-Party Licenses.
Apache Software Foundation	Commons IO	Copyright 2002-2017 The Apache Software Foundation This product includes software developed by The Apache Software Foundation (http://www.apache.org/). For a copy of the license, see Apache License, Version 2.0.
Apache Software Foundation	Commons Net FTP	For a copy of the license, see Apache License, Version 2.0.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
Apache Software Foundation	commons-digester	Copyright 2001-2011 The Apache Software Foundation This product includes software developed by The Apache Software Foundation (http://www.apache.org/). For a copy of the license, see Apache License, Version 2.0. This open source includes fourth-party dependencies. For a copy of these licenses, see Commons Digester Fourth-Party Licenses.
Apache Software Foundation	commons-logging	Copyright 2003-2014 The Apache Software Foundation This product includes software developed at The Apache Software Foundation (http://www.apache.org/). For a copy of the license, see Apache License, Version 2.0.
Apache Software Foundation	HttpComponents HTTP Client	Copyright 1999-2019 The Apache Software Foundation This product includes software developed at The Apache Software Foundation (http://www.apache.org/). For a copy of the license, see Apache License, Version 2.0. This project includes Public Suffix List copied from <https://publicsuffix.org/list/effective_tld_names.dat> licensed under the terms of the Mozilla Public License, v. 2.0. For a copy of the license, see Mozilla Public License, Version 2.0. This open source includes fourth-party dependencies. For a copy of these licenses, see HttpComponents HTTP Client Fourth-Party Licenses.
Apache Software Foundation	httpCore	Copyright 2005-2019 The Apache Software Foundation This product includes software developed at The Apache Software Foundation (http://www.apache.org/). For a copy of the license, see Apache License, Version 2.0.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
Apache Software Foundation	Log4j	Copyright 1999-2017 Apache Software Foundation This product includes software developed at The Apache Software Foundation (http://www.apache.org/). ResolverUtil.java Copyright 2005-2006 Tim Fennell Dumbster SMTP test server Copyright 2004 Jason Paul Kitchen TypeUtil.java Copyright 2002-2012 Ramnivas Laddad, Juergen Hoeller, Chris Beams picocli (http://picocli.info) Copyright 2017 Remko Popma For a copy of the license, see Apache License, Version 2.0.
Apache Software Foundation	Pluto	Copyright 2001-2004 The Apache Software Foundation. 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. For a copy of the license, see Apache License, Version 2.0. This open source includes fourth-party dependencies. For a copy of these licenses, see Pluto Fourth-Party Licenses.
Apache Software Foundation	POI	The Apache POI 3.15 distribution includes both a LICENSE.txt file and a NOTICE.txt file, the contents of which are presented separately below. If the ooxml portion of POI is used, the additional notice and license text below applies in addition. (License file) For a copy of the license, see Apache License, Version 2.0. (Notice file) This open source includes fourth-party dependencies. For a copy of these licenses, see POI Fourth-Party Licenses.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
Apache Software Foundation	Tika	Copyright 2015 The Apache Software Foundation This product includes software developed at The Apache Software Foundation (http://www.apache.org/). For a copy of the license, see Apache License, Version 2.0. This open source includes fourth-party dependencies. For a copy of these licenses, see Tika Fourth-Party Licenses.
Apache Software Foundation	WSRP4J	For a copy of the license, see Apache License, Version 2.0.
Apache Software Foundation	WSS4J	Copyright 2004-2011 The Apache Software Foundation This product includes software developed at The Apache Software Foundation (http://www.apache.org/). This product includes software Copyright University of Southampton IT Innovation Centre, 2006 (http://www.it-innovation.soton.ac.uk). For a copy of the license, see Apache License, Version 2.0. This open source includes fourth-party dependencies. For a copy of these licenses, see WSS4J Fourth-Party Licenses.
Apache Software Foundation	Xalan-C++	For a copy of the license, see Apache License, Version 2.0.
Apache Software Foundation	Xerces	NOTICE file corresponding to section 4(d) of the Apache License, Version 2.0, in this case for the Apache Xerces distribution. This product includes software developed by The Apache Software Foundation (http://www.apache.org/). Portions of this software were originally based on the following: - software copyright (c) 1999, IBM Corporation., http://www.ibm.com. For a copy of the license, see Apache License, Version 2.0.
Apache Software Foundation	XML Security for Java	For a copy of the license, see Apache License, Version 2.0.
Bejamin Peterson	six	Copyright (c) 2010-2018 Benjamin Peterson For a copy of the license, see MIT License.
Chromium	Chromedriver	Copyright (c) 2015 The Chromium Authors. All rights reserved. For a copy of the license, see BSD 3-Clause License.
Code Project	Ultimate Grid	For a copy of the license, see Code Project Open 1.02 License.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
Curl	Libcurl	Copyright (c) 1996 - 2018, Daniel Stenberg, <daniel@haxx.se>, and many contributors, see the THANKS file. All rights reserved. For a copy of the license, see Libcurl License.
Dmitry Baranovskiy	Raphael	Copyright (c) 2008-2010 Dmitry Baranovskiy For a copy of the license, see MIT License. This open source includes fourth-party dependencies. For a copy of these licenses, see Raphael Fourth-Party Licenses.
Elasticsearch	Elasticsearch	Copyright 2009-2018 Elasticsearch This product includes software developed by The Apache Software Foundation (http://www.apache.org/). This product includes software developed by Joda.org (http://www.joda.org/). For a copy of the license, see Apache License, Version 2.0. This open source includes fourth-party dependencies. For a copy of these licenses, see Elasticsearch Fourth-Party Licenses.
Elasticsearch	Kibana	Copyright 2012-2019 Elasticsearch B.V. For a copy of the license, see Apache License, Version 2.0. his open source includes fourth-party dependencies. For a copy of these licenses, see Kibana Fourth-Party Licenses.
Elasticsearch	Logstash	For a copy of the license, see Apache License, Version 2.0. his open source includes fourth-party dependencies. For a copy of these licenses, see Logstash Fourth-Party Licenses.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
Elasticsearch	logstash-input-jmx	Copyright 2012-2015 Elasticsearch This product includes software developed by The Apache Software Foundation (http://www.apache.org/). ---------- Copyright (c) 2012-2018 Elasticsearch <http://www.elastic.co> 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. For a copy of the license, see Apache License, Version 2.0.
ExoLab Group, Intalio, Inc.	Castor	Copyright 1999-2004 (C) Intalio Inc., and others. All Rights Reserved. For a copy of the license, see Castor License. This open source includes fourth-party dependencies. Apache 2.0 commons-logging.jar - version 1.1.1 (upgraded from 1.0.3 - distributed) – Copyright 2003-2007 The Apache Software Foundation. This product includes software developed by The Apache Software Foundation (http://www.apache.org/). For a copy of the license for Apache that is distributed as a fourth-party dependency, see Apache License, Version 2.0.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
Fabian Kessler	language-detector	Copyright 2011 Fabian Kessler 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. For a copy of the license, see Apache License, Version 2.0. This open source includes fourth-party dependencies. For a copy of these licenses, see language-detector Fourth-Party Licenses.
Gerhard Weis	isodate	Copyright 2009, Gerhard Weis. All rights reserved. For a copy of the license, see BSD 3-Clause License.
Google	gson	For a copy of the license, see Gson License.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
Google	Guava	Copyright (C) 2008 The Guava Authors 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. Common annotation types. This package is a part of the open-source Guava library. For a copy of the license, see Apache License, Version 2.0. Modules: guava-bom guava-gwt guava-testlib guava-tests guava refactorings util

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
Google	Guava	Copyright (C) 2008 The Guava Authors For a copy of the license, see Apache License, Version 2.0. Modules: guava-bom guava-gwt guava-testlib guava-tests guava refactorings util This open source includes fourth-party dependencies. For a copy of these licenses, see Guava Fourth-Party Licenses.
Hashicorp	terraform	For a copy of the license, see Mozilla Public License, Version 2.0. This open source includes fourth-party dependencies. For a copy of these licenses, see Terraform Fourth-Party Licenses.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
Ignite Realtime	jxmpp	@author Florian Schmaus Copyright © 2014 Florian Schmaus Copyright © 2014-2015 Florian Schmaus Copyright 2014-2016 Florian Schmaus Copyright © 2014-2016 Florian Schmaus Copyright © 2014-2017 Florian Schmaus Copyright © 2014-2018 Florian Schmaus Copyright © 2014-2019 Florian Schmaus Copyright 2015 Florian Schmaus Copyright © 2015 Florian Schmaus Copyright © 2015-2016 Florian Schmaus Copyright © 2015-2017 Florian Schmaus Copyright 2015-2018 Florian Schmaus Copyright © 2015-2018 Florian Schmaus Copyright 2017 Florian Schmaus Copyright 2017-2018 Florian Schmaus Copyright 2018 Florian Schmaus Copyright © 2017 Ingo Bauersachs 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. For a copy of the license, see Apache License, Version 2.0.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
Ignite Realtime	smack-core	SMACK / License (specific copyright information associated to each file to follow). All open source included in smack-core are licensed under the Apache 2.0 license): All authors are using this same Apache 2.0 copyright block at the top of their source files. The only difference is the actual Copyright year and author information: Copyright 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. For a copy of the license, see Apache License, Version 2.0. This open source includes fourth-party dependencies. For a copy of these licenses, see smack-core Copyrights and Fourth-Party Licenses.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
Ignite Realtime	smack-im	SMACK / License (specific copyright information associated to each file to follow). All open source included in smack-im are licensed under the Apache 2.0 license): All authors are using this same Apache 2.0 copyright block at the top of their source files. The only difference is the actual Copyright year and author information: Copyright 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. For a copy of the license, see Apache License, Version 2.0. This open source includes fourth-party dependencies. For a copy of these licenses, see smack-im Copyrights and Fourth-Party Licenses.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
Ignite Realtime	smack-resolver-dnsjava	SMACK / License (specific copyright information associated to each file to follow). All open source included in smack-resolver-dnsjava are licensed under the Apache 2.0 license): All authors are using this same Apache 2.0 copyright block at the top of their source files. The only difference is the actual Copyright year and author information: Copyright 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. For a copy of the license, see Apache License, Version 2.0. This open source includes fourth-party dependencies. For a copy of these licenses, see smack-resolver-dnsjava Copyrights and Fourth-Party Licenses.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
Ignite Realtime	smack-resolver-minidns	SMACK / License (specific copyright information associated to each file to follow). All open source included in smack-resolver-minidns are licensed under the Apache 2.0 license): All authors are using this same Apache 2.0 copyright block at the top of their source files. The only difference is the actual Copyright year and author information: Copyright 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. For a copy of the license, see Apache License, Version 2.0. This open source includes fourth-party dependencies. For a copy of these licenses, see smack-resolver-minidns Copyrights and Fourth-Party Licenses.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
Ignite Realtime	smack-tcp	SMACK / License (specific copyright information associated to each file to follow). All open source included in smack-tcp are licensed under the Apache 2.0 license): All authors are using this same Apache 2.0 copyright block at the top of their source files. The only difference is the actual Copyright year and author information: Copyright 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. For a copy of the license, see Apache License, Version 2.0. This open source includes fourth-party dependencies. For a copy of these licenses, see smack-tcp Copyrights and Fourth-Party Licenses.
Jason R. Coombs	setuptools	Copyright (C) 2016 Jason R Coombs <jaraco@jaraco.com> For a copy of the license, see MIT License.
Jcraft	JSch	Copyright (c) 2002-2015 Atsuhiko Yamanaka, JCraft,Inc. All rights reserved. For a copy of the license, see JSch License.
Jean-loup Gailly and Mark Adler	Zlib Data Compression Library	(C) 1995-2017 Jean-loup Gailly and Mark Adler For a copy of the license, see Zlib Data Compression Library License.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
JS Foundation	jQuery	URL for License and Copyright Notice - https://raw.githubusercontent.com/jquery/jquery/3.4.0/LICENSE.txt Copyright JS Foundation and other contributors, https://js.foundation/ For a copy of the license, see MIT License. All files located in the node modules and external directories are externally maintained libraries used by this software which have their own licenses; we recommend you read them, as their terms may differ from the terms above. --https://github.com/jquery/jquery/blob/3.4.0/external/npo/npo.js-- Native Promise Only v0.8.1 (c) Kyle Simpson MIT License: http://getify.mit-license.org
json.org	json	Copyright (c) 2002 JSON.org For a copy of the license, see json License.
jsoup.org	jsoup	Copyright © 2009 - 2017 Jonathan Hedley (jonathan@hedley.net) The jsoup code-base (including source and compiled packages) are distributed under the open source MIT license as described below. For a copy of the license, see MIT License.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
Kenneth Reitz	certifi	This packge contains a modified version of ca-bundle.crt: ca-bundle.crt -- Bundle of CA Root Certificates Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011# This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree: http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1# It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php_curl, or with an Apache+mod_ssl webserver for SSL client authentication. Just configure this file as the SSLCACertificateFile.# ***** BEGIN LICENSE BLOCK ***** 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 http://mozilla.org/MPL/2.0/. ***** END LICENSE BLOCK ***** @(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $ https://hg.mozilla.org/mozilla-central/raw-file/tip/security/nss/lib/ckfw/builtins/certdata.txt For a copy of the license, see Mozilla Public License, Version 2.0.
Kim Davies	idna	Copyright (c) 2013-2018, Kim Davies. All rights reserved. For a copy of the license, see idna License.
Kirill Simonov	PyYAML	Copyright (c) 2017-2019 Ingy döt Net Copyright (c) 2006-2016 Kirill Simonov For a copy of the license, see MIT License.
Mark Pilgrim	chardet	Copyright Mark Pilgrim and Dan Blanchard For a copy of the license, see GNU Lesser General Public License, Version 2.1.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
Microsoft Open Technologies, Inc.	Open XML SDK	Copyright (c) Microsoft Corporation For a copy of the license, see MIT License.
Mozilla	geckodriver	For a copy of the license, see Mozilla Public License, Version 2.0.
Neil Hodgson	Scintilla	Copyright 1998-2003 by Neil Hodgson <neilh@scintilla.org>. All Rights Reserved For a copy of the license, see Scintilla License.
Open Web Application Security Project (OWASP)	OWASP Java HTML Sanitizer	For a copy of the license, see OWASP Java HTML Sanitizer License.
OpenSSL Project	OpenSSL	Copyright (c) 1998-2018 The OpenSSL Project. All rights reserved. For a copy of the license, see OpenSSL License.
Oracle Corporation	Java Mail	For a copy of the license, see Eclipse Public License, Version 2.0. This open source includes fourth-party dependencies. For a copy of these licenses, see Java Mail Fourth-Party Licenses.
Oracle Corporation	JavaBeans Activation Framework (JAF)	License Information can be found at: https://github.com/eclipse-ee4j/jaf/blob/master/LICENSE.md Copyright (c) 1997, 2018 Oracle and/or its affiliates. All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Distribution License v. 1.0, which is available at http://www.eclipse.org/org/documents/edl-v10.php. For a copy of the license, see Eclipse Distribution License, Version 1.0. SPDX-License-Identifier: BSD-3-Clause
Oracle Corporation	Oracle oci-cli	Copyright (c) 2016, 2018, Oracle and/or its affiliates. All rights reserved. For a copy of the license, see Oracle oci-cli License.
Oracle Corporation	Oracle oci-java-sdk	Copyright (c) 2016, 2017, Oracle and/or its affiliates. All rights reserved. For a copy of the license, see Oracle oci-java-sdk License.
Oracle Corporation	terraform-provider-oci	For a copy of the license, see terraform-provider-oci License.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
Puppet Labs	Facter	• Facter 2.5.1 Facter - Host Fact Detection and Reporting Copyright 2005-2014 Puppet Labs Inc • Facter 3.11.8 Puppet - Automating Configuration Management. Copyright (C) 2005-2016 Puppet, Inc. Puppet, Inc. can be contacted at: info@puppet.com For a copy of the license, see Apache License, Version 2.0.
Puppet Labs	Hiera	Puppet - Automating Configuration Management. Copyright (C) 2005-2016 Puppet, Inc. Puppet, Inc. can be contacted at: info@puppet.com For a copy of the license, see Apache License, Version 2.0.
Puppet Labs	Puppet	Puppet - Automating Configuration Management. Copyright (C) 2005-2016 Puppet, Inc. Puppet, Inc. can be contacted at: info@puppet.com For a copy of the license, see Apache License, Version 2.0.
Python.org	Python	For a copy of the license, see Python License.
QOS.ch	SLF4J	Copyright (c) 2004-2008 QOS.ch All rights reserved. For a copy of the license, see MIT License. This open source includes fourth-party dependencies. For a copy of these licenses, see SLF4J Fourth-Party Licenses.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
Sara Golemon/The Written Word, Inc	libssh2	Copyright (c) 2004-2007 Sara Golemon <sarag@libssh2.org> Copyright (c) 2005,2006 Mikhail Gusarov <dottedmag@dottedmag.net> Copyright (c) 2006-2007 The Written Word, Inc. Copyright (c) 2007 Eli Fant <elifantu@mail.ru> Copyright (c) 2009-2014 Daniel Stenberg Copyright (C) 2004, 2010 Simon Josefsson Copyright (C) 2016 Alexander Lamaison Copyright (C) 2015 Patrick Monnerat, D+H <patrick.monnerat@dh.com> Copyright (C) 2013-2015 Marc Hoersken <info@marc-hoersken.de> All rights reserved. For a copy of the license, see BSD 3-Clause License.
Selenium	Internet Explorer Driver Server	Copyright 2011-2018 Software Freedom Conservancy Copyright 2004-2011 Selenium committers For a copy of the license, see Apache License, Version 2.0.
Selenium	Selenium WebDriver C#	For a copy of the license, see Apache License, Version 2.0.
SnakeYAML.org	SnakeYAML	No notice only copyright info at url: https://bitbucket.org/asomov/snakeyaml/src/2ab6273059255189c1594c1995903ba2f5818531/src/etc/header.txt?at=default&fileviewer=file-view-default Copyright (c) 2008, http://www.snakeyaml.org 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. For a copy of the license, see Apache License, Version 2.0.
SourceForge	Mouse	For a copy of the license, see Mouse License.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
SourceForge	RSyntaxTextArea	http://fifesoft.com/rsyntaxtextarea/RSyntaxTextArea.License.txt Copyright (c) 2012, Robert Futrell. All rights reserved. For a copy of the license, see BSD 3-Clause License.
SourceForge	Sarissa	For a copy of the license, see Sarissa License.
Sourceware	Libffi	https://github.com/atgreen/libffi/blob/master/LICENSE Copyright (c) 1996-2014 Anthony Green, Red Hat, Inc and others. See source files for details. For a copy of the license, see MIT License.
Tapmodo Interactive LLC	jCrop	Jcrop is free software under MIT License. Copyright (c) 2008-2018 Tapmodo Interactive LLC, http://github.com/tapmodo/Jcrop For a copy of the license, see MIT License. This open source includes fourth-party dependencies. For a copy of these licenses, see jCrop Fourth-Party Licenses.
The Internet Society	rfc4122	For a copy of the license, see rfc4122 License.
The Legion of Bouncy Castle	Bouncy Castle	https://opensource.org/licenses/MIT Copyright (c) 2000 - 2018 The Legion Of The Bouncy Castle (http://www.bouncycastle.org) For a copy of the license, see MIT License.
The pip developers	pip	Copyright (c) 2008-2019 The pip developers (see AUTHORS.txt file) For a copy of the license, see MIT License.
Will Bond	asn1crypto	Copyright (c) 2015-2019 Will Bond <will@wbond.net> For a copy of the license, see MIT License.
World Wide Web Consortium	jTidy	Copyright (c) 1998-2000 world wide web consortium (Massachusetts Institute of Technology, Institut National de Recherche en Informatique et en Automatique, Keio university). All Rights Reserved. For a copy of the license, see jTidy License.
Yukihiro Matsumoto	Ruby	For a copy of the license, see Ruby License.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Appendix A

Commercial Software License Text

Adobe Acrobat SDK License

Adobe Acrobat SDK License Agreement

These terms govern your use of our software referencing these terms, including any applications, Content Files (defined below), scripts, instruction sets, and any related documentation (collectively “Software”). By using the Software, you agree to these terms.

1. Definitions.

1.1 "Adobe Reader Products" means Adobe® Reader®, Adobe Acrobat® Reader, Adobe Acrobat Approval, Adobe Acrobat Elements, and related viewer products.

1.2 "Developer," "you," and "your" refer to any person or entity using this Software, or any component thereof.

1.3 "Developer Programs" means your application programs that are designed to function with Other Adobe Acrobat Software products.

1.4 "Documentation" means explanatory materials supplied with the Software or made available online on Adobe public Web pages related to the Software.

1.5 "End User License Agreement" means an end user license agreement that provides a: (a) limited, nonexclusive right to use the subject Developer Program with no further right to reproduce (except for archival and/or backup copies permitted by law) and/or distribute the subject Developer Program; (b) prohibition against distributing, selling, sublicensing, renting, loaning, or leasing the subject Developer Program; (c) prohibition against reverse engineering, decompiling, disassembling, or otherwise attempting to discover the source code of the subject Developer Program that is substantially similar to that set forth in Section 3 below; (d) statement that, if Your customer requires any Other Adobe Acrobat Software in order to use the Developer Program, (i) Your customer must obtain such Other Adobe Acrobat Software via a valid license, and (ii) Your customer's use of such Other Adobe Acrobat Software must be in accordance with the terms and conditions of the end user license agreement that ships with such Other Adobe Acrobat Software; (e) statement that You and Your suppliers retain all right, title, and interest in the subject Developer Program that is substantially similar to that set forth as Section 5 below; (f) statement that Your suppliers disclaim all warranties, conditions, representations, or terms with respect to the subject Developer Program substantially similar to the disclaimer set forth as Section 7 below; and (g) limit of liability substantially similar to that set forth as Section 8 below for the benefit of Your suppliers.

1.6 "Header File Information" means any header files (including but not limited to *.h files) supplied in connection with the Software, including without limitation any related information detailing contents of header files.

1.7 "Other Adobe Acrobat Software" means the generally commercially available versions of Adobe Acrobat Standard, Adobe Acrobat Professional, and Adobe Reader Products.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

1.8 "Redistributable Code" means certain object code files designated in the Documentation as "Redistributable Code."

1.9 "Sample Code" means sample software in source code format designated in the Documentation as "Sample Code" and/or "Snippets."

1.10 "Software" means the software with which this Agreement is provided, including but not limited to (i) Sample Code; (ii) Header File Information; (iii) Redistributable Code; (iv) Documentation; (v) Software Tools; and (vi) any upgrades, modified versions, updates, and/or additions thereto, if any, provided to you by Adobe.

1.11 "Software Tools" means developer tools (including but not limited to plug-ins and compiled samples) supplied with the Software, the selection of which may change from time to time at Adobe's sole discretion.

2. How this Agreement Works.

2.1 Choice of Law. If you reside in North America, your relationship is with Adobe Systems Incorporated, a United States company, and the Software is governed by the law of California, U.S.A. If you reside outside of North America, your relationship is with Adobe Systems Software Ireland Limited, and the Software is governed by the law of Ireland. You may have additional rights under the law. We do not seek to limit those rights to the extent prohibited by law.

2.2 Privacy. The Privacy Policy at http://www.adobe.com/go/privacy governs any personal information you provide to us. By using the Software you agree to the terms of the Privacy Policy.

2.3 Software. The Software is licensed, not sold, only in accordance with these terms.

2.4 Adobe Intellectual Property. We (and our licensors) remain the sole owner of all right, title, and interest in the Software. We reserve all rights not granted under these terms.

3. Use of Software.

3.1 General License. Subject to your compliance with these terms, we grant you a non-exclusive license to install and use the Software (a) in the Territory, (b) consistent with these terms and related documentation accompanying the Software, to:

(1) Use the Software for the sole purpose of internally developing Developer Programs,

(2) reproduce and modify Sample Code as a component of Developer Programs that add significant and primary functionality to the Sample Code,

(3) reproduce Redistributable Code solely as a component of Developer Programs that add significant and primary functionality to the Redistributable Code, and

(4) distribute Sample Code and/or Redistributable Code in object code form only as a component of Developer Programs that add significant and primary functionality to the Sample Code and/or Redistributable Code, provided that

(i) you distribute such object code under the terms and conditions of an End User License Agreement,

(ii) you include a copyright notice reflecting the copyright ownership of Developer in such Developer Programs,

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

(iii) you are solely responsible to your customers for any update or support obligation or other liability which may arise from such distribution,

(iv) you shall not make any statements that your Developer Product is "certified," or that its performance is guaranteed, by Adobe, and

(v) you do not use Adobe's name or trademarks to market your Developer Product without written permission of Adobe. Any modified or merged portion of the Sample Code, and/or merged portion of the Redistributable Code, is subject to this Agreement.

Use of Other Adobe Acrobat Software and/or any additional Adobe application program is subject to the applicable end user license agreement for that application software, even if that Other Adobe Acrobat Software or additional Adobe application program is supplied to you in connection with this Agreement.

You may make a limited number of copies of the Documentation to be used by your employees or consultants for internal development purposes and not for general business purposes or for distribution by any means, and such employees or consultants shall be subject to this Agreement. You may distribute Other Adobe Acrobat Software with your Developer Programs only under separate license from Adobe. Adobe is under no obligation to provide any support under this Agreement, including upgrades or future versions of the Software, Other Adobe Acrobat Software and/or any component thereof, to Developer, end users, or to any other party

3.2 Restrictions and Requirements

(a) Proprietary Notices. You must ensure that any permitted copy of the Software that you make contains the same copyright and other proprietary notices that appear on or in the Software.

(b) Restrictions. Unless permitted in these terms, you must not:

(1) modify, port, adapt, or translate the Software;

(2) reverse engineer, decompile, disassemble, or otherwise attempt to discover the source code of the Software;

(3) use or offer the Software on a service bureau basis;

(4) (i) circumvent technological measures intended to control access to the Software or (ii) develop, distribute, or use with the Software, products that circumvent the technological measures; or

(5) rent, lease, sell, sublicense, assign, or transfer your rights in the Software, or authorize any portion of the Software to be copied onto another’s device. .

(6) use the Software to create, develop or use any program, software or service which

(i) removes the menu item that calls up the "About Screen" in any Other Adobe Acrobat Software product, other product incorporating Other Adobe Acrobat Software under valid license from Adobe, or any component thereof;

(ii) can both communicate with Adobe Reader Products and modify or save a PDF (Portable Document Format) document (including saving any modifications to a separate file for such documents);

(iii) exposes and/or discloses Header File Information;

(iv) works as a plug-in with Adobe Reader Products, unless specifically licensed to do so by Adobe;

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

(v) opens encrypted documents without the authorized knowledge of the document passwords or violates the access rights specified for a document;

(vi) provides access and/or displays content secured using digital rights management services or technology unless the Developer Product meets certain certification criteria in accordance with Adobe's then current certification process;

(vii) modifies or replaces the digital signature validation functionality and/or capability of Other Adobe Acrobat Software without written approval from Adobe;

(viii) validates digitally signed documents (including without limitation, adding any trust capability to documents) without written approval from Adobe;

(ix) modifies the permissions or rights in a PDF file enabled using Adobe enabling technology;

(x) enables Other Adobe Acrobat Software to run on a server;

(xi) contains any viruses, Trojan horses, worms, time bombs, cancelbots or other computer programming routines that are intended to damage, detrimentally interfere with, surreptitiously intercept or expropriate any system, data or personal information;

(xii) when used in the manner in which it is intended, violates any material law, statute, ordinance or regulation (including without limitation the laws and regulations governing export control, unfair competition, antidiscrimination or false advertising); or

(xiii) interferes with the operability of other Adobe or third-party programs or software which run with Other Adobe Acrobat Software.

(7) disseminate or in any way disclose Header File Information to any person, firm or business except for your employees who need to know such Header File Information and who have previously agreed to be bound by a confidentiality obligation consistent with the obligation set forth in this section. Further, you agree to treat the Header File Information with the same degree of care as you accord to your own confidential information, but in any event no less than reasonable care. Your obligations under this section with respect to the Header File Information shall terminate when you can document that such Header File Information was (i) in the public domain at or subsequent to the time it was communicated to you by Adobe through no fault of yours, (ii) developed by your employees or agents independently of and without reference to any information communicated to you by Adobe; or (iii) disclosed in response to a valid order by a court or other governmental body, as otherwise required by law, or as necessary to establish the rights of either party under this Agreement.

(c) Indemnification. You agree to defend, indemnify, and hold Adobe and its suppliers harmless from and against any claims or lawsuits, including attorneys' reasonable fees, that arise or result from the use or distribution of Developer Programs, provided that Adobe gives you prompt written notice of any such claim, tenders to you the defense or settlement of such a claim at your expense, and cooperates with you, at your expense, in defending or settling such claim.

3.3 Territory. If you purchase more than one Software license, you must not install or deploy the Software outside of the country where you purchased the license unless otherwise permitted under volume licensing program you have entered into with us. If you live in the European Economic Area, “country” means the European Economic Area. We may terminate the license granted herein if we determine that you are using the Software in violation of this Section.

3.4 Activation. The Software may require you to take certain steps to activate your Software or validate your subscription. Failure to activate or register the Software, validate the subscription, or a

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

determination by us of fraudulent or unauthorized use of the Software may result in reduced functionality, inoperability of the Software, or a termination or suspension of the subscription.

4. Fees.

You must pay any applicable taxes, and any applicable third-party fee (including, for example telephone toll charges, mobile carrier fees, ISP charges, data plan charges, credit card fees, foreign exchange fees). We are not responsible for these fees. We may take steps to collect the fees you owe us. You are responsible for all related collection costs and expenses.

5. Disclaimers of Warranties.

The Software is provided "AS-IS." To the maximum extent permitted by law, we disclaim all warranties express or implied, including the implied warranties of non-infringement, merchantability, and fitness for a particular purpose. We further disclaim any warranty that (a) the Software will meet your requirements or will be or error-free; (b) the results that may be obtained from the use of the Software will be effective, accurate, or reliable; (c) the quality of the Software will meet your expectations; or that (d) any errors or defects in the Software will be corrected.

6. Limitation of Liability.

6.1 We are not liable to you or anyone else for any special, incidental, indirect, consequential, or punitive damages whatsoever (even if we have been advised of the possibility of these damages), including those (a) resulting from loss of use, data, or profits, whether or not foreseeable, (b)based on any theory of liability, including breach of contract or warranty, negligence or other tortious action, or (c) arising from any other claim arising out of or in connection with your use of or access to the Software. Nothing in these terms limits or excludes our liability for gross negligence, for our (or our employees') intentional misconduct, or for death or personal injury.

6.2 Our total liability in any matter arising out of or related to these terms is limited to the aggregate amount that you paid to use the Software during the three-month period preceding the event giving rise to the liability. This limitation will apply even if we have been advised of the possibility of the liability exceeding the amount and notwithstanding any failure of essential purpose of any limited remedy.

6.3 The limitations and exclusions in this Section 6 apply to the maximum extent permitted by law.

7. Termination.

7.1 Termination by You. You may stop using the Software at any time.

7.2 Termination by Us. If we terminate these terms for reasons other than for cause, then we will make reasonable effort to notify you at least 30 days prior to termination via the email address you provide to us with instructions on how to retrieve your content. We may at any time terminate these terms with you if:

(a) you breach any provision of these terms (or act in a manner that clearly shows you do not intend to, or are unable to, comply with these terms);

(b) you fail to make the timely payment of fees for the Software, if any; or

(c) we are required to do so by law (for example, where the provision of the Software to you is, or becomes, unlawful).

Upon any such termination, you must return all full and partial copies of the items in the Software immediately to Adobe and discontinue distribution of any Sample Code and/or Redistributable Code.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

7.3 Survival. Upon expiration or termination of these terms, any perpetual licenses you have granted, your indemnification obligations, our warranty disclaimers or limitations of liabilities, and dispute resolution provisions stated in these terms will survive.

8. Export Control Laws.

The Software and your use of the Software are subject to U.S. and international laws, restrictions, and regulations that may govern the import, export, and use of the Software. You agree to comply with all the laws, restrictions, and regulations.

9. Dispute Resolution.

9.1 Venue. Any claim or dispute you may have against us must be resolved by (a) a court located in Santa Clara County, California, U.S.A., if the law of California, U.S.A., governs the Software, and (b) a court located in Dublin, Ireland, if the law of Ireland governs the Software. You agree to submit to the personal jurisdiction of the applicable court for the purpose of litigating the claim or dispute. The parties specifically disclaim the applicability of the U.N. Convention on Contracts for the International Sale of Goods.

9.2 Injunctive Relief. Notwithstanding the foregoing, in the event of your or others' unauthorized access to or use of the Software or content in violation of these terms you agree that we are entitled to apply for injunctive remedies (or an equivalent type of urgent legal relief) in any jurisdiction.

10. Jurisdiction-Specific Terms.

This section applies to specific jurisdictions. If there is any conflict between this section and other sections, then this section governs in relation to the relevant jurisdiction.

10.1 New Zealand. For consumers in New Zealand who obtain the Software for personal, domestic, or household use (not business purposes), this agreement is subject to the Consumer Guarantees Act.

10.2 European Economic Area.

(a) Warranty. If you obtained the Software in the European Economic Area (EEA), you usually reside in the EEA and you are a consumer (that is, your use of the Software is for personal, non-business related purposes), then your warranty period with regard to the Software is the duration of your subscription. Our entire liability related to any warranty claim and your sole and exclusive remedy under any warranty will be limited to either, at our option, support of our Software based on the warranty claim, replacement of the Software, or if support or replacement is not practicable, refund of prepaid and unused subscription fee proportionate to the specific Software. Furthermore, while these terms apply to any damages claims you make in respect of your use of the Software, we will be liable for direct losses that are reasonably foreseeable in the event of our breach of this agreement. You should take all reasonable measures to avoid and reduce damages, in particular by making backup copies of the Software and its computer data.

(b) Decompilation. Nothing included in these terms limits any non-waivable right to decompile the Software that you may enjoy under the law. For example, if you are located in the European Union (EU), you may have the right under applicable law to decompile the Software if it is necessary to do so in order to achieve interoperability of the Software with another software program and we has not made this information available. Under this circumstance, you must first ask us in writing to provide the information necessary to achieve this interoperability. In addition, the decompilation may only be performed by you or someone who may use the Software on your behalf. We have the right to impose reasonable conditions before providing the information. You may use the information we supply or that you obtain only for the purpose described in this paragraph. You may not disclose the information to any

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

third party or use the information in a manner that infringes our copyright or a copyright of one or our licensors.

10.3 Australia. If you obtained the Software in Australia, then the following provision applies, notwithstanding anything stated to the contrary in these terms:

NOTICE TO CONSUMERS IN AUSTRALIA:

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

11. Specific Software Terms.

This section and the applicable Appendix to these terms apply to specific Software and components. If there is any conflict between this section (or the applicable Appendix) and other sections, then this section governs in relation to the relevant Software or components.

11.1 Font Software. If the Software includes font software (except for fonts available under Typekit, which is governed by its Additional Terms):

(a) You may provide font(s) you have used for a particular file to a commercial printer or other service bureau, and the service bureau may use the font(s) to process its file, provided the service bureau has a valid license to use that particular font software.

(b) You may embed copies of the font software into its electronic documents for the purpose of printing, viewing, and editing the document. No other embedding rights are implied or permitted under this license.

(c) As an exception to the above, the fonts listed at http://www.adobe.com/go/restricted_fonts re included with the Software only for purposes of operation of the Software user interface and not for inclusion within any output files. The listed fonts are not licensed under this Section 10.1. You may not copy, move, activate or use, or allow any font management tool to copy, move, activate or use, the listed fonts in or with any software application, program, or file other than the Software.

(d) Open-Source Fonts. Some fonts distributed by Adobe with the Software may be open-source fonts. Your use of these open-source fonts will be governed by the applicable license terms available at http://www.adobe.com/go/font_licensing.

12. Notice to U.S. Government End Users.

For U.S. Government procurements, Software is a commercial computer software as defined in FAR 12.212 and subject to restricted rights as defined in FAR Section 52.227-19 "Commercial Computer Software - Restricted Rights" and DFARS 227.7202, “Rights in Commercial Computer Software or Commercial Computer Software Documentation”, as applicable, and any successor regulations. Any use, modification, reproduction release, performance, display or disclosure of the Software by the U.S. Government must be in accordance with license rights and restrictions described in these terms.

13. Compliance with Licenses.

If you are a business, company, or organization, then we may, no more than once every 12 months, upon seven 7 days’ prior notice to you, appoint our personnel or an independent third party auditor who is obliged to maintain confidentiality to inspect your records, systems, and facilities to verify that your installation and use of any and all Software is in conformity with its valid licenses from us. Additionally, you will provide us with all records and information requested by us in order to verify that its installation

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

and use of any and all Software is in conformity with your valid licenses from us within 30 days of our request. If the verification discloses a shortfall in licenses for the Software s, you will immediately acquire any necessary licenses, subscriptions, and any applicable back maintenance and support. If the underpaid fees exceed 5% of the value of the payable license fees, then you will also pay for our reasonable cost of conducting the verification.

14. Miscellaneous.

14.1 English Version. The English version of these terms will be the version used when interpreting or construing these terms.

14.2 Notice to Adobe. You may send the notices to us to at the following address: Adobe Systems, 345 Park Avenue, San Jose, California 95110-2704, Attention: General Counsel.

14.3 Entire Agreement. These terms constitute the entire agreement between you and us regarding your use of the Software and supersede any prior agreements between you and us relating to the Software.

14.4 Non-Assignment. You may not assign or otherwise transfer these terms or your rights and obligations under these terms, in whole or in part, without our written consent. We may transfer our rights under these terms to a third party.

14.5 Severability. If a particular term is not enforceable, the unenforceability of that term will not affect any other terms.

14.6 No Waiver. Our failure to enforce or exercise any of these terms is not a waiver of that section.

15. Third-Party Notices.

15.1 Third-Party Software. The Software may contain third-party software, subject to additional terms and conditions, available at http://www.adobe.com/go/thirdparty.

Adobe Systems Incorporated: 345 Park Avenue, San Jose, California 95110-2704

Adobe Systems Software Ireland Limited: 4-6 Riverwalk, City West Business Campus, Saggart, Dublin 24

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Appendix B

Open Source Software License Text

Apache License, Version 1.1

The Apache Software License, Version 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 names "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",

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

nor may "Apache" 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

The following applies to all products licensed under the Apache 2.0 License:

You may not use the identified files except in compliance with the Apache License, Version 2.0 (the "License.")

You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0. A copy of the license is also reproduced below.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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 © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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,

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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,

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

BSD 2-Clause License

Copyright <YEAR> <COPYRIGHT HOLDER>

Redistribution and use in source and binary forms, with or without

modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this

list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice,

this list of conditions and the following disclaimer in the documentation

and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"

AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE

IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE

DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE

FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL

DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR

SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER

CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,

OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE

OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

BSD 3-Clause License

Copyright <YEAR> <COPYRIGHT HOLDER>

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.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

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

BSD 3-Clause License (With Google Inc Reference)

Copyright (c) <year>, <copyright holder>. All rights reserved.

Redistribution and use in source and binary forms, with or without

modification, are permitted provided that the following conditions are

met:

* Redistributions of source code must retain the above copyright

notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above

copyright notice, this list of conditions and the following disclaimer

in the documentation and/or other materials provided with the

distribution.

* Neither the name of Google Inc. nor the names of its

contributors may be used to endorse or promote products derived from

this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS

"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT

LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR

A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Castor License

Copyright 1999-2004 (C) Intalio Inc., and others. All Rights Reserved.

Redistribution and use of this software and associated documentation ("Software"), with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain copyright statements and notices. Redistributions must also contain a copy of this document.

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 name "ExoLab" must not be used to endorse or promote products derived from this Software without prior written permission of Intalio Inc. For written permission, please contact info@exolab.org.

4. Products derived from this Software may not be called "Castor" nor may "Castor" appear in their names without prior written permission of Intalio Inc. Exolab, Castor and Intalio are trademarks of Intalio Inc.

5. Due credit should be given to the ExoLab Project (http://www.exolab.org/).

THIS SOFTWARE IS PROVIDED BY INTALIO AND CONTRIBUTORS ``AS IS'' AND

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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 INTALIO 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.

Code Project Open 1.02 License

The Code Project Open License (CPOL) 1.02

The Code Project Open License (CPOL) is intended to provide developers who choose to share their code with a license that protects them and provides users of their code with a clear statement regarding how the code can be used.

The CPOL is our gift to the community. We encourage everyone to use this license if they wish regardless of whether the code is posted on CodeProject.com.

Preamble

This License governs Your use of the Work. This License is intended to allow developers to use the Source Code and Executable Files provided as part of the Work in any application in any form.

The main points subject to the terms of the License are:

Source Code and Executable Files can be used in commercial applications;

Source Code and Executable Files can be redistributed; and

Source Code can be modified to create derivative works.

No claim of suitability, guarantee, or any warranty whatsoever is provided. The software is provided "as-is".

The Article(s) accompanying the Work may not be distributed or republished without the Author's consent

This License is entered between You, the individual or other entity reading or otherwise making use of the Work licensed pursuant to this License and the individual or other entity which offers the Work under the terms of this License ("Author").

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

License

THE WORK (AS DEFINED BELOW) IS PROVIDED UNDER THE TERMS OF THIS CODE PROJECT OPEN LICENSE ("LICENSE"). THE WORK IS PROTECTED BY COPYRIGHT AND/OR OTHER APPLICABLE LAW. ANY USE OF THE WORK OTHER THAN AS AUTHORIZED UNDER THIS LICENSE OR COPYRIGHT LAW IS PROHIBITED.

BY EXERCISING ANY RIGHTS TO THE WORK PROVIDED HEREIN, YOU ACCEPT AND AGREE TO BE BOUND BY THE TERMS OF THIS LICENSE. THE AUTHOR GRANTS YOU THE RIGHTS CONTAINED HEREIN IN CONSIDERATION OF YOUR ACCEPTANCE OF SUCH TERMS AND CONDITIONS. IF YOU DO NOT AGREE TO ACCEPT AND BE BOUND BY THE TERMS OF THIS LICENSE, YOU CANNOT MAKE ANY USE OF THE WORK.

1. Definitions.

a. "Articles" means, collectively, all articles written by Author which describes how the Source Code and Executable Files for the Work may be used by a user.

b. "Author" means the individual or entity that offers the Work under the terms of this License.

c. "Derivative Work" means a work based upon the Work or upon the Work and other pre-existing works.

d. "Executable Files" refer to the executables, binary files, configuration and any required data files included in the Work.

e. "Publisher" means the provider of the website, magazine, CD-ROM, DVD or other medium from or by which the Work is obtained by You.

f. "Source Code" refers to the collection of source code and configuration files used to create the Executable Files.

g. "Standard Version" refers to such a Work if it has not been modified, or has been modified in accordance with the consent of the Author, such consent being in the full discretion of the Author.

h. "Work" refers to the collection of files distributed by the Publisher, including the Source Code, Executable Files, binaries, data files, documentation, whitepapers and the Articles.

i. "You" is you, an individual or entity wishing to use the Work and exercise your rights under this License.

2. Fair Use/Fair Use Rights. Nothing in this License is intended to reduce, limit, or restrict any rights arising from fair use, fair dealing, first sale or other limitations on the exclusive rights of the copyright owner under copyright law or other applicable laws.

3. License Grant. Subject to the terms and conditions of this License, the Author hereby grants You a worldwide, royalty-free, non-exclusive, perpetual (for the duration of the applicable copyright) license to exercise the rights in the Work as stated below:

a. You may use the standard version of the Source Code or Executable Files in Your own applications.

b. You may apply bug fixes, portability fixes and other modifications obtained from the Public Domain or from the Author. A Work modified in such a way shall still be considered the standard version and will be subject to this License.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

c. You may otherwise modify Your copy of this Work (excluding the Articles) in any way to create a Derivative Work, provided that You insert a prominent notice in each changed file stating how, when and where You changed that file.

d. You may distribute the standard version of the Executable Files and Source Code or Derivative Work in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution.

e. The Articles discussing the Work published in any form by the author may not be distributed or republished without the Author's consent. The author retains copyright to any such Articles. You may use the Executable Files and Source Code pursuant to this License but you may not repost or republish or otherwise distribute or make available the Articles, without the prior written consent of the Author.

Any subroutines or modules supplied by You and linked into the Source Code or Executable Files of this Work shall not be considered part of this Work and will not be subject to the terms of this License.

4. Patent License. Subject to the terms and conditions of this License, each Author 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, import, and otherwise transfer the Work.

5. Restrictions. The license granted in Section 3 above is expressly made subject to and limited by the following restrictions:

a. You agree not to remove any of the original copyright, patent, trademark, and attribution notices and associated disclaimers that may appear in the Source Code or Executable Files.

b. You agree not to advertise or in any way imply that this Work is a product of Your own.

c. The name of the Author may not be used to endorse or promote products derived from the Work without the prior written consent of the Author.

d. You agree not to sell, lease, or rent any part of the Work. This does not restrict you from including the Work or any part of the Work inside a larger software distribution that itself is being sold. The Work by itself, though, cannot be sold, leased or rented.

e. You may distribute the Executable Files and Source Code only under the terms of this License, and You must include a copy of, or the Uniform Resource Identifier for, this License with every copy of the Executable Files or Source Code You distribute and ensure that anyone receiving such Executable Files and Source Code agrees that the terms of this License apply to such Executable Files and/or Source Code. You may not offer or impose any terms on the Work that alter or restrict the terms of this License or the recipients' exercise of the rights granted hereunder. You may not sublicense the Work. You must keep intact all notices that refer to this License and to the disclaimer of warranties. You may not distribute the Executable Files or Source Code with any technological measures that control access or use of the Work in a manner inconsistent with the terms of this License.

f. You agree not to use the Work for illegal, immoral or improper purposes, or on pages containing illegal, immoral or improper material. The Work is subject to applicable export laws. You agree to comply with all such laws and regulations that may apply to the Work after Your receipt of the Work.

6. Representations, Warranties and Disclaimer. THIS WORK IS PROVIDED "AS IS", "WHERE IS" AND "AS AVAILABLE", WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES OR CONDITIONS OR GUARANTEES. YOU, THE USER, ASSUME ALL RISK IN ITS USE, INCLUDING COPYRIGHT INFRINGEMENT, PATENT INFRINGEMENT, SUITABILITY, ETC. AUTHOR EXPRESSLY DISCLAIMS ALL EXPRESS, IMPLIED OR STATUTORY WARRANTIES

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

OR CONDITIONS, INCLUDING WITHOUT LIMITATION, WARRANTIES OR CONDITIONS OF MERCHANTABILITY, MERCHANTABLE QUALITY OR FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OF TITLE OR NON-INFRINGEMENT, OR THAT THE WORK (OR ANY PORTION THEREOF) IS CORRECT, USEFUL, BUG-FREE OR FREE OF VIRUSES. YOU MUST PASS THIS DISCLAIMER ON WHENEVER YOU DISTRIBUTE THE WORK OR DERIVATIVE WORKS.

7. Indemnity. You agree to defend, indemnify and hold harmless the Author and the Publisher from and against any claims, suits, losses, damages, liabilities, costs, and expenses (including reasonable legal or attorneys' fees) resulting from or relating to any use of the Work by You.

8. Limitation on Liability. EXCEPT TO THE EXTENT REQUIRED BY APPLICABLE LAW, IN NO EVENT WILL THE AUTHOR OR THE PUBLISHER BE LIABLE TO YOU ON ANY LEGAL THEORY FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR EXEMPLARY DAMAGES ARISING OUT OF THIS LICENSE OR THE USE OF THE WORK OR OTHERWISE, EVEN IF THE AUTHOR OR THE PUBLISHER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

9. Termination.

a. This License and the rights granted hereunder will terminate automatically upon any breach by You of any term of this License. Individuals or entities who have received Derivative Works from You under this License, however, will not have their licenses terminated provided such individuals or entities remain in full compliance with those licenses. Sections 1, 2, 6, 7, 8, 9, 10 and 11 will survive any termination of this License.

b. If You bring a copyright, trademark, patent or any other infringement claim against any contributor over infringements You claim are made by the Work, your License from such contributor to the Work ends automatically.

c. Subject to the above terms and conditions, this License is perpetual (for the duration of the applicable copyright in the Work). Notwithstanding the above, the Author reserves the right to release the Work under different license terms or to stop distributing the Work at any time; provided, however that any such election will not serve to withdraw this License (or any other license that has been, or is required to be, granted under the terms of this License), and this License will continue in full force and effect unless terminated as stated above.

10. Publisher. The parties hereby confirm that the Publisher shall not, under any circumstances, be responsible for and shall not have any liability in respect of the subject matter of this License. The Publisher makes no warranty whatsoever in connection with the Work and shall not be liable to You or any party on any legal theory for any damages whatsoever, including without limitation any general, special, incidental or consequential damages arising in connection to this license. The Publisher reserves the right to cease making the Work available to You at any time without notice

11. Miscellaneous

a. This License shall be governed by the laws of the location of the head office of the Author or if the Author is an individual, the laws of location of the principal place of residence of the Author.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

c. No term or provision of this License shall be deemed waived and no breach consented to unless such waiver or consent shall be in writing and signed by the party to be charged with such waiver or consent.

d. This License constitutes the entire agreement between the parties with respect to the Work licensed herein. There are no understandings, agreements or representations with respect to the Work not specified herein. The Author shall not be bound by any additional provisions that may appear in any communication from You. This License may not be modified without the mutual written agreement of the Author and You.

Commons Compress Fourth-Party Licenses

4th party dependencies distributed by PeopleSoft for commons compress.

From Notice File:

The files in the package org.apache.commons.compress.archivers.sevenz

were derived from the LZMA SDK, version 9.20 (C/ and CPP/7zip/),

which has been placed in the public domain:

"LZMA SDK is placed in the public domain." (http://www.7-zip.org/sdk.html)

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

BSD 2-Clause License:

* zstd-jni (com.github.luben:zstd-jni:1.3.3-3 - https://github.com/luben/zstd-jni)

BSD License

Redistribution and use in source and binary forms, with or without modification,

are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this

list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this

list of conditions and the following disclaimer in the documentation and/or

other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND

ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

MIT License:

* org.brotli:dec (org.brotli:dec:0.1.2 - http://brotli.org/dec)

Permission is hereby granted, free of charge, to any person obtaining a copy

of this software and associated documentation files (the "Software"), to deal

in the Software without restriction, including without limitation the rights

to use, copy, modify, merge, publish, distribute, sublicense, and/or sell

copies of the Software, and to permit persons to whom the Software is

furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in

all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR

IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,

FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE

AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER

LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,

OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN

THE SOFTWARE.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Public Domain:

* XZ for Java (org.tukaani:xz:1.8 - https://tukaani.org/xz/java.html)

The Apache Software License, Version 2.0:

* org.osgi.core (org.osgi:org.osgi.core:6.0.0 - http://www.osgi.org)

Commons Digester Fourth-Party Licenses

4th party dependencies distributed by PeopleSoft for commons-digester:

---

commons-logging 1.1.1

From commons-logging 1.1.1 NOTICE.txt

// --

// NOTICE file corresponding to the section 4d of The Apache License,

// Version 2.0, in this case for Commons Logging

// --

Commons Logging

Copyright 2001-2007 The Apache Software Foundation

Apache 2.0 License (see above for verbiage)

---

commons-beanutil 3.2

From commons-beanutil 3.2 NOTICE.txt

Apache Commons BeanUtils

Copyright 2000-2019 The Apache Software Foundation

This product includes software developed at

The Apache Software Foundation (http://www.apache.org/).

Apache 2.0 License (see above for verbiage)

cx_Oracle License

LICENSE AGREEMENT FOR CX_ORACLE

Copyright 2016, 2018, Oracle and/or its affiliates. All rights reserved.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Portions Copyright 2007-2015, Anthony Tuininga. All rights reserved.

Portions Copyright 2001-2007, Computronix (Canada) Ltd., Edmonton, Alberta,

Canada. 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 disclaimer that follows.

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 names of the copyright holders nor the names of any contributors

may be used to endorse or promote products derived from this software

without specific prior written permission.

DISCLAIMER: THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS

AS IS AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO,

THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE

ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS 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.

Computronix is a registered trademark of Computronix (Canada) Ltd.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Eclipse Distribution License, Version 1.0

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

All rights reserved.

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

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

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

Eclipse Public License, Version 2.0

Eclipse Public License - v 2.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE

PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION

OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS

"Contribution" means:

a) in the case of the initial Contributor, the initial content

Distributed under this Agreement, and

b) in the case of each subsequent Contributor:

i) changes to the Program, and

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

ii) additions to the Program;

where such changes and/or additions to the Program originate from and are Distributed by that particular Contributor. A Contribution "originates" from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include changes or additions to the Program that are not Modified Works.

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

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

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

"Recipient" means anyone who receives the Program under this Agreement or any Secondary License (as applicable), including Contributors.

"Derivative Works" shall mean any work, whether in Source Code or other form, that is based on (or derived from) the Program and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship.

"Modified Works" shall mean any work in Source Code or other form that results from an addition to, deletion from, or modification of the contents of the Program, including, for purposes of clarity any new file in Source Code form that contains any contents of the Program. Modified Works shall not include works that contain only declarations, interfaces, types, classes, structures, or files of the Program solely in each case in order to link to, bind by name, or subclass the Program or Modified Works thereof.

"Distribute" means the acts of a) distributing or b) making available in any manner that enables the transfer of a copy.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

"Source Code" means the form of a Program preferred for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Secondary License" means either the GNU General Public License, Version 2.0, or any later versions of that license, including any exceptions or additional permissions as identified by the initial Contributor.

2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, Distribute and sublicense the Contribution of such Contributor, if any, and such Derivative Works.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in Source Code or other form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to Distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

e) Notwithstanding the terms of any Secondary License, no Contributor makes additional grants to any Recipient (other than those set forth in this Agreement) as a result of such Recipient's receipt of the Program under the terms of a Secondary License (if permitted under the terms of Section 3).

3. REQUIREMENTS

3.1 If a Contributor Distributes the Program in any form, then:

a) the Program must also be made available as Source Code, in accordance with section 3.2, and the Contributor must accompany the Program with a statement that the Source Code for the Program is available under this Agreement, and informs Recipients how to obtain it in a reasonable manner on or through a medium customarily used for software exchange; and

b) the Contributor may Distribute the Program under a license different than this Agreement, provided that such license:

i) effectively disclaims on behalf of all other Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

implied warranties or conditions of merchantability and fitness
for a particular purpose;
ii) effectively excludes on behalf of all other Contributors all
liability for damages, including direct, indirect, special,
incidental and consequential damages, such as lost profits;
iii) does not attempt to limit or alter the recipients' rights
in the Source Code under section 3.2; and
iv) requires any subsequent distribution of the Program by any
party to be under a license that satisfies the requirements
of this section 3.
3.2 When the Program is Distributed as Source Code:
a) it must be made available under this Agreement, or if the
Program (i) is combined with other material in a separate file or
files made available under a Secondary License, and (ii) the initial
Contributor attached to the Source Code the notice described in
Exhibit A of this Agreement, then the Program may be made available
under the terms of such Secondary Licenses, and
b) a copy of this Agreement must be included with each copy of
the Program.
3.3 Contributors may not remove or alter any copyright, patent,
trademark, attribution notices, disclaimers of warranty, or limitations
of liability ("notices") contained within the Program from any copy of
the Program which they Distribute, provided that Contributors may add
their own appropriate notices.
4. COMMERCIAL DISTRIBUTION
Commercial distributors of software may accept certain responsibilities
with respect to end users, business partners and the like. While this
license is intended to facilitate the commercial use of the Program,
the Contributor who includes the Program in a commercial product

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

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

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, AND TO THE EXTENT

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

6. DISCLAIMER OF LIABILITY

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

7. GENERAL

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

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

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

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be Distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to Distribute the Program (including its Contributions) under the new version.

Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

under this Agreement are reserved. Nothing in this Agreement is intended
to be enforceable by any entity that is not a Contributor or Recipient.
No third-party beneficiary rights are created under this Agreement.
Exhibit A - Form of Secondary Licenses Notice
"This Source Code may also be made available under the following
Secondary Licenses when the conditions for such availability set forth
in the Eclipse Public License, v. 2.0 are satisfied: {name license(s),
version(s), and exceptions or additional permissions here}."
Simply including a copy of this Agreement, including this Exhibit A
is not sufficient to license the Source Code under Secondary Licenses.
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.

Elasticsearch Fourth-Party Licenses

4th party dependencies distributed by PeopleSoft for Elasticsearch:

==========

Notice Information

==========

Elasticsearch
Copyright 2009-2018 Elasticsearch
This product includes software developed by The Apache Software
Foundation (http://www.apache.org/).
This product includes software developed by
Joda.org (http://www.joda.org/).

==========

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Apache Copyright License for Langdetect 0.6

==========

Copyright 2011 Fabian Kessler

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.

asm-5.0.4.jar

==========

Copyright (c) 2000-2011 INRIA, France Telecom

All rights reserved.

BSD 3-Clause License

==========

HdrHistogram LICENSE

==========

HdrHistogram License

==========

antlr4-runtime-4.5.1-1.jar

==========

[The BSD License]

Copyright (c) 2012 Terence Parr and Sam Harwell

All rights reserved.

BSD 3-Clause License

==========

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

antlr4-runtime LICENSE

==========

[The "BSD license"]

Copyright (c) 2015 Terence Parr, Sam Harwell

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 name of the author may not be used to endorse or promote products

derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR

IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES

OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.

IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,

INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT

NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,

DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY

THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT

(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF

THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

==========

asm LICENSE

==========

Copyright (c) 2012 France Télécom

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

All rights reserved.

BSD 3-Clause License

==========

compiler LICENSE

==========

Copyright 2010 RightTime, Inc.

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.

==========

geoip2 NOTICE

==========

This software is Copyright (c) 2013 by MaxMind, Inc.

This is free software, licensed under the Apache License, Version 2.0.

==========

geoip2 LICENSE Apache License 2.0

==========

==========

hppc NOTICE

==========

ACKNOWLEDGEMENT

==========

HPPC borrowed code, ideas or both from:

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

* Apache Lucene, http://lucene.apache.org/

(Apache license)

* Fastutil, http://fastutil.di.unimi.it/

(Apache license)

* Koloboke, https://github.com/OpenHFT/Koloboke

(Apache license)

==========

hppc LICENSE Apache License 2.0

==========

==========

jna LICENSE Apache License 2.0

==========

==========

joda-time NOTICE

==========

==========

= NOTICE file corresponding to section 4d of the Apache License Version 2.0 =

==========

This product includes software developed by

Joda.org (http://www.joda.org/).

==========

joda-time LICENSE Apache License 2.0

==========

==========

jts-core LICENSE

==========

Eclipse Distribution License - v 1.0

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

All rights reserved.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Redistribution and use in source and binary forms, with or without

modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this

list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice,

this list of conditions and the following disclaimer in the documentation

and/or other materials provided with the distribution.

Neither the name of the Eclipse Foundation, Inc. nor the names of its

contributors may be used to endorse or promote products derived from this

software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND

ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED

WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE

DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR

ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES

(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;

LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON

ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT

(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS

SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

==========

log4j NOTICE

==========

Apache log4j

Copyright 2007 The Apache Software Foundation

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

This product includes software developed at

The Apache Software Foundation (http://www.apache.org/).

==========

log4j LICENSE Apache License 2.0

==========

==========

log4j-api NOTICE

==========

Apache log4j

Copyright 2007 The Apache Software Foundation

This product includes software developed at

The Apache Software Foundation (http://www.apache.org/).

==========

log4j-api LICENSE Apache License 2.0

==========

==========

log4j-core NOTICE

==========

Apache log4j

Copyright 2007 The Apache Software Foundation

This product includes software developed at

The Apache Software Foundation (http://www.apache.org/).

==========

log4j-core LICENSE Apache License 2.0

==========

==========

lucene NOTICE

==========

Apache Lucene

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Copyright 2014 The Apache Software Foundation

This product includes software developed at

The Apache Software Foundation (http://www.apache.org/).

Includes software from other Apache Software Foundation projects,

including, but not limited to:

- Apache Ant

- Apache Jakarta Regexp

- Apache Commons

- Apache Xerces

ICU4J, (under analysis/icu) is licensed under an MIT styles license

and Copyright (c) 1995-2008 International Business Machines Corporation and others

Some data files (under analysis/icu/src/data) are derived from Unicode data such

as the Unicode Character Database. See http://unicode.org/copyright.html for more

details.

Brics Automaton (under core/src/java/org/apache/lucene/util/automaton) is

BSD-licensed, created by Anders Møller. See http://www.brics.dk/automaton/

The levenshtein automata tables (under core/src/java/org/apache/lucene/util/automaton) were

automatically generated with the moman/finenight FSA library, created by

Jean-Philippe Barrette-LaPierre. This library is available under an MIT license,

see http://sites.google.com/site/rrettesite/moman and

http://bitbucket.org/jpbarrette/moman/overview/

The class org.apache.lucene.util.WeakIdentityMap was derived from

the Apache CXF project and is Apache License 2.0.

The Google Code Prettify is Apache License 2.0.

fSee http://code.google.com/p/google-code-prettify/

JUnit (junit-4.10) is licensed under the Common Public License v. 1.0

See http://junit.sourceforge.net/cpl-v10.html

==========

spatial4j-0.7.jar : Apache License

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

==========

<!--

~~~~~~

~ Copyright (c) 2015 Voyager Search and others

~ All rights reserved. This program and the accompanying materials

~ are made available under the terms of the Apache License, Version 2.0 which

~ accompanies this distribution and is available at

~ http://www.apache.org/licenses/LICENSE-2.0.txt

~~~~~~

==========

lucene LICENSE Apache License 2.0

==========

Some code in core/src/java/org/apache/lucene/util/UnicodeUtil.java was

derived from unicode conversion examples available at

http://www.unicode.org/Public/PROGRAMS/CVTUTF. Here is the copyright

from those sources:

Copyright 2001-2004 Unicode, Inc.

Disclaimer

This source code is provided as is by Unicode, Inc. No claims are

made as to fitness for any particular purpose. No warranties of any

kind are expressed or implied. The recipient agrees to determine

applicability of information provided. If this file has been

purchased on magnetic or optical media from Unicode, Inc., the

sole remedy for any claim will be exchange of defective media

within 90 days of receipt.

Limitations on Rights to Redistribute This Code

Unicode, Inc. hereby grants the right to freely use the information

supplied in this file in the creation of products supporting the

Unicode Standard, and to make copies of this file in any form

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

for internal or external distribution as long as this notice
remains attached.
Some code in core/src/java/org/apache/lucene/util/ArrayUtil.java was
derived from Python 2.4.2 sources available at
http://www.python.org. Full license is here:
http://www.python.org/download/releases/2.4.2/license/
Some code in core/src/java/org/apache/lucene/util/UnicodeUtil.java was
derived from Python 3.1.2 sources available at
http://www.python.org. Full license is here:
http://www.python.org/download/releases/3.1.2/license/
Some code in core/src/java/org/apache/lucene/util/automaton was
derived from Brics automaton sources available at
www.brics.dk/automaton/. Here is the copyright from those sources:
Copyright (c) 2001-2009 Anders Moeller
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 name of the author may not be used to endorse or promote products
derived from this software without specific prior written permission.
THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR
IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The levenshtein automata tables in core/src/java/org/apache/lucene/util/automaton
were automatically generated with the moman/finenight FSA package.
Here is the copyright for those sources:

Copyright (c) 2010, Jean-Philippe Barrette-LaPierre,

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

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

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

Some code in core/src/java/org/apache/lucene/util/UnicodeUtil.java was

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

derived from ICU (http://www.icu-project.org)

The full license is available here:

http://source.icu-project.org/repos/icu/icu/trunk/license.html

Copyright (C) 1999-2010, International Business Machines

Corporation and others. All Rights Reserved.

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, and/or sell copies of the

Software, and to permit persons to whom the Software is furnished to do so,

provided that the above copyright notice(s) and this permission notice appear

in all copies of the Software and that both the above copyright notice(s) and

this permission notice appear in supporting documentation.

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 OF THIRD PARTY RIGHTS.

IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE

LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR

ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER

IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT

OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not

be used in advertising or otherwise to promote the sale, use or other

dealings in this Software without prior written authorization of the

copyright holder.

==========

netty NOTICE

==========

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

The Netty Project

==========

Please visit the Netty web site for more information:

http://netty.io/

Copyright 2011 The Netty Project

The Netty Project licenses this file to you 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.

Also, please refer to each LICENSE..txt file, which is located in
the 'license' directory of the distribution file, for the license terms of the
components that this product depends on.

This product contains the extensions to Java Collections Framework which has
been derived from the works by JSR-166 EG, Doug Lea, and Jason T. Greene:

LICENSE:

license/LICENSE.jsr166y.txt (Public Domain)

HOMEPAGE:

http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/

http://viewvc.jboss.org/cgi-bin/viewvc.cgi/jbosscache/experimental/jsr166/

This product contains a modified version of Robert Harder's Public Domain
Base64 Encoder and Decoder, which can be obtained at:

LICENSE:

license/LICENSE.base64.txt (Public Domain)

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

HOMEPAGE:

http://iharder.sourceforge.net/current/java/base64/

This product contains a modified version of 'JZlib', a re-implementation of

zlib in pure Java, which can be obtained at:

LICENSE:

license/LICENSE.jzlib.txt (BSD Style License)

HOMEPAGE:

http://www.jcraft.com/jzlib/

This product contains a modified version of 'Webbit', a Java event based

WebSocket and HTTP server:

LICENSE:

license/LICENSE.webbit.txt (BSD License)

HOMEPAGE:

https://github.com/joewalnes/webbit

This product optionally depends on 'Protocol Buffers', Google's data

interchange format, which can be obtained at:

LICENSE:

license/LICENSE.protobuf.txt (New BSD License)

HOMEPAGE:

http://code.google.com/p/protobuf/

This product optionally depends on 'Bouncy Castle Crypto APIs' to generate

a temporary self-signed X.509 certificate when the JVM does not provide the

equivalent functionality. It can be obtained at:

LICENSE:

license/LICENSE.bouncycastle.txt (MIT License)

HOMEPAGE:

http://www.bouncycastle.org/

This product optionally depends on 'SLF4J', a simple logging facade for Java,

which can be obtained at:

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

LICENSE:

license/LICENSE.slf4j.txt (MIT License)

HOMEPAGE:

http://www.slf4j.org/

This product optionally depends on 'Apache Commons Logging', a logging

framework, which can be obtained at:

LICENSE:

license/LICENSE.commons-logging.txt (Apache License 2.0)

HOMEPAGE:

http://commons.apache.org/logging/

This product optionally depends on 'Apache Log4J', a logging framework,

which can be obtained at:

LICENSE:

license/LICENSE.log4j.txt (Apache License 2.0)

HOMEPAGE:

http://logging.apache.org/log4j/

This product optionally depends on 'Apache Felix', an open source OSGi

framework implementation, which can be obtained at:

LICENSE:

license/LICENSE.felix.txt (Apache License 2.0)

HOMEPAGE:

http://felix.apache.org/

==========

netty LICENSE Apache License 2.0

==========

==========

t-digest NOTICE

==========

The code for the t-digest was originally authored by Ted Dunning

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

A number of small but very helpful changes have been contributed by Adrien Grand (https://github.com/jpountz)

==========

t-digest LICENSE Apache License 2.0

==========

==========

jts-core-1.15.0.jar

==========

GNU LESSER GENERAL PUBLIC LICENSE

Version 3, 29 June 2007

GNU Lesser General Public License, Version 3

GNU General Public License, Version 2

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

modification follow.

GNU GENERAL PUBLIC LICENSE

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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 a brief idea of what it does.>

Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

GNU Lesser General Public License, Version 2.1

GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.

51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

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

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

Preamble

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

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

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge

for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

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

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

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

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

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

consistent with the full freedom of use specified in this license.
Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.
When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.
We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.
For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.
In other cases, permission to use a particular library in non-free

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

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

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

GNU LESSER GENERAL PUBLIC LICENSE

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

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

Each licensee is addressed as "you".

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

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

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

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

7. You may place library facilities that are a work based on the
Library 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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

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

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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 a brief 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 Lesser General Public

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

License as published by the Free Software Foundation; either
version 2.1 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
Lesser General Public License for more details.
You should have received a copy of the GNU Lesser General Public
License along with this library; 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.
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!

GNU Lesser General Public License, Version 3

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007
Copyright (C) 2007 Free Software Foundation, Inc. <https://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.
This version of the GNU Lesser General Public License incorporates
the terms and conditions of version 3 of the GNU General Public
License, supplemented by the additional permissions listed below.
0. Additional Definitions.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

As used herein, "this License" refers to version 3 of the GNU Lesser General Public License, and the "GNU GPL" refers to version 3 of the GNU General Public License.

"The Library" refers to a covered work governed by this License, other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library. Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.

3. Object Code Incorporating Material from Library Header Files.

The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.

4. Combined Works.

You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

document.

c) For a Combined Work that displays copyright notices during
execution, include the copyright notice for the Library among
these notices, as well as a reference directing the user to the
copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this
License, and the Corresponding Application Code in a form
suitable for, and under terms that permit, the user to
recombine or relink the Application with a modified version of
the Linked Version to produce a modified Combined Work, in the
manner specified by section 6 of the GNU GPL for conveying
Corresponding Source.

1) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (a) uses at run time
a copy of the Library already present on the user's computer
system, and (b) will operate properly with a modified version
of the Library that is interface-compatible with the Linked
Version.

e) Provide Installation Information, but only if you would otherwise
be required to provide such information under section 6 of the
GNU GPL, and only to the extent that such information is
necessary to install and execute a modified version of the
Combined Work produced by recombining or relinking the
Application with a modified version of the Linked Version. (If
you use option 4d0, the Installation Information must accompany
the Minimal Corresponding Source and Corresponding Application
Code. If you use option 4d1, you must provide the Installation
Information in the manner specified by section 6 of the GNU GPL

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

for conveying Corresponding Source.)

5. Combined Libraries.

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 that are not Applications and are not covered by this
License, and convey such a combined library under terms of your
choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based
on the Library, uncombined with any other library facilities,
conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it
is a work based on the Library, and explaining where to find the
accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions
of the GNU Lesser General Public License from time to time. Such new
versions will be similar in spirit to the present version, but may
differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the
Library as you received it specifies that a certain numbered version
of the GNU Lesser General Public License "or any later version"
applies to it, you have the option of following the terms and
conditions either of that published version or of any later version
published by the Free Software Foundation. If the Library as you
received it does not specify a version number of the GNU Lesser
General Public License, you may choose any version of the GNU Lesser
General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide
whether future versions of the GNU Lesser General Public License shall

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

apply, that proxy's public statement of acceptance of any version is
permanent authorization for you to choose that version for the
Library.

Gson License

Google Gson

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

(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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright (C) 2008 Google Inc.

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.

Copyright (C) 2009 Google Inc.

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.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

See the License for the specific language governing permissions and
limitations under the License.

Copyright (C) 2010 Google Inc.

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.

Copyright (C) 2011 Google Inc.

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.

Copyright (C) 2012 Google Inc.

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,

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

Copyright (C) 2014 Google Inc.

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.

Copyright (C) 2015 Google Inc.

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.

Copyright (C) 2016 The Gson Authors

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

Copyright (C) 2016 Google Inc.

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.

Copyright (C) 2017 The Gson authors

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.

Copyright (C) 2017 Google Inc.

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

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

Copyright (C) 2018 The Gson authors

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.

Guava Fourth-Party Licenses

4th party dependencies distributed by PeopleSoft for Guava:

---

com.google.code.findbugs » jsr305 3.0.2

COPYRIGHT: (C) University of Maryland

LICENSE:

The JSR-305 reference implementation (lib/jsr305.jar) is

distributed under the terms of the New BSD license:

http://www.opensource.org/licenses/bsd-license.php

See the JSR-305 home page for more information:

http://code.google.com/p/jsr-305/

BSD 3-Clause License

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

com.google.errorprone » error_prone_annotations 2.2.0

COPYRIGHT: Copyright 2017 The Error Prone Authors.

LICENSE: Apache 2.0 https://github.com/google/error-prone/blob/v2.2.0/COPYING

---

com.google.guava » failureaccess 1.0.1

(part of google guava 27.0.1-jre. same license and copyright)

---

com.google.guava » listenablefuture 9999.0-empty-...

(part of google guava 27.0.1-jre. same license and copyright)

---

com.google.j2objc » j2objc-annotations 1.1

COPYRIGHT: (C) Daniel Connelly and Google, Inc.

LICENSE: Apache 2.0 https://github.com/google/j2objc/blob/1.1/LICENSE

---

org.checkerframework » checker-qual 2.5.2

COPYRIGHT: Copyright 2004-present by the Checker Framework developers

LICENSE:

Most of the Checker Framework is licensed under the GNU General Public

License, version 2 (GPL2), with the classpath exception. The text of this

license appears below. This is the same license used for OpenJDK.

A few parts of the Checker Framework have more permissive licenses.

* The annotations are licensed under the MIT License. (The text of this

license appears below.) More specifically, all the parts of the Checker

Framework that you might want to include with your own program use the

MIT License. This is the checker-qual.jar file and all the files that

appear in it: every file in a qual/ directory, plus utility files such

as NullnessUtil.java, RegexUtil.java, SignednessUtil.java, etc.

In addition, the cleanroom implementations of third-party annotations,

which the Checker Framework recognizes as aliases for its own

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

annotations, are licensed under the MIT License.

Some external libraries that are included with the Checker Framework have
different licenses.

* javaparser is dual licensed under the LGPL or the Apache license -- you
may use it under whichever one you want. (The javaparser source code
contains a file with the text of the GPL, but it is not clear why, since
javaparser does not use the GPL.) See file stubparser/LICENSE
and the source code of all its files. Oracle elects the Apache License.

* JUnit is licensed under the Common Public License v1.0 (see
http://www.junit.org/license), with parts (Hamcrest) licensed under the
BSD License (see http://hamcrest.org/JavaHamcrest/).

* plume-lib is licensed under the MIT License.

The Checker Framework includes annotations for the JDK in directory
checker/jdk/, and for some other libraries. Each annotated library uses
the same license as the unannotated version of the library.

For a copy of the GNU General Public License, see GNU General Public License, Version 2.

"CLASSPATH" EXCEPTION TO THE GPL

Certain source files distributed by Oracle America and/or its affiliates are
subject to the following clarification and special exception to the GPL, but
only where Oracle has expressly included in the particular source file's header
the words "Oracle designates this particular file as subject to the "Classpath"
exception as provided by Oracle in the LICENSE file that accompanied this code."

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

==========

MIT License:

MIT License

==========

---

org.codehaus.mojo » animal-sniffer-annotations 1.17

COPYRIGHT and LICENSE:

The MIT License

Copyright (c) 2009 codehaus.org.

MIT License

HdrHistogram License

The code in this repository code was Written by Gil Tene, Michael Barker, and Matt Warren, and released to the public domain, as explained at http://creativecommons.org/publicdomain/zero/1.0/

For users of this code who wish to consume it under the "BSD" license rather than under the public domain or CC0 contribution text mentioned above, the code found under this directory is *also* provided under the following license (commonly referred to as the BSD 2-Clause License). This license does not detract from the above stated release of the code into the public domain, and simply represents an additional license granted by the Author.

** Beginning of "BSD 2-Clause License" text. **

Copyright (c) 2012, 2013, 2014 Gil Tene

Copyright (c) 2014 Michael Barker

Copyright (c) 2014 Matt Warren

All rights reserved.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

BSD 2-Clause License

HttpComponents HTTP Client Fourth-Party Licenses

4th party dependencies distributed by PeopleSoft for HttpComponents HTTP Client:

--- copyright notice of 4-th dependency #1 - httpcore 4.4.11 ---

Apache HttpComponents Core

Copyright 2005-2019 The Apache Software Foundation

This product includes software developed at

The Apache Software Foundation (http://www.apache.org/).

--- license term of 4-th dependency #1 - httpcore 4.4.11 ---

LICENSE: Apache 2.0 https://github.com/apache/httpcomponents-core/blob/4.4.11/LICENSE.txt

--- copyright notice of 4-th dependency #2 - commons-logging 1.2 ---

Apache Commons Logging

Copyright 2003-2014 The Apache Software Foundation

This product includes software developed at

The Apache Software Foundation (http://www.apache.org/).

--- license term of 4-th dependency #2 - commons-logging 1.2 ---

LICENSE: Apache 2.0 https://github.com/apache/commons-logging/blob/LOGGING_1_2/LICENSE.txt

--- copyright term 4-th dependency #3 - commons-codec 1.12 ---

Apache Commons Codec

Copyright 2002-2017 The Apache Software Foundation

This product includes software developed at

The Apache Software Foundation (http://www.apache.org/).

src/test/org/apache/commons/codec/language/DoubleMetaphoneTest.java

contains test data from http://aspell.net/test/orig/batch0.tab.

Copyright (C) 2002 Kevin Atkinson (kevina@gnu.org)

==========

The content of package org.apache.commons.codec.language.bm has been translated

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

from the original php source code available at http://stevemorse.org/phoneticinfo.htm

with permission from the original authors.

Original source copyright:

Copyright (c) 2008 Alexander Beider & Stephen P. Morse.

--- copyright term 4-th dependency #3 - commons-codec 1.12 ---

LICENSE: Apache 2.0 https://github.com/apache/commons-codec/blob/commons-codec-1.12/LICENSE.txt

idna License

Copyright (c) 2013-2018, Kim Davies. All rights reserved.

BSD 3-Clause License

Portions of the codec implementation and unit tests are derived from the Python standard library, which carries the Python Software Foundation License:

Copyright (c) 2001-2014 Python Software Foundation; All Rights Reserved

Portions of the unit tests are derived from the Unicode standard, which is subject to the Unicode, Inc. License Agreement:

Copyright (c) 1991-2014 Unicode, Inc. All rights reserved. Distributed under the Terms of Use in <http://www.unicode.org/copyright.html>.

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

(a) this copyright and permission notice appear with all copies of the Data Files or Software,

(b) this copyright and permission notice appear in associated documentation, and

(c) there is clear notice in each modified Data File or in the Software as well as in the documentation associated with the Data File(s) or Software that the data or software has been modified.

THE DATA FILES AND SOFTWARE ARE 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 OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

ISC License

Permission to use, copy, modify, and distribute this software for any

purpose with or without fee is hereby granted, provided that the above

copyright notice and this permission notice appear in all copies.

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.

Java Mail Fourth-Party Licenses

4th party dependencies distributed by PeopleSoft for Java Mail:

Copyright (c) 2016, 2018 Oracle and/or its affiliates. All rights reserved.

Copyright (c) 2016, 2018 Jason Mehrens. All rights reserved.

This program and the accompanying materials are made available under the

terms of the Eclipse Public License v. 2.0, which is available at

http://www.eclipse.org/legal/epl-2.0.

This Source Code may also be made available under the following Secondary

Licenses when the conditions for such availability set forth in the

Eclipse Public License v. 2.0 are satisfied: GNU General Public License,

version 2 with the GNU Classpath Exception, which is available at

https://www.gnu.org/software/classpath/license.html.

SPDX-License-Identifier: EPL-2.0 OR GPL-2.0 WITH Classpath-exception-2.0

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Copyright (c) 2013, 2018 Oracle and/or its affiliates. All rights reserved.

Copyright (c) 2013, 2018 Jason Mehrens. All rights reserved.

This program and the accompanying materials are made available under the

terms of the Eclipse Public License v. 2.0, which is available at

http://www.eclipse.org/legal/epl-2.0.

This Source Code may also be made available under the following Secondary

Licenses when the conditions for such availability set forth in the

Eclipse Public License v. 2.0 are satisfied: GNU General Public License,

version 2 with the GNU Classpath Exception, which is available at

https://www.gnu.org/software/classpath/license.html.

SPDX-License-Identifier: EPL-2.0 OR GPL-2.0 WITH Classpath-exception-2.0

Copyright (c) 2011, 2018 Oracle and/or its affiliates. All rights reserved.

This program and the accompanying materials are made available under the

terms of the Eclipse Public License v. 2.0, which is available at

http://www.eclipse.org/legal/epl-2.0.

This Source Code may also be made available under the following Secondary

Licenses when the conditions for such availability set forth in the

Eclipse Public License v. 2.0 are satisfied: GNU General Public License,

version 2 with the GNU Classpath Exception, which is available at

https://www.gnu.org/software/classpath/license.html.

SPDX-License-Identifier: EPL-2.0 OR GPL-2.0 WITH Classpath-exception-2.0

Copyright (c) 1996, 2018 Oracle and/or its affiliates. All rights reserved.

This program and the accompanying materials are made available under the

terms of the Eclipse Distribution License v. 1.0, which is available at

http://www.eclipse.org/org/documents/edl-v10.php.

SPDX-License-Identifier: BSD-3-Clause

Copyright (c) 1997, 2018 Oracle and/or its affiliates. All rights reserved.

This program and the accompanying materials are made available under the

terms of the Eclipse Distribution License v. 1.0, which is available at

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

http://www.eclipse.org/org/documents/edl-v10.php.

SPDX-License-Identifier: BSD-3-Clause

Copyright (c) 1998, 2018 Oracle and/or its affiliates. All rights reserved.

This program and the accompanying materials are made available under the

terms of the Eclipse Distribution License v. 1.0, which is available at

http://www.eclipse.org/org/documents/edl-v10.php.

SPDX-License-Identifier: BSD-3-Clause

Copyright (c) 2001, 2018 Oracle and/or its affiliates. All rights reserved.

This program and the accompanying materials are made available under the

terms of the Eclipse Distribution License v. 1.0, which is available at

http://www.eclipse.org/org/documents/edl-v10.php.

SPDX-License-Identifier: BSD-3-Clause

Copyright (c) 2005, 2018 Oracle and/or its affiliates. All rights reserved.

This program and the accompanying materials are made available under the

terms of the Eclipse Public License v. 2.0, which is available at

http://www.eclipse.org/legal/epl-2.0.

This Source Code may also be made available under the following Secondary

Licenses when the conditions for such availability set forth in the

Eclipse Public License v. 2.0 are satisfied: GNU General Public License,

version 2 with the GNU Classpath Exception, which is available at

https://www.gnu.org/software/classpath/license.html.

SPDX-License-Identifier: EPL-2.0 OR GPL-2.0 WITH Classpath-exception-2.0

Copyright (c) 2014, 2018 Oracle and/or its affiliates. All rights reserved.

This program and the accompanying materials are made available under the

terms of the Eclipse Public License v. 2.0, which is available at

http://www.eclipse.org/legal/epl-2.0.

This Source Code may also be made available under the following Secondary

Licenses when the conditions for such availability set forth in the

Eclipse Public License v. 2.0 are satisfied: GNU General Public License,

version 2 with the GNU Classpath Exception, which is available at
https://www.gnu.org/software/classpath/license.html.
SPDX-License-Identifier: EPL-2.0 OR GPL-2.0 WITH Classpath-exception-2.0
Copyright (c) 1997, 2018 Oracle and/or its affiliates. All rights reserved.
This program and the accompanying materials are made available under the
terms of the Eclipse Public License v. 2.0, which is available at
http://www.eclipse.org/legal/epl-2.0.
This Source Code may also be made available under the following Secondary
Licenses when the conditions for such availability set forth in the
Eclipse Public License v. 2.0 are satisfied: GNU General Public License,
version 2 with the GNU Classpath Exception, which is available at
https://www.gnu.org/software/classpath/license.html.
SPDX-License-Identifier: EPL-2.0 OR GPL-2.0 WITH Classpath-exception-2.0
Copyright (c) 2008, 2018 Oracle and/or its affiliates. All rights reserved.
This program and the accompanying materials are made available under the
terms of the Eclipse Public License v. 2.0, which is available at
http://www.eclipse.org/legal/epl-2.0.
This Source Code may also be made available under the following Secondary
Licenses when the conditions for such availability set forth in the
Eclipse Public License v. 2.0 are satisfied: GNU General Public License,
version 2 with the GNU Classpath Exception, which is available at
https://www.gnu.org/software/classpath/license.html.
SPDX-License-Identifier: EPL-2.0 OR GPL-2.0 WITH Classpath-exception-2.0
Copyright (c) 2009, 2018 Oracle and/or its affiliates. All rights reserved.
Copyright (c) 2009, 2018 Jason Mehrens. All rights reserved.
This program and the accompanying materials are made available under the
terms of the Eclipse Public License v. 2.0, which is available at
http://www.eclipse.org/legal/epl-2.0.
This Source Code may also be made available under the following Secondary

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Licenses when the conditions for such availability set forth in the
Eclipse Public License v. 2.0 are satisfied: GNU General Public License,
version 2 with the GNU Classpath Exception, which is available at
https://www.gnu.org/software/classpath/license.html.
SPDX-License-Identifier: EPL-2.0 OR GPL-2.0 WITH Classpath-exception-2.0
Copyright (c) 2010, 2018 Oracle and/or its affiliates. All rights reserved.
This program and the accompanying materials are made available under the
terms of the Eclipse Public License v. 2.0, which is available at
http://www.eclipse.org/legal/epl-2.0.
This Source Code may also be made available under the following Secondary
Licenses when the conditions for such availability set forth in the
Eclipse Public License v. 2.0 are satisfied: GNU General Public License,
version 2 with the GNU Classpath Exception, which is available at
https://www.gnu.org/software/classpath/license.html.
SPDX-License-Identifier: EPL-2.0 OR GPL-2.0 WITH Classpath-exception-2.0
Copyright (c) 2012, 2018 Oracle and/or its affiliates. All rights reserved.
This program and the accompanying materials are made available under the
terms of the Eclipse Public License v. 2.0, which is available at
http://www.eclipse.org/legal/epl-2.0.
This Source Code may also be made available under the following Secondary
Licenses when the conditions for such availability set forth in the
Eclipse Public License v. 2.0 are satisfied: GNU General Public License,
version 2 with the GNU Classpath Exception, which is available at
https://www.gnu.org/software/classpath/license.html.
SPDX-License-Identifier: EPL-2.0 OR GPL-2.0 WITH Classpath-exception-2.0
Copyright (c) 2013, 2018 Oracle and/or its affiliates. All rights reserved.
This program and the accompanying materials are made available under the
terms of the Eclipse Public License v. 2.0, which is available at
http://www.eclipse.org/legal/epl-2.0.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

This Source Code may also be made available under the following Secondary
Licenses when the conditions for such availability set forth in the
Eclipse Public License v. 2.0 are satisfied: GNU General Public License,
version 2 with the GNU Classpath Exception, which is available at
https://www.gnu.org/software/classpath/license.html.
SPDX-License-Identifier: EPL-2.0 OR GPL-2.0 WITH Classpath-exception-2.0
Copyright (c) 2015, 2018 Oracle and/or its affiliates. All rights reserved.
Copyright (c) 2015, 2018 Jason Mehrens. All rights reserved.
This program and the accompanying materials are made available under the
terms of the Eclipse Public License v. 2.0, which is available at
http://www.eclipse.org/legal/epl-2.0.
This Source Code may also be made available under the following Secondary
Licenses when the conditions for such availability set forth in the
Eclipse Public License v. 2.0 are satisfied: GNU General Public License,
version 2 with the GNU Classpath Exception, which is available at
https://www.gnu.org/software/classpath/license.html.
SPDX-License-Identifier: EPL-2.0 OR GPL-2.0 WITH Classpath-exception-2.0

---

jCrop Fourth-Party Licenses

4th party dependencies distributed by PeopleSoft for jCrop:

Fourth party dependencies

http-server version 0.11.1

resize-observer-polyfill version 1.5.0

http-server version 0.11.1

Copyright (c) 2011 Charlie Robbins, Marak Squires, and the Contributors.

Licensed under MIT https://github.com/indexzero/http-server/blob/master/LICENSE

Copyright (c) 2011 Charlie Robbins, Marak Squires, and the Contributors.

For a copy of the MIT license, see MIT License.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Dependencies of http-server (8)

colors version 1.0.3

corser version 2.0.0

ecstatic version 3.0.0

http-proxy version 1.8.1

opener version 1.4.0

optimist version 0.6.x

portfinder version 1.0.13

union version 0.4.3

colors version 1.0.3

Original Library

- Copyright (c) Marak Squires

Additional Functionality

- Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

Licensed under MIT https://github.com/Marak/colors.js/blob/master/LICENSE

MIT License

Original Library

- Copyright (c) Marak Squires

Additional Functionality

- Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

For a copy of the MIT license, see MIT License.

corser version 2.0.0

Copyright (C) 2012 Alexander Grüneberg

Licensed under MIT https://github.com/agrueneberg/Corser/blob/master/LICENSE

Copyright (C) 2012 Alexander Grüneberg

For a copy of the MIT license, see MIT License.

ecstatic version 3.0.0

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Copyright (c) 2013-2015 Joshua Holbrook and contributors

Licensed under MIT https://github.com/jfhbrook/node-ecstatic/blob/master/LICENSE.txt

The MIT License (MIT)

Copyright (c) 2013-2015 Joshua Holbrook and contributors

For a copy of the MIT license, see MIT License.

Dependencies (4)

he version 1.1.1

Copyright Mathias Bynens <https://mathiasbynens.be/>

License: https://github.com/jfromaniello/url-join/blob/master/LICENSE

MIT License

Copyright (c) 2015 José F. Romaniello

For a copy of the MIT license, see MIT License.

mime version 1.6.0

Copyright (c) 2010 Benjamin Thomas, Robert Kieffer

License: https://github.com/broofa/node-mime/blob/master/LICENSE

The MIT License (MIT)

Copyright (c) 2010 Benjamin Thomas, Robert Kieffer

For a copy of the MIT license, see MIT License.

minimist version 1.1.0

License: https://github.com/substack/minimist/blob/master/LICENSE

This software is released under the MIT license:

For a copy of the MIT license, see MIT License.

url-join version 2.0.5

Copyright (c) 2015 José F. Romaniello

License: https://github.com/jfromaniello/url-join/blob/master/LICENSE

MIT License

Copyright (c) 2015 José F. Romaniello

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

For a copy of the MIT license, see MIT License.

http-proxy version 1.8.1

Copyright (c) 2010-2016 Charlie Robbins, Jarrett Cruger & the Contributors.

Licensed under MIT https://github.com/nodejitsu/node-http-proxy/blob/master/LICENSE

node-http-proxy

Copyright (c) 2010-2016 Charlie Robbins, Jarrett Cruger & the Contributors.

For a copy of the MIT license, see MIT License.

Dependencies (3)

eventemitter3 version 3.0.0

Copyright (c) 2014 Arnout Kazemier

License: https://github.com/primus/eventemitter3/blob/master/LICENSE

The MIT License (MIT)

Copyright (c) 2014 Arnout Kazemier

For a copy of the MIT license, see MIT License.

requires-port version 1.0.0

Copyright (c) 2015 Unshift.io, Arnout Kazemier, the Contributors.

License: https://github.com/unshiftio/requires-port/blob/master/LICENSE

The MIT License (MIT)

Copyright (c) 2015 Unshift.io, Arnout Kazemier, the Contributors.

For a copy of the MIT license, see MIT License.

follow-redirects version 1.0.0

Copyright 2014–present Olivier Lalonde <olalonde@gmail.com>, James Talmage <james@talmage.io>, Ruben Verborgh

License: https://github.com/follow-redirects/follow-redirects/blob/master/LICENSE

Copyright 2014–present Olivier Lalonde <olalonde@gmail.com>, James Talmage <james@talmage.io>, Ruben Verborgh

For a copy of the MIT license, see MIT License.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

opener version 1.4.0

https://github.com/domenic/opener/blob/master/LICENSE.txt

Dual licensed under WTFPL and MIT:

Oracle elects the MIT license.

The MIT License (MIT)

Copyright © 2012–2018 Domenic Denicola <d@domenic.me>

For a copy of the MIT license, see MIT License.

optimist version 0.6.x

Copyright 2010 James Halliday (mail@substack.net)

License: MIT/X11 license https://github.com/substack/node-optimist/blob/master/LICENSE

Copyright 2010 James Halliday (mail@substack.net)

This project is free software released under the MIT/X11 license:

For a copy of the MIT license, see MIT License.

Dependencies (2)

wordwrap version 0.0.2

Licensed under MIT https://github.com/substack/node-wordwrap/blob/master/LICENSE

This software is released under the MIT license:

For a copy of the MIT license, see MIT License.

minimist version 0.0.1

Licensed under MIT https://github.com/substack/minimist/blob/master/LICENSE

This software is released under the MIT license:

For a copy of the MIT license, see MIT License.

portfinder version 1.0.13

Copyright (c) 2012 Charlie Robbins

Licensed under MIT https://github.com/indexzero/node-portfinder/blob/master/LICENSE

node-portfinder

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Copyright (c) 2012 Charlie Robbins

For a copy of the MIT license, see MIT License.

© 2019 GitHub, Inc.

Dependencies (3)

async version 1.5.2

Copyright (c) 2010-2018 Caolan McMahon

Licensed under MIT https://github.com/caolan/async/blob/master/LICENSE

Copyright (c) 2010-2018 Caolan McMahon

For a copy of the MIT license, see MIT License.

debug version 2.2.0

Copyright (c) 2014 TJ Holowaychuk <tj@vision-media.ca>

Licensed under MIT https://github.com/visionmedia/debug/blob/master/LICENSE

(The MIT License)

Copyright (c) 2014 TJ Holowaychuk <tj@vision-media.ca>

For a copy of the MIT license, see MIT License.

Dependencies (1)

ms version 2.1.1

Copyright (c) 2016 Zeit, Inc.

Licensed under MIT https://github.com/zeit/ms/blob/master/license.md

The MIT License (MIT)

Copyright (c) 2016 Zeit, Inc.

For a copy of the MIT license, see MIT License.

mkdirp version 0.5.x

Copyright 2010 James Halliday (mail@substack.net)

License: MIT/X11 license https://github.com/substack/node-mkdirp/blob/master/LICENSE

Copyright 2010 James Halliday (mail@substack.net)

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

This project is free software released under the MIT/X11 license:

For a copy of the MIT license, see MIT License.

Dependencies (1)

minimist version 0.0.8

Licensed under MIT https://github.com/substack/minimist/blob/master/LICENSE

This software is released under the MIT license:

For a copy of the MIT license, see MIT License.

union version 0.4.3

Copyright (c) 2010 Charlie Robbins & the Contributors.

Licensed under MIT https://github.com/flatiron/union/blob/master/LICENSE

Copyright (c) 2010 Charlie Robbins & the Contributors.

For a copy of the MIT license, see MIT License.

Dependencies (2)

qs version 6.4.0

Copyright (c) 2014 Nathan LaFreniere and other contributors.

License: BSD-3-Clause https://github.com/ljharb/qs/blob/master/LICENSE

Pkginfo

Copyright (c) 2014 Nathan LaFreniere and other contributors.

All rights reserved.

For a copy of the BSE 3-Clause license, see BSD 3-Clause License.

* * *

The complete list of contributors can be found at: https://github.com/hapijs/qs/graphs/contributors

Copyright (c) 2010 Charlie Robbins.

Licensed under MIT https://github.com/indexzero/node-pkginfo/blob/master/LICENSE

Copyright (c) 2010 Charlie Robbins.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

For a copy of the MIT license, see MIT License.

© 2019 GitHub, Inc.

resize-observer-polyfill version 1.5.0

Copyright (c) 2016 Denis Rul

Licensed under MIT https://github.com/que-etc/resize-observer-polyfill/blob/master/LICENSE

The MIT License (MIT)

Copyright (c) 2016 Denis Rul

For a copy of the MIT license, see MIT License.

JNA License

JNA is dual-licensed under 2 alternative Open Source/Free licenses: LGPL 2.1 and Apache License 2.0. (starting with JNA version 4.0.0).

What this means is that one can choose either one of these licenses (for purposes of re-distributing JNA; usually by including it as one of jars another application or library uses) by downloading corresponding jar file, using it, and living happily everafter.

You may obtain a copy of the LGPL License at:

http://www.gnu.org/licenses/licenses.html

A copy is also included in the downloadable source code package containing JNA, in file "LGPL2.1", under the same directory as this file.

You may obtain a copy of the ASL License at:

http://www.apache.org/licenses/

A copy is also included in the downloadable source code package containing JNA, in file "ASL2.0", under the same directory as this file.

JSch License

http://www.jcraft.com/jsch/LICENSE.txt

JSch 0.0.* was released under the GNU LGPL license. Later, we have switched

over to a BSD-style license.

Copyright (c) 2002-2015 Atsuhiko Yamanaka, JCraft,Inc.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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 names of the authors may not be used to endorse or promote products

derived from this software without specific prior written permission.

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 JCRAFT,

INC. OR ANY CONTRIBUTORS TO THIS SOFTWARE 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.

Optional Compile dependency:

==========

http://www.jcraft.com/jzlib/LICENSE.txt

==========

JZlib 0.0.* were released under the GNU LGPL license. Later, we have switched

over to a BSD-style license.

Copyright (c) 2000-2011 ymnk, JCraft,Inc. All rights reserved.

Copyright © 1988, 2019, Oracle and/or its affiliates. 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 names of the authors may not be used to endorse or promote products

derived from this software without specific prior written permission.

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 JCRAFT,

INC. OR ANY CONTRIBUTORS TO THIS SOFTWARE 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.

---

json License

Copyright (c) 2002 JSON.org

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

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

The Software shall be used for Good, not Evil.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

jsoup License

jsoup MIT License

The jsoup code-base (include source and compiled packages) are distributed under the open source MIT license as described below.

The MIT License

Copyright © 2009 - 2016 Jonathan Hedley (jonathan@hedley.net)

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

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

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

jTidy License

URL for license - http://jtidy.sourceforge.net/license.html

Java HTML Tidy - JTidy

HTML parser and pretty printer

Copyright (c) 1998-2000 world wide web consortium (Massachusetts Institute of Technology, Institut National de Recherche en Informatique et en Automatique, Keio university). All Rights Reserved.

Contributing Author(s):

Dave Raggett Andy Quick (translation to Java)

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Gary L Peskin (Java development)

Sami Lempinen (release management)

The contributing author(s) would like to thank all those who helped with testing, bug fixes, and patience. This wouldn't have been possible without all of you.

COPYRIGHT NOTICE:

This software and documentation is provided "as is," and the copyright holders and contributing author(s) 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.

The copyright holders and contributing author(s) will not be liable for any direct, indirect, special or consequential damages arising out of any use of the software or documentation, even if advised of the possibility of such damage.

Permission is hereby granted to use, copy, modify, and distribute this source code, or portions hereof, documentation and executables, for any purpose, without fee, subject to the following restrictions:

1. The origin of this source code must not be misrepresented.

2. Altered versions must be plainly marked as such and must not be misrepresented as being the original source.

3. This copyright notice may not be removed or altered from any source or altered source distribution.

The copyright holders and contributing author(s) specifically permit, without fee, and encourage the use of this source code as a component for supporting the Hypertext Markup Language in commercial products. If you use this source code in a product, acknowledgment is not required but would be appreciated.

Kibana Fourth-Party Licenses

4th party dependencies distributed by PeopleSoft for Kibana by license type (general license verbiage included at the end):

Apache 2.0 License

@kbn/babel-code-parser@1.0.0

@kbn/es-query@1.0.0

@kbn/test-subj-selector@0.2.1

@kbn/interpreter@1.0.0

@kbn/ui-framework@1.0.0

@kbn/i18n@1.0.0

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

@kbn/pmZ@1.0.0

kibana@1.0.0

@elastic/quux@1.0.0

@elastic/baz@1.0.0

@elastic/foo@1.0.0

@elastic/shouldskip@1.0.0

@elastic/bar@1.0.0

quux@1.0.0

baz@1.0.0

foo@1.0.0

bar@1.0.0

zorge@1.0.0

with-additional-projects@1.0.0

@kbn/config-schema@1.0.0

@kbn/babel-preset@1.0.0

request@2.88.0

caseless@0.12.0

trim@0.0.1

ecdsa-sig-formatter@1.0.10

keymirror@0.1.1

pdfmake-server-playground@0.0.0

elasticsearch-browser@15.4.1

debug@0.7.4

oauth-sign@0.9.0

less@2.7.1

expect.js@0.2.0

object-path-immutable@0.5.3

split@0.2.10

combokeys@3.0.0

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

angular-sortable-view@0.0.15

rison-node@1.0.0

png-js@0.1.1

pdfkit@0.8.3

tinymath@1.1.1

puppeteer-core@1.7.0

cyclist@0.2.2

chroma-js@1.3.7

indexof@0.0.1

icalendar@0.7.1

rxjs@6.2.1

react-lib-adler32@1.0.1

tslib@1.9.3

tunnel-agent@0.6.0

@elastic/node-crypto@0.1.2

@elastic/eui@6.10.7

@elastic/datemath@5.0.2

Spencer Alger@15.4.1

aws-sign2@0.7.0

@xtuc/long@4.2.1

assignment@2.2.0

leaflet.heat@0.2.0

kibana@7.0.0

@mapbox/jsonlint-lines-primitives@2.0.2

forever-agent@0.6.1

==========

MIT License

MIT License

get-value@2.0.6 - Copyright (c) 2014-2016, Jon Schlinkert.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

stylis-rule-sheet@0.0.10

is-stream@1.1.0

@mrmlnc/readdir-enhanced@2.2.1 - Copyright (c) 2016 James Messinger

pseudomap@1.0.2

lodash.uniqueid@3.2.0

lodash@4.17.11

invariant@2.2.4

prop-types@15.7.2

object.values@1.0.4

babel-plugin-transform-react-jsx@6.24.1

apollo-link-state@0.4.1

bluebird@3.5.2 - Copyright (c) 2013-2018 Petka Antonov

apollo-link-http-common@0.2.4

punycode@1.4.1

escape-string-regexp@1.0.5

no-ui-slider@1.2.0

performance-now@2.1.0

uuid@3.3.2

querystring-browser@1.0.4

lodash.pairs@3.0.1

@samverschueren/stream-to-observable@0.3.0

reactcss@1.2.3

react-vis@1.10.2

pug-code-gen@2.0.1

path-parse@1.0.5

hash.js@1.1.3

two-product@1.0.2

dragula@3.7.0

ansi-regex@3.0.0

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

strip-ansi@4.0.0

string-width@2.1.1

babel-generator@6.26.0

delayed-stream@1.0.0

jsonparse@1.3.1 - The Copyright (c) 2012 Tim Caswell

is-glob@3.1.0

value-equal@0.4.0

global@4.3.2

es6-promisify@5.0.0

babel-plugin-transform-es2015-for-of@6.23.0

pug-linker@3.0.5

lodash._isiterateecall@3.0.9

content-disposition@0.5.3

has-value@1.0.3

globals@11.7.0

redux@4.0.0

async-limiter@1.0.0

react-syntax-highlighter@5.8.0

focus-trap@2.4.5

react@16.6.0

react-onclickoutside@6.7.1

big-time@2.0.1 - Copyright (c) 2015-2017 Continuation Labs, Copyright (c) 2018 Adam Bretz

is-path-in-cwd@1.0.0

trunc-text@1.0.2

from@0.1.7

pug-attrs@2.0.3

postcss-load-config@2.0.0 - Copyright (c) Michael Ciniawsky <michael.ciniawsky@gmail.com>

set-value@2.0.0 - Copyright (c) 2014-2017, Jon Schlinkert

yauzl@2.7.0

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

trunc-html@1.0.2

babel-plugin-transform-es2015-object-super@6.24.1

redux-actions@2.2.1

bluebird@3.5.3

robust-orientation@1.1.3

is-extglob - Copyright (c) 2014-2016, Jon Schlinkert

uri-js/node_modules/punycode/LICENSE-MIT.txt - Copyright Mathias Bynens <https://mathiasbynens.be/>

window-size@0.1.0 - Copyright (c) 2014 Jon Schlinkert

postcss-modules-local-by-default@1.2.0 - Copyright 2015 Mark Dalgleish <mark.john.dalgleish@gmail.com>

object-copy@0.1.0 - Copyright (c) 2016, Jon Schlinkert.

glob-all/node_modules/minimist@0.0.8

glob-all/node_modules/yargs@3.10.0 - Copyright 2010 James Halliday (mail@substack.net)

buffer-from@1.1.1 - Copyright (c) 2016, 2018 Linus Unnebäck

regjsparser/node_modules/jsesc@0.5.0/LICENSE-MIT.txt - Copyright Mathias Bynens <http://mathiasbynens.be/>

buffer@3.6.0 - Copyright (c) Feross Aboukhadijeh, and other contributors.

to-regex@3.0.1 - Copyright (c) 2016 Jon Schlinkert

require-directory@2.1.1 - Copyright (c) 2011 Troy Goode <troygoode@gmail.com>

webpack-sources@1.3.0 - Copyright (c) 2017 JS Foundation and other contributors

browserify-zlib@0.2.0 - Copyright (c) 2014-2015 Devon Govett <devongovett@gmail.com>

asynckit@0.4.0 - Copyright (c) 2016 Alex Indigo

cli-table3@0.5.1 - Copyright (c) 2014 James Talmage <james.talmage@jrtechnical.com>

worker-farm@1.6.0 - Copyright (c) 2014 LevelUP contributors

ajv-keywords@3.2.0 - Copyright (c) 2016 Evgeny Poberezkin

braces@2.3.2 - Copyright (c) 2014-2018, Jon Schlinkert.

collection-visit@1.0.0 - Copyright (c) 2015, 2017, Jon Schlinkert

snapdragon-util@3.0.1 - Copyright (c) 2017, Jon Schlinkert

process@0.11.10 - Copyright (c) 2013 Roman Shtylman <shtylman@gmail.com>

pumpify@1.5.1 - Copyright (c) 2014 Mathias Buus

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

url-loader/node_modules/mime@2.3.1 - Copyright (c) 2010 Benjamin Thomas, Robert Kieffer

base64-js@0.0.8

babel-plugin-transform-react-display-name@6.25.0

turf-hex-grid@3.0.12

loader-utils@1.1.0

mimic-fn@1.1.0

del@3.0.0

pify@2.3.0

globby@6.1.0

babel-plugin-transform-es2015-literals@6.22.0

graphql-fields@1.2.1

graphql-extensions@0.0.10

core-js@2.5.7

source-map-support@0.5.6

lodash.isboolean@3.0.3

react-markdown@3.3.0

assert-plus@1.0.0

arrify@1.0.1

react-motion@0.5.2

browserify-des@1.0.0

source-map-support@0.5.9

core-util-is@1.0.2

atob@2.1.2

enhanced-resolve@4.1.0

mini-css-extract-plugin@0.4.4

unbzip2-stream@1.0.9

babel-plugin-transform-es2015-function-name@6.24.1

babel-helper-get-function-arity@6.24.1

styled-components@3.3.3

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

jsonwebtoken@8.3.0

define-property@2.0.2

kind-of@6.0.2

extend-shallow@3.0.2 - nanomatch/node_modules/extend-shallow - Copyright (c) 2014-2015, 2017, Jon Schlinkert.

nanomatch@1.2.9 - Copyright (c) 2016-2018, Jon Schlinkert.

turf-combine@3.0.12

babel-plugin-transform-es2015-shorthand-properties@6.24.1

shebang-command@1.2.0

style-it@2.1.2

turf-planepoint@3.0.12

@babel/plugin-proposal-object-rest-spread@7.3.4 - Copyright (c) 2014-present Sebastian McKenzie and other contributors

@babel/plugin-transform-async-to-generator@7.3.4 - Copyright (c) 2014-present Sebastian McKenzie and other contributors

@babel/plugin-transform-template-literals@7.2.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/plugin-transform-modules-umd@7.2.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/helper-function-name@7.2.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/helper-replace-supers/node_modules/@babel/traverse@7.2.0 - Copyright (c) 2014-present Sebastian McKenzie and other contributors

@babel/helper-replace-supers/node_modules/@babel/types@7.2.0 - Copyright (c) 2014-present Sebastian McKenzie and other contributors

@babel/helper-replace-supers/node_modules/debug@7.2.0 - Copyright (c) 2014 TJ Holowaychuk <tj@vision-media.ca>

@babel/helper-replace-supers@7.2.0 -Copyright (c) 2014-present Sebastian McKenzie and other contributors

@babel/plugin-transform-computed-properties@7.2.0 -Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/plugin-transform-classes@7.2.0 -Copyright (c) 2014-present Sebastian McKenzie and other contributors

@babel/code-frame@7.2.0 -Copyright (c) 2014-2018 Sebastian McKenzie <sebmck@gmail.com>

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

@babel/helper-builder-binary-assignment-operator-visitor@7.2.0 -Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/plugin-transform-react-jsx-self@7.0.0 - Copyright (c) 2014-2018 Sebastian McKenzie <sebmck@gmail.com>

@babel/plugin-proposal-json-strings@7.0.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/plugin-syntax-async-generators@7.0.0 -Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/helper-simple-access@7.0.0 -Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/helper-annotate-as-pure@7.0.0 -Copyright (c) 2014-2018 Sebastian McKenzie <sebmck@gmail.com>

@babel/helper-optimise-call-expression@7.0.0 -Copyright (c) 2014-2018 Sebastian McKenzie <sebmck@gmail.com>

@babel/plugin-proposal-optional-catch-binding@7.0.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/plugin-proposal-async-generator-functions@7.0.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/plugin-transform-react-display-name@7.0.0 - Copyright (c) 2014-2018 Sebastian McKenzie <sebmck@gmail.com>

@babel/helper-member-expression-to-functions@7.0.0 - Copyright (c) 2014-2018 Sebastian McKenzie <sebmck@gmail.com>

@babel/plugin-proposal-class-properties@7.0.0 - Copyright (c) 2014-present Sebastian McKenzie and other contributors

@babel/plugin-transform-new-target@7.0.0 - Copyright (c) 2014-2018 Sebastian McKenzie <sebmck@gmail.com>

@babel/helper-define-map@7.1.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/plugin-transform-react-jsx@7.0.0 - Copyright (c) 2014-2018 Sebastian McKenzie <sebmck@gmail.com>

@babel/plugin-transform-duplicate-keys@7.2.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/plugin-syntax-typescript@7.3.3 -Copyright (c) 2014-present Sebastian McKenzie and other contributors

@babel/preset-env@7.3.4 - Copyright (c) 2014-present Sebastian McKenzie and other contributors

@babel/plugin-transform-unicode-regex@7.2.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

@babel/plugin-proposal-unicode-property-regex@7.2.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/plugin-transform-for-of@7.2.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/helper-hoist-variables@7.0.0 - Copyright (c) 2014-2018 Sebastian McKenzie <sebmck@gmail.com>

@babel/plugin-transform-react-jsx-source -Copyright (c) 2014-2018 Sebastian McKenzie <sebmck@gmail.com>

@babel/helper-wrap-function@7.1.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/helper-builder-react-jsx@7.0.0- Copyright (c) 2014-2018 Sebastian McKenzie <sebmck@gmail.com>

@babel/plugin-transform-destructuring@7.2.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/plugin-transform-modules-systemjs@7.3.4 - Copyright (c) 2014-present Sebastian McKenzie and other contributors

@babel/plugin-transform-spread@7.2.2 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/plugin-transform-dotall-regex@7.2.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/highlight/node_modules/js-tokens@4.0.0 - Copyright (c) 2014, 2015, 2016, 2017, 2018 Simon Lydell

@babel/@babel/highlight@7.0.0 - Copyright (c) 2014-2018 Sebastian McKenzie <sebmck@gmail.com>

@babel/helper-split-export-declaration@7.0.0 - Copyright (c) 2014-2018 Sebastian McKenzie <sebmck@gmail.com>

@babel/preset-typescript@7.3.3 - Copyright (c) 2014-present Sebastian McKenzie and other contributors

@babel/plugin-transform-arrow-functions@7.2.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/plugin-transform-block-scoping@7.3.4 - Copyright (c) 2014-present Sebastian McKenzie and other contributors

@babel/plugin-transform-function-name@7.2.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/types@7.3.0 - Copyright (c) 2014-2018 Sebastian McKenzie <sebmck@gmail.com>

@babel/plugin-transform-sticky-regex@7.2.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/plugin-transform-literals@7.2.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

@babel/plugin-transform-typeof-symbol@7.2.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/helper-plugin-utils@7.0.0 - Copyright (c) 2014-2018 Sebastian McKenzie <sebmck@gmail.com>

getos@3.1.0 - Copyright (c) 2016 William Blankenship

cronstrue@1.51.0

nodemailer@4.6.4

ansicolors@0.2.1

babel-plugin-transform-async-to-generator@6.24.1

just-reduce-object@1.1.0

babel-plugin-add-module-exports@1.0.0

assert@1.4.1

@elastic/lodash@3.10.1-kibana1

lcid@1.0.0

stream-stream@1.2.6

parse-entities@1.1.1

babel-plugin-transform-strict-mode@6.24.1

wrap-ansi@2.1.0

is-fullwidth-code-point@1.0.0

string-width@1.0.2

json-stable-stringify@1.0.1

redux-thunk@2.3.0

autobind-decorator@1.4.3

delegate@3.2.0

focus-trap-react@3.1.2

buffer@4.9.1

string_decoder@1.1.0

angular-elastic@2.5.0

babel-plugin-transform-es2015-block-scoped-functions@6.22.0

create-hmac@1.1.6

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

dom-walk@0.1.1

querystring@0.2.0

polished@1.9.2

ngreact@0.5.1

tar-stream@1.5.5

angular-sanitize@1.6.5

trough@1.0.1

toggle-selection@1.0.6

convex-hull@1.0.3

affine-hull@1.0.0

babel-plugin-syntax-class-properties@6.13.0

react-virtualized@9.20.1

p-map@1.2.0

prop-types@15.7.2

file-saver@1.3.8

lodash._root@3.0.1

raf-schd@4.0.0

p-finally@1.0.0

lodash.omitby@4.6.0

pump@3.0.0: Copyright (c) 2014 Mathias Buus

get-stream@4.1.0

execa@1.0.0

css-to-react-native@2.0.4

moment@2.20.1

prism-twilight-theme@0.0.1

prism-tomorrow-theme@0.0.1

prism-okaidia-theme@0.0.1

prism-default-theme@0.0.1

prism-dark-theme@0.0.1

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

prism-funky-theme@0.0.1

prism-coy-theme@0.0.1

prismjs@0.0.1

react-resizable@1.7.5

getpass@0.1.7

lodash-es@4.17.1

react-ace@5.10.0

har-validator@5.1.3 - Copyright (c) 2018 Ahmad Nassri <ahmad@ahmadnassri.com>

compare-versions@3.1.0

through@2.3.8

shallow-copy@0.0.1

unstated@2.1.1

turf-destination@3.0.12

robust-sum@1.0.0

lodash.isplainobject@4.0.6

turf-distance@3.0.12

static-eval@0.2.4

redeyed@0.4.4

babel-plugin-transform-async-generator-functions@6.24.1

mkdirp@0.5.1

file-saver@1.3.3

pdfmake0.1.33

is-fullwidth-code-point@2.0.0

array-union@1.0.2

papaparse@4.6.0

is-binary-path@1.0.1

jsprim@1.4.1

val-loader@1.1.1

schema-utils@0.4.7

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

resolve@1.5.0

dashify@0.1.0

formsy-react@1.1.5

angular-ui-ace@0.2.3

turf-triangle-grid@3.0.12

binary-extensions@1.11.0

iterall@1.2.2

source-map-resolve@0.5.2 - Copyright (c) 2014, 2015, 2016, 2017 Simon Lydell

agent-base@4.2.0

is-alphabetical@1.0.1

constate@0.9.0

doctypes@1.1.0

hash-base@2.0.2

es-abstract@1.10.0

robust-subtract@1.0.0 tin

redux-observable@1.0.0

domain-browser@1.2.0

pug-error@1.3.2

lodash.isinteger@4.0.4

is-word-character@1.0.1

map-age-cleaner@0.1.2

repeat-string@1.6.1 - Copyright (c) 2014-2016, Jon Schlinkert.

num2fraction@1.2.2 - Copyright (c) 2014 PostCSS

prr@1.0.1 - Copyright (c) 2014 Rod Vagg

webpack/node_modules/webpack-sources@1.1.0 - Copyright (c) 2017 JS Foundation and other contributors

call-me-maybe@1.0.1 - Copyright (c) 2015 Eric McCarthy

object-visit@1.0.1 - Copyright (c) 2015, 2017, Jon Schlinkert

through2@2.0.3/LICENSE.MIT - The Copyright (c) 2011 Dominic Tarr

commondir@1.0.1 - Copyright (c) 2013 James Halliday (mail@substack.net)

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

mixin-deep@1.3.0 - Copyright (c) 2014-2015, 2017, Jon Schlinkert.

is-number@4.0.0 - Copyright (c) 2014-2016, Jon Schlinkert

cssesc@0.1.0/LICENSE-MIT.txt - Copyright Mathias Bynens <http://mathiasbynens.be/>

pug-filters@3.1.0/node_modules/yargs - Copyright 2010 James Halliday (mail@substack.net)

map-cache@0.2.2 - Copyright (c) 2015-2016, Jon Schlinkert.

tapable@1.1.0 - Copyright (c) Tobias Koppers @sokra

crypto-browserify@3.12.0 - Copyright (c) 2013 Dominic Tarr

union-value@1.0.0 - Copyright (c) 2015-2017, Jon Schlinkert

regenerate@1.4.0/LICENSE-MIT.txt - Copyright Mathias Bynens <https://mathiasbynens.be/>

regexpu-core@4.2.0

regjsgen@0.4.0

string_decoder@0.10.31

bail@1.0.2

util-deprecate@1.0.2 - Copyright (c) 2014 Nathan Rajlich <nathan@tootallnate.net>

querystring-es3@0.2.1

trim-right@1.0.1

angular-aria@1.6.6

pako@0.2.9

unicode-trie@0.3.1

brfs@1.4.3

io-ts@1.4.2

babel-helper-optimise-call-expression@6.24.1

array-uniq@1.0.3

has-ansi@2.0.0

easing-js@1.1.2

commander@2.13.0

babel-plugin-transform-es2015-duplicate-keys@6.24.1

mdurl@1.0.1

humanize-ms@1.2.1

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

wordwrap@0.0.2

camelcase@1.2.1

turf-collect@3.0.12

stream-http@2.8.0 - Copyright (c) 2015 John Hiesey

raw-loader@0.5.1

babel-plugin-transform-es2015-computed-properties@6.24.1

is-arrayish@0.2.1

error-ex/node_modules/is-arrayish - Copyright (c) 2015 JD Ballard

error-ex@1.3.1 - Copyright (c) 2015 JD Ballard

@scant/router@0.1.0

react-is@16.3.2

turf-midpoint@3.0.12

resolve@1.1.7

browser-resolve@1.11.2

convert-source-map@1.5.1

util@0.10.3

mustache@2.3.0

p-try@1.0.0

p-retry@2.0.0

fd-slicer@1.0.1

async@2.6.1

minimist@0.0.8

concat-stream@1.5.0

process-nextick-args@1.0.7

yauzl@2.4.1

mkdirp@0.5.0

readable-stream@2.0.6

globby@8.0.1

vfile@2.3.0

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

babel-helper-remap-async-to-generator@6.24.1

babel-plugin-transform-es2015-parameters@6.24.1

minimalistic-crypto-utils@1.0.1

traverse@0.6.6

expiry-js@0.1.7

incremental-convex-hull@1.0.1

simple-swizzle@0.2.2 - Copyright (c) 2015 Josh Junon

object.entries@1.0.4

readable-stream@1.1.14

isarray@0.0.1

stream-spigot@2.1.2

crossvent@1.5.4

lodash.istypedarray@3.0.6

pui-react-animation@1.0.2

prop-types@15.7.2

react@16.2.0

lodash.clone@4.5.0

postcss-value-parser@3.3.0

babel-plugin-transform-regenerator@6.26.0

script-loader@0.7.2

postcss@7.0.5 - Copyright 2013 Andrey Sitnik andrey@sitnik.ru

babel-plugin-syntax-async-functions@6.13.0

arr-diff@4.0.0 - Copyright (c) 2014-2017, Jon Schlinkert

lodash.isarray@3.0.4

fbjs@0.8.16

murmurhash-js@1.0.0

jwa@1.1.6

lodash.isarguments@3.1.0

classnames@2.2.5

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

clipboard@1.7.1

typescript-fsa@2.5.0

lodash.camelcase@4.3.0

pinkie@2.0.4

path-dirname@1.0.2

unicode-match-property-ecmascript@1.0.4

resolve-from@3.0.0

os-browserify@0.3.0 - Copyright (c) 2017 CoderPuppy

object-inspect@0.4.0

pegjs@0.9.0

markdown-it@8.4.2

leaflet-responsive-popup@0.2.0

path-exists@3.0.0

extsprintf@1.4.0

verror@1.10.0

retry@0.12.0

get-port@2.1.0

contra@1.9.1

atoa@1.0.0

url-pattern@1.0.3

deprecated-decorator@0.1.6

normalize-path@3.0.0 - Copyright (c) 2014-2018, Jon Schlinkert.

cardinal@0.4.4

babel-runtime@6.26.0

regenerator-runtime@0.13.2

memory-fs@0.4.1

restructure@0.5.4

form-data@2.3.3

balanced-matchZ@1.0.0

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

es6-promise@4.2.4

babel-plugin-syntax-exponentiation-operator@6.13.0

react-redux-request@1.5.6

path-is-inside@1.0.2

unified@6.1.6

agentkeepalive@3.4.1

pump@2.0.1

babel-helper-function-name@6.24.1

asn1@0.2.4

pug-parser@5.0.0

turf-point-on-surface@3.0.12

babel-plugin-syntax-async-generators@6.13.0

locate-path@2.0.0

jquery@3.3.1

jclass@1.2.1

js-levenshtein@1.1.3

turf-difference@3.0.12

is-hexadecimal@1.0.1

concat-stream@1.6.0

object.pick@1.3.0 - Copyright (c) 2014-2016, Jon Schlinkert.

lodash.get@4.4.2

number-is-nan@1.0.1

unist-util-stringify-position@1.1.1

safer-buffer@2.1.2

react-fast-compare@2.0.4

color-string@1.5.2

graceful-readlink@1.0.1 - Copyright (c) 2015 Zhiye Li

normalize-path@2.1.1

two-sum@1.0.0

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

is-finite@1.0.2

angular-recursion@1.0.5

lodash.isobject@3.0.2

typedarray@0.0.6

is-whitespace-character@1.0.1

babel-plugin-transform-es2015-unicode-regex@6.24.1

regexpu-core@2.0.0

abortcontroller-polyfill@1.1.9

ws@5.2.2

decamelize@1.2.0

home-or-tmp@2.0.0

errno@0.1.7

bl@1.2.1

extend@3.0.2

lodash.topath@4.5.2

style-loader@0.23.1

browserify-cipher@1.0.0

lodash._baseeach@3.0.4

ignore@3.3.10

create-ecdh@4.0.0

regenerator-runtime@ 0.13.2

state-toggle@1.0.0

apollo-cache@1.1.14

invert-kv@1.0.0

pug-strip-comments@1.0.3

jsesc@2.5.1

react-input-autosize@2.2.1

is-number@3.0.0

unist-util-remove-position@1.1.1

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

fontkit@1.7.7

clone@1.0.4

jsbn@0.1.1

find-cache-dir@1.0.0

is-symbol@1.0.1

encode-uri-query@1.0.0

schema-utils@1.0.0

autolinker@0.15.3

source-map-url@0.4.0 - Copyright (c) 2014 Simon Lydell

react-datetime@2.15.0

object-assign@3.0.0

object-assign@4.1.1

parallel-transform@1.1.0

babel-plugin-check-es2015-constants@6.22.0

minimist@1.2.0

browserify-optional@1.0.1

strip-ansi@4.0.0

ansi-regex@3.0.0

sshpk@1.15.2

batch-processor@1.0.0

prop-types@15.7.2

react-dom@16.2.0

gl-matrix@2.8.1

character-parser@2.2.0

lodash.isstring@4.0.1

private@0.1.8

readable-stream@2.0.6

ui-select@0.19.4

handlebars@4.1.0

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

base64-js@1.3.0

babel-polyfill@7.4.4

prop-types@15.7.2

process-nextick-args@1.0.7

slash@1.0.0

brace@0.11.1

public-encrypt@4.0.0

react-redux@5.0.7

pug-walk@1.1.7

turf-circle@3.0.12

dedent@0.7.0

psl@1.1.29

p-limit@1.2.0

trie-search@1.0.9

babel-plugin-transform-react-jsx-self@6.22.0

turf-line-distance@3.0.12

humps@2.0.1

lodash.sortby@3.1.5

file-loader@2.0.0

turf-within@3.0.12

https-proxy-agent@2.2.1

agent-base@4.2.1

debug@3.2.6 - Copyright (c) 2014 TJ Holowaychuk <tj@vision-media.ca>

encoding@0.1.2

parse-json@4.0.0

json-parse-better-errors@1.0.1

url-loader@1.1.2

fast-deep-equal@2.0.1 : Copyright (c) 2017 Evgeny Poberezkin

opn@5.4.0

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

unist-util-is@2.1.1

os-tmpdir@1.0.2

custom-event@1.0.0

require-from-string@2.0.2

static-module@1.5.0

object-keys@0.4.0

quote-stream@0.0.0

through2@0.4.2

minimist@0.0.8

xtend@2.1.2

isarray@0.0.1

readable-stream@1.0.34

typescript-fsa-reducers@0.4.5

handlebars@4.0.3

glob-all@3.1.0

yargs@1.2.6

minimist@0.1.0

tinycolor2@1.3.0

babel-plugin-transform-es2015-spread@6.22.0

pinkie-promise@2.0.1

trim-trailing-lines@1.1.0

babel-core@6.26.0

turf-center@3.0.12

foreach@2.0.5

is-regex@1.0.4 - Copyright (c) 2014 Jordan Harband

unset-value/node_modules/has-value/node_modules/isobject@2.1.0 - Copyright (c) 2014-2016, Jon Schlinkert.

unset-value/node_modules/has-value@0.3.1 - Copyright (c) 2014-2016, Jon Schlinkert.

unset-value/node_modules/has-values@0.1.4 - Copyright (c) 2014-2016, Jon Schlinkert.

unset-value@1.0.0 - Copyright (c) 2015, 2017, Jon Schlinkert

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

terser/node_modules/commander@2.17.1 - Copyright (c) 2011 TJ Holowaychuk <tj@vision-media.ca>

@webassemblyjs/helper-buffer@1.7.10 - Copyright (c) 2018 Sven Sauleau <sven@sauleau.com>

@webassemblyjs/floating-point-hex-parser@1.7.10 - Copyright (c) 2017 Mauro Bringolf

@webassemblyjs/helper-api-error@1.7.10 - Copyright (c) 2018 Sven Sauleau <sven@sauleau.com>

@webassemblyjs/ieee754@1.7.10 - Copyright (c) 2018 Sven Sauleau <sven@sauleau.com>

@webassemblyjs/helper-module-context.7.10 - Copyright (c) 2018 Sven Sauleau <sven@sauleau.com>

@webassemblyjs/utf8@1.7.10 - Copyright (c) 2018 Sven Sauleau <sven@sauleau.com>

@webassemblyjs/helper-wasm-bytecode@1.7.10 - Copyright (c) 2018 Sven Sauleau <sven@sauleau.com>

loose-envify@1.3.1 - Copyright (c) 2015 Andres Suarez <zertosh@gmail.com>

snapdragon-node/node_modules/define-property@1.0.0 - Copyright (c) 2015, 2017, Jon Schlinkert

snapdragon-node@2.1.1 - Copyright (c) 2017, Jon Schlinkert

json5@2.1.0 - Copyright (c) 2012-2016 Aseem Kishore, and [others](https://github.com/aseemk/json5/contributors).

regexpu-core/node_modules/jsesc@1.3.0/LICENSE-MIT.txt - Copyright Mathias Bynens <http://mathiasbynens.be/>

regexpu-core/node_modules/regenerate/LICENSE-MIT.txt - Copyright Mathias Bynens <https://mathiasbynens.be/>

regexpu-core/node_modules/regjsgen@0.2.0 - Copyright 2014-2018 Benjamin Tan <https://bnjmnt4n.now.sh/>

regexpu-core/LICENSE-MIT.txt - Copyright Mathias Bynens <https://mathiasbynens.be/>

static-extend@0.1.2 - Copyright (c) 2016, Jon Schlinkert.

@elastic/good/node_modules/duplexify@3.6.0 - Copyright (c) 2014 Mathias Buus

is-odd@1.0.0 - Copyright (c) 2015-2017, Jon Schlinkert.

debug@3.2.6 - Copyright (c) 2014 TJ Holowaychuk <tj@vision-media.ca>

url/node_modules/punycode/LICENSE-MIT.txt - Copyright Mathias Bynens <https://mathiasbynens.be/>

url@0.11.0 - Copyright Joyent, Inc. and other Node contributors.

pug-load@2.0.11 - Copyright (c) 2015 Forbes Lindesay

ajv@6.5.5 - Copyright (c) 2015-2017 Evgeny Poberezkin

ripemd160@2.0.1 - Copyright (c) 2016 crypto-browserify

md5.js/node_modules/hash-base@3.0.4 - Copyright (c) 2016 Kirill Fomichev

md5.js2@1.3.4 - Copyright (c) 2016 Kirill Fomichev

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

mime-db@1.37.0 - Copyright (c) 2014 Jonathan Ong me@jongleberry.com

uglify-es/node_modules/commander@2.19.0 - Copyright (c) 2011 TJ Holowaychuk <tj@vision-media.ca>

pascalcase@0.1.1 - Copyright (c) 2015, Jon Schlinkert.

cosmiconfig/node_modules/js-yaml@3.12.0 - Copyright (C) 2011-2015 by Vitaly Puzrin

cosmiconfig@4.0.0 - Copyright (c) 2015 David Clark

he/LICENSE-MIT.txt - Copyright Mathias Bynens <https://mathiasbynens.be/>

vega-spec-injector@0.0.2 - Copyright (c) 2017 Yuri Astrakhan

nice-try@1.0.4 - Copyright (c) 2017 Tobias Reich

fill-range@4.0.0 - Copyright (c) 2014-2017, Jon Schlinkert

neo-async@2.6.0 - Copyright (c) 2014-2018 Suguru Motegi Based on Async.js, Copyright Caolan McMahon

isomorphic-fetch@2.2.1 - Copyright (c) 2015 Matt Andrews

iferr@0.1.5 - Copyright (c) 2014 Nadav Ivgi

concat-stream@1.5.1 - Copyright (c) 2013 Max Ogden

to-regex-range@2.1.1 - Copyright (c) 2015-2017, Jon Schlinkert

babel-preset-env/node_modules/browserslist@3.2.8 - Copyright 2014 Andrey Sitnik <andrey@sitnik.ru>

babel-preset-env@1.7.0 - Copyright (c) 2016-2017 Babel

expand-brackets@2.1.4 - Copyright (c) 2015-2016, Jon Schlinkert

emojis-list@2.1.0 - Copyright © 2015 Kiko Beats

urix@0.1.0 - Copyright (c) 2013 Simon Lydell

node-releases@1.1.3 - Copyright (c) 2017 Sergey Rubanov (https://github.com/chicoxyzzy)

browserify-aes@1.1.1 - Copyright (c) 2014-2017 browserify-aes contributors

for-in@1.0.2 - Copyright (c) 2014-2017, Jon Schlinkert

void-elements@2.0.1 - Copyright (c) 2014 hemanth

is-accessor-descriptor/node_modules/kind-of - Copyright (c) 2014-2017, Jon Schlinkert.

is-accessor-descriptor@1.0.0 - Copyright (c) 2015-2017, Jon Schlinkert.

isstream@0.1.2 - Copyright (c) 2015 Rod Vagg

safer-buffer@2.1.2 - Copyright (c) 2018 Nikita Skovoroda <chalkerx@gmail.com>

punycode@1.3.2/LICENSE-MIT.txt - Copyright Mathias Bynens <https://mathiasbynens.be/>

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

buffer-xor@1.0.3 - Copyright (c) 2015 Daniel Cousens

align-text@0.1.4 - Copyright (c) 2015, Jon Schlinkert.

posix-character-classes@0.1.1 - Copyright (c) 2016-2017, Jon Schlinkert

is-windows@1.0.2 - Copyright (c) 2015-2018, Jon Schlinkert.

babel-loader@7.1.5 - Copyright (c) 2014-2016 Luís Couto <hello@luiscouto.pt>

js-yaml/node_modules/argparse@1.0.9 - Copyright (C) 2012 by Vitaly Puzrin

js-yaml@3.4.1 - Copyright (C) 2011-2015 by Vitaly Puzrin

thread-loader/node_modules/loader-runner@2.3.0 - Copyright (c) Tobias Koppers @sokra

thread-loader/node_modules/neo-async@2.5.2 - Copyright (c) 2014-2018 Suguru Motegi Based on Async.js, Copyright Caolan McMahon

balanced-match - Copyright (c) 2013 Julian Gruber <julian@juliangruber.com>

define-property/node_modules/is-data-descriptor/node_modules/kind-of@3.2.2 - Copyright (c) 2014-2017, Jon Schlinkert

define-property/node_modules/is-data-descriptor@0.1.4 - Copyright (c) 2015, Jon Schlinkert.

define-property/node_modules/is-descriptor@0.1.6 - Copyright (c) 2015-2017, Jon Schlinkert.

define-property/node_modules/is-accessor-descriptor/node_modules/kind-of@3.2.2 - Copyright (c) 2014-2017, Jon Schlinkert

define-property/node_modules/is-accessor-descriptor@0.1.6 - Copyright (c) 2015, Jon Schlinkert.

has-values/node_modules/kind-of@4.0.0 - Copyright (c) 2014-2017, Jon Schlinkert

has-values@1.0.0 - Copyright (c) 2014-2017, Jon Schlinkert

map-visit@1.0.0 - Copyright (c) 2015-2017, Jon Schlinkert

node-libs-browser@2.1.0 - Copyright (c) 2012 Tobias Koppers

ecc-jsbn@0.1.2 - Copyright (c) 2014 Jeremie Miller

arr-flatten@1.1.0 - Copyright (c) 2014-2017, Jon Schlinkert.

dir-glob@2.0.0

attr-accept@1.1.3

lodash.includes@4.3.0

unherit@1.1.0

x-is-function@1.0.4

proxy-from-env@1.0.0

union-find@1.0.2

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

apollo-client@2.3.8

browserify-rsa@4.0.1 - Copyright (c) 2014-2015 Calvin Metcalf & contributors

lazy-cache@2.0.2

center-align/node_modules/lazy-cache - Copyright (c) 2015-2016, Jon Schlinkert.

imurmurhash@0.1.4

ms@2.0.0

debug@3.1.0

http-proxy-agent@2.1.0

babylon@6.18.0

turf-kinks@3.0.12

progress@2.0.0

turf-square-grid@3.0.12

code-point-at@1.1.0

react-dropzone@4.3.0

acorn-globals@3.1.0

lodash._basesortby@3.0.0

react-addons-shallow-compare@15.6.2

symbol-observable@1.2.0

turf-inside@3.0.12

path-browserify@0.0.0

ast-types@0.7.8

graphql-anywhere@4.1.6

pngjs@3.3.1

unicode-properties@1.1.0

raf@3.4.0

apollo-cache-control@0.1.1

safe-regex@1.1.0

odash.isequal@4.5.0

babel-template@6.26.0

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

reduce-reducers@0.1.2

diffie-hellman@5.0.2

xregexp@3.2.0

shebang-regex@1.0.0

lazy-cache@1.0.4

center-align@0.1.3 - Copyright (c) 2015, Jon Schlinkert.

randombytes@2.0.6 - Copyright (c) 2017 crypto-browserify

babel-helper-hoist-variables@6.24.1

babel-plugin-transform-es2015-modules-umd@6.24.1

iconv-lite@0.4.24

sha.js@2.4.0

is-alphanumerical@1.0.1

regexpu-core@1.0.0

babel-plugin-transform-es2015-unicode-regex/node_modules/regexpu-core/LICENSE-MIT.txt - Copyright Mathias Bynens <https://mathiasbynens.be/>

css-selector-tokenizer@0.7.0

intl@1.2.5

turf-tin@3.0.12

lowlight@1.9.1

pug-lexer@4.0.0

bn.js@4.11.8

babel-plugin-transform-react-jsx-source@6.22.0

good-listener@1.2.2

create-hash@1.1.3

lodash._basecompareascending@3.0.2

token-stream@0.0.1

ui-select@0.19.6

fast-json-stable-stringify@2.0.0

character-reference-invalid@1.1.1

pollo-server-hapi@1.3.6

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

is-expression@3.0.0

js-tokens@3.0.2

detect-indent@4.0.0

@babel/helper-member-expression-to-functions@7.0.0

@babel/helper-optimise-call-expression@7.0.0

@babel/plugin-transform-computed-properties@7.2.0

@babel/plugin-syntax-optional-catch-binding@7.2.0

debug@3.2.6

@babel/parser@7.1.0

@babel/traverse@7.1.0

@babel/plugin-proposal-json-strings@7.2.0

@babel/runtime@7.0.0-beta.54

@babel/plugin-transform-duplicate-keys@7.2.0

@babel/helper-builder-binary-assignment-operator-visitor@7.1.0

@babel/helper-simple-access@7.1.0

@babel/helper-annotate-as-pure@7.0.0

@babel/parser@7.3.1

@babel/preset-react@7.0.0

@babel/plugin-transform-classes@7.3.4

@babel/plugin-syntax-async-generators@7.2.0

@babel/helper-function-name@7.1.0

is-plain-object@2.0.4 - Copyright (c) 2014-2017, Jon Schlinkert.

class-utils@0.3.5 - Copyright (c) 2015, 2017, Jon Schlinkert

is-descriptor@1.0.2/node_modules/kind-of - Copyright (c) 2014-2017, Jon Schlinkert.

is-glob@4.0.0 - Copyright (c) 2014-2016, Jon Schlinkert.

chokidar@2.1.2/node_modules/is-glob - Copyright (c) 2014-2017, Jon Schlinkert.

to-arraybuffer@1.0.1 - Copyright (c) 2016 John Hiesey

babel-preset-react@6.24.1 - Copyright (c) 2014-2018 Sebastian McKenzie <sebmck@gmail.com>

@babel/helper-get-function-arity@7.0.0 - Copyright (c) 2014-2018 Sebastian McKenzie <sebmck@gmail.com>

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

@babel/types@7.0.0 - Copyright (c) 2014-present Sebastian McKenzie and other contributors

@babel/generator/node_modules/source-map - Copyright (c) 2009-2011, Mozilla Foundation and contributors. All rights reserved.

@babel/generator@7.1.3 - Copyright (c) 2014-present Sebastian McKenzie and other contributors

@babel/helper-regex@7.0.0 - Copyright (c) 2014-2018 Sebastian McKenzie <sebmck@gmail.com>

@babel/plugin-transform-modules-amd@7.2.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/helper-module-transforms@7.1.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/plugin-syntax-jsx@7.0.0 - Copyright (c) 2014-2018 Sebastian McKenzie <sebmck@gmail.com>

@babel/helper-remap-async-to-generator@7.1.0 - Copyright (c) 2014-2018 Sebastian McKenzie and

@babel/helper-create-class-features-plugin@7.3.4 - Copyright (c) 2014-present Sebastian McKenzie and other contributors

@babel/plugin-transform-block-scoped-functions@7.2.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

turf@3.0.14

babel-preset-flow@6.23.0

lodash.clonedeep@4.5.0

supports-color@5.5.0

min-document@2.19.0

micromatch@3.1.10

define-property@2.0.2 - Copyright (c) 2015-2018, Jon Schlinkert.

to-regex@3.0.2

extend-shallow@3.0.2 - Copyright (c) 2014-2015, 2017, Jon Schlinkert.

is-extendable@1.0.1 - Copyright (c) 2015-2017, Jon Schlinkert.

zen-observable@0.8.8

x-is-string@0.1.0

underscore.string@2.4.0

angular@1.6.9

turf-grid@1.0.1

regenerate@1.3.3 - regenerate-unicode-properties/node_modules/regenerate/LICENSE-MIT.txt Copyright Mathias Bynens <https://mathiasbynens.be/>

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

webpack-merge@4.1.4

warning@4.0.2

extsprintf@1.3.0

protocol-buffers-schema@3.3.2

graphql-tools@3.1.1

uuid@3.3.2

tiny-emitter@2.0.2

regression@2.0.0 - Copyright (c) Tom Alexander <me@tomalexander.co.nz>

esm@3.2.3

babel-plugin-transform-class-properties@6.24.1

cache-base@1.0.1 ::: Copyright (c) 2014-2017, Jon Schlinkert.

ast-transform@0.0.0

turf-tag@3.0.12

simplicial-complex@1.0.0

es-to-primitive@1.1.1

turf-nearest@3.0.12

regenerate@1.4.0

regenerate-unicode-properties@7.0.0 - regenerate-unicode-properties/LICENSE-MIT.txt - Copyright Mathias Bynens <https://mathiasbynens.be/>

babel-types@6.26.0

to-fast-properties@1.0.3

apollo-link-dedup@1.0.9

apollo-link-schema@1.1.0

babel-plugin-transform-flow-strip-types@6.22.0

react-apollo@2.1.8

turf-bearing@3.0.12

custom-event-polyfill@0.3.0

lodash.pickby@4.6.0

from2@2.3.0 : Copyright (c) 2014 Hugh Kennedy

strip-ansi@3.0.1

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

json-stringify-pretty-compact@1.0.4

form-data-to-object@0.2.0

supports-color@5.3.0

chalk@2.4.1

zen-observable-ts@0.8.10

schema-utils@0.4.7

acorn@5.7.3

webpack@4.23.1

schema-utils@0.4.7

cache-loader@1.2.2

performance-now@0.2.0

commander@2.8.1 - Copyright (c) 2011 TJ Holowaychuk <tj@vision-media.ca>

underscore@1.7.0

to-fast-properties@2.0.0

remark-parse@5.0.0

markdown-escapes@1.0.1

async@2.4.0

apollo-utilities@1.0.18

buffer-equal@0.0.1

import-cwd@2.1.0

lodash._baseisequal@3.0.7

is-callable@1.1.3

babel-helper-replace-supers@6.24.1

babel-plugin-transform-es2015-block-scoping@6.26.0

isstream@0.1.2

has-flag@3.0.0

lodash.lowercase@4.3.0

is-extglob@2.1.1

character-entities-legacy@1.1.1

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

babel-plugin-transform-es2015-classes@6.24.1

react-router-dom@4.3.1

apollo-cache-inmemory@1.2.7

debug@2.6.9

ms@2.0.0

concat-stream@1.6.2

debug@3.2.6

hasharray@1.1.0

base@0.11.2 - Copyright (c) 2015-2017, Jon Schlinkert.

define-property@1.0.0

brace-expansion@1.1.8

pumpify@1.3.6

react-sticky@6.03

regexp-tree@0.1.1

p-limit@2.0.0

os-locale@3.0.1

mem@4.0.0

duplexify@3.5.4

@elastic/filesaver@1.1.2

@elastic/ui-ace@0.2.3

unicode-canonical-property-names-ecmascript@1.0.4

is-extendable@1.0.1 - Copyright (c) 2015-2017, Jon Schlinkert.

split-string@3.1.0 - Copyright (c) 2015-2017, Jon Schlinkert.

is-typedarray@1.0.0

moment-timezone@0.5.14 - Copyright (c) JS Foundation and other contributors

base64-js@1.2.1 - Copyright (c) 2014

color-name@1.1.4 - Copyright (c) 2015 Dmitry Ivanov

buffer-crc32@0.2.13 - Copyright (c) 2013 Brian J. Brennan

html/node_modules/concat-stream@1.6.2 - Copyright (c) 2013 Max Ogden

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

html - Copyright (c) 2014-2015 Max Ogden and contributors, Copyright (c) 2007-2013 Einar Lielmanis and contributors.

colors@1.3.3 - **Copyright (c) 2016 Rod Vagg (the "Original Author") and additional contributors**

cipher-base@1.0.4 - Copyright (c) 2017 crypto-browserify contributors

kind-of@5.1.0 - Copyright (c) 2014-2017, Jon Schlinkert

asap@2.0.6 - Copyright 2009–2014 Contributors. All rights reserved.

stream-shift@1.0.0 - Copyright (c) 2016 Mathias Buus

xtend@4.0.1

postcss@6.0.19

supports-color@5.3.0

lodash.uniqby@4.7.0

combined-stream@1.0.7

chalk@1.1.3

ansi-styles@2.2.1

supports-color@2.0.0

vfile-message@1.0.0

turf-centroid@3.0.12

path-to-regexp@1.7.0

babel-plugin-transform-es2015-template-literals@6.22.0

p-defer@1.0.0

p-locate@2.0.0

babel-helper-define-map@6.26.0

date-now@0.1.4

vt-pbf@3.1.1

p-is-promise@1.1.0

is-wsl@1.1

align-text@0.1.4

path-type@3.0.0

lodash.keys@3.1.2

apollo-server-core@1.3.6

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

autoprefixer@9.1.0 - Copyright 2013 Andrey Sitnik <andrey@sitnik.ru>

postcss@7.0.2

pug-runtime@2.0.4

dom-helpers@3.3.1

babel-code-frame@6.26.0

supports-color@2.0.0

ansi-styles@2.2.1

chalk@1.1.3

is-extendable@0.1.1

turf-isolines@3.0.12

lodash._basecallback@3.3.1

path-key@2.0.1

babel-plugin-transform-es2015-sticky-regex@6.24.1

element-resize-detector@1.1.14

graphql@0.13.2

react-shortcuts@2.0.0

graphql-tag@2.10.0

fp-ts@1.12.0

to-object-path@0.3.0 - Copyright (c) 2015-2016, Jon Schlinkert.

lodash.keyby@4.6.0

he@0.5.0

convert-source-map@1.6.0

convert-source-map@6.26.3

base64-js@0.0.8

linebreak@0.3.0

camelcase@4.0.1

is-plain-obj21.1

@turf/meta@6.0.2

@turf/boolean-contains@6.0.1

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

@turf/boolean-point-on-line@6.0.1

@turf/boolean-point-in-polygon@6.0.1

@turf/helpers@6.1.4

@turf/invariant@6.1.2

@turf/bbox@6.0.1

lodash.debounce@3.1.1

platform@1.3.5

nanomatch@1.2.7

kind-of@5.1.0

extglob@2.0.3

kind-of@6.0.2

is-data-descriptor/node_modules/kind-of - Copyright (c) 2014-2017, Jon Schlinkert.

==========

ticky@1.0.0

puid@1.0.5

argparse@0.1.16

remarkable@1.7.1

console-browserify@1.1.0

react-anything-sortable@1.7.4

bit-twiddle@1.0.2

babel-plugin-transform-es2015-arrow-functions@6.22.0

snapdragon@0.8.1 - Copyright (c) 2015-2016, Jon Schlinkert.

angular-resource@1.4.9

squel@5.12.2

set-value@0.4.3

lodash.once@4.1.1

repeat-element@1.1.2 - Copyright (c) 2015 Jon Schlinkert

babel-plugin-transform-es2015-modules-amd@6.24.1

is-path-inside@1.0.1

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

lodash.isnumber@3.0.3

concat-map@0.1.1

react-markdown-renderer@1.4.0

prop-types@15.7.2

babel-plugin-add-module-exports@0.2.1

loglevel@1.6.1

readable-stream@2.3.6

string_decoder@1.1.1

babel-plugin-transform-object-rest-spread@6.26.0

wordwrap@0.0.3

babel-plugin-syntax-jsx@6.18.0

babel-helper-explode-assignable-expression@6.24.1

acorn@3.3.0

with@5.1.1

react-color@2.14.1

babel-polyfill@7.4.4

react-portal@3.2.0

prop-types@15.7.2

create-react-context@0.1.6

tether@1.4.3

p-cancelable@0.3.0

immutability-helper@2.6.4

babel-plugin-syntax-object-rest-spread@6.13.0

lodash.mean@4.10

arr-union@3.1.0 - Copyright (c) 2014-2016, Jon Schlinkert.

babel-plugin-transform-es2015-modules-systemjs@6.24.1

stream-browserify@2.0.1

process-nextick-args@2.0.0

big.js@3.2.0

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

tiny-inflate@1.0.2

strip-eof@1.0.0

pui-cursor@3.0.5

brorand@1.1.0

pug@2.0.3 - Copyright (c) 2009-2014 TJ Holowaychuk <tj@vision-media.ca>

fastparse@1.1.1

babel-messages@6.23.0

is-extendable@1.0.1

is-date-object@1.0.1

clean-css@4.2.1

clone@2.1.2

turf-along@3.0.12

json-schema-traverse@0.4.1 - Copyright (c) 2017 Evgeny Poberezkin

watchpack@1.6.0

terser-webpack-plugin@1.1.0

locate-path@3.0.0

p-limit@2.0.0

find-cache-dir@2.0.0

find-up@3.0.0

p-locate@3.0.0

pkg-dir@3.0.0

p-try@2.0.0

turf-square@3.0.12

leaflet-draw@0.4.10

babel-helper-builder-binary-assignment-operator-visitor@6.24.1

turf-helpers@3.0.12

resize-observer-polyfill@1.5.0

vfile-location@2.0.2

make-dir@1.3.0

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

pluralize@3.1.0

normalize-range@0.1.2

copy-to-clipboard@3.0.8

babel-plugin-transform-exponentiation-operator@6.24.1

punycode@2.1.1

p-queue@2.4.2

follow-redirects@1.4.1

@slack/client@4.8.0

find-up@2.1.0

insane@2.5.0

pify@3.0.0

browserslist@4.4.1

redux-thunks@1.0.0

pbkdf2@3.0.14 - Copyright (c) 2014 Daniel Cousens

color-convert@1.9.1

turf-point-on-line@3.0.12

miller-rabin@4.0.1

css-loader@1.0.0

postcss@6.0.23 - Copyright 2013 Andrey Sitnik andrey@sitnik.ru

safe-buffer@5.1.2 - Copyright (c) Feross Aboukhadijeh

@elastic/numeral@2.3.2

schema-utils@0.4.7 - Copyright JS Foundation and other contributors

bluebird@3.5.2 - Copyright (c) 2013-2018 Petka Antonov

concat-stream@1.6.2

uglifyjs-webpack-plugin@1.3.0

os-homedir@1.0.2

source-list-map@2.0.0

lodash.orderby@4.6.0

object-keys@1.0.11

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

http-signature@1.2.0 - Copyright Joyent, Inc. All rights reserved.

unist-util-visit@1.3.0

lodash.throttle@3.0.4

less-loader@4.1.0

turf-bbox-polygon@3.0.12

ansi-styles@3.2.1

memoize-one@4.0.2

https-browserify@1.0.0

eventemitter3@3.1.0

dragselect@1.8.1

@webassemblyjs/wasm-parser@1.7.10

@webassemblyjs/ast@1.7.10

@webassemblyjs/helper-buffer@1.7.10

@webassemblyjs/helper-module-context@1.7.10

@webassemblyjs/wasm-opt@1.7.10

@webassemblyjs/wast-printer@1.7.10

@webassemblyjs/leb128@1.7.10

@webassemblyjs/wasm-gen@1.7.10

@webassemblyjs/helper-code-frame@1.7.10

@webassemblyjs/wast-parser@1.7.10

@webassemblyjs/wasm-edit@1.7.10

thread-loader@2.1.2

loader-runner@2.3.1

is-arrayish@0.3.1 - Copyright (c) 2015 JD Ballard

globals@9.18.0

babel-traverse@6.26.0

upath@1.1.0

classnames@2.2.6

apollo-link-http@1.5.4

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

is-odd@2.0.0

resolve-protobuf-schema@2.1.0

react-dom@16.6.0

recompose@0.26.0

turf-point@2.0.1

turf-point-grid@3.0.12

csscolorparser@1.0.3

babel-helper-regex@6.26.0

jws@3.1.5

babel-preset-es2015@6.24.1

brotli@1.3.2

repeating@2.0.1

execa@0.7.0

os-locale@2.1.0

replace-ext@1.0.0

debug@2.6.9

ms@2.0.0

component-emitter@1.2.1 - Copyright (c) 2014 Component contributors <dev@component.io>

extend-shallow@2.0.1

babel-helper-builder-react-jsx@6.26.0

object.getownpropertydescriptors@2.0.3

decode-uri-component@0.2.0

venn.js@0.2.9

aws4@1.8.0

extend-shallow@3.0.2

is-extendable@1.0.1

unicode-match-property-value-ecmascript@1.0.2

babel-plugin-syntax-trailing-function-commas@6.22.0

object-assign@4.1.1

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

react-select@1.2.1

inline-style@2.0.0

pump@1.0.3 - Copyright (c) 2014 Mathias Buus

tar-fs@1.13.0

apollo-server-module-graphiql@1.3.4

deep-equal@1.0.1

path-is-absolute@1.0.1

turf-line-slice@3.0.12

babel-plugin-transform-es2015-modules-commonjs@6.26.0

js-stringify@1.0.2

minimist@0.0.10

optimist@0.6.1

constants-browserify@1.0.0

react-sizeme@2.3.6

is-path-cwd@1.0.0

ret@0.1.15

readable-stream@1.1.14

isarray@0.0.1

traversepump@3.0.0

dfa@1.1.0

moment-duration-format@1.3.0

@babel/helper-replace-supers@7.1.0

@babel/traverse@7.2.3

@babel/types@7.3.0

@babel/generator@7.3.0

@babel/parser@7.3.1

@babel/helpers@7.3.1

@babel/plugin-proposal-async-generator-functions@7.2.0

resolve@1.8.1

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

@babel/parser@7.3.4

@babel/parser@7.3.4

regenerator-transform@0.14.0

@babel/plugin-proposal-class-properties@7.3.4

@babel/plugin-transform-react-jsx@7.0.0

@babel/plugin-transform-new-target@7.0.0

@babel/plugin-transform-unicode-regex

@babel/plugin-transform-react-display-name@7.0.0

@babel/plugin-proposal-optional-catch-binding@7.2.0

@babel/parser@7.1.3

@babel/types@7.3.4

@babel/helper-module-imports@7.0.0 - Copyright (c) 2014-2018 Sebastian McKenzie <sebmck@gmail.com>

@babel/plugin-transform-shorthand-properties@7.2.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/plugin-transform-exponentiation-operator@7.2.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/traverse/node_modules/debug@4.1.1 - Copyright (c) 2014 TJ Holowaychuk <tj@vision-media.ca>

@babel/traverse@7.3.4 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/plugin-transform-regenerator@7.3.4 - Copyright (c) 2014-present Sebastian McKenzie and other contributors

@babel/helpers/node_modules/@babel/generator@7.3.4 - Copyright (c) 2014-present Sebastian McKenzie and other contributors

@babel/helpers/node_modules/@babel/traverse@7.1.4 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/helpers/node_modules/@babel/types@7.3.4 - Copyright (c) 2014-present Sebastian McKenzie and other contributors

@babel/helpers/node_modules/debug - Copyright (c) 2014 TJ Holowaychuk <tj@vision-media.ca>

babel-helpers@6.24.1 - Copyright (c) 2014-present Sebastian McKenzie and other contributors

@babel/plugin-syntax-object-rest-spread@7.2.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/plugin-transform-typescript@7.3.2 - Copyright (c) 2014-present Sebastian McKenzie and other contributors

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

@babel/helper-call-delegate@7.1.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/plugin-transform-parameters@7.2.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/plugin-transform-modules-commonjs@7.2.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/plugin-syntax-optional-catch-binding@7.2.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/core/node_modules/@babel/traverse - Copyright (c) 2014-present Sebastian McKenzie and other contributors

@babel/core/node_modules/@babel/types@7.3.4 - Copyright (c) 2014-present Sebastian McKenzie and other contributors

@babel/core/node_modules/json5@0.5.1 - Copyright (c) 2012-2018 Aseem Kishore, and [others].

@babel/core/node_modules/debug - Copyright (c) 2014 TJ Holowaychuk <tj@vision-media.ca>

@babel/core@7.3.4 - Copyright (c) 2014-present Sebastian McKenzie and other contributors

@babel/helper-explode-assignable-expression@7.1.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/plugin-syntax-json-strings@7.2.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/plugin-transform-object-super/node_modules/@babel/helper-replace-supers@7.3.4 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/plugin-transform-object-super@7.2.0 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/template/node_modules/@babel/types - Copyright (c) 2014-present Sebastian McKenzie and other contributors

@babel/template@7.2.2 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@babel/plugin-transform-named-capturing-groups-regex@7.3.0 - Copyright (c) 2014-present Sebastian McKenzie and other contributors

acorn@5.3.0

monotone-convex-hull-2d@1.0.1

builtins@0.0.7

stylis@3.5.1

quote-stream@1.0.2

select@1.1.2

ms@2.1.1

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

yargs@12.0.5

p-locate@3.0.0

camelcase@5.0.0

lcid@2.0.0

invert-kv@2.0.0

locate-path@3.0.0

find-up@3.0.0

execa@0.10.0

p-try@2.0.0

kind-of@6.0.2 - Copyright (c) 2014-2017, Jon Schlinkert.

is-data-descriptor@1.0.0 - Copyright (c) 2015-2017, Jon Schlinkert.

turf-envelope@3.0.12

uc.micro@1.0.5

angular-route@1.4.7

resolve-pathname@2.2.0

acorn@4.0.13

react-grid-layout@0.16.6

get-stream@3.0.0

apollo-tracing@0.1.4

hmac-drbg@1.0.1

builtin-status-codes@3.0.0

babel-plugin-transform-es2015-typeof-symbol@6.23.0

ansi-regex@2.1.1

function-bind@1.1.1

scheduler@0.10.0

turf-explode@3.0.12

import-fro@2.1.0

babel-plugin-syntax-flow@6.18.0

react-input-range@1.3.0

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

react-router@4.3.1

end-of-stream@1.4.1 - Copyright (c) 2014 Mathias Buus

change-emitter@0.1.6

json-parse-better-errors@1.0.2

turf-tesselate@3.0.12

define-properties@1.1.2 - Copyright (c) 2015, 2017, Jon Schlinkert

apollo-server-errors@2.0.2

collapse-white-space@1.0.3

des.js@1.0.0

asn1.js@4.10.1

fast-glob/node_modules/kind-of@2.0.4 - Copyright (c) 2014-2017, Jon Schlinkert.

fast-glob/node_modules/micromatch@2.0.4 - Copyright (c) 2014-2017, Jon Schlinkert.

fast-glob/node_modules/extglob@2.0.4 - Copyright (c) 2015-2017, Jon Schlinkert.

fast-glob/node_modules/is-odd@2.0.4 - Copyright (c) 2015-2017, Jon Schlinkert

fast-glob/node_modules/define-property@2.0.4 - Copyright (c) 2015, 2017, Jon Schlinkert

fast-glob@2.0.4 - Copyright (c) Denis Malinochkin

acorn-dynamic-import@3.0.0 - Copyright (c) 2016 Jordan Gensler

longest@1.0.1 - Copyright (c) 2014-2015, Jon Schlinkert.

postcss-loader/node_modules/postcss - Copyright 2013 Andrey Sitnik <andrey@sitnik.ru>

postcss-loader@3.0.0 - Copyright 2017 Andrey Sitnik <andrey@sitnik.ru>

vm-browserify@0.0.4

react-toggle@4.0.2 - Copyright (c) 2015 instructure-react

core-js@2.5.3 - Copyright (c) 2014-2017 Denis Pushkarev

micromatch/node_modules/kind-of@1.0.0 - Copyright (c) 2014-2017, Jon Schlinkert.

micromatch/node_modules/extend-shallow@1.0.0 - Copyright (c) 2014-2015, 2017, Jon Schlinkert.

micromatch/node_modules/to-regex/node_modules/regex-not@1.0.0 - Copyright (c) 2016, 2018, Jon Schlinkert.

micromatch/node_modules/to-regex@1.0.0 - Copyright (c) 2016-2018, Jon Schlinkert.

micromatch/node_modules/is-extendable@1.0.0 - Copyright (c) 2015-2017, Jon Schlinkert.

micromatch/node_modules/define-property@1.0.0 - Copyright (c) 2015-2018, Jon Schlinkert.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

micromatch@3.1.5 - Copyright (c) 2014-2018, Jon Schlinkert.

Extend - Copyright (c) 2014 Stefan Thomas

dashdash@1.14.1 - Copyright (c) 2013 Trent Mick. All rights reserved., Copyright (c) 2013 Joyent Inc. All rights reserved.

Duplexify - Copyright (c) 2014 Mathias Buus

create-react-class@15.6.2 - Copyright (c) 2013-present, Facebook, Inc.

has/LICENSE-MIT - Copyright (c) 2013 Thiago de Arruda

regex-not@1.0.2 - Copyright (c) 2016 Jon Schlinkert

JSONStream@1.1.1/LICENSE.MIT - Copyright (c) 2011 Dominic Tarr

timers-browserify@2.0.6

right-align@0.1.3 - Copyright (c) 2015, Jon Schlinkert.

http-proxy-agent/node_modules/debug - Copyright (c) 2014 TJ Holowaychuk <tj@vision-media.ca>

has-value - Copyright (c) 2014-2017, Jon Schlinkert

isemail/node_modules/punycode/LICENSE-MIT.txt - Copyright Mathias Bynens <https://mathiasbynens.be/>

chrome-trace-event@1.0.0 - Copyright (c) 2015 Joyent Inc. All rights reserved.

regexp-tree/node_modules/yargs - Copyright 2010 James Halliday (mail@substack.net) Modified work Copyright 2014 Contributors (ben@npmjs.com)

regexp-tree - Copyright (c) 2017 Dmitry Soshnikov

pako@1.0.6 - Copyright (C) 2014-2017 by Vitaly Puzrin and Andrei Tuputcyn

tty-browserify@0.0.0 - Copyright (c) 2011 TJ Holowaychuk <tj@vision-media.ca>

readdirp@2.2.1 - Copyright (c) 2012-2015 Thorsten Lorenz

ajv-errors@1.0.0 - Copyright (c) 2017 Evgeny Poberezkin

array-unique@0.3.2 - Copyright (c) 2014-2016, Jon Schlinkert

randomfill@1.0.4 - Copyright (c) 2017 crypto-browserify

assign-symbols@1.0.0 - Copyright (c) 2015, Jon Schlinkert.

cross-spawn@5.1.0 - Copyright (c) 2018 Made With MOXY Lda <hello@moxy.studio>

is-directory@0.3.1 - Copyright (c) 2014-2016, Jon Schlinkert.

extglob/node_modules/define-property@1.0.0 = Copyright (c) 2015, 2017, Jon Schlinkert

extglob@2.0.4 - Copyright (c) 2015-2017, Jon Schlinkert.

flush-write-stream@1.0.3 - Copyright (c) 2015 Mathias Buus

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

fragment-cache@0.2.1 - Copyright (c) 2016-2017, Jon Schlinkert

unicode-property-aliases-ecmascript/LICENSE-MIT.txt - Copyright Mathias Bynens <https://mathiasbynens.be/>

use - Copyright (c) 2015-2017, Jon Schlinkert

events@1.1.1 - Copyright Joyent, Inc. and other Node contributors.

jstransformer@1.0.0 - Copyright (c) 2015 Forbes Lindesay

yauzl@2.4.1 - Copyright (c) 2014 Josh Wolfe

isobject@3.0.1 - Copyright (c) 2014-2017, Jon Schlinkert.

evp_bytestokey@1.0.3 - Copyright (c) 2017 crypto-browserify contributors

babel-plugin-transform-define@1.3.1 - Copyright (c) 2016 Formidable

copy-descriptor@0.1.1 - Copyright (c) 2015-2016, Jon Schlinkert

@kbn/babel-code-parser/node_modules/@babel/types@7.1.3 - Copyright (c) 2014-2018 Sebastian McKenzie and other contributors

@kbn/babel-code-parser/node_modules/debug@3.2.6 - Copyright (c) 2014 TJ Holowaychuk <tj@vision-media.ca>

@kbn/i18n/node_modules/prop-types@15.7.2 - Copyright (c) 2013-present, Facebook, Inc.

stream-each@1.2.3 - Copyright (c) 2015 Mathias Buus

pend@1.2.0 - Copyright (c) 2014 Andrew Kelley

set-getter@0.1.0 - Copyright (c) 2016, Brian Woodward.

merge2@1.2.1 - Copyright (c) 2014-2018 Teambition

tinygradient@0.3.0 - Copyright (c) 2014 Damien Sorel

resolve-url@0.2.1 - Copyright (c) 2013 Simon Lydell

numeral@2.0.6

ua-parser-js@0.7.18

linkify-it@2.0.3

react-lifecycles-compat@3.0.4

has@1.0.1

is-decimal@1.0.1

reselect@3.0.1

any-observable@0.3.0

use@2.0.2

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

cross-spawn@6.0.5

mem@1.1.0

async-each@1.0.1

hjson@3.1.0

uuid@3.0.1 - Copyright (c) 2010-2016 Robert Kieffer and other contributors

turf-bbox@3.0.12

turf-flip@3.0.12

unicode-property-aliases-ecmascript@1.0.4

babel-helper-call-delegate@6.24.1

npm-run-path@2.0.2

kind-of@3.2.2

is-promise@2.1.0

minimist@0.0.5

elliptic@6.4.0

apollo-link@1.2.3

turf-buffer@3.0.12

character-entities@1.2.1

promise@7.3.1

acorn@5.3.0

isarray@0.0.1

falafel@2.1.0

esutils@2.0.2

esprima@1.1.1 , esprima@1.0.4 , esprima@2.2.0

escodegen@1.3.3 , escodegen@0.0.28 , escodegen@1.2.0

estraverse@1.3.2 , esprima@1.0.4 , estraverse@1.5.1

html@1.0.0 - Copyright (c) 2013 Max Ogden

regjsparser@0.1.5

regenerator-transform@0.10.1

json-schema@0.2.3 - Copyright (c) 2017 Evgeny Poberezkin

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

uri-js/node_modules/punycode/LICENSE-MIT.txt - Copyright Mathias Bynens <https://mathiasbynens.be/>

window-size@0.1.0/LICENSE-MIT - Copyright (c) 2014 Jon Schlinkert

glob-all/node_modules/minimist@0.0.8 - This software is released under the : MIT

regjsparser/node_modules/jsesc@0.5.0/LICENSE-MIT.txt - Copyright Mathias Bynens <http://mathiasbynens.be/>

invariant@2.2.4 - Copyright (c) 2013-present, Facebook, Inc.

prop-types@15.7.2 - Copyright (c) 2013-present, Facebook, Inc.

glob@7.1.3 - Copyright (c) 2014-2016, Jon Schlinkert.

@webassemblyjs/helper-fsm@1.7.10 - Copyright (c) 2018 Sven Sauleau <sven@sauleau.com>

==========

BSD License

BSD 2-Clause License

cosmiconfig/node_modules/esprima/LICENSE.BSD - Copyright JS Foundation and other contributors, https://js.foundation/

esutils@1.0.0 , esutils@2.0.2

scroll-into-view@1.9.1

wgs84@0.0.0

glob-to-regexp@0.3.0

mime-types@2.1.21- Copyright (c) 2014 Jonathan Ong <me@jongleberry.com> , Copyright (c) 2015 Douglas Christopher Wilson <doug@somethingdoug.com>

duplexer2@0.0.2

is-extglob - Copyright (c) 2014-2016, Jon Schlinkert

postcss-modules-local-by-default@1.2.0 - Copyright 2015 Mark Dalgleish <mark.john.dalgleish@gmail.com>

object-copy@0.1.0 - Copyright (c) 2016, Jon Schlinkert.

glob-all/node_modules/yargs@3.10.0 - Copyright 2010 James Halliday (mail@substack.net)

buffer-from@1.1.1 - Copyright (c) 2016, 2018 Linus Unnebäck

buffer@3.6.0 - Copyright (c) Feross Aboukhadijeh, and other contributors.

to-regex@3.0.1 - Copyright (c) 2016 Jon Schlinkert

require-directory@2.1.1 - Copyright (c) 2011 Troy Goode <troygoode@gmail.com>

webpack-sources@1.3.0 - Copyright (c) 2017 JS Foundation and other contributors

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

browserify-zlib@0.2.0 - Copyright (c) 2014-2015 Devon Govett <devongovett@gmail.com>

asynckit@0.4.0 - Copyright (c) 2016 Alex Indigo

ajv-keywords@3.2.0 - Copyright (c) 2016 Evgeny Poberezkin

braces@2.3.2 - Copyright (c) 2014-2018, Jon Schlinkert.

collection-visit@1.0.0 - Copyright (c) 2015, 2017, Jon Schlinkert

snapdragon-util@3.0.1 - Copyright (c) 2017, Jon Schlinkert

process@0.11.10 - Copyright (c) 2013 Roman Shtylman <shtylman@gmail.com>

pumpify@1.5.1 - Copyright (c) 2014 Mathias Buus

url-loader/node_modules/mime@2.3.1 - Copyright (c) 2010 Benjamin Thomas, Robert Kieffer

==========

BSD-Clause 2 License

This package contains code originally written by Isaac Z. Schlueter.

Used with permission.

Copyright (c) Meryn Stol ("Author")

All rights reserved.

BSD License:

BSD 2-Clause License

leaflet@1.0.3

terser@3.11.0

eslint-scope@4.0.0 - Copyright JS Foundation and other contributors, https://js.foundation, Copyright (C) 2012-2013 Yusuke Suzuki (twitter: @Constellation) and other contributors.

estraverse@4.2.0

leaflet-vega@0.8.6

regjsparser@0.3.0

uglify-es@3.3.9 - UglifyJS is released under the BSD license: Copyright 2012-2013 (c) Mihai Bazon <mihai.bazon@gmail.com>

uglify-js@2.8.29

extract-zip@1.5.0

geojson-area@0.2.1

simplify-js@1.2.3

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

esprima@4.0.0

extract-zip@1.6.7

warning@2.1.0

uri-js@4.2.2

mississippi@2.0.0

mississippi@3.0.0

esrecurse@4.2.1

@mapbox/geojson-area@0.2.2

@mapbox/unitbezier@0.0.0

sharkdown@0.1.0

==========

BSD-Clause 3 License

Copyright (c) 2012-2016, Project contributors

Copyright (c) 2012-2014, Walmart

All rights reserved.

BSD 3-Clause License

ammo@3.0.2 - Copyright (c) 2014-2017, Project contributors, Copyright (c) 2014, Walmart. All rights reserved.

react-intl@2.8.0 - Copyright 2014 Yahoo Inc. All rights reserved.

intl-messageformat-parser@1.4.0 - Copyright 2014 Yahoo! Inc. All rights reserved.

d3-voronoi@1.1.2

pbf@3.1.0

ieee754@1.1.12 - Copyright (c) 2008, Fair Oaks Labs, Inc. All rights reserved.

hoek@6.0.3 , hoek@5.0.4 - Copyright (c) 2011-2017, Project contributors. Copyright (c) 2011-2014, Walmart. Copyright (c) 2011, Yahoo Inc. All rights reserved.

boom@7.2.2 , boom@3.1.1 - Copyright (c) 2012-2018, Project contributors. Copyright (c) 2012-2014, Walmart. All rights reserved.

source-map@0.5.3 , source-map@0.5.7 , Copyright (c) 2009-2011, Mozilla Foundation and contributors. All rights reserved.

source-map-support@0.4.8 - Copyright (c) 2014 Evan Wallace

define-property@0.2.5 - Copyright (c) 2015, Jon Schlinkert.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

vega-canvas@1.1.0 - Copyright (c) 2018, University of Washington Interactive Data Lab. All rights reserved.

qs@6.5.2 - Copyright (c) 2014 Nathan LaFreniere and other contributors. All rights reserved.

catbox@10.0.3 - Copyright (c) 2012-2018, Project contributors. Copyright (c) 2012-2014, Walmart. All rights reserved.

teamwork@3.0.1 - Copyright (c) 2015-2017, Eran Hammer and Project contributors. All rights reserved.

vega-hierarchy@3.1.0 - Copyright (c) 2016, University of Washington Interactive Data Lab. All rights reserved.

d3-hierarchy@1.1.8 - Copyright 2010-2016 Mike Bostock. All rights reserved.

mimos@4.0.0 - Copyright (c) 2014-2017, Project contributors. Copyright (c) 2014, Walmart. All rights reserved.

vega-lite@2.5.1 , vega-lite@2.6.0 - Copyright (c) 2015, University of Washington Interactive Data Lab. All rights reserved.

vega-typings@0.3.53 - Copyright (c) 2018, Vega. All rights reserved.

vega-wordcloud@3.0.0 - Copyright (c) 2016, University of Washington Interactive Data Lab. All rights reserved.

content@4.0.5 - Copyright (c) 2014-2017, Project contributors. Copyright (c) 2014, Walmart. All rights reserved.

hapi-auth-cookie@9.0.0

vega-lib@4.3.0

vega-tooltip@0.9.14

d3-path@1.0.5 - Copyright 2015-2016 Mike Bostock. All rights reserved.

d3@3.5.6

hoist-non-react-statics@2.5.5

vega-dataflow@4.1.0 - Copyright (c) 2016, University of Washington Interactive Data Lab. All rights reserved.

serialize-javascript@1.5.0 - Copyright 2014 Yahoo! Inc. All rights reserved.

vega-util@1.7.0 - Copyright (c) 2016, University of Washington Interactive Data Lab. All rights reserved.

d3-array@1.2.1 - Copyright 2010-2018 Mike Bostock. All rights reserved.

source-map@0.5.7 - Copyright (c) 2009-2011, Mozilla Foundation and contributors. All rights reserved.

d3-scale-chromatic@1.3.3 - Copyright 2010-2018 Mike Bostock. All rights reserved.

bcrypt-pbkdf@1.0.2 - The Blowfish portions are under the following license: Blowfish block cipher for OpenBSD. Copyright 1997 Niels Provos provos@physnet.uni-hamburg.de. All rights reserved.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

intl-relativeformat@2.1.0 - Copyright 2014 Yahoo! Inc. All rights reserved.

d3-sankey@0.7.1

hapi@17.6.0 - Copyright (c) 2011-2018, Project contributors, Copyright (c) 2011-2014, Walmart, Copyright (c) 2011, Yahoo Inc. All rights reserved.

hoek@2.16.3 , hoek@3.0.4 - Copyright (c) 2011-2017, Project contributors. Copyright (c) 2011-2014, Walmart. Copyright (c) 2011, Yahoo Inc. All rights reserved.

good-squeeze@2.1.0 - Copyright (c) 2012-2014, Walmart and other contributors. All rights reserved.

inert@5.1.0 - Copyright (c) 2012-2017, Gil Pedersen and other contributors. Copyright (c) 2012-2014, Walmart. All rights reserved.

d3-dispatch@0.2.6 - Copyright 2010-2016 Mike Bostock. All rights reserved.

accept@3.0.2 -Copyright (c) 2014-2017, Project contributors. Copyright (c) 2015-2016, Mark Bradshaw. Copyright (c) 2014, Walmart. All rights reserved.

d3-time@1.0.8 - Copyright 2010-2016 Mike Bostock. All rights reserved.

jsts-validationsuite@0.1.0

d3-shape@1.3.4 - Copyright 2010-2015 Mike Bostock. All rights reserved.

d3-path@1.0.5 , d3-path@1.0.7 - Copyright 2015-2016 Mike Bostock. All rights reserved.

vega-scenegraph@3.2.3 - Copyright (c) 2015-2016, University of Washington Interactive Data Lab. All rights reserved.

d3-hierarchy@1.1.5 - Copyright 2010-2016 Mike Bostock. All rights reserved.

sprintf-js@1.0.3 - Copyright (c) 2007-2014, Alexandru Marasteanu <hello [at) alexei (dot] ro>. All rights reserved.

buffer-equal-constant-time@1.0.1

d3-scale@1.0.6 , d3-scale@1.0.7 - Copyright 2010-2015 Mike Bostock. All rights reserved.

d3-array@2.0.3 - Copyright 2010-2018 Mike Bostock. All rights reserved.

vega-view@3.4.1 - Copyright (c) 2016, University of Washington Interactive Data Lab. All rights reserved.

bounce@1.2.0 - Copyright (c) 2017, Project contributors. All rights reserved.

vega-transforms@2.3.1 - Copyright (c) 2017, University of Washington Interactive Data Lab. All rights reserved.

rw@1.3.3

joi@13.7.0 - Copyright (c) 2012-2018, Project contributors. Copyright (c) 2012-2014, Walmart. All rights reserved.

vega-projection@1.2.0 - Copyright (c) 2017, University of Washington Interactive Data Lab. All rights reserved.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

d3-timer@1.0.9 - Copyright 2010-2016 Mike Bostock. All rights reserved.

catbox-memory@3.1.2 - Copyright (c) 2012-2018, Project contributors. Copyright (c) 2012-2014, Walmart. All rights reserved.

intl-format-cache@2.1.0 - Copyright 2014 Yahoo! Inc. All rights reserved.

d3-quadtree@1.0.3 - Copyright 2010-2016 Mike Bostock. All rights reserved.

color@1.0.3 - Copyright (c) 2012 Heather Arthur

d3-scale@2.2.2 - Copyright 2010-2015 Mike Bostock. All rights reserved.

babel-plugin-transform-es2015-destructuring@6.23.0

isarray@1.0.0

robust-scale@1.0.2

whatwg-fetch@3.0.0

finity@0.5.4

intl-messageformat@2.2.0 - Copyright 2013 Yahoo! Inc. All rights reserved.

wreck@14.1.0 - Copyright (c) 2012-2017, Project contributors. Copyright (c) 2012-2014, Walmart. All rights reserved.

d3-contour@1.3.2 - Copyright 2012-2017 Mike Bostock. All rights reserved.

d3-array@2.0.3 - Copyright 2010-2018 Mike Bostock. All rights reserved

vega-geo@3.1.1 - Copyright (c) 2016, University of Washington Interactive Data Lab. All rights reserved.

@elastic/good@ 8.1.1-kibana2

topojson-client@3.0.0

vega-encode@3.2.2 - Copyright (c) 2016, University of Washington Interactive Data Lab. All rights reserved.

@xtuc/ieee754@1.2.0 - Copyright (c) 2008, Fair Oaks Labs, Inc. All rights reserved.

shot@4.0.5 - Copyright (c) 2012-2017, Project contributors. Copyright (c) 2012-2014, Walmart. All rights reserved.

items@2.1.1 - Copyright (c) 2014-2016, Project contributors. Copyright (c) 2014, Walmart. Copyright (c) 2010-2014 Caolan McMahon. All rights reserved.

vega-force@3.0.0 - Copyright (c) 2016, University of Washington Interactive Data Lab. All rights reserved.

topo@3.0.0 - Copyright (c) 2012-2016, Project contributors. Copyright (c) 2012-2014, Walmart All rights reserved.

isemail@3.1.4 - Copyright (c) 2014-2015, Eli Skeggs and Project contributors. Copyright (c) 2013-2014, GlobeSherpa. Copyright (c) 2008-2011, Dominic Sayers. All rights reserved.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

vega-loader@3.1.0 - Copyright (c) 2016, University of Washington Interactive Data Lab. All rights reserved.

d3-time-format@2.1.3 - Copyright 2010-2017 Mike Bostock. All rights reserved.

punycode@2.1.1 - Copyright Mathias Bynens <https://mathiasbynens.be/>

pkg-dir@2.0.0

tabbable@1.1.0

vega-expression@2.4.0 - Copyright (c) 2015-2016, University of Washington Interactive Data Lab. All rights reserved.

Jeremy Stashewsky@2.4.3

vise@3.0.0 - Copyright (c) 2014-2016, Project contributors. Copyright (c) 2014, Walmart. All rights reserved.

vega-event-selector@2.0.0 - Copyright (c) 2017, University of Washington Interactive Data Lab. All rights reserved.

vega-view-transforms@2.0.3 - Copyright (c) 2017, University of Washington Interactive Data Lab. All rights reserved.

highlight.js@9.12.0

d3-cloud@1.2.1

call@5.0.1 - Copyright (c) 2014-2017, Project contributors. Copyright (c) 2014, Walmart. All rights reserved.

cryptiles@4.1.3 - Copyright (c) 2014-2018, Eran Hammer and Project contributors. All rights reserved.

vega-crossfilter@3.0.1 - Copyright (c) 2016, University of Washington Interactive Data Lab. All rights reserved.

d3-array@2.0.3 - Copyright 2010-2018 Mike Bostock. All rights reserved.

heavy@6.1.0. Copyright (c) 2013-2017, Project contributors. Copyright (c) 2013-2014, Walmart. All rights reserved.

pez@4.0.2 - Copyright (c) 2014-2017, Project contributors. Copyright (c) 2014, Walmart. Copyright (c) 2011-2013 Felix Geisend  rfer, Andrew Kelley. All rights reserved.

h2o2@8.1.2 - Copyright (c) 2012-2014, Walmart and other contributors.. All rights reserved.

vega-scale@2.5.1 - Copyright (c) 2016, University of Washington Interactive Data Lab. All rights reserved.

d3-array@1.2.1 - Copyright 2010-2016 Mike Bostock. All rights reserved.

d3-time@1.0.8 - Copyright 2010-2016 Mike Bostock. All rights reserved

vega-voronoi@3.0.0 - Copyright (c) 2016, University of Washington Interactive Data Lab. All rights reserved.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

d3-array@2.0.3 - Copyright 2010-2018 Mike Bostock. All rights reserved.

vega-statistics@1.2.3 - Copyright (c) 2016, University of Washington Interactive Data Lab. All rights reserved.

d3-time-format@2.1.1 - Copyright 2010-2017 Mike Bostock. All rights reserved.

b64@4.0.0 - Copyright (c) 2014-2017, Project contributors. Copyright (c) 2014, Walmart. Copyright (C) 1999, Masanao Izumo iz@onicos.co.jp. All rights reserved.

oppsy@2.0.0 - Copyright (c) 2015, Project contributors. All rights reserved.

react-draggable@3.0.5

d3-time-format@2.1.3 - Copyright 2010-2017 Mike Bostock. All rights reserved.

vega-parser@3.9.0 - Copyright (c) 2016, University of Washington Interactive Data Lab. All rights reserved.

d3-timer@1.0.7 - Copyright 2010-2016 Mike Bostock. All rights reserved.

d3-dispatch@1.0.3 - Copyright 2010-2016 Mike Bostock. All rights reserved.

d3-force@1.2.0 - Copyright 2010-2016 Mike Bostock. All rights reserved.

vega-runtime@3.2.0 - Copyright (c) 2016, University of Washington Interactive Data Lab. All rights reserved.

hoek@3.0.4 - Copyright (c) 2011-2017, Project contributors. Copyright (c) 2011-2014, Walmart. Copyright (c) 2011, Yahoo Inc. All rights reserved.

d3-shape@1.2.0 - Copyright 2015-2016 Mike Bostock. All rights reserved.

ieee754@1.1.8 - Copyright (c) 2008, Fair Oaks Labs, Inc. All rights reserved.

podium@3.1.2 - Copyright (c) 2016-2017, Project contributors. All rights reserved.

d3-contour@1.1.2 - Copyright 2010-2016 Mike Bostock. All rights reserved.

vega-schema-url-parser@1.0.0

subtext@6.0.7 - Copyright (c) 2012-2017, Project contributors. Copyright (c) 2012-2014, Walmart. All rights reserved.

vega-typings@0.2.15 - Copyright (c) 2018, Vega. All rights reserved.

nigel@3.0.1 - Copyright (c) 2014-2018, Project contributors. Copyright (c) 2014, Walmart. All rights reserved.

d3-dsv@1.1.1 - Copyright 2013-2016 Mike Bostock. All rights reserved.

@mapbox/vector-tile@1.3.1

@mapbox/mapbox-gl-supported@1.4.0

vision@5.4.0 - Copyright (c) 2012-2017, Project contributors. Copyright (c) 2012-2015, Walmart. All rights reserved.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

iron@5.0.4 - Copyright (c) 2012-2017, Eran Hammer and Project contributors. All rights reserved.

statehood@6.0.6 - Copyright (c) 2014-2017, Project contributors. Copyright (c) 2014, Walmart. All rights reserved.

==========

ISC License:

ISC License

turf-meta@3.0.12

turf-convex@3.0.12

lru-cache@4.1.3 - Copyright (c) Isaac Z. Schlueter and Contributors

cacache@11.3.1 - Copyright (c) npm, Inc.

tar@2.2.0 - Copyright (c) Isaac Z. Schlueter and Contributors

inflight@1.0.6 - Copyright (c) Isaac Z. Schlueter

potpack@1.0.1

minimalistic-assert@1.0.0

which-module@2.0.0 - Copyright (c) 2016, Contributors

geojson-rewind@0.3.1

semver@5.4.1 - Copyright (c) Isaac Z. Schlueter and Contributors

turf-simplify@3.0.12

postcss-modules-extract-imports@1.2.0

grid-index@1.0.0

wrappy@1.0.2 - Copyright (c) Isaac Z. Schlueter and Contributors

block-stream@0.0.9 - Copyright (c) Isaac Z. Schlueter and Contributors

require-main-filename@1.0.1 - Copyright (c) 2016, Contributors

cliui@2.1.0 - Copyright (c) 2015, Contributors

inherits@2.0.1 - Copyright (c) Isaac Z. Schlueter

electron-to-chromium@1.3.108 - Copyright 2018 Kilian Valkhof

turf-union@3.0.12

@mapbox/mapbox-gl-style-spec@13.5.0

turf-invariant@3.0.12

lru-cache@4.1.2 -Copyright (c) Isaac Z. Schlueter and Contributors

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

turf-bezier@3.0.12

css-color-keywords@1.0.0

inherits@2.0.3 - Copyright (c) Isaac Z. Schlueter

anymatch@2.0.0 - Copyright (c) 2014 Elan Shanker

aproba@1.2.0 - Copyright (c) 2015, Rebecca Turner <me@re-becca.org>

signal-exit@3.0.2 - Copyright (c) 2015, Contributors

unique-filename@1.1.1 - Copyright npm, Inc

electron-to-chromium@1.3.82 - Copyright 2018 Kilian Valkhof

semver@5.4.1 - Copyright (c) Isaac Z. Schlueter and Contributors

y18n@4.0.0 - Copyright (c) 2015, Contributors

constantinople@3.1.2 - Copyright (c) 2013 Forbes Lindesay

cliui@4.0.0 - Copyright (c) 2015, Contributors

pivotal-ui@13.0.1

geojson-vt@3.2.1

glob@7.1.3 - Copyright (c) Isaac Z. Schlueter and Contributors

glob@6.0.4 - Copyright (c) Isaac Z. Schlueter and Contributors

semver@5.1.0 - Copyright (c) Isaac Z. Schlueter and Contributors

graceful-fs@4.1.11 - Copyright (c) Isaac Z. Schlueter, Ben Noordhuis, and Contributors

turf-random@3.0.12

browserify-sign@4.0.4 - Copyright (c) 2014-2015 Calvin Metcalf and browserify-sign contributors

get-caller-file@1.0.2

glob@5.0.15 - Copyright (c) Isaac Z. Schlueter and Contributors

rimraf@2.4.3 - Copyright (c) Isaac Z. Schlueter and Contributors

kdbush@3.0.0

tinyqueue@1.2.3

unique-slug@2.0.1 - Copyright npm, Inc

turf-area@3.0.12

fs.realpath@1.0.0 - Copyright (c) Isaac Z. Schlueter and Contributors

semver@5.5.0 - Copyright (c) Isaac Z. Schlueter and Contributors

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

fs-write-stream-atomic@1.0.10 - Copyright (c) Isaac Z. Schlueter and Contributors

turf-intersect@3.0.12

glob@7.1.3

har-schema@2.0.0 - Copyright (c) 2015, Ahmad Nassri <ahmad@ahmadnassri.com>

glob-parent@3.1.0 - Copyright (c) 2015 Elan Shanker

yargs-parse@9.0.2 - Copyright (c) 2016, Contributors

fstream@1.0.11 - Copyright (c) Isaac Z. Schlueter and Contributors

parse-asn1@5.1.0

semver@5.4.1 - Copyright (c) Isaac Z. Schlueter and Contributors

chownr@1.0.1 - Copyright (c) Isaac Z. Schlueter and Contributors

remove-trailing-separator@1.1.0

minimatch@3.0.4 - Copyright (c) Isaac Z. Schlueter and Contributors

supercluster@5.0.0

earcut@2.1.3

ssri@5.3.0 - Copyright (c) npm, Inc.

lru-cache@4.1.3 - Copyright (c) Isaac Z. Schlueter and Contributors

cacache@10.0.4 - Copyright (c) npm, Inc.

turf-concave@3.0.12

icss-replace-symbols@1.1.0

postcss-modules-values@1.3.0

once@1.4.0 - Copyright (c) Isaac Z. Schlueter and Contributors

yallist@2.1.2 - Copyright (c) Isaac Z. Schlueter and Contributors

copy-concurrently@1.0.5 - Copyright (c) 2017, Rebecca Turner <me@re-becca.org>

postcss-modules-scope@1.1.0

y18n@3.2.1 - Copyright (c) 2015, Contributors

move-concurrently@1.0.1 - Copyright (c) 2017, Rebecca Turner <me@re-becca.org>

geojson-normalize@0.0.0

which@1.3.0 - Copyright (c) Isaac Z. Schlueter and Contributors

figgy-pudding@3.5.1 - Copyright (c) npm, Inc.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

icss-utils@2.1.0

material-colors@1.2.5

quickselect@1.1.1

set-blocking@2.0.0 - Copyright (c) 2016, Contributors

ssri@6.0.1 - Copyright (c) npm, Inc.

promise-inflight@1.0.1 - Copyright (c) 2017, Rebecca Turner <me@re-becca.org>

yargs-parser@11.1.1 - Copyright (c) 2016, Contributors

isexe@2.0.0

validate-npm-package-name@2.2.2 - Copyright (c) 2015, npm, Inc

@mapbox/geojson-types@1.0.2

@mapbox/point-geometry@0.1.0

@mapbox/tiny-sdf@1.1.0

@mapbox/whoots-js@3.1.0

run-queue@1.0.3

geojson-random@0.2.2

json-stringify-safe@5.0.1 - Copyright (c) Isaac Z. Schlueter and Contributors

lru-cache@4.1.1 - Copyright (c) Isaac Z. Schlueter and Contributors

==========

BSD –like License

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

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

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

THIS 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,

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

entities@1.1.1 - Copyright (c) Felix Böhm. All rights reserved.

==========

CC-BY-4.0

Attribution 4.0 International

==========

Creative Commons Corporation ("Creative Commons") is not a law firm and
does not provide legal services or legal advice. Distribution of
Creative Commons public licenses does not create a lawyer-client or
other relationship. Creative Commons makes its licenses and related
information available on an "as-is" basis. Creative Commons gives no
warranties regarding its licenses, any material licensed under their
terms and conditions, or any related information. Creative Commons
disclaims all liability for damages resulting from their use to the
fullest extent possible.

Using Creative Commons Public Licenses

Creative Commons public licenses provide a standard set of terms and
conditions that creators and other rights holders may use to share
original works of authorship and other material subject to copyright
and certain other rights specified in the public license below. The
following considerations are for informational purposes only, are not
exhaustive, and do not form part of our licenses.

Considerations for licensors: Our public licenses are
intended for use by those authorized to give the public
permission to use material in ways otherwise restricted by
copyright and certain other rights. Our licenses are
irrevocable. Licensors should read and understand the terms
and conditions of the license they choose before applying it.
Licensors should also secure all rights necessary before

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

applying our licenses so that the public can reuse the material as expected. Licensors should clearly mark any material not subject to the license. This includes other CC-licensed material, or material used under an exception or limitation to copyright. More considerations for licensors: wiki.creativecommons.org/Considerations_for_licensors

Considerations for the public: By using one of our public licenses, a licensor grants the public permission to use the licensed material under specified terms and conditions. If the licensor's permission is not necessary for any reason--for example, because of any applicable exception or limitation to copyright--then that use is not regulated by the license. Our licenses grant only permissions under copyright and certain other rights that a licensor has authority to grant. Use of the licensed material may still be restricted for other reasons, including because others have copyright or other rights in the material. A licensor may make special requests, such as asking that all changes be marked or described. Although not required by our licenses, you are encouraged to respect those requests where reasonable. More_considerations for the public: wiki.creativecommons.org/Considerations_for_licensees

==========

Creative Commons Attribution 4.0 International Public License

By exercising the Licensed Rights (defined below), You accept and agree to be bound by the terms and conditions of this Creative Commons Attribution 4.0 International Public License ("Public License"). To the extent this Public License may be interpreted as a contract, You are granted the Licensed Rights in consideration of Your acceptance of

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

these terms and conditions, and the Licensor grants You such rights in consideration of benefits the Licensor receives from making the Licensed Material available under these terms and conditions.

Section 1 -- Definitions.

a. Adapted Material means material subject to Copyright and Similar Rights that is derived from or based upon the Licensed Material and in which the Licensed Material is translated, altered, arranged, transformed, or otherwise modified in a manner requiring permission under the Copyright and Similar Rights held by the Licensor. For purposes of this Public License, where the Licensed Material is a musical work, performance, or sound recording, Adapted Material is always produced where the Licensed Material is synched in timed relation with a moving image.

b. Adapter's License means the license You apply to Your Copyright and Similar Rights in Your contributions to Adapted Material in accordance with the terms and conditions of this Public License.

c. Copyright and Similar Rights means copyright and/or similar rights closely related to copyright including, without limitation, performance, broadcast, sound recording, and Sui Generis Database Rights, without regard to how the rights are labeled or categorized. For purposes of this Public License, the rights specified in Section 2(b)(1)-(2) are not Copyright and Similar Rights.

d. Effective Technological Measures means those measures that, in the absence of proper authority, may not be circumvented under laws fulfilling obligations under Article 11 of the WIPO Copyright Treaty adopted on December 20, 1996, and/or similar international agreements.

e. Exceptions and Limitations means fair use, fair dealing, and/or

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

any other exception or limitation to Copyright and Similar Rights that applies to Your use of the Licensed Material.

f. Licensed Material means the artistic or literary work, database, or other material to which the Licensor applied this Public License.

g. Licensed Rights means the rights granted to You subject to the terms and conditions of this Public License, which are limited to all Copyright and Similar Rights that apply to Your use of the Licensed Material and that the Licensor has authority to license.

h. Licensor means the individual(s) or entity(ies) granting rights under this Public License.

i. Share means to provide material to the public by any means or process that requires permission under the Licensed Rights, such as reproduction, public display, public performance, distribution, dissemination, communication, or importation, and to make material available to the public including in ways that members of the public may access the material from a place and at a time individually chosen by them.

j. Sui Generis Database Rights means rights other than copyright resulting from Directive 96/9/EC of the European Parliament and of the Council of 11 March 1996 on the legal protection of databases, as amended and/or succeeded, as well as other essentially equivalent rights anywhere in the world.

k. You means the individual or entity exercising the Licensed Rights under this Public License. Your has a corresponding meaning.

Section 2 -- Scope.

a. License grant.

1. Subject to the terms and conditions of this Public License, the Licensor hereby grants You a worldwide, royalty-free,

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

non-sublicensable, non-exclusive, irrevocable license to
exercise the Licensed Rights in the Licensed Material to:
a. reproduce and Share the Licensed Material, in whole or
in part; and
b. produce, reproduce, and Share Adapted Material.
2. Exceptions and Limitations. For the avoidance of doubt, where
Exceptions and Limitations apply to Your use, this Public
License does not apply, and You do not need to comply with
its terms and conditions.
3. Term. The term of this Public License is specified in Section
6(a).
4. Media and formats; technical modifications allowed. The
Licensor authorizes You to exercise the Licensed Rights in
all media and formats whether now known or hereafter created,
and to make technical modifications necessary to do so. The
Licensor waives and/or agrees not to assert any right or
authority to forbid You from making technical modifications
necessary to exercise the Licensed Rights, including
technical modifications necessary to circumvent Effective
Technological Measures. For purposes of this Public License,
simply making modifications authorized by this Section 2(a)
(4) never produces Adapted Material.
5. Downstream recipients.
a. Offer from the Licensor -- Licensed Material. Every
recipient of the Licensed Material automatically
receives an offer from the Licensor to exercise the
Licensed Rights under the terms and conditions of this
Public License.
b. No downstream restrictions. You may not offer or impose

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

any additional or different terms or conditions on, or
apply any Effective Technological Measures to, the
Licensed Material if doing so restricts exercise of the
Licensed Rights by any recipient of the Licensed
Material.

6. No endorsement. Nothing in this Public License constitutes or
may be construed as permission to assert or imply that You
are, or that Your use of the Licensed Material is, connected
with, or sponsored, endorsed, or granted official status by,
the Licensor or others designated to receive attribution as
provided in Section 3(a)(1)(A)(i).

b. Other rights.

1. Moral rights, such as the right of integrity, are not
licensed under this Public License, nor are publicity,
privacy, and/or other similar personality rights; however, to
the extent possible, the Licensor waives and/or agrees not to
assert any such rights held by the Licensor to the limited
extent necessary to allow You to exercise the Licensed
Rights, but not otherwise.

2. Patent and trademark rights are not licensed under this
Public License.

3. To the extent possible, the Licensor waives any right to
collect royalties from You for the exercise of the Licensed
Rights, whether directly or through a collecting society
under any voluntary or waivable statutory or compulsory
licensing scheme. In all other cases the Licensor expressly
reserves any right to collect such royalties.

Section 3 -- License Conditions.

Your exercise of the Licensed Rights is expressly made subject to the

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

following conditions.

a. Attribution.

1. If You Share the Licensed Material (including in modified form), You must:

a. retain the following if it is supplied by the Licensor with the Licensed Material:

i. identification of the creator(s) of the Licensed Material and any others designated to receive attribution, in any reasonable manner requested by the Licensor (including by pseudonym if designated);

ii. a copyright notice;

iii. a notice that refers to this Public License;

iv. a notice that refers to the disclaimer of warranties;

v. a URI or hyperlink to the Licensed Material to the extent reasonably practicable;

b. indicate if You modified the Licensed Material and retain an indication of any previous modifications; and

c. indicate the Licensed Material is licensed under this Public License, and include the text of, or the URI or hyperlink to, this Public License.

2. You may satisfy the conditions in Section 3(a)(1) in any reasonable manner based on the medium, means, and context in which You Share the Licensed Material. For example, it may be reasonable to satisfy the conditions by providing a URI or hyperlink to a resource that includes the required information.

3. If requested by the Licensor, You must remove any of the

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

information required by Section 3(a)(1)(A) to the extent
reasonably practicable.

4. If You Share Adapted Material You produce, the Adapter's
License You apply must not prevent recipients of the Adapted
Material from complying with this Public License.

Section 4 -- Sui Generis Database Rights.

Where the Licensed Rights include Sui Generis Database Rights that
apply to Your use of the Licensed Material:

a. for the avoidance of doubt, Section 2(a)(1) grants You the right
to extract, reuse, reproduce, and Share all or a substantial
portion of the contents of the database;

b. if You include all or a substantial portion of the database
contents in a database in which You have Sui Generis Database
Rights, then the database in which You have Sui Generis Database
Rights (but not its individual contents) is Adapted Material; and

c. You must comply with the conditions in Section 3(a) if You Share
all or a substantial portion of the contents of the database.

For the avoidance of doubt, this Section 4 supplements and does not
replace Your obligations under this Public License where the Licensed
Rights include other Copyright and Similar Rights.

Section 5 -- Disclaimer of Warranties and Limitation of Liability.

a. UNLESS OTHERWISE SEPARATELY UNDERTAKEN BY THE LICENSOR, TO THE
EXTENT POSSIBLE, THE LICENSOR OFFERS THE LICENSED MATERIAL AS-IS
AND AS-AVAILABLE, AND MAKES NO REPRESENTATIONS OR WARRANTIES OF
ANY KIND CONCERNING THE LICENSED MATERIAL, WHETHER EXPRESS,
IMPLIED, STATUTORY, OR OTHER. THIS INCLUDES, WITHOUT LIMITATION,
WARRANTIES OF TITLE, MERCHANTABILITY, FITNESS FOR A PARTICULAR
PURPOSE, NON-INFRINGEMENT, ABSENCE OF LATENT OR OTHER DEFECTS,
ACCURACY, OR THE PRESENCE OR ABSENCE OF ERRORS, WHETHER OR NOT

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

KNOWN OR DISCOVERABLE. WHERE DISCLAIMERS OF WARRANTIES ARE NOT ALLOWED IN FULL OR IN PART, THIS DISCLAIMER MAY NOT APPLY TO YOU.

b. TO THE EXTENT POSSIBLE, IN NO EVENT WILL THE LICENSOR BE LIABLE TO YOU ON ANY LEGAL THEORY (INCLUDING, WITHOUT LIMITATION, NEGLIGENCE) OR OTHERWISE FOR ANY DIRECT, SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL, PUNITIVE, EXEMPLARY, OR OTHER LOSSES, COSTS, EXPENSES, OR DAMAGES ARISING OUT OF THIS PUBLIC LICENSE OR USE OF THE LICENSED MATERIAL, EVEN IF THE LICENSOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH LOSSES, COSTS, EXPENSES, OR DAMAGES. WHERE A LIMITATION OF LIABILITY IS NOT ALLOWED IN FULL OR IN PART, THIS LIMITATION MAY NOT APPLY TO YOU.

c. The disclaimer of warranties and limitation of liability provided above shall be interpreted in a manner that, to the extent possible, most closely approximates an absolute disclaimer and waiver of all liability.

Section 6 -- Term and Termination.

a. This Public License applies for the term of the Copyright and Similar Rights licensed here. However, if You fail to comply with this Public License, then Your rights under this Public License terminate automatically.

b. Where Your right to use the Licensed Material has terminated under Section 6(a), it reinstates:

1. automatically as of the date the violation is cured, provided it is cured within 30 days of Your discovery of the violation; or

2. upon express reinstatement by the Licensor.

For the avoidance of doubt, this Section 6(b) does not affect any right the Licensor may have to seek remedies for Your violations of this Public License.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

c. For the avoidance of doubt, the Licensor may also offer the Licensed Material under separate terms or conditions or stop distributing the Licensed Material at any time; however, doing so will not terminate this Public License.

d. Sections 1, 5, 6, 7, and 8 survive termination of this Public License.

Section 7 -- Other Terms and Conditions.

a. The Licensor shall not be bound by any additional or different terms or conditions communicated by You unless expressly agreed.

b. Any arrangements, understandings, or agreements regarding the Licensed Material not stated herein are separate from and independent of the terms and conditions of this Public License.

Section 8 -- Interpretation.

a. For the avoidance of doubt, this Public License does not, and shall not be interpreted to, reduce, limit, restrict, or impose conditions on any use of the Licensed Material that could lawfully be made without permission under this Public License.

b. To the extent possible, if any provision of this Public License is deemed unenforceable, it shall be automatically reformed to the minimum extent necessary to make it enforceable. If the provision cannot be reformed, it shall be severed from this Public License without affecting the enforceability of the remaining terms and conditions.

c. No term or condition of this Public License will be waived and no failure to comply consented to unless expressly agreed to by the Licensor.

d. Nothing in this Public License constitutes or may be interpreted as a limitation upon, or waiver of, any privileges and immunities that apply to the Licensor or You, including from the legal

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

processes of any jurisdiction or authority.

==========

Creative Commons is not a party to its public
licenses. Notwithstanding, Creative Commons may elect to apply one of
its public licenses to material it publishes and in those instances
will be considered the â€œLicensor.â€# The text of the Creative Commons
public licenses is dedicated to the public domain under the CC0 Public
Domain Dedication. Except for the limited purpose of indicating that
material is shared under a Creative Commons public license or as
otherwise permitted by the Creative Commons policies published at
creativecommons.org/policies, Creative Commons does not authorize the
use of the trademark "Creative Commons" or any other trademark or logo
of Creative Commons without its prior written consent including,
without limitation, in connection with any unauthorized modifications
to any of its public licenses or any other arrangements,
understandings, or agreements concerning use of licensed material. For
the avoidance of doubt, this paragraph does not form part of the
public licenses.
Creative Commons may be contacted at creativecommons.org.

caniuse-lite@1.0.30000932

==========

Unlicense

Unlicense License

tweetnacl@0.14.5

==========

WTFPL License

DO WHAT THE FUCK YOU WANT TO PUBLIC LICENSE

Version 2, December 2004

Copyright (C) 2004 Sam Hocevar <sam@hocevar.net>

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Everyone is permitted to copy and distribute verbatim or modified

copies of this license document, and changing it is allowed as long

as the name is changed.

DO WHAT THE FUCK YOU WANT TO PUBLIC LICENSE

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. You just DO WHAT THE FUCK YOU WANT TO.

lz-string@1.4.4

==========

CC0 License

Creative Commons

CC0 1.0 Universal

Official translations of this legal tool are available in other languages.

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

Statement of Purpose

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

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

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

1. Copyright and Related Rights. A Work made available under CC0 may be protected by copyright and related or neighboring rights ("Copyright and Related Rights"). Copyright and Related Rights include, but are not limited to, the following:

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

the right to reproduce, adapt, distribute, perform, display, communicate, and translate a Work;

moral rights retained by the original author(s) and/or performer(s);

publicity and privacy rights pertaining to a person's image or likeness depicted in a Work;

rights protecting against unfair competition in regards to a Work, subject to the limitations in paragraph 4(a), below;

rights protecting the extraction, dissemination, use and reuse of data in a Work;

database rights (such as those arising under Directive 96/9/EC of the European Parliament and of the Council of 11 March 1996 on the legal protection of databases, and under any national implementation thereof, including any amended or successor version of such directive); and

other similar, equivalent or corresponding rights throughout the world based on applicable law or treaty, and any national implementations thereof.

2. Waiver. To the greatest extent permitted by, but not in contravention of, applicable law, Affirmer hereby overtly, fully, permanently, irrevocably and unconditionally waives, abandons, and surrenders all of Affirmer's Copyright and Related Rights and associated claims and causes of action, whether now known or unknown (including existing as well as future claims and causes of action), in the Work (i) in all territories worldwide, (ii) for the maximum duration provided by applicable law or treaty (including future time extensions), (iii) in any current or future medium and for any number of copies, and (iv) for any purpose whatsoever, including without limitation commercial, advertising or promotional purposes (the "Waiver"). Affirmer makes the Waiver for the benefit of each member of the public at large and to the detriment of Affirmer's heirs and successors, fully intending that such Waiver shall not be subject to revocation, rescission, cancellation, termination, or any other legal or equitable action to disrupt the quiet enjoyment of the Work by the public as contemplated by Affirmer's express Statement of Purpose.

3. Public License Fallback. Should any part of the Waiver for any reason be judged legally invalid or ineffective under applicable law, then the Waiver shall be preserved to the maximum extent permitted taking into account Affirmer's express Statement of Purpose. In addition, to the extent the Waiver is so judged Affirmer hereby grants to each affected person a royalty-free, non transferable, non sublicensable, non exclusive, irrevocable and unconditional license to exercise Affirmer's Copyright and Related Rights in the Work (i) in all territories worldwide, (ii) for the maximum duration provided by applicable law or treaty (including future time extensions), (iii) in any current or future medium and for any number of copies, and (iv) for any purpose whatsoever, including without limitation commercial, advertising or promotional purposes (the "License"). The License shall be deemed effective as of the date CC0 was applied by Affirmer to the Work. Should any part of the License for any reason be judged legally invalid or ineffective under applicable law, such partial invalidity or ineffectiveness shall not invalidate the remainder of the License, and in such case Affirmer hereby affirms that he or she will not (i) exercise any of his or her remaining Copyright and Related Rights in the Work or (ii) assert any associated claims and causes of action with respect to the Work, in either case contrary to Affirmer's express Statement of Purpose.

4. Limitations and Disclaimers.

No trademark or patent rights held by Affirmer are waived, abandoned, surrendered, licensed or otherwise affected by this document.

Affirmer offers the Work as-is and makes no representations or warranties of any kind concerning the Work, express, implied, statutory or otherwise, including without limitation warranties of title, merchantability, fitness for a particular purpose, non infringement, or the absence of latent or other

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

defects, accuracy, or the present or absence of errors, whether or not discoverable, all to the greatest extent permissible under applicable law.

Affirmer disclaims responsibility for clearing rights of other persons that may apply to the Work or any use thereof, including without limitation any person's Copyright and Related Rights in the Work. Further, Affirmer disclaims responsibility for obtaining any necessary consents, permissions or other rights required for any use of the Work.

Affirmer understands and acknowledges that Creative Commons is not a party to this document and has no duty or obligation with respect to this CC0 or use of the Work.

Additional languages available: euskara, français, italiano, latviski, Lietuvių, Nederlands, polski, suomeksi, svenska, 中文, 日本語, 華語. Please read the FAQ for more information about official translations.

react-clipboard.js@1.1.3

==========

language-detector Fourth-Party Licenses

4th party dependencies distributed by PeopleSoft for language-detector:

Apache Copyright License for Annotations 17.0.0

Copyright 2000-2016 JetBrains s.r.o.

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.

Apache Copyright License for Guava 18.0

Copyright (C) 2014 The Guava Authors

Licensed under the Apache License, Version 2.0 (the "License");

you may not use this file except in compliance with the License.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

Apache Copyright License for Jsonic 1.3.10

Copyright 2014 Hidekatsu Izuno

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.

MIT Copyright License for slf4j-api-1.7.26

Copyright (c) 2004-2011 QOS.ch

All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining

a copy of this software and associated documentation files (the

"Software"), to deal in the Software without restriction, including

without limitation the rights to use, copy, modify, merge, publish,

distribute, sublicense, and/or sell copies of the Software, and to

permit persons to whom the Software is furnished to do so, subject to

the following conditions:

The above copyright notice and this permission notice shall be

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

Libcurl License

COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1996 - 2018, Daniel Stenberg, <daniel@haxx.se>, and many contributors, see the THANKS file.

All rights reserved.

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

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 OF THIRD PARTY RIGHTS. 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.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Libssh2 License

The following attribution text was taken from Component libssh2 Version 1.7.0.

Copyright (c) 2004-2007 Sara Golemon <sarag@libssh2.org>

Copyright (c) 2005,2006 Mikhail Gusarov <dottedmag@dottedmag.net>

Copyright (c) 2006-2007 The Written Word, Inc.

Copyright (c) 2007 Eli Fant <elifantu@mail.ru>

Copyright (c) 2009-2014 Daniel Stenberg

Copyright (C) 2008, 2009 Simon Josefsson

All rights reserved.

Redistribution and use in source and binary forms,

with or without modification, are permitted provided

that the following conditions are met:

*Redistributions of source code must retain the above

copyright notice, this list of conditions and the

following disclaimer.

*Redistributions in binary form must reproduce the above

copyright notice, this list of conditions and the following

disclaimer in the documentation and/or other materials

provided with the distribution.

*Neither the name of the copyright holder nor the names

of any other contributors may be used to endorse or

promote products derived from this software without

specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND

CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES,

INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES

OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE

ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR

CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

Logstash Fourth-Party Licenses

4th party dependencies distributed by PeopleSoft for Logstash:

Janino - An embedded Java[TM] compiler

Copyright (c) 2001-2016, Arno Unkrig

Copyright (c) 2015-2016 TIBCO Software Inc.

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

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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 HOLDERS 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

For the JRuby related fourth party dependencies distributed under EPL, GPL, or LGPL. Oracle elects the EPL.

Eclipse Public License - v 1.0

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

1. DEFINITIONS

"Contribution" means:

a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and

b) in the case of each subsequent Contributor:

i) changes to the Program, and

ii) additions to the Program;

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

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

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

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

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

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

3. REQUIREMENTS

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

a) it complies with the terms and conditions of this Agreement; and

b) its license agreement:

i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and

iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

a) it must be made available under this Agreement; and

b) a copy of this Agreement must be included with each copy of the Program.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

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

4. COMMERCIAL DISTRIBUTION

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

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

5. NO WARRANTY

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

6. DISCLAIMER OF LIABILITY

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

7. GENERAL

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

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

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

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

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

bundler-1.17.3 - MIT License

Portions copyright (c) 2010 Andre Arko

Portions copyright (c) 2009 Engine Yard

MIT License

MIT License

chronic_duration-0.10.6 - MIT License

Copyright (c) Henry Poydar

MIT License

clamp-0.6.5 - MIT License

Copyright (c) 2010 Mike Williams <mdub@dogbiscuit.org>

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

MIT License

concurrent-ruby-1.1.4 - MIT License

Copyright (c) Jerry D'Antonio -- released under the MIT license.

http://www.opensource.org/licenses/mit-license.php

MIT License

faraday-0.9.2 - MIT License

Copyright (c) 2009-2015 Rick Olson, Zack Hobson

MIT License

filesize-0.2.0 - MIT License

Copyright (c) 2009 Dominik Honnef

MIT License

i18n-1.5.3 - MIT License

Copyright (c) 2008 The Ruby I18n team

MIT License

manticore-0.6.4-java- MIT License

Copyright (c) 2015 Chris Heald

MIT License

multi_json-1.13.1 - MIT License

Copyright (c) 2010-2013 Michael Bleigh, Josh Kalderimis, Erik Michaels-Ober, Pavel Pravosud

multipart-post-2.0.0 - MIT License

Copyright (c) 2007-2013 Nick Sieger nick@nicksieger.com

Copyright, 2017, by Samuel G. D. Williams.

MIT license.

MIT License

numerizer-0.1.1 - MIT License

Copyright (c) 2009 Tom Preston-Werner

MIT License

polyglot-0.3.5 - MIT License

Copyright (c) 2007 Clifford Heath

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

MIT License

rack-1.6.11 - MIT License

Copyright (C) 2007-2019 Leah Neukirchen <http://leahneukirchen.org/infopage.html>

MIT License

rack-protection-1.5.5- MIT License

Copyright (c) 2011 Konstantin Haase

MIT License

sinatra-1.4.8 - MIT License

Copyright (c) 2007, 2008, 2009 Blake Mizerany

Copyright (c) 2010, 2011, 2012, 2013, 2014, 2015, 2016 Konstantin Haase

MIT License

tilt-2.0.9- MIT License

Copyright (c) 2010-2016 Ryan Tomayko <http://tomayko.com/about>

MIT License

treetop-1.6.10 - MIT License

Copyright (c) 2007 Nathan Sobo.

MIT License

openssl_pkcs8_pure-0.0.0.2 - Ruby License (2-clause BSDL or Artistic)

- Copyright (c) 2017, T. Yamada

BSD 2-Clause License

MIT License

Copyright <YEAR> <COPYRIGHT HOLDER>

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:

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

The above copyright notice and this permission notice shall be included in all

copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR

IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,

FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE

AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER

LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,

OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE

SOFTWARE.

Mouse License

Development may use, modify and distribute with any Oracle product that is not licensed under the GPL. This code may not be shipped with any product Oracle licenses out under the GPL.

1. Modified files must carry prominent notices stating that Oracle changed the files.

2. If the distribution is in source code form, it must retain the all copyright, patent, trademark or attribution notices. Therefore, do not delete any notices that appear in the files, except for those that do not apply (i.e., if it is certain that the notice applies only to files or a module which is removed, the notice can be removed, too). When in doubt, retain the notice and/or contact Legal.

3. If there are any notices or licenses that appear in the license, notice, text or similar files in the code of the program (other than those set forth below), send a copy of the notice or license to Legal immediately. Do not rely solely on the license click through that may be shown on the project website.

List of Notices: Copyright (c) 2011, 2012 Novus Partners, Inc.

The text of the notice must be in one of the following places to be determined by the product manager and Legal.

within a NOTICE text file distributed as part of the product

within the source form or documentation

Generally, placement in the documentation is preferred to ensure that all information is in one location.

Mozilla Public License, Version 2.0

Mozilla Public License Version 2.0

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

==========

1. Definitions

1.1. "Contributor"

means each individual or legal entity that creates, contributes to

the creation of, or owns Covered Software.

1.2. "Contributor Version"

means the combination of the Contributions of others (if any) used

by a Contributor and that particular Contributor's Contribution.

1.3. "Contribution"

means Covered Software of a particular Contributor.

1.4. "Covered Software"

means Source Code Form to which the initial Contributor has attached

the notice in Exhibit A, the Executable Form of such Source Code

Form, and Modifications of such Source Code Form, in each case

including portions thereof.

1.5. "Incompatible With Secondary Licenses"

means

(a) that the initial Contributor has attached the notice described

in Exhibit B to the Covered Software; or

(b) that the Covered Software was made available under the terms of

version 1.1 or earlier of the License, but not also under the

terms of a Secondary License.

1.6. "Executable Form"

means any form of the work other than Source Code Form.

1.7. "Larger Work"

means a work that combines Covered Software with other material, in

a separate file or files, that is not Covered Software.

1.8. "License"

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

means this document.

1.9. "Licensable"

means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently, any and all of the rights conveyed by this License.

1.10. "Modifications"

means any of the following:

(a) any file in Source Code Form that results from an addition to, deletion from, or modification of the contents of Covered Software; or

(b) any new file in Source Code Form that contains any Covered Software.

1.11. "Patent Claims" of a Contributor

means any patent claim(s), including without limitation, method, process, and apparatus claims, in any patent Licensable by such Contributor that would be infringed, but for the grant of the License, by the making, using, selling, offering for sale, having made, import, or transfer of either its Contributions or its Contributor Version.

1.12. "Secondary License"

means either the GNU General Public License, Version 2.0, the GNU Lesser General Public License, Version 2.1, the GNU Affero General Public License, Version 3.0, or any later versions of those licenses.

1.13. "Source Code Form"

means the form of the work preferred for making modifications.

1.14. "You" (or "Your")

means an individual or a legal entity exercising rights under this License. For legal entities, "You" includes any entity that

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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:

(a) under intellectual property rights (other than patent or trademark) Licensable by such Contributor to use, reproduce, make available, modify, display, perform, distribute, and otherwise exploit its Contributions, either on an unmodified basis, with Modifications, or as part of a Larger Work; and

(b) under Patent Claims of such Contributor to make, use, sell, offer for sale, have made, import, and otherwise transfer either its Contributions or its Contributor Version.

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:

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

(a) for any code that a Contributor has removed from Covered Software; or

(b) for infringements caused by: (i) Your and any other third party's modifications of Covered Software, or (ii) the combination of its Contributions with other software (except as part of its Contributor Version); or

(c) under Patent Claims infringed by Covered Software in the absence of its Contributions.

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

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

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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:

(a) such Covered Software must also be made available in Source Code Form, as described in Section 3.1, and You must inform recipients of the Executable Form how they can obtain a copy of such Source Code Form by reasonable means in a timely manner, at a charge no more than the cost of distribution to the recipient; and

(b) You may distribute such Executable Form under the terms of this License, or sublicense it under different terms, provided that the license for the Executable Form does not attempt to limit or alter the recipients' rights in the Source Code Form under this License.

3.3. 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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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 *

* ---------- *

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

```
* *
* 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 *
```


Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

* 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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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 http://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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

This Source Code Form is "Incompatible With Secondary Licenses", as

defined by the Mozilla Public License, v. 2.0.

OpenSSL License

From the LICENSE file in https://www.openssl.org/source/license.html

LICENSE ISSUES

==========

The OpenSSL toolkit stays under a double license, i.e. both the conditions of

the OpenSSL License and the original SSLeay license apply to the toolkit.

See below for the actual license texts.

OpenSSL License

==========

Copyright (c) 1998-2018 The OpenSSL Project. All rights reserved.

Redistribution and use in source and binary forms, with or without

modification, are permitted provided that the following conditions

are met:

1. Redistributions of source code must retain the above copyright

notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright

notice, this list of conditions and the following disclaimer in

the documentation and/or other materials provided with the

distribution.

3. All advertising materials mentioning features or use of this

software must display the following acknowledgment:

"This product includes software developed by the OpenSSL Project

for use in the OpenSSL Toolkit. (http://www.openssl.org/)"

4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to

endorse or promote products derived from this software without

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

prior written permission. For written permission, please contact
openssl-core@openssl.org.
5. Products derived from this software may not be called "OpenSSL"
nor may "OpenSSL" appear in their names without prior written
permission of the OpenSSL Project.
6. Redistributions of any form whatsoever must retain the following
acknowledgment:
"This product includes software developed by the OpenSSL Project
for use in the OpenSSL Toolkit (http://www.openssl.org/)"
THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT ``AS IS'' AND ANY
EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR
ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
OF THE POSSIBILITY OF SUCH DAMAGE.

==========

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

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

This package is an SSL implementation written
by Eric Young (eay@cryptsoft.com).
The implementation was written so as to conform with Netscapes SSL.
This library is free for commercial and non-commercial use as long as
the following conditions are aheared to. The following conditions
apply to all code found in this distribution, be it the RC4, RSA,
lhash, DES, etc., code; not just the SSL code. The SSL documentation
included with this distribution is covered by the same copyright terms
except that the holder is Tim Hudson (tjh@cryptsoft.com).
Copyright remains Eric Young's, and as such any Copyright notices in
the code are not to be removed.
If this package is used in a product, Eric Young should be given attribution
as the author of the parts of the library used.
This can be in the form of a textual message at program startup or
in documentation (online or textual) provided with the package.
Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the copyright
notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software
must display the following acknowledgement:
"This product includes cryptographic software written by
Eric Young (eay@cryptsoft.com)"
The word 'cryptographic' can be left out if the rouines from the library
being used are not cryptographic related :-).

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

4. If you include any Windows specific code (or a derivative thereof) from

the apps directory (application code) you must include an acknowledgement:

"This product includes software written by Tim Hudson (tjh@cryptsoft.com)"

THIS SOFTWARE IS PROVIDED BY ERIC YOUNG ``AS IS'' AND

ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE

IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE

ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE

FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL

DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS

OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)

HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT

LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY

OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF

SUCH DAMAGE.

The licence and distribution terms for any publically available version or

derivative of this code cannot be changed. i.e. this code cannot simply be

copied and put under another distribution licence

[including the GNU Public Licence.]

Oracle oci-cli License

Copyright (c) 2016, 2018, Oracle and/or its affiliates. All rights reserved.

This software is dual-licensed to you under the Universal Permissive License (UPL) and Apache License 2.0. See below for license terms. You may choose either license, or both.

The Universal Permissive License (UPL), Version 1.0

Copyright (c) 2016, 2018, Oracle and/or its affiliates. All rights reserved.

Subject to the condition set forth below, permission is hereby granted to any person obtaining a copy of this software, associated documentation and/or data (collectively the "Software"), free of charge and under any and all copyright rights in the Software, and any and all patent rights owned or freely licensable

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

by each licensor hereunder covering either (i) the unmodified Software as contributed to or provided by such licensor, or (ii) the Larger Works (as defined below), to deal in both

(a) the Software, and

(b) any piece of software and/or hardware listed in the lrgrwrks.txt file if one is included with the Software (each a "Larger Work" to which the Software is contributed by such licensors),

without restriction, including without limitation the rights to copy, create derivative works of, display, perform, and distribute the Software and make, use, sell, offer for sale, import, export, have made, and have sold the Software and the Larger Work(s), and to sublicense the foregoing rights on either these or other terms.

This license is subject to the following condition:

The above copyright notice and either this complete permission notice or at a minimum a reference to the UPL must 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.

The Apache Software License, Version 2.0

Copyright (c) 2016, 2018, Oracle and/or its affiliates. All rights reserved.

Licensed under the Apache License, Version 2.0 (the "License"); You may not use this product except in compliance with the License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0. A copy of the license is also reproduced below. 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.

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)

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

You must give any other recipients of the Work or Derivative Works a copy of this License; and

You must cause any modified files to carry prominent notices stating that You changed the files; and

You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

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

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

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

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

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

Azure CLI Curl Install Script, Version: 2.0.9

Copyright (c) Microsoft Corporation. All rights reserved.

The MIT License (MIT)

Copyright (c) Microsoft Corporation. All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

of this software and associated documentation files (the "Software"), to deal

in the Software without restriction, including without limitation the rights

to use, copy, modify, merge, publish, distribute, sublicense, and/or sell

copies of the Software, and to permit persons to whom the Software is

furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all

copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR

IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,

FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE

AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER

LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,

OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE

SOFTWARE.

4th Party Dependencies, Version, License Text:

python, version 2

A. HISTORY OF THE SOFTWARE

==========

Python was created in the early 1990s by Guido van Rossum at Stichting

Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands

as a successor of a language called ABC. Guido remains Python's

principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for

National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)

in Reston, Virginia where he released several versions of the

software.

In May 2000, Guido and the Python core development team moved to

BeOpen.com to form the BeOpen PythonLabs team. In October of the same

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release Derived Year Owner GPL-
from compatible? (1)

0.9.0 thru 1.2 1991-1995 CWI yes

1.3 thru 1.5.2 1.2 1995-1999 CNRI yes

1.6 1.5.2 2000 CNRI no

2.0 1.6 2000 BeOpen.com no

1.6.1 1.6 2001 CNRI yes (2)

2.1 2.0+1.6.1 2001 PSF no

2.0.1 2.0+1.6.1 2001 PSF yes

2.1.1 2.1+2.0.1 2001 PSF yes

2.1.2 2.1.1 2002 PSF yes

2.1.3 2.1.2 2002 PSF yes

2.2 and above 2.1.1 2001-now PSF yes

Footnotes:

(1) GPL-compatible doesn't mean that we're distributing Python under the GPL. All Python licenses, unlike the GPL, let you distribute a modified version without making your changes open source. The GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

(2) According to Richard Stallman, 1.6.1 is not GPL-compatible,
because its license has a choice of law clause. According to
CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1
is "not incompatible" with the GPL.
Thanks to the many outside volunteers who have worked under Guido's
direction to make these releases possible.

B. TERMS AND CONDITIONS FOR ACCESSING OR OTHERWISE USING PYTHON

==========

PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2

---

1. This LICENSE AGREEMENT is between the Python Software Foundation
("PSF"), and the Individual or Organization ("Licensee") accessing and
otherwise using this software ("Python") in source or binary form and
its associated documentation.

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

3. In the event Licensee prepares a derivative work that is based on
or incorporates Python or any part thereof, and wants to make
the derivative work available to others as provided herein, then
Licensee hereby agrees to include in any such work a brief summary of
the changes made to Python.

4. PSF is making Python available to Licensee on an "AS IS"

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR
IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND
DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS
FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON WILL NOT
INFRINGE ANY THIRD PARTY RIGHTS.

5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON
FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS
A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON,
OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material
breach of its terms and conditions.

7. Nothing in this License Agreement shall be deemed to create any
relationship of agency, partnership, or joint venture between PSF and
Licensee. This License Agreement does not grant permission to use PSF
trademarks or trade name in a trademark sense to endorse or promote
products or services of Licensee, or any third party.

8. By copying, installing or otherwise using Python, Licensee
agrees to be bound by the terms and conditions of this License
Agreement.

BEOPEN.COM LICENSE AGREEMENT FOR PYTHON 2.0

BEOPEN PYTHON OPEN SOURCE LICENSE AGREEMENT VERSION 1

1. This LICENSE AGREEMENT is between BeOpen.com ("BeOpen"), having an
office at 160 Saratoga Avenue, Santa Clara, CA 95051, and the
Individual or Organization ("Licensee") accessing and otherwise using
this software in source or binary form and its associated
documentation ("the Software").

2. Subject to the terms and conditions of this BeOpen Python License
Agreement, BeOpen hereby grants Licensee a non-exclusive,

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use the Software alone or in any derivative version, provided, however, that the BeOpen Python License is retained in the Software, alone or in any derivative version prepared by Licensee.

3. BeOpen is making the Software available to Licensee on an "AS IS" basis. BEOPEN MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, BEOPEN MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

4. BEOPEN SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF THE SOFTWARE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF USING, MODIFYING OR DISTRIBUTING THE SOFTWARE, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

5. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

6. This License Agreement shall be governed by and interpreted in all respects by the law of the State of California, excluding conflict of law provisions. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between BeOpen and Licensee. This License Agreement does not grant permission to use BeOpen trademarks or trade names in a trademark sense to endorse or promote products or services of Licensee, or any third party. As an exception, the "BeOpen Python" logos available at http://www.pythonlabs.com/logos.html may be used according to the permissions granted on that web page.

7. By copying, installing or otherwise using the software, Licensee agrees to be bound by the terms and conditions of this License

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Agreement.

CNRI LICENSE AGREEMENT FOR PYTHON 1.6.1

---

1. This LICENSE AGREEMENT is between the Corporation for National Research Initiatives, having an office at 1895 Preston White Drive, Reston, VA 20191 ("CNRI"), and the Individual or Organization ("Licensee") accessing and otherwise using Python 1.6.1 software in source or binary form and its associated documentation.

2. Subject to the terms and conditions of this License Agreement, CNRI hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python 1.6.1 alone or in any derivative version, provided, however, that CNRI's License Agreement and CNRI's notice of copyright, i.e., "Copyright (c) 1995-2001 Corporation for National Research Initiatives; All Rights Reserved" are retained in Python 1.6.1 alone or in any derivative version prepared by Licensee. Alternately, in lieu of CNRI's License Agreement, Licensee may substitute the following text (omitting the quotes): "Python 1.6.1 is made available subject to the terms and conditions in CNRI's License Agreement. This Agreement together with Python 1.6.1 may be located on the Internet using the following unique, persistent identifier (known as a handle): 1895.22/1013. This Agreement may also be obtained from a proxy server on the Internet using the following URL: http://hdl.handle.net/1895.22/1013".

3. In the event Licensee prepares a derivative work that is based on or incorporates Python 1.6.1 or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python 1.6.1.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

4. CNRI is making Python 1.6.1 available to Licensee on an "AS IS"
basis. CNRI MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR
IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, CNRI MAKES NO AND
DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS
FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON 1.6.1 WILL NOT
INFRINGE ANY THIRD PARTY RIGHTS.
5. CNRI SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON
1.6.1 FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS
A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 1.6.1,
OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.
6. This License Agreement will automatically terminate upon a material
breach of its terms and conditions.
7. This License Agreement shall be governed by the federal
intellectual property law of the United States, including without
limitation the federal copyright law, and, to the extent such
U.S. federal law does not apply, by the law of the Commonwealth of
Virginia, excluding Virginia's conflict of law provisions.
Notwithstanding the foregoing, with regard to derivative works based
on Python 1.6.1 that incorporate non-separable material that was
previously distributed under the GNU General Public License (GPL), the
law of the Commonwealth of Virginia shall govern this License
Agreement only as to issues arising under or with respect to
Paragraphs 4, 5, and 7 of this License Agreement. Nothing in this
License Agreement shall be deemed to create any relationship of
agency, partnership, or joint venture between CNRI and Licensee. This
License Agreement does not grant permission to use CNRI trademarks or
trade name in a trademark sense to endorse or promote products or
services of Licensee, or any third party.
8. By clicking on the "ACCEPT" button where indicated, or by copying,

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

installing or otherwise using Python 1.6.1, Licensee agrees to be
bound by the terms and conditions of this License Agreement.

ACCEPT

CWI LICENSE AGREEMENT FOR PYTHON 0.9.0 THROUGH 1.2

Copyright (c) 1991 - 1995, Stichting Mathematisch Centrum Amsterdam,
The Netherlands. All rights reserved.

Permission to use, copy, modify, and distribute this software and its
documentation for any purpose and without fee is hereby granted,
provided that the above copyright notice appear in all copies and that
both that copyright notice and this permission notice appear in
supporting documentation, and that the name of Stichting Mathematisch
Centrum or CWI not be used in advertising or publicity pertaining to
distribution of the software without specific, written prior
permission.

STICHTING MATHEMATISCH CENTRUM DISCLAIMS ALL WARRANTIES WITH REGARD TO
THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND
FITNESS, IN NO EVENT SHALL STICHTING MATHEMATISCH CENTRUM BE LIABLE
FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES
WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN
ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT
OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

python, version 3

A. HISTORY OF THE SOFTWARE

==========

Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release Derived Year Owner GPL-
from compatible? (1)

0.9.0 thru 1.2 1991-1995 CWI yes

1.3 thru 1.5.2 1.2 1995-1999 CNRI yes

1.6 1.5.2 2000 CNRI no

2.0 1.6 2000 BeOpen.com no

1.6.1 1.6 2001 CNRI yes (2)

2.1 2.0+1.6.1 2001 PSF no

2.0.1 2.0+1.6.1 2001 PSF yes

2.1.1 2.1+2.0.1 2001 PSF yes

2.1.2 2.1.1 2002 PSF yes

2.1.3 2.1.2 2002 PSF yes

2.2 and above 2.1.1 2001-now PSF yes

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Footnotes:

(1) GPL-compatible doesn't mean that we're distributing Python under
the GPL. All Python licenses, unlike the GPL, let you distribute
a modified version without making your changes open source. The
GPL-compatible licenses make it possible to combine Python with
other software that is released under the GPL; the others don't.

(2) According to Richard Stallman, 1.6.1 is not GPL-compatible,
because its license has a choice of law clause. According to
CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1
is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's
direction to make these releases possible.

B. TERMS AND CONDITIONS FOR ACCESSING OR OTHERWISE USING PYTHON

==========

PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2

---

1. This LICENSE AGREEMENT is between the Python Software Foundation
("PSF"), and the Individual or Organization ("Licensee") accessing and
otherwise using this software ("Python") in source or binary form and
its associated documentation.

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

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

3. In the event Licensee prepares a derivative work that is based on
or incorporates Python or any part thereof, and wants to make
the derivative work available to others as provided herein, then
Licensee hereby agrees to include in any such work a brief summary of
the changes made to Python.
4. PSF is making Python available to Licensee on an "AS IS"
basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR
IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND
DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS
FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON WILL NOT
INFRINGE ANY THIRD PARTY RIGHTS.
5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON
FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS
A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON,
OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.
6. This License Agreement will automatically terminate upon a material
breach of its terms and conditions.
7. Nothing in this License Agreement shall be deemed to create any
relationship of agency, partnership, or joint venture between PSF and
Licensee. This License Agreement does not grant permission to use PSF
trademarks or trade name in a trademark sense to endorse or promote
products or services of Licensee, or any third party.
8. By copying, installing or otherwise using Python, Licensee
agrees to be bound by the terms and conditions of this License
Agreement.
BEOPEN.COM LICENSE AGREEMENT FOR PYTHON 2.0

BEOPEN PYTHON OPEN SOURCE LICENSE AGREEMENT VERSION 1
1. This LICENSE AGREEMENT is between BeOpen.com ("BeOpen"), having an

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

office at 160 Saratoga Avenue, Santa Clara, CA 95051, and the
Individual or Organization ("Licensee") accessing and otherwise using
this software in source or binary form and its associated
documentation ("the Software").
2. Subject to the terms and conditions of this BeOpen Python License
Agreement, BeOpen hereby grants Licensee a non-exclusive,
royalty-free, world-wide license to reproduce, analyze, test, perform
and/or display publicly, prepare derivative works, distribute, and
otherwise use the Software alone or in any derivative version,
provided, however, that the BeOpen Python License is retained in the
Software, alone or in any derivative version prepared by Licensee.
3. BeOpen is making the Software available to Licensee on an "AS IS"
basis. BEOPEN MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR
IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, BEOPEN MAKES NO AND
DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS
FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE WILL NOT
INFRINGE ANY THIRD PARTY RIGHTS.
4. BEOPEN SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF THE
SOFTWARE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS
AS A RESULT OF USING, MODIFYING OR DISTRIBUTING THE SOFTWARE, OR ANY
DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.
5. This License Agreement will automatically terminate upon a material
breach of its terms and conditions.
6. This License Agreement shall be governed by and interpreted in all
respects by the law of the State of California, excluding conflict of
law provisions. Nothing in this License Agreement shall be deemed to
create any relationship of agency, partnership, or joint venture
between BeOpen and Licensee. This License Agreement does not grant
permission to use BeOpen trademarks or trade names in a trademark

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

sense to endorse or promote products or services of Licensee, or any third party. As an exception, the "BeOpen Python" logos available at http://www.pythonlabs.com/logos.html may be used according to the permissions granted on that web page.

7. By copying, installing or otherwise using the software, Licensee agrees to be bound by the terms and conditions of this License Agreement.

CNRI LICENSE AGREEMENT FOR PYTHON 1.6.1

---

1. This LICENSE AGREEMENT is between the Corporation for National Research Initiatives, having an office at 1895 Preston White Drive, Reston, VA 20191 ("CNRI"), and the Individual or Organization ("Licensee") accessing and otherwise using Python 1.6.1 software in source or binary form and its associated documentation.

2. Subject to the terms and conditions of this License Agreement, CNRI hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python 1.6.1 alone or in any derivative version, provided, however, that CNRI's License Agreement and CNRI's notice of copyright, i.e., "Copyright (c) 1995-2001 Corporation for National Research Initiatives; All Rights Reserved" are retained in Python 1.6.1 alone or in any derivative version prepared by Licensee. Alternately, in lieu of CNRI's License Agreement, Licensee may substitute the following text (omitting the quotes): "Python 1.6.1 is made available subject to the terms and conditions in CNRI's License Agreement. This Agreement together with Python 1.6.1 may be located on the Internet using the following unique, persistent identifier (known as a handle): 1895.22/1013. This Agreement may also be obtained from a proxy server on the Internet

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

using the following URL: http://hdl.handle.net/1895.22/1013".

3. In the event Licensee prepares a derivative work that is based on
or incorporates Python 1.6.1 or any part thereof, and wants to make
the derivative work available to others as provided herein, then
Licensee hereby agrees to include in any such work a brief summary of
the changes made to Python 1.6.1.

4. CNRI is making Python 1.6.1 available to Licensee on an "AS IS"
basis. CNRI MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR
IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, CNRI MAKES NO AND
DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS
FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON 1.6.1 WILL NOT
INFRINGE ANY THIRD PARTY RIGHTS.

5. CNRI SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON
1.6.1 FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS
A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 1.6.1,
OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material
breach of its terms and conditions.

7. This License Agreement shall be governed by the federal
intellectual property law of the United States, including without
limitation the federal copyright law, and, to the extent such
U.S. federal law does not apply, by the law of the Commonwealth of
Virginia, excluding Virginia's conflict of law provisions.
Notwithstanding the foregoing, with regard to derivative works based
on Python 1.6.1 that incorporate non-separable material that was
previously distributed under the GNU General Public License (GPL), the
law of the Commonwealth of Virginia shall govern this License
Agreement only as to issues arising under or with respect to
Paragraphs 4, 5, and 7 of this License Agreement. Nothing in this

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between CNRI and Licensee. This License Agreement does not grant permission to use CNRI trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By clicking on the "ACCEPT" button where indicated, or by copying, installing or otherwise using Python 1.6.1, Licensee agrees to be bound by the terms and conditions of this License Agreement.

ACCEPT

CWI LICENSE AGREEMENT FOR PYTHON 0.9.0 THROUGH 1.2

Copyright (c) 1991 - 1995, Stichting Mathematisch Centrum Amsterdam, The Netherlands. All rights reserved.

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Stichting Mathematisch Centrum or CWI not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

STICHTING MATHEMATISCH CENTRUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL STICHTING MATHEMATISCH CENTRUM BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

virtualenv, version 15.0.0

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Copyright (c) 2007 Ian Bicking and Contributors

Copyright (c) 2009 Ian Bicking, The Open Planning Project

Copyright (c) 2011-2016 The virtualenv developers

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

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

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

Oracle oci-java-sdk License

Copyright (c) 2016, 2017, Oracle and/or its affiliates. All rights reserved.

This software is dual-licensed to you under the Universal Permissive License (UPL) and Apache License 2.0. See below for license terms. You may choose either license, or both.

The Universal Permissive License (UPL), Version 1.0

Copyright (c) 2016, 2017, Oracle and/or its affiliates. All rights reserved.

Subject to the condition set forth below, permission is hereby granted to any person obtaining a copy of this software, associated documentation and/or data (collectively the "Software"), free of charge and under any and all copyright rights in the Software, and any and all patent rights owned or freely licensable

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

by each licensor hereunder covering either (i) the unmodified Software as contributed to or provided by such licensor, or (ii) the Larger Works (as defined below), to deal in both

(a) the Software, and

(b) any piece of software and/or hardware listed in the lrgrwrks.txt file if one is included with the Software (each a "Larger Work" to which the Software is contributed by such licensors),

without restriction, including without limitation the rights to copy, create derivative works of, display, perform, and distribute the Software and make, use, sell, offer for sale, import, export, have made, and have sold the Software and the Larger Work(s), and to sublicense the foregoing rights on either these or other terms.

This license is subject to the following condition:

The above copyright notice and either this complete permission notice or at a minimum a reference to the UPL must 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.

The Apache Software License, Version 2.0

Copyright (c) 2016, 2017, Oracle and/or its affiliates. All rights reserved.

Licensed under the Apache License, Version 2.0 (the "License"); You may not use this product except in compliance with the License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0. A copy of the license is also reproduced below. 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.

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)

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

You must give any other recipients of the Work or Derivative Works a copy of this License; and

You must cause any modified files to carry prominent notices stating that You changed the files; and

You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

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

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

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

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

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

Third Party

The Apache HTTP Client component is subject to the following license:

Apache License

Version 2.0, January 2004

http://www.apache.org/licenses/

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

(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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

==========

This project includes Public Suffix List copied from

<https://publicsuffix.org/list/effective_tld_names.dat>

licensed under the terms of the Mozilla Public License, v. 2.0

Full license text: <http://mozilla.org/MPL/2.0/>

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

(a) that the initial Contributor has attached the notice described

in Exhibit B to the Covered Software; or

(b) that the Covered Software was made available under the terms of

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

version 1.1 or earlier of the License, but not also under the
terms of a Secondary License.

1.6. "Executable Form"

means any form of the work other than Source Code Form.

1.7. "Larger Work"

means a work that combines Covered Software with other material, in
a separate file or files, that is not Covered Software.

1.8. "License"

means this document.

1.9. "Licensable"

means having the right to grant, to the maximum extent possible,
whether at the time of the initial grant or subsequently, any and
all of the rights conveyed by this License.

1.10. "Modifications"

means any of the following:

(a) any file in Source Code Form that results from an addition to,
deletion from, or modification of the contents of Covered
Software; or

(b) any new file in Source Code Form that contains any Covered
Software.

1.11. "Patent Claims" of a Contributor

means any patent claim(s), including without limitation, method,
process, and apparatus claims, in any patent Licensable by such
Contributor that would be infringed, but for the grant of the
License, by the making, using, selling, offering for sale, having
made, import, or transfer of either its Contributions or its
Contributor Version.

1.12. "Secondary License"

means either the GNU General Public License, Version 2.0, the GNU

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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:

(a) under intellectual property rights (other than patent or trademark) Licensable by such Contributor to use, reproduce, make available, modify, display, perform, distribute, and otherwise exploit its Contributions, either on an unmodified basis, with Modifications, or as part of a Larger Work; and

(b) under Patent Claims of such Contributor to make, use, sell, offer for sale, have made, import, and otherwise transfer either its Contributions or its Contributor Version.

2.2. Effective Date

The licenses granted in Section 2.1 with respect to any Contribution

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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:

(a) for any code that a Contributor has removed from Covered Software; or

(b) for infringements caused by: (i) Your and any other third party's modifications of Covered Software, or (ii) the combination of its Contributions with other software (except as part of its Contributor Version); or

(c) under Patent Claims infringed by Covered Software in the absence of its Contributions.

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

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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:

(a) such Covered Software must also be made available in Source Code Form, as described in Section 3.1, and You must inform recipients of the Executable Form how they can obtain a copy of such Source Code Form by reasonable means in a timely manner, at a charge no more than the cost of distribution to the recipient; and

(b) You may distribute such Executable Form under the terms of this License, or sublicense it under different terms, provided that the license for the Executable Form does not attempt to limit or alter the recipients' rights in the Source Code Form under this License.

3.3. Distribution of a Larger Work

You may create and distribute a Larger Work under terms of Your choice,

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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 *

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

* 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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

file, You can obtain one at http://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.

The Apache HTTP Core component is subject to the following license:

Apache License

Version 2.0, January 2004

http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,

and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by

the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all

other entities that control, are controlled by, or are under common

control with that entity. For the purposes of this definition,

"control" means (i) the power, direct or indirect, to cause the

direction or management of such entity, whether by contract or

otherwise, or (ii) ownership of fifty percent (50%) or more of the

outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity

exercising permissions granted by this License.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

"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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

The BouncyCastle component is subject to the following license:

Copyright (c) 2000 - 2016 The Legion of the Bouncy Castle Inc. (https://www.bouncycastle.org)

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

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

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

The Commons IO component is subject to the following license:

Apache License

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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,

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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,

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

The Apache Commons Lang component is subject to the following license:

Apache License

Version 2.0, January 2004

http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

"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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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,

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

The Guava component is subject to the following license:

Apache License

Version 2.0, January 2004

http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

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

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

"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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.
The Jackson - Core component is subject to the following license:
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION
1. Definitions.
"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.
"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.
"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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"

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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,

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

The Jackson - Databind component is subject to the following license:

Apache License

Version 2.0, January 2004

http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,

and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by

the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all

other entities that control, are controlled by, or are under common

control with that entity. For the purposes of this definition,

"control" means (i) the power, direct or indirect, to cause the

direction or management of such entity, whether by contract or

otherwise, or (ii) ownership of fifty percent (50%) or more of the

outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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,

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

The Jackson - Datatype component is subject to the following license:

Apache License

Version 2.0, January 2004

http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,

and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by

the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all

other entities that control, are controlled by, or are under common

control with that entity. For the purposes of this definition,

"control" means (i) the power, direct or indirect, to cause the

direction or management of such entity, whether by contract or

otherwise, or (ii) ownership of fifty percent (50%) or more of the

outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity

exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,

including but not limited to software source code, documentation

source, and configuration files.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

"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

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

(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.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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,

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

The Jersey - Core component is subject to the following license:

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL - Version 1.1)

1. Definitions.

1.1. “Contributor” means each individual or entity that creates or contributes to the creation of Modifications.

1.2. “Contributor Version” means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. “Covered Software” means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. “Executable” means the Covered Software in any form other than Source Code.

1.5. “Initial Developer” means the individual or entity that first makes Original Software available under this License.

1.6. “Larger Work” means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. “License” means this document.

1.8. “Licensable” means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. “Modifications” means the Source Code and Executable form of any of the following:

A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;

B. Any new file that contains any part of the Original Software or previous Modification; or

C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. “Original Software” means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. “Patent Claims” means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. “Source Code” means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. “You” (or “Your”) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, “You” includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, “control” means (a) the power,

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.

The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.

You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.

You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients' rights hereunder. 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 the Initial Developer or 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 the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.

You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipient's rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

3.6. Larger Works.

You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Oracle is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.

You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.

When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN “AS IS” BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, 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 THE INITIAL DEVELOPER OR ANY OTHER 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 HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as “Participant”) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. If You assert a patent infringement claim against Participant alleging that the Participant Software directly or indirectly infringes any patent where such claim is resolved (such as by license or settlement)

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

prior to the initiation of patent infringement litigation, then the reasonable value of the licenses granted by such Participant under Sections 2.1 or 2.2 shall be taken into account in determining the amount or value of any payment or license.

6.4. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR 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. U.S. GOVERNMENT END USERS.

The Covered Software is a "commercial item," as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software" (as that term is defined at 48 C.F.R. § 252.227-7014(a)(1)) and "commercial computer software documentation" as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning 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. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction's conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)

The code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California and the state courts of the State of California, with venue lying in Santa Clara County, California.

~

GNU GENERAL PUBLIC LICENSE (GPL 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.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

~

Classpath Exception to the GPL

Certain source files distributed by Oracle America and/or its affiliates are subject to the following clarification and special exception to the GPL, but only where Oracle has expressly included in the particular source file’s header the words “Oracle designates this particular file as subject to the ”Classpath“ exception as provided by Oracle in the LICENSE file that accompanied this code.”

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

library, but you are not obligated to do so. If you do not wish to
do so, delete this exception statement from your version.

Terms of Use; Privacy Policy; Copyright ©2013 (revision 20130405.1fbc610)

The JodaTime component is subject to the following license:

Apache License

Version 2.0, January 2004

http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

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

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

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

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

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

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

"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,

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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,

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

The Slf4j - API component is subject to the following license:

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Copyright (c) 2004-2014 QOS.ch

All rights reserved.

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

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

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

The Swagger Models component is subject to the following license:

Copyright 2016 SmartBear Software

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 [apache.org/licenses/LICENSE-2.0](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.

The Swagger Parser component is subject to the following license:

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Copyright 2016 SmartBear Software

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 [apache.org/licenses/LICENSE-2.0](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.

The Commons Codec component is subject to the following license:

Apache License

Version 2.0, January 2004

http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,

and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by

the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all

other entities that control, are controlled by, or are under common

control with that entity. For the purposes of this definition,

"control" means (i) the power, direct or indirect, to cause the

direction or management of such entity, whether by contract or

otherwise, or (ii) ownership of fifty percent (50%) or more of the

outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity

exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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:

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

(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,

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)Version 1.1

1. Definitions.

1.1. “Contributor” means each individual or entity that creates or contributes to the creation of Modifications.

1.2. “Contributor Version” means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. “Covered Software” means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. “Executable” means the Covered Software in any form other than Source Code.

1.5. “Initial Developer” means the individual or entity that first makes Original Software available under this License.

1.6. “Larger Work” means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. “License” means this document.

1.8. “Licensable” means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. “Modifications” means the Source Code and Executable form of any of the following:

A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;

B. Any new file that contains any part of the Original Software or previous Modification; or

C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. “Original Software” means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. “Patent Claims” means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. “Source Code” means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

1.13. “You” (or “Your”) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, “You” includes any entity which 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.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

3. Distribution Obligations.

3.1. Availability of Source Code.

Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.

The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.

You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.

You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients' rights hereunder. 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 the Initial Developer or 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 the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.

You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipient's rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

3.6. Larger Works.

You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

4.1. New Versions.

Oracle is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.

You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.

When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN “AS IS” BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, 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 THE INITIAL DEVELOPER OR ANY OTHER 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 HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as “Participant”) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

6.3. If You assert a patent infringement claim against Participant alleging that the Participant Software directly or indirectly infringes any patent where such claim is resolved (such as by license or settlement) prior to the initiation of patent infringement litigation, then the reasonable value of the licenses granted by such Participant under Sections 2.1 or 2.2 shall be taken into account in determining the amount or value of any payment or license.

6.4. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR 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. U.S. GOVERNMENT END USERS.

The Covered Software is a “commercial item,” as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of “commercial computer software” (as that term is defined at 48 C.F.R. § 252.227-7014(a)(1)) and “commercial computer software documentation” as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning 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. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction's conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)

The code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California and the state courts of the State of California, with venue lying in Santa Clara County, California.

The GNU General Public License (GPL) Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.

59 Temple Place, Suite 330, Boston, MA 02111-1307 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 Library 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.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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'

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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 a brief idea of what it does.

Copyright (C) <year> <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., 59 Temple Place, Suite 330, Boston, MA 02111-1307 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.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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 Library General Public License instead of this License.

"CLASSPATH" EXCEPTION TO THE GPL VERSION 2

Certain source files distributed by Oracle are subject to the following clarification and special exception to the GPL Version 2, but only where Oracle has expressly included in the particular source file's header the words "Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the License file that accompanied this code."

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 Version 2 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.

The Jersey Grizzly Connector component is subject to the following license:

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)Version 1.1

1. Definitions.

1.1. “Contributor” means each individual or entity that creates or contributes to the creation of Modifications.

1.2. “Contributor Version” means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. “Covered Software” means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. “Executable” means the Covered Software in any form other than Source Code.

1.5. “Initial Developer” means the individual or entity that first makes Original Software available under this License.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

1.6. “Larger Work” means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. “License” means this document.

1.8. “Licensable” means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. “Modifications” means the Source Code and Executable form of any of the following:

A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;

B. Any new file that contains any part of the Original Software or previous Modification; or

C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. “Original Software” means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. “Patent Claims” means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. “Source Code” means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. “You” (or “Your”) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, “You” includes any entity which 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.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.

Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.

The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.

You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.

You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients' rights hereunder. 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 the

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Initial Developer or 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 the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.

You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipient's rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

3.6. Larger Works.

You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.

Oracle is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.

You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.

When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN “AS IS” BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS,

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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 THE INITIAL DEVELOPER OR ANY OTHER 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 HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as “Participant”) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. If You assert a patent infringement claim against Participant alleging that the Participant Software directly or indirectly infringes any patent where such claim is resolved (such as by license or settlement) prior to the initiation of patent infringement litigation, then the reasonable value of the licenses granted by such Participant under Sections 2.1 or 2.2 shall be taken into account in determining the amount or value of any payment or license.

6.4. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR 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. U.S. GOVERNMENT END USERS.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

The Covered Software is a “commercial item,” as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of “commercial computer software” (as that term is defined at 48 C.F.R. § 252.227-7014(a)(1)) and “commercial computer software documentation” as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning 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. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction's conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)

The code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California and the state courts of the State of California, with venue lying in Santa Clara County, California.

The GNU General Public License (GPL) Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.

59 Temple Place, Suite 330, Boston, MA 02111-1307 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

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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 Library 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.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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 a brief idea of what it does.

Copyright (C) <year> <name of author>

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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., 59 Temple Place, Suite 330, Boston, MA 02111-1307 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 Library General Public License instead of this License.

"CLASSPATH" EXCEPTION TO THE GPL VERSION 2

Certain source files distributed by Oracle are subject to the following clarification and special exception to the GPL Version 2, but only where Oracle has expressly included in the particular source file's header the words "Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the License file that accompanied this code."

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 Version 2 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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

OWASP Java HTML Sanitizer License

You may use under either the Apache License Version 2.0 or the BSD 3-Clause License.

Oracle elects the Apache 2.0 license.

Copyright (C) 2009 The Guava Authors

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.

For a copy of the Apache license, see Apache License, Version 2.0.

Copyright (c) 2011, Mike Samuel

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.

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

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

------GUAVA 25.1 -----

Apache 2.0

Apache License

Version 2.0, January 2004

http://www.apache.org/licenses/

Pluto Fourth-Party Licenses

4th party dependencies distributed by PeopleSoft for Pluto 1.0.1:

Apache 1.1 License

---

xml-apis-1.4.0.1.jar

The Apache Software License, Version 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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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 names "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",
nor may "Apache" 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.

==========

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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 2.0

---

xerceslmpl-2.12.1.jar

==========

== NOTICE file corresponding to section 4(d) of the Apache License, ==
== Version 2.0, in this case for the Apache Xerces Java distribution. ==

==========

Copyright 1999-2018 The Apache Software Foundation
This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
Portions of this software were originally based on the following:
- software copyright (c) 1999, IBM Corporation., http://www.ibm.com.
- software copyright (c) 1999, Sun Microsystems., http://www.sun.com.
- voluntary contributions made by Paul Eng on behalf of the
Apache Software Foundation that were originally developed at iClick, Inc.,
software copyright (c) 1999.
commons-logging-1.1.1.jar
* Copyright 2001-2004 The Apache Software Foundation.
*
* 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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

*

* 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.

portlet-api-1.0.jar

* Copyright 2003,2004 The Apache Software Foundation.

*

* 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.

POI Fourth-Party Licenses

4th party dependencies distributed by PeopleSoft for POI:

==========

== NOTICE file corresponding to section 4(d) of the Apache License, ==

== Version 2.0, in this case for the Apache XmlBeans distribution. ==

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

==========

This product includes software developed by

The Apache Software Foundation (http://www.apache.org/).

Portions of this software were originally based on the following:

- software copyright (c) 2000-2003, BEA Systems, <http://www.bea.com/>.

Aside from contributions to the Apache XMLBeans project, this

software also includes:

- one or more source files from the Apache Xerces-J and Apache Axis

products, Copyright (c) 1999-2003 Apache Software Foundation

- W3C XML Schema documents Copyright 2001-2003 (c) World Wide Web

Consortium (Massachusetts Institute of Technology, European Research

Consortium for Informatics and Mathematics, Keio University)

- resolver.jar from Apache Xml Commons project,

Copyright (c) 2001-2003 Apache Software Foundation

- Piccolo XML Parser for Java from http://piccolo.sourceforge.net/,

Copyright 2002 Yuval Oren under the terms of the Apache Software License 2.0

- JSR-173 Streaming API for XML from http://sourceforge.net/projects/xmlpullparser/,

Copyright 2005 BEA under the terms of the Apache Software License 2.0

APACHE POI SUBCOMPONENTS:

Apache POI includes subcomponents with separate copyright notices and

license terms. Your use of these subcomponents is subject to the terms

and conditions of the following licenses:

Office Open XML schemas (ooxml-schemas-1.*.jar)

The Office Open XML schema definitions used by Apache POI are

a part of the Office Open XML ECMA Specification (ECMA-376, [1]).

As defined in section 9.4 of the ECMA bylaws [2], this specification

is available to all interested parties without restriction:

9.4 All documents when approved shall be made available to

all interested parties without restriction.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Furthermore, both Microsoft and Adobe have granted patent licenses

to this work [3,4,5].

[1] http://www.ecma-international.org/publications/standards/Ecma-376.htm

[2] http://www.ecma-international.org/memento/Ecmabylaws.htm

[3] http://www.microsoft.com/openspecifications/en/us/programs/osp/default.aspx

[4] http://www.ecma-international.org/publications/files/ECMA-ST/Ecma%20PATENT/

Patent%20statements%20ok/ECMA-376%20Edition%202%20Microsoft%20Patent%20Declaration.pdf

[5] http://www.ecma-international.org/publications/files/ECMA-ST/Ecma%20PATENT/

Patent%20statements%20ok/ECMA-376%20Adobe%20Patent%20Declaration.pdf

Bouncy Castle library (bcprov-*.jar, bcpg-*.jar, bcpkix-*.jar)

Permission is hereby granted, free of charge, to any person obtaining a copy

of this software and associated documentation files (the "Software"), to

deal in the Software without restriction, including without limitation the

rights to use, copy, modify, merge, publish, distribute, sublicense, and/or

sell copies of the Software, and to permit persons to whom the Software is

furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in

all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR

IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,

FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE

AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER

LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING

FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS

IN THE SOFTWARE.

JUnit test library (junit-4.*.jar) & JaCoCo (*jacoco*)

Eclipse Public License - v 1.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM

CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS

"Contribution" means:

a) in the case of the initial Contributor, the initial code and documentation

distributed under this Agreement, and

b) in the case of each subsequent Contributor:

i) changes to the Program, and

ii) additions to the Program;

where such changes and/or additions to the Program originate from and are

distributed by that particular Contributor. A Contribution 'originates' from

a Contributor if it was added to the Program by such Contributor itself or

anyone acting on such Contributor's behalf. Contributions do not include

additions to the Program which: (i) are separate modules of software

distributed in conjunction with the Program under their own license agreement,

and (ii) are not derivative works of the Program.

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

"Licensed Patents" mean patent claims licensable by a Contributor which are

necessarily infringed by the use or sale of its Contribution alone or when

combined with the Program.

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

"Recipient" means anyone who receives the Program under this Agreement,

including all Contributors.

2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants

Recipient a non-exclusive, worldwide, royalty-free copyright license to

reproduce, prepare derivative works of, publicly display, publicly

perform, distribute and sublicense the Contribution of such Contributor,

if any, and such derivative works, in source code and object code form.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

3. REQUIREMENTS

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

a) it complies with the terms and conditions of this Agreement; and

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

b) its license agreement:

i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and

iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

a) it must be made available under this Agreement; and

b) a copy of this Agreement must be included with each copy of the Program.

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

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

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

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

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

associated with its exercise of rights under this Agreement , including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

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

7. GENERAL

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

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

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

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

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

Hamcrest library (hamcrest-*.jar) & CuvesAPI / Curve API

BSD License

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Copyright (c) 2000-2006, www.hamcrest.org

All rights reserved.

Redistribution and use in source and binary forms, with or without

modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this

list of conditions and the following disclaimer. Redistributions in binary

form must reproduce the above copyright notice, this list of conditions and

the following disclaimer in the documentation and/or other materials

provided with the distribution.

Neither the name of Hamcrest nor the names of its contributors may be used

to endorse or promote products derived from this software without specific

prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"

AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE

IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE

ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE

LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR

CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF

SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS

INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN

CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)

ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE

POSSIBILITY OF SUCH DAMAGE.

SLF4J library (slf4j-api-*.jar)

Copyright (c) 2004-2013 QOS.ch

All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining

a copy of this software and associated documentation files (the

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

"Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish,
distribute, sublicense, and/or sell copies of the Software, and to
permit persons to whom the Software is furnished to do so, subject to
the following conditions:
The above copyright notice and this permission notice shall be
included in all copies or substantial portions of the Software.
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE
LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION
OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION
WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
****

Notice File:
Apache POI
Copyright 2003-2016 The Apache Software Foundation
This product includes software developed by
The Apache Software Foundation (https://www.apache.org/).
This product contains parts that were originally based on software from BEA.
Copyright (c) 2000-2003, BEA Systems, <http://www.bea.com/>.
This product contains W3C XML Schema documents. Copyright 2001-2003 (c)
World Wide Web Consortium (Massachusetts Institute of Technology, European
Research Consortium for Informatics and Mathematics, Keio University)
This product contains the Piccolo XML Parser for Java
(http://piccolo.sourceforge.net/). Copyright 2002 Yuval Oren.
This product contains the chunks_parse_cmds.tbl file from the vsdump program.
Copyright (C) 2006-2007 Valek Filippov (frob@df.ru)

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

This product contains parts of the eID Applet project

(http://eid-applet.googlecode.com). Copyright (c) 2009-2014

FedICT (federal ICT department of Belgium), e-Contract.be BVBA (https://www.e-contract.be),

Bart Hanssens from FedICT

****

Curvesapi Notice:

com.graphbuilder.org.apache.harmony.awt.gl.Crossing is from the Apache Harmony project and is released under the Apache 2.0 license.

****

Curvesapi License:

Copyright (c) 2005, Graph Builder

All rights reserved.

Redistribution and use in source and binary forms, with or without

modification, are permitted provided that the following conditions

are met:

-Redistributions of source code must retain the above copyright notice,

this list of conditions and the following disclaimer.

-Redistributions in binary form must reproduce the above copyright notice,

this list of conditions and the following disclaimer in the documentation

and/or other materials provided with the distribution.

-Neither the name of Graph Builder nor the names of its contributors may be

used to endorse or promote products derived from this software without

specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"

AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE

IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE

DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE

FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

xmlbeans:

This is an isolated directory that was taken from the

Apache Xerces-J 2.0 project.

BMPPattern.java,v 1.4 2004/02/24

Match.java,v 1.5 2004/02/24

Op.java,v 1.4 2004/02/24

ParseException.java,v 1.4 2004/02/24

ParserForXMLSchema.java,v 1.6 2004/02/24

RangeToken.java,v 1.5 2004/02/24

RegexParser.java,v 1.9 2004/02/24

RegularExpression.java,v 1.8 2004/02/24

REUtil.java,v 1.8 2004/02/24

Token.java,v 1.8 2004/02/24

message.properties, 1.6 2003/03/25

It contains the following modifications:

(1) a change in namespace.

(2) the addition of a SchemaRegularExpression class for fast

detection of NCNAME, etc.

(3) Bugfix in file ParserForXMLSchema:237

No xbean code outside this directory or other directories with

similar README notices was taken from Apache.

Apache Commons Codec

Copyright 2002-2014 The Apache Software Foundation

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

This product includes software developed at

The Apache Software Foundation (http://www.apache.org/).

src/test/org/apache/commons/codec/language/DoubleMetaphoneTest.java

contains test data from http://aspell.net/test/orig/batch0.tab.

Copyright (C) 2002 Kevin Atkinson (kevina@gnu.org)

==========

The content of package org.apache.commons.codec.language.bm has been translated

from the original php source code available at http://stevemorse.org/phoneticinfo.htm

with permission from the original authors.

Original source copyright:

Copyright (c) 2008 Alexander Beider & Stephen P. Morse.

Apache Commons Collections

Copyright 2001-2015 The Apache Software Foundation

This product includes software developed at

The Apache Software Foundation (http://www.apache.org/).

Apache Commons Logging

Copyright 2003-2014 The Apache Software Foundation

This product includes software developed at

The Apache Software Foundation (http://www.apache.org/).

Python License

From the LICENSE file:

PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2

---

1. This LICENSE AGREEMENT is between the Python Software Foundation

("PSF"), and the Individual or Organization ("Licensee") accessing and

otherwise using this software ("Python") in source or binary form and

its associated documentation.

2. Subject to the terms and conditions of this License Agreement, PSF hereby

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce,
analyze, test, perform and/or display publicly, prepare derivative works,
distribute, and otherwise use Python alone or in any derivative version,
provided, however, that PSF's License Agreement and PSF's notice of copyright,
i.e., "Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010,
2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019 Python Software Foundation;
All Rights Reserved" are retained in Python alone or in any derivative version
prepared by Licensee.

3. In the event Licensee prepares a derivative work that is based on
or incorporates Python or any part thereof, and wants to make
the derivative work available to others as provided herein, then
Licensee hereby agrees to include in any such work a brief summary of
the changes made to Python.

4. PSF is making Python available to Licensee on an "AS IS"
basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR
IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND
DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS
FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON WILL NOT
INFRINGE ANY THIRD PARTY RIGHTS.

5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON
FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS
A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON,
OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material
breach of its terms and conditions.

7. Nothing in this License Agreement shall be deemed to create any
relationship of agency, partnership, or joint venture between PSF and
Licensee. This License Agreement does not grant permission to use PSF
trademarks or trade name in a trademark sense to endorse or promote

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

products or services of Licensee, or any third party.

8. By copying, installing or otherwise using Python, Licensee

agrees to be bound by the terms and conditions of this License

Agreement.

From the Doc/license.rst file:

Licenses and Acknowledgements for Incorporated Software

==========

This section is an incomplete, but growing list of licenses and acknowledgements

for third-party software incorporated in the Python distribution.

Mersenne Twister

The :mod:`_random` module includes code based on a download from

http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html. The following are

the verbatim comments from the original code::

A C-program for MT19937, with initialization improved 2002/1/26.

Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)

or init_by_array(init_key, key_length).

Copyright (C) 1997 - 2002, Makoto Matsumoto and Takuji Nishimura,

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 names of its contributors may not be used to endorse or promote

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

products derived from this software without specific prior written

permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS

"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT

LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR

A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR

CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,

EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,

PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR

PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF

LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING

NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS

SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Any feedback is very welcome.

http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html

email: m-mat @ math.sci.hiroshima-u.ac.jp (remove space)

Sockets

The :mod:`socket` module uses the functions, :func:`getaddrinfo`, and

:func:`getnameinfo`, which are coded in separate source files from the WIDE

Project, http://www.wide.ad.jp/. ::

Copyright (C) 1995, 1996, 1997, and 1998 WIDE Project.

All rights reserved.

For a copy of the BSD 3-Clause license, see BSD 3-Clause License.

Asynchronous socket services

The :mod:`asynchat` and :mod:`asyncore` modules contain the following notice::

Copyright 1996 by Sam Rushing

All Rights Reserved

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Permission to use, copy, modify, and distribute this software and
its documentation for any purpose and without fee is hereby
granted, provided that the above copyright notice appear in all
copies and that both that copyright notice and this permission
notice appear in supporting documentation, and that the name of Sam
Rushing not be used in advertising or publicity pertaining to
distribution of the software without specific, written prior
permission.

SAM RUSHING DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE,
INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN
NO EVENT SHALL SAM RUSHING BE LIABLE FOR ANY SPECIAL, INDIRECT OR
CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS
OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT,
NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN
CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Cookie management

The :mod:`http.cookies` module contains the following notice::

Copyright 2000 by Timothy O'Malley <timo@alum.mit.edu>

All Rights Reserved

Permission to use, copy, modify, and distribute this software
and its documentation for any purpose and without fee is hereby
granted, provided that the above copyright notice appear in all
copies and that both that copyright notice and this permission
notice appear in supporting documentation, and that the name of
Timothy O'Malley not be used in advertising or publicity
pertaining to distribution of the software without specific, written
prior permission.

Timothy O'Malley DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY
AND FITNESS, IN NO EVENT SHALL Timothy O'Malley BE LIABLE FOR
ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES
WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS,
WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS
ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR
PERFORMANCE OF THIS SOFTWARE.

Execution tracing

The :mod:`trace` module contains the following notice::

portions copyright 2001, Autonomous Zones Industries, Inc., all rights...
err... reserved and offered to the public under the terms of the
Python 2.2 license.
Author: Zooko O'Whielacronx
http://zooko.com/
mailto:zooko@zooko.com
Copyright 2000, Mojam Media, Inc., all rights reserved.
Author: Skip Montanaro
Copyright 1999, Bioreason, Inc., all rights reserved.
Author: Andrew Dalke
Copyright 1995-1997, Automatrix, Inc., all rights reserved.
Author: Skip Montanaro
Copyright 1991-1995, Stichting Mathematisch Centrum, all rights reserved.
Permission to use, copy, modify, and distribute this Python software and
its associated documentation for any purpose without fee is hereby
granted, provided that the above copyright notice appears in all copies,
and that both that copyright notice and this permission notice appear in
supporting documentation, and that the name of neither Automatrix,
Bioreason or Mojam Media be used in advertising or publicity pertaining to

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

distribution of the software without specific, written prior permission.

UUencode and UUdecode functions

The :mod:`uu` module contains the following notice::

Copyright 1994 by Lance Ellinghouse

Cathedral City, California Republic, United States of America.

All Rights Reserved

Permission to use, copy, modify, and distribute this software and its

documentation for any purpose and without fee is hereby granted,

provided that the above copyright notice appear in all copies and that

both that copyright notice and this permission notice appear in

supporting documentation, and that the name of Lance Ellinghouse

not be used in advertising or publicity pertaining to distribution

of the software without specific, written prior permission.

LANCE ELLINGHOUSE DISCLAIMS ALL WARRANTIES WITH REGARD TO

THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND

FITNESS, IN NO EVENT SHALL LANCE ELLINGHOUSE CENTRUM BE LIABLE

FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES

WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN

ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT

OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Modified by Jack Jansen, CWI, July 1995:

- Use binascii module to do the actual line-by-line conversion

between ascii and binary. This results in a 1000-fold speedup. The C

version is still 5 times faster, though.

- Arguments more compliant with Python standard

XML Remote Procedure Calls

The :mod:`xmlrpc.client` module contains the following notice::

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

The XML-RPC client interface is

Copyright (c) 1999-2002 by Secret Labs AB

Copyright (c) 1999-2002 by Fredrik Lundh

By obtaining, using, and/or copying this software and/or its
associated documentation, you agree that you have read, understood,
and will comply with the following terms and conditions:

Permission to use, copy, modify, and distribute this software and
its associated documentation for any purpose and without fee is
hereby granted, provided that the above copyright notice appears in
all copies, and that both that copyright notice and this permission
notice appear in supporting documentation, and that the name of
Secret Labs AB or the author not be used in advertising or publicity
pertaining to distribution of the software without specific, written
prior permission.

SECRET LABS AB AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD
TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANT-
ABILITY AND FITNESS. IN NO EVENT SHALL SECRET LABS AB OR THE AUTHOR
BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY
DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS,
WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS
ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE
OF THIS SOFTWARE.

test_epoll

The :mod:`test_epoll` contains the following notice::

Copyright (c) 2001-2006 Twisted Matrix Laboratories.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

without limitation the rights to use, copy, modify, merge, publish,
distribute, sublicense, and/or sell copies of the Software, and to
permit persons to whom the Software is furnished to do so, subject to
the following conditions:
The above copyright notice and this permission notice shall be
included in all copies or substantial portions of the Software.
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE
LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION
OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION
WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
Select kqueue

The :mod:`select` and contains the following notice for the kqueue interface::
Copyright (c) 2000 Doug White, 2006 James Knight, 2007 Christian Heimes
All rights reserved.
For a copy of the BSD 2-Clause license, see BSD 2-Clause License.
SipHash24

The file :file:`Python/pyhash.c` contains Marek Majkowski' implementation of
Dan Bernstein's SipHash24 algorithm. The contains the following note::
<MIT License>
Copyright (c) 2013 Marek Majkowski <marek@popcount.org>
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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

copies of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:
The above copyright notice and this permission notice shall be included in
all copies or substantial portions of the Software.
</MIT License>
Original location:
https://github.com/majek/csiphash/
Solution inspired by code from:
Samuel Neves (supercop/crypto_auth/siphash24/little)
djb (supercop/crypto_auth/siphash24/little2)
Jean-Philippe Aumasson (https://131002.net/siphash/siphash24.c)
strtod and dtoa

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and
strtod for conversion of C doubles to and from strings, is derived
from the file of the same name by David M. Gay, currently available
from http://www.netlib.org/fp/. The original file, as retrieved on
March 16, 2009, contains the following copyright and licensing
notice::
****
The author of this software is David M. Gay.
Copyright (c) 1991, 2000, 2001 by Lucent Technologies.
Permission to use, copy, modify, and distribute this software for any
purpose without fee is hereby granted, provided that this entire notice
is included in all copies of any software which is or includes a copy
or modification of this software and in all copies of the supporting
documentation for such software.
THIS SOFTWARE IS BEING PROVIDED "AS IS", WITHOUT ANY EXPRESS OR IMPLIED
WARRANTY. IN PARTICULAR, NEITHER THE AUTHOR NOR LUCENT MAKES ANY

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE MERCHANTABILITY

OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE.

****

OpenSSL

The modules hashlib, posix, ssl, crypt use the OpenSSL library for added performance if made available by the operating system. Additionally, the Windows and Mac OS X installers for Python may include a copy of the OpenSSL libraries, so we include a copy of the OpenSSL license here:

LICENSE ISSUES

==========

The OpenSSL toolkit stays under a dual license, i.e. both the conditions of

the OpenSSL License and the original SSLeay license apply to the toolkit.

See below for the actual license texts. Actually both licenses are BSD-style

Open Source licenses. In case of any license issues related to OpenSSL

please contact openssl-core@openssl.org.

OpenSSL License

==========

Copyright (c) 1998-2008 The OpenSSL Project. All rights reserved.

Redistribution and use in source and binary forms, with or without

modification, are permitted provided that the following conditions

are met:

1. Redistributions of source code must retain the above copyright

notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright

notice, this list of conditions and the following disclaimer in

the documentation and/or other materials provided with the

distribution.

3. All advertising materials mentioning features or use of this

software must display the following acknowledgment:

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

"This product includes software developed by the OpenSSL Project
for use in the OpenSSL Toolkit. (http://www.openssl.org/)"
4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to
endorse or promote products derived from this software without
prior written permission. For written permission, please contact
openssl-core@openssl.org.
5. Products derived from this software may not be called "OpenSSL"
nor may "OpenSSL" appear in their names without prior written
permission of the OpenSSL Project.
6. Redistributions of any form whatsoever must retain the following
acknowledgment:
"This product includes software developed by the OpenSSL Project
for use in the OpenSSL Toolkit (http://www.openssl.org/)"
THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT ``AS IS'' AND ANY
EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR
ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
OF THE POSSIBILITY OF SUCH DAMAGE.

==========

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

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Original SSLeay License

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

All rights reserved.

This package is an SSL implementation written

by Eric Young (eay@cryptsoft.com).

The implementation was written so as to conform with Netscapes SSL.

This library is free for commercial and non-commercial use as long as

the following conditions are aheared to. The following conditions

apply to all code found in this distribution, be it the RC4, RSA,

lhash, DES, etc., code; not just the SSL code. The SSL documentation

included with this distribution is covered by the same copyright terms

except that the holder is Tim Hudson (tjh@cryptsoft.com).

Copyright remains Eric Young's, and as such any Copyright notices in

the code are not to be removed.

If this package is used in a product, Eric Young should be given attribution

as the author of the parts of the library used.

This can be in the form of a textual message at program startup or

in documentation (online or textual) provided with the package.

Redistribution and use in source and binary forms, with or without

modification, are permitted provided that the following conditions

are met:

1. Redistributions of source code must retain the copyright

notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright

notice, this list of conditions and the following disclaimer in the

documentation and/or other materials provided with the distribution.

3. All advertising materials mentioning features or use of this software

must display the following acknowledgement:

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

"This product includes cryptographic software written by

Eric Young (eay@cryptsoft.com)"

The word 'cryptographic' can be left out if the rouines from the library

being used are not cryptographic related :-).

4. If you include any Windows specific code (or a derivative thereof) from

the apps directory (application code) you must include an acknowledgement:

"This product includes software written by Tim Hudson (tjh@cryptsoft.com)"

THIS SOFTWARE IS PROVIDED BY ERIC YOUNG ``AS IS'' AND

ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE

IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE

ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE

FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL

DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS

OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)

HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT

LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY

OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF

SUCH DAMAGE.

The licence and distribution terms for any publically available version or

derivative of this code cannot be changed. i.e. this code cannot simply be

copied and put under another distribution licence

[including the GNU Public Licence.]

expat

The :mod:`pyexpat` extension is built using an included copy of the expat

sources unless the build is configured ``--with-system-expat``::

Copyright (c) 1998-2000 Thai Open Source Software Center Ltd and Clark Cooper

Copyright (c) 2001-2017 Expat maintainers

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Licensed under the MIT license:

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

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

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

libffi

The :mod:`_ctypes` extension is built using an included copy of the libffi
sources unless the build is configured ``--with-system-libffi``::

Copyright (c) 1996-2008 Red Hat, Inc and others.

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:

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

The above copyright notice and this permission notice shall be included
in all copies or substantial portions of the Software.
THE SOFTWARE IS PROVIDED ``AS IS'', WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT
HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY,
WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER
DEALINGS IN THE SOFTWARE.
zlib

The :mod:`zlib` extension is built using an included copy of the zlib
sources if the zlib version found on the system is too old to be
used for the build::
Copyright (C) 1995-2011 Jean-loup Gailly and Mark Adler
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.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Jean-loup Gailly Mark Adler

jloup@gzip.org madler@alumni.caltech.edu

cfuhash

The implementation of the hash table used by the :mod:`tracemalloc` is based

on the cfuhash project::

Copyright (c) 2005 Don Owens

All rights reserved.

This code is released under the BSD license:

Redistribution and use in source and binary forms, with or without

modification, are permitted provided that the following conditions

are met:

* Redistributions of source code must retain the above copyright

notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above

copyright notice, this list of conditions and the following

disclaimer in the documentation and/or other materials provided

with the distribution.

* Neither the name of the author nor the names of its

contributors may be used to endorse or promote products derived

from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS

"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT

LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS

FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE

COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,

INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES

(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR

SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)

HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,

STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)

ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED

OF THE POSSIBILITY OF SUCH DAMAGE.

libmpdec

The :mod:`_decimal` Module is built using an included copy of the libmpdec

library unless the build is configured ``--with-system-libmpdec``::

Copyright (c) 2008-2016 Stefan Krah. 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.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR 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 AUTHOR OR CONTRIBUTORS BE LIABLE

FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL

DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS

OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)

HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT

LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY

OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF

SUCH DAMAGE.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Additional attribution text found in the source:

::::::::::::::

Lib/turtle.py

::::::::::::::

Copyright (C) 2006 - 2010 Gregor Lingl

email: glingl@aon.at

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.

::::::::::::::

Lib/logging/__init__.py

::::::::::::::

Copyright 2001-2017 by Vinay Sajip. All Rights Reserved.

Permission to use, copy, modify, and distribute this software and its
documentation for any purpose and without fee is hereby granted,
provided that the above copyright notice appear in all copies and that
both that copyright notice and this permission notice appear in
supporting documentation, and that the name of Vinay Sajip

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

not be used in advertising or publicity pertaining to distribution

of the software without specific, written prior permission.

VINAY SAJIP DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING

ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL

VINAY SAJIP BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR

ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER

IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT

OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

::::::::::::::

Lib/multiprocessing/__init__.py

::::::::::::::

Copyright (c) 2006-2008, R Oudkerk

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. Neither the name of author nor the names of any contributors may be

used to endorse or promote products derived from this software

without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR 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 AUTHOR OR CONTRIBUTORS BE LIABLE

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

::::::::::::::

Lib/optparse.py

::::::::::::::

Copyright (c) 2001-2006 Gregory P. Ward. All rights reserved.

Copyright (c) 2002-2006 Python 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:

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

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

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

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

::::::::::::::

Lib/platform.py

::::::::::::::

Copyright (c) 1999-2000, Marc-Andre Lemburg; mailto:mal@lemburg.com

Copyright (c) 2000-2010, eGenix.com Software GmbH; mailto:info@egenix.com

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee or royalty is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation or portions thereof, including modifications, that you make.

EGENIX.COM SOFTWARE GMBH 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, 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 !

::::::::::::::

Lib/profile.py

::::::::::::::

Copyright Disney Enterprises, Inc. All Rights Reserved.

Licensed to PSF under a Contributor Agreement

Licensed under the Apache License, Version 2.0 (the "License");

you may not use this file except in compliance with the License.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

::::::::::::::

Lib/sqlite3/__init__.py

::::::::::::::

Copyright (C) 2005 Gerhard Häring <gh@ghaering.de>

This file is part of pysqlite.

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.

::::::::::::::

Lib/tarfile.py

::::::::::::::

Copyright (C) 2002 Lars Gustaebel <lars@gustaebel.de>

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

All rights reserved.

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

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

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

::::::::::::::

Lib/unittest/__init__.py

::::::::::::::

Copyright (c) 1999-2003 Steve Purcell

Copyright (c) 2003-2010 Python Software Foundation

This module is free software, and you may redistribute it and/or modify
it under the same terms as Python itself, so long as this copyright message
and disclaimer are retained in their original form.

IN NO EVENT SHALL THE AUTHOR BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT,
SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

THIS CODE, EVEN IF THE AUTHOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

THE AUTHOR SPECIFICALLY DISCLAIMS ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE CODE PROVIDED HEREUNDER IS ON AN "AS IS" BASIS, AND THERE IS NO OBLIGATION WHATSOEVER TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

::::::::::::::

Modules/_localemodule.c

::::::::::::::

Copyright (C) 1997, 2002, 2003 Martin von Loewis

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

This software comes with no warranty. Use at your own risk.

::::::::::::::

Modules/parsermodule.c

::::::::::::::

Copyright 1995-1996 by Fred L. Drake, Jr. and Virginia Polytechnic Institute and State University, Blacksburg, Virginia, USA.

Portions copyright 1991-1995 by Stichting Mathematisch Centrum, Amsterdam, The Netherlands. Copying is permitted under the terms associated with the main Python distribution, with the additional restriction that this additional notice be included and maintained on all distributed copies.

::::::::::::::

Python/getopt.c

::::::::::::::

Copyright 1992-1994, David Gottner

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

All Rights Reserved

Permission to use, copy, modify, and distribute this software and its
documentation for any purpose and without fee is hereby granted,
provided that the above copyright notice, this permission notice and
the following disclaimer notice appear unmodified in all copies.

I DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL I BE LIABLE FOR ANY SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA, OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Nevertheless, I would like to know about bugs in this library or
suggestions for improvment. Send bug reports and feedback to
davegottner@delphi.com.

::::::::::::::

Tools/pynche/X/xlicense.txt

::::::::::::::

X Window System License - X11R6.4

Copyright (c) 1998 The Open Group

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

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

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE OPEN GROUP 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.

Except as contained in this notice, the name of The Open Group shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from The Open Group.

X Window System is a trademark of The Open Group

::::::::::::::

install-sh

::::::::::::::

Copyright (C) 1994 X Consortium

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

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

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE

X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN

AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNEC-

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

TION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of the X Consortium shall not
be used in advertising or otherwise to promote the sale, use or other deal-
ings in this Software without prior written authorization from the X Consor-
tium.

::::::::::::::

Include/dynamic_annotations.h

Python/dynamic_annotations.c

::::::::::::::

Copyright (c) 2008-2009, Google Inc.

All rights reserved.

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

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

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

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

::::::::::::::

Modules/_blake2

::::::::::::::

BLAKE2 reference source code package - optimized C implementations

Copyright 2012, Samuel Neves <sneves@dei.uc.pt>. You may use this under the
terms of the CC0, the OpenSSL Licence, or the Apache Public License 2.0, at
your option. The terms of these licenses can be found at:

- CC0 1.0 Universal : http://creativecommons.org/publicdomain/zero/1.0
- OpenSSL license : https://www.openssl.org/source/license.html
- Apache 2.0 : http://www.apache.org/licenses/LICENSE-2.0

More information about the BLAKE2 hash function can be found at
https://blake2.net.

==========

Additional 4th party packages included as build dependencies and shipped with Windows

==========

bzip2-1.0.6

(https://github.com/python/cpython-source-deps/archive/bzip2-1.0.6.zip)

==========

This program, "bzip2", the associated library "libbzip2", and all
documentation, are copyright (C) 1996-2010 Julian R Seward. 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. The origin of this software must not be misrepresented; you must

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.
3. Altered source versions must be plainly marked as such, and must
not be misrepresented as being the original software.
4. The name of the author may not be used to endorse or promote
products derived from this software without specific prior written
permission.
THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS
OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY
DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE
GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY,
WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING
NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

---

sqlite-3.28.0.0
(https://github.com/python/cpython-source-deps/archive/sqlite-3.28.0.0.zip)

==========

** The author disclaims copyright to this source code. In place of
** a legal notice, here is a blessing:
**
** May you do good and not evil.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

** May you find forgiveness for yourself and forgive others.

** May you share freely, never taking more than you give.

**

xz-5.2.2

(https://github.com/python/cpython-source-deps/archive/xz-5.2.2.zip)

==========

XZ Utils Licensing

==========

Different licenses apply to different files in this package. Here
is a rough summary of which licenses apply to which parts of this
package (but check the individual files to be sure!):

- liblzma is in the public domain.

- xz, xzdec, and lzmadec command line tools are in the public
domain unless GNU getopt_long had to be compiled and linked
in from the lib directory. The getopt_long code is under
GNU LGPLv2.1+.

- The scripts to grep, diff, and view compressed files have been
adapted from gzip. These scripts and their documentation are
under GNU GPLv2+.

- All the documentation in the doc directory and most of the
XZ Utils specific documentation files in other directories
are in the public domain.

- Translated messages are in the public domain.

- The build system contains public domain files, and files that
are under GNU GPLv2+ or GNU GPLv3+. None of these files end up
in the binaries being built.

- Test files and test code in the tests directory, and debugging
utilities in the debug directory are in the public domain.

- The extra directory may contain public domain files, and files

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

that are under various free software licenses.

You can do whatever you want with the files that have been put into
the public domain. If you find public domain legally problematic,
take the previous sentence as a license grant. If you still find
the lack of copyright legally problematic, you have too many
lawyers.

As usual, this software is provided "as is", without any warranty.

If you copy significant amounts of public domain code from XZ Utils
into your project, acknowledging this somewhere in your software is
polite (especially if it is proprietary, non-free software), but
naturally it is not legally required. Here is an example of a good
notice to put into "about box" or into documentation:

This software includes code from XZ Utils <http://tukaani.org/xz/>.

The following license texts are included in the following files:

- COPYING.LGPLv2.1: GNU Lesser General Public License version 2.1
- COPYING.GPLv2: GNU General Public License version 2
- COPYING.GPLv3: GNU General Public License version 3

Note that the toolchain (compiler, linker etc.) may add some code
pieces that are copyrighted. Thus, it is possible that e.g. liblzma
binary wouldn't actually be in the public domain in its entirety
even though it contains no copyrighted code from the XZ Utils source
package.

If you have questions, don't hesitate to ask the author(s) for more
information.

zlib-1.2.11

(https://github.com/python/cpython-source-deps/archive/zlib-1.2.11.zip)

==========

zlib.h -- interface of the 'zlib' general purpose compression library

version 1.2.11, January 15th, 2017

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler

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.

Jean-loup Gailly Mark Adler

jloup@gzip.org madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for

Comments) 1950 to 1952 in the files http://tools.ietf.org/html/rfc1950

(zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

*/

---

pywinrm Fourth-Party Licenses

4th party dependencies distributed by PeopleSoft for pywinrm:

Through the Python PIP process, PIP automatically parses it's manifest, then pulls additional modules that are identified. It then automatically downloads those modules and parses their manifests until all dependencies are resolved. The list below are the dependencies of pywinrm that were pulled into the Python packaging when pywinrm was selected, hence considering these to be 4th party dependencies but only specifically when using with Python.

xmltodict 0.12.0

Copyright (C) 2012 Martin Blech and individual contributors.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

MIT License

---

requests-ntlm 1.1.0

Copyright (c) 2013 Ben Toews

Permission to use, copy, modify and/or distribute this software for any

purpose with or without fee is hereby granted, provided that the above

copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS-IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

---

ntlm-auth 1.4.0 (dependency of requests-ntlm)

Copyright: (c) 2018, Jordan Borean (@jborean93) <jborean93@gmail.com>

MIT License (see LICENSE or https://opensource.org/licenses/MIT)

MIT License

Copyright (c) 2018 Jordan Borean, Red Hat

MIT License

---

requests 2.22.0 (dependency of requests-ntlm)

Copyright 2017 Kenneth Reitz

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

---

cryptography 2.7 (dependency of requests-ntlm)

This software is made available under the terms of *either* of the licenses

found in LICENSE.APACHE or LICENSE.BSD. Contributions to cryptography are made

under the terms of *both* these licenses.

The code used in the OpenSSL locking callback and OS random engine is derived

from CPython, and is licensed under the terms of the PSF License Agreement.

----------APACHE----------

Apache License, Version 2.0

----------BSD----------

Copyright (c) Individual contributors.

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. Neither the name of PyCA Cryptography nor the names of its contributors

may be used to endorse or promote products derived from this software

without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND

ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE

DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR

ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES

(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;

LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON

ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT

(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS

SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

----------PSF----------

1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and

the Individual or Organization ("Licensee") accessing and otherwise using Python

2.7.12 software in source or binary form and its associated documentation.

2. Subject to the terms and conditions of this License Agreement, PSF hereby

grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce,

analyze, test, perform and/or display publicly, prepare derivative works,

distribute, and otherwise use Python 2.7.12 alone or in any derivative

version, provided, however, that PSF's License Agreement and PSF's notice of

copyright, i.e., "Copyright © 2001-2016 Python Software Foundation; All Rights

Reserved" are retained in Python 2.7.12 alone or in any derivative version

prepared by Licensee.

3. In the event Licensee prepares a derivative work that is based on or

incorporates Python 2.7.12 or any part thereof, and wants to make the

derivative work available to others as provided herein, then Licensee hereby

agrees to include in any such work a brief summary of the changes made to Python

2.7.12.

4. PSF is making Python 2.7.12 available to Licensee on an "AS IS" basis.

PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR

WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE

USE OF PYTHON 2.7.12 WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON 2.7.12

FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF

MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 2.7.12, OR ANY DERIVATIVE

THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of

its terms and conditions.

7. Nothing in this License Agreement shall be deemed to create any relationship

of agency, partnership, or joint venture between PSF and Licensee. This License

Agreement does not grant permission to use PSF trademarks or trade name in a

trademark sense to endorse or promote products or services of Licensee, or any

third party.

8. By copying, installing or otherwise using Python 2.7.12, Licensee agrees

to be bound by the terms and conditions of this License Agreement.

Dependency packages

---

cffi-1.11.5

asn1crypto-1.1.0

pycparser-2.18

idna>=2.1

---

cffi

Copyright (C) 2005-2007, James Bielman <jamesjb@jamesjb.com>

MIT License

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

---

asn1crypto

Copyright (c) 2015-2019 Will Bond <will@wbond.net>

MIT License

---

pycparser -- A C parser in Python

Copyright (c) 2008-2017, Eli Bendersky

All rights reserved.

Redistribution and use in source and binary forms, with or without modification,

are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this

list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice,

this list of conditions and the following disclaimer in the documentation

and/or other materials provided with the distribution.

* Neither the name of Eli Bendersky nor the names of its contributors may

be used to endorse or promote products derived from this software without

specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND

ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED

WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE

DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE

LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR

CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT 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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

---

idna

Copyright (c) 2013-2017, Kim Davies. All rights reserved.

BSD 3-Clause License

Portions of the codec implementation and unit tests are derived from the Python standard library, which carries the Python Software Foundation License

---

six 1.12.0 (dependency of cryptography)

Copyright (c) 2010-2017 Benjamin Peterson

MIT License

---

cffi 1.12.3 (dependency of cryptography)

Except when otherwise stated (look for LICENSE files in directories or

information at the beginning of each file) all software and

documentation is licensed as follows:

The MIT License

MIT License

Raphael Fourth-Party Licenses

4th party dependencies distributed by PeopleSoft for Raphael:

---

eve-raphael 0.5.0 (note - as of January 1, 2013 Eve was transferred to Adobe.)

Apache License

Version 2.0, January 2004

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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,

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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 2013 Adobe Systems Incorporated
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.

rfc4122 License

Provider: Microsoft
Component: GUID Generator
Licensing Information:
Copyright (c) 1990- 1993, 1996 Open Software Foundation, Inc.
Copyright (c) 1989 by Hewlett-Packard Company, Palo Alto, Ca. &

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Digital Equipment Corporation, Maynard, Mass.

Copyright (c) 1998 Microsoft.

GUID Generator License

Copyright (c) 1990- 1993, 1996 Open Software Foundation, Inc.

Copyright (c) 1989 by Hewlett-Packard Company, Palo Alto, Ca. &

Digital Equipment Corporation, Maynard, Mass.

Copyright (c) 1998 Microsoft.

To anyone who acknowledges that this file is provided "AS IS"

without any express or implied warranty: permission to use, copy,

modify, and distribute this file for any purpose is hereby

granted without fee, provided that the above copyright notices and

this notice appears in all source code copies, and that none of

the names of Open Software Foundation, Inc., Hewlett-Packard

Company, Microsoft, or Digital Equipment Corporation be used in

advertising or publicity pertaining to distribution of the software

without specific, written prior permission. Neither Open Software

Foundation, Inc., Hewlett-Packard Company, Microsoft, nor Digital

Equipment Corporation makes any representations about the

suitability of this software for any purpose.

Ruby License

Ruby is copyrighted free software by Yukihiro Matsumoto <matz@netlab.jp>.

You can redistribute it and/or modify it under either the terms of the

2-clause BSDL (see the file BSDL), or the conditions below:

Oracle elects the 2 Clause BSDL.

1. You may make and give away verbatim copies of the source form of the

software without restriction, provided that you duplicate all of the

original copyright notices and associated disclaimers.

2. You may modify your copy of the software in any way, provided that

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

you do at least ONE of the following:

a) place your modifications in the Public Domain or otherwise
make them Freely Available, such as by posting said
modifications to Usenet or an equivalent medium, or by allowing
the author to include your modifications in the software.

b) use the modified software only within your corporation or
organization.

c) give non-standard binaries non-standard names, with
instructions on where to get the original software distribution.

d) make other distribution arrangements with the author.

3. You may distribute the software in object code or binary form,
provided that you do at least ONE of the following:

a) distribute the binaries and library files of the software,
together with instructions (in the manual page or equivalent)
on where to get the original distribution.

b) accompany the distribution with the machine-readable source of
the software.

c) give non-standard binaries non-standard names, with
instructions on where to get the original software distribution.

d) make other distribution arrangements with the author.

4. You may modify and include the part of the software into any other
software (possibly commercial). But some files in the distribution
are not written by the author, so that they are not under these terms.
For the list of those files and their copying conditions, see the
file LEGAL.

5. The scripts and library files supplied as input to or produced as
output from the software do not automatically fall under the
copyright of the software, but belong to whomever generated them,
and may be sold commercially, and may be aggregated with this

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

software.

6. THIS SOFTWARE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

****

Copyright (C) 1993-2013 Yukihiro Matsumoto. All rights reserved.

For a copy of the BSD 2-Clause license, see BSD 2-Clause License.

****

From the Ruby LEGAL file https://github.com/ruby/ruby/blob/ruby_2_4/LEGAL:

LEGAL NOTICE INFORMATION

All the files in this distribution are covered under either the Ruby's
license (see the file COPYING) or public-domain except some files
mentioned below.

ccan/build_assert/build_assert.h

ccan/check_type/check_type.h

ccan/container_of/container_of.h

ccan/str/str.h

These files are licensed under the CC0.

https://creativecommons.org/choose/zero/

ccan/list/list.h

This file is licensed under the MIT License.

For a copy of the MIT license, see MIT License.

include/ruby/oniguruma.h:

regcomp.c:

regenc.[ch]:

regerror.c:

regexec.c:

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

regint.h:

regparse.[ch]:

enc/ascii.c

enc/big5.c

enc/cp949.c

enc/emacs_mule.c

enc/encdb.c

enc/euc_jp.c

enc/euc_kr.c

enc/euc_tw.c

enc/gb18030.c

enc/gb2312.c

enc/gbk.c

enc/iso_8859_1.c

enc/iso_8859_10.c

enc/iso_8859_11.c

enc/iso_8859_13.c

enc/iso_8859_14.c

enc/iso_8859_15.c

enc/iso_8859_16.c

enc/iso_8859_2.c

enc/iso_8859_3.c

enc/iso_8859_4.c

enc/iso_8859_5.c

enc/iso_8859_6.c

enc/iso_8859_7.c

enc/iso_8859_8.c

enc/iso_8859_9.c

enc/koi8_r.c

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

enc/koi8_u.c

enc/shift_jis.c

enc/unicode.c

enc/us_ascii.c

enc/utf_16be.c

enc/utf_16le.c

enc/utf_32be.c

enc/utf_32le.c

enc/utf_8.c

enc/windows_1251.c

Oniguruma ---- (C) K.Kosako <sndgk393 AT ybb DOT ne DOT jp>

https://github.com/kkos/oniguruma

https://svnweb.freebsd.org/ports/head/devel/oniguruma/

When this software is partly used or it is distributed with Ruby,

this of Ruby follows the license of Ruby.

enc/trans/GB/GB12345%UCS.src:

enc/trans/GB/UCS%GB12345.src:

Copyright (c) 1991-1994 Unicode, Inc. All Rights reserved.

This file is provided as-is by Unicode, Inc. (The Unicode Consortium).

No claims are made as to fitness for any particular purpose. No

warranties of any kind are expressed or implied. The recipient

agrees to determine applicability of information provided. If this

file has been provided on magnetic media by Unicode, Inc., the sole

remedy for any claim will be exchange of defective media within 90

days of receipt.

Recipient is granted the right to make copies in any form for

internal distribution and to freely use the information supplied

in the creation of products supporting Unicode. Unicode, Inc.

specifically excludes the right to re-distribute this file directly

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

to third parties or other organizations whether for profit or not.

enc/trans/GB/GB2312%UCS.src:

enc/trans/GB/UCS%GB2312.src:

Copyright (c) 1991-1999 Unicode, Inc. All Rights reserved.

This file is provided as-is by Unicode, Inc. (The Unicode Consortium).

No claims are made as to fitness for any particular purpose. No

warranties of any kind are expressed or implied. The recipient

agrees to determine applicability of information provided. If this

file has been provided on optical media by Unicode, Inc., the sole

remedy for any claim will be exchange of defective media within 90

days of receipt.

Unicode, Inc. hereby grants the right to freely use the information

supplied in this file in the creation of products supporting the

Unicode Standard, and to make copies of this file in any form for

internal or external distribution as long as this notice remains

attached.

enc/trans/JIS/JISX0201-KANA%UCS.src:

enc/trans/JIS/JISX0208@1990%UCS.src:

enc/trans/JIS/JISX0212%UCS.src:

enc/trans/JIS/UCS%JISX0201-KANA.src:

enc/trans/JIS/UCS%JISX0208@1990.src:

enc/trans/JIS/UCS%JISX0212.src:

© 2015 Unicode®, Inc.

For terms of use, see http://www.unicode.org/terms_of_use.html

enc/trans/JIS/JISX0213-1%UCS@BMP.src:

enc/trans/JIS/JISX0213-1%UCS@SIP.src:

enc/trans/JIS/JISX0213-2%UCS@BMP.src:

enc/trans/JIS/JISX0213-2%UCS@SIP.src:

Copyright (C) 2001 earthian@tama.or.jp, All Rights Reserved.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Copyright (C) 2001 I'O, All Rights Reserved.

Copyright (C) 2006 Project X0213, All Rights Reserved.

You can use, modify, distribute this table freely.

enc/trans/JIS/UCS@BMP%JISX0213-1.src:

enc/trans/JIS/UCS@BMP%JISX0213-2.src:

enc/trans/JIS/UCS@SIP%JISX0213-1.src:

enc/trans/JIS/UCS@SIP%JISX0213-2.src:

Copyright (C) 2001 earthian@tama.or.jp, All Rights Reserved.

Copyright (C) 2001 I'O, All Rights Reserved.

You can use, modify, distribute this table freely.

configure:

This file is free software.

Copyright (C) 1992, 93, 94, 95, 96 Free Software Foundation, Inc.

This configure script is free software; the Free Software Foundation

gives unlimited permission to copy, distribute and modify it.

tool/config.guess:

tool/config.sub:

As long as you distribute these files with the file configure, they

are covered under the Ruby's license.

Copyright (C) 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999

Free Software Foundation, Inc.

This file 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.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.
As a special exception to the GNU General Public License, if you
distribute this file as part of a program that contains a
configuration script generated by Autoconf, you may include it under
the same distribution terms that you use for the rest of that program.
parse.c:
This file is licensed under the GPL, but is incorporated into Ruby and
redistributed under the terms of the Ruby license, as permitted by the
exception to the GPL below.
Copyright (C) 1984, 1989, 1990, 2000, 2001, 2002, 2003, 2004, 2005, 2006
Free Software Foundation, Inc.
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, 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.
As a special exception, you may create a larger work that contains
part or all of the Bison parser skeleton and distribute that work
under terms of your choice, so long as that work isn't itself a
parser generator using the skeleton or a modified version thereof

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

as a parser skeleton. Alternatively, if you modify or redistribute
the parser skeleton itself, you may (at your option) remove this
special exception, which will cause the skeleton and the resulting
Bison output files to be licensed under the GNU General Public
License without this special exception.
This special exception was added by the Free Software Foundation in
version 2.2 of Bison.
util.c (partly):
Copyright (c) 1991, 2000, 2001 by Lucent Technologies.
Permission to use, copy, modify, and distribute this software for any
purpose without fee is hereby granted, provided that this entire notice
is included in all copies of any software which is or includes a copy
or modification of this software and in all copies of the supporting
documentation for such software.
THIS SOFTWARE IS BEING PROVIDED "AS IS", WITHOUT ANY EXPRESS OR IMPLIED
WARRANTY. IN PARTICULAR, NEITHER THE AUTHOR NOR LUCENT MAKES ANY
REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE MERCHANTABILITY
OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE.
win32/win32.[ch]:
You can apply the Artistic License to these files. (or GPL,
alternatively) Oracle elects the Artistic License.
Copyright (c) 1993, Intergraph Corporation
You may distribute under the terms of either the GNU General Public
License or the Artistic License, as specified in the perl README file.
util.c (partly):
Copyright (c) 2004-2008 David Schultz <das@FreeBSD.ORG>
All rights reserved.
For a copy of the BSD 2-Clause license, see BSD 2-Clause License.
random.c

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

This file is under the new-style BSD license.

A C-program for MT19937, with initialization improved 2002/2/10.

Coded by Takuji Nishimura and Makoto Matsumoto.

This is a faster version by taking Shawn Cokus's optimization,

Matthe Bellew's simplification, Isaku Wada's real version.

Before using, initialize the state by using init_genrand(seed)

or init_by_array(init_key, key_length).

Copyright (C) 1997 - 2002, Makoto Matsumoto and Takuji Nishimura,

All rights reserved.

For a copy of the BSD 3-Clause license, see BSD 3-Clause License.

Any feedback is very welcome.

http://www.math.keio.ac.jp/matumoto/emt.html

email: matumoto@math.keio.ac.jp

The Wayback Machine url: http://web.archive.org/web/19990429082237/http://www.math.keio.ac.jp/matumoto/emt.html

vm_dump.c:procstat_vm

This file is under the new-style BSD license.

Copyright (c) 2007 Robert N. M. Watson

All rights reserved.

For a copy of the BSD 3-Clause license, see BSD 3-Clause License.

$FreeBSD: head/usr.bin/procstat/procstat_vm.c 261780 2014-02-11 21:57:37Z jhb $

vsnprintf.c:

This file is under the old-style BSD license. Note that the

paragraph 3 below is now null and void.

Copyright (c) 1990, 1993

The Regents of the University of California. All rights reserved.

This code is derived from software contributed to Berkeley by

Chris Torek.

For a copy of the BSD 3-Clause license, see BSD 3-Clause License.

IMPORTANT NOTE:

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

From ftp://ftp.cs.berkeley.edu/pub/4bsd/README.Impt.License.Change

paragraph 3 above is now null and void.

st.c:

strftime.c:

include/ruby/st.h:

missing/acosh.c:

missing/alloca.c:

missing/dup2.c:

missing/erf.c:

missing/finite.c:

missing/hypot.c:

missing/isinf.c:

missing/isnan.c:

missing/lgamma_r.c:

missing/memcmp.c:

missing/memmove.c:

missing/strchr.c:

missing/strerror.c:

missing/strstr.c:

missing/strtol.c:

missing/tgamma.c:

ext/date/date_strftime.c:

ext/digest/sha1/sha1.[ch]:

ext/sdbm/_sdbm.c:

ext/sdbm/sdbm.h:

These files are all under public domain.

missing/crypt.c:

This file is under the old-style BSD license. Note that the

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

paragraph 3 below is now null and void.

Copyright (c) 1989, 1993

The Regents of the University of California. All rights reserved.

This code is derived from software contributed to Berkeley by

Tom Truscott.

For a copy of the BSD 3-Clause license, see BSD 3-Clause License.

missing/setproctitle.c

This file is under the old-style BSD license. Note that the

paragraph 3 below is now null and void.

Copyright 2003 Damien Miller

Copyright (c) 1983, 1995-1997 Eric P. Allman

Copyright (c) 1988, 1993

The Regents of the University of California. All rights reserved.

For a copy of the BSD 3-Clause license, see BSD 3-Clause License.

missing/strlcat.c

missing/strlcpy.c

These files are under an ISC-style license.

Copyright (c) 1998, 2015 Todd C. Miller <Todd.Miller@courtesan.com>

Permission to use, copy, modify, and distribute this software for any

purpose with or without fee is hereby granted, provided that the above

copyright notice and this permission notice appear in all copies.

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.

missing/langinfo.c

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

This file is from http://www.cl.cam.ac.uk/~mgk25/ucs/langinfo.c.
Ruby uses a modified version. The file contains the following
author/copyright notice:
Markus.Kuhn@cl.cam.ac.uk -- 2002-03-11
Permission to use, copy, modify, and distribute this software
for any purpose and without fee is hereby granted. The author
disclaims all warranties with regard to this software.
ext/digest/md5/md5.[ch]:
These files are under the following license. Ruby uses modified
versions of them.
Copyright (C) 1999, 2000 Aladdin Enterprises. All rights reserved.
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.
L. Peter Deutsch
ghost@aladdin.com
ext/digest/rmd160/rmd160.[ch]:
These files have the following copyright information, and by the
author we are allowed to use it under the new-style BSD license.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

AUTHOR: Antoon Bosselaers, ESAT-COSIC

(Arranged for libc by Todd C. Miller)

DATE: 1 March 1996

Copyright (c) Katholieke Universiteit Leuven

1996, All Rights Reserved

ext/digest/sha2/sha2.[ch]:

These files are under the new-style BSD license.

Copyright 2000 Aaron D. Gifford. All rights reserved.

For a copy of the BSD 3-Clause license, see BSD 3-Clause License.

ext/json/generator/generator.c:

Copyright 2001-2004 Unicode, Inc.

Disclaimer

This source code is provided as is by Unicode, Inc. No claims are made as to fitness for any particular purpose. No warranties of any kind are expressed or implied. The recipient agrees to determine applicability of information provided. If this file has been purchased on magnetic or optical media from Unicode, Inc., the sole remedy for any claim will be exchange of defective media within 90 days of receipt.

Limitations on Rights to Redistribute This Code

Unicode, Inc. hereby grants the right to freely use the information supplied in this file in the creation of products supporting the Unicode Standard, and to make copies of this file in any form for internal or external distribution as long as this notice remains attached.

ext/nkf/nkf-utf8/config.h:

ext/nkf/nkf-utf8/nkf.c:

ext/nkf/nkf-utf8/utf8tbl.c:

These files are under the following license. So to speak, it is

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

copyrighted semi-public-domain software.

Copyright (C) 1987, Fujitsu LTD. (Itaru ICHIKAWA)

Everyone is permitted to do anything on this program

including copying, modifying, improving,

as long as you don't try to pretend that you wrote it.

i.e., the above copyright notice has to appear in all copies.

Binary distribution requires original version messages.

You don't have to ask before copying, redistribution or publishing.

THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE.

ext/socket/addrinfo.h:

ext/socket/getaddrinfo.c:

ext/socket/getnameinfo.c:

These files are under the new-style BSD license.

Copyright (C) 1995, 1996, 1997, 1998, and 1999 WIDE Project.

All rights reserved.

For a copy of the BSD 3-Clause license, see BSD 3-Clause License.

ext/win32ole/win32ole.c:

You can apply the Artistic License to this file. (or GPL, alternatively)

Oracle elects the Artistic License.

(c) 1995 Microsoft Corporation. All rights reserved.

Developed by ActiveWare Internet Corp., http://www.ActiveWare.com

Other modifications Copyright (c) 1997, 1998 by Gurusamy Sarathy

<gsar@umich.edu> and Jan Dubois <jan.dubois@ibm.net>

You may distribute under the terms of either the GNU General Public

License or the Artistic License, as specified in the README file

of the Perl distribution.

The Wayback Machine url: http://web.archive.org/web/19970607104352/http://www.activeware.com:80/

lib/rdoc/generator/template/darkfish/css/fonts.css:

This file is licensed under the SIL Open Font License.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

http://scripts.sil.org/OFL

Sarissa License

All JavaScript files have the same license information at the top of the files as below:

Copyright 2004-2008 Emmanouil Batsis

* ==

* Licence

* ==

* Sarissa is free software distributed under the GNU GPL version 2 (see gpl.txt) or higher,

* GNU LGPL version 2.1 (see lgpl.txt) or higher and Apache Software License 2.0 or higher

* (see asl.txt). This means you can choose one of the three and use that if you like. If

* you make modifications under the ASL, i would appreciate it if you submitted those.

* In case your copy of Sarissa does not include the license texts, you may find

* them online in various formats at http://www.gnu.org and

* http://www.apache.org.

Oracle elects the Apache 2.0 license.

*

* 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.

*/

Sarissa 0.9.9.7 CSS files include below license information:

Licensed to the Apache Software Foundation (ASF) under one

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

or more contributor license agreements. See the NOTICE file
distributed with this work for additional information
regarding copyright ownership. The ASF licenses this file
to you 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.

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

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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]

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

Scintilla License

license.txt file from download package License for Scintilla and SciTE
Copyright 1998-2003 by Neil Hodgson <neilh@scintilla.org>
All Rights Reserved
Permission to use, copy, modify, and distribute this software and its
documentation for any purpose and without fee is hereby granted,
provided that the above copyright notice appear in all copies and that
both that copyright notice and this permission notice appear in
supporting documentation.
NEIL HODGSON DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS
SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY
AND FITNESS, IN NO EVENT SHALL NEIL HODGSON BE LIABLE FOR ANY
SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES
WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS,
WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER
TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE
OR PERFORMANCE OF THIS SOFTWARE.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

SLF4J Fourth-Party Licenses

4th party dependencies distributed by PeopleSoft for SLF4J:

---

ch.qos.cal10n call0n-api 0.7.4

COPYRIGHT and LICENSE:

Copyright (c) 2009 QOS.ch

All rights reserved.

For a copy of the MIT license, see MIT License.

Apache Log4j » 1.2.16

COPYRIGHT: Copyright 2007 The Apache Software Foundation

For a copy of the Apache license, see Apache License, Version 2.0.

smack-core Copyrights and Fourth-Party Licenses

List of the various copyrights found within the smack-core module, and 4th party dependencies distributed by PeopleSoft for it:

@author Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\SmackException.java

smack-core\src\main\java\org\jivesoftware\smack\UnparseableStanza.java

smack-core\src\main\java\org\jivesoftware\smack\compression\Java7ZlibInputOutputStream.java

smack-core\src\main\java\org\jivesoftware\smack\filter\FlexibleStanzaTypeFilter.java

smack-core\src\main\java\org\jivesoftware\smack\filter\jidtype\AbstractJidTypeFilter.java

smack-core\src\main\java\org\jivesoftware\smack\filter\jidtype\FromJidTypeFilter.java

smack-core\src\main\java\org\jivesoftware\smack\initializer\UrlInitializer.java

smack-core\src\main\java\org\jivesoftware\smack\packet\Nonza.java

smack-core\src\main\java\org\jivesoftware\smack\packet\StandardExtensionElement.java

smack-core\src\main\java\org\jivesoftware\smack\parsing\ExceptionThrowingCallback.java

smack-core\src\main\java\org\jivesoftware\smack\parsing\ExceptionThrowingCallbackWithHint.java

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

smack-core\src\main\java\org\jivesoftware\smack\parsing\ParsingExceptionCallback.java

smack-core\src\main\java\org\jivesoftware\smack\parsing\StandardExtensionElementProvider.java

smack-core\src\main\java\org\jivesoftware\smack\provider\Provider.java

smack-core\src\main\java\org\jivesoftware\smack\sasl\SASLMechanism.java

smack-core\src\main\java\org\jivesoftware\smack\sasl\core\ScramPlusMechanism.java

smack-core\src\main\java\org\jivesoftware\smack\util\DNSUtil.java

smack-core\src\main\java\org\jivesoftware\smack\util\dns\SRVRecord.java

smack-core\src\main\java\org\jivesoftware\smack\util\stringencoder\Base32.java

smack-core\src\main\java\org\jivesoftware\smack\util\stringencoder\StringEncoder.java

Copyright 2013 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\compression\XMPPInputOutputStream.java

smack-core\src\main\java\org\jivesoftware\smack\parsing\ExceptionLoggingCallback.java

Copyright 2013-2014 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\util\stringencoder\StringEncoder.java

Copyright 2013-2015 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\UnparseableStanza.java

smack-core\src\main\java\org\jivesoftware\smack\parsing\ExceptionLoggingCallback.java

smack-core\src\main\java\org\jivesoftware\smack\parsing\ExceptionThrowingCallback.java

smack-core\src\main\java\org\jivesoftware\smack\parsing\ParsingExceptionCallback.java

Copyright 2013-2018 Florian Schmaus

Smack-core\src\main\java\org\jivesoftware\smack\compression\Java7ZlibInputOutputStream.java

smack-core\src\main\java\org\jivesoftware\smack\util\dns\DNSResolver.java

smack-core\src\main\java\org\jivesoftware\smack\util\dns\SRVRecord.java

Copyright Â© 2013-2018 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\util\dns\HostAddress.java

Copyright 2014 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\filter\PresenceTypeFilter.java

smack-core\src\main\java\org\jivesoftware\smack\sasl\SASLErrorException.java

smack-core\src\main\java\org\jivesoftware\smack\util\ArrayBlockingQueueWithShutdown.java

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

smack-core\src\main\java\org\jivesoftware\smack\util\Async.java

Copyright Â© 2014 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\MessageListener.java

smack-core\src\main\java\org\jivesoftware\smack\PresenceListener.java

smack-core\src\main\java\org\jivesoftware\smack\filter\MessageWithBodiesFilter.java

smack-core\src\main\java\org\jivesoftware\smack\filter\MessageWithSubjectFilter.java

smack-core\src\main\java\org\jivesoftware\smack\filter\ToFilter.java

smack-core\src\main\java\org\jivesoftware\smack\packet\EmptyResultIQ.java

smack-core\src\main\java\org\jivesoftware\smack\packet\ErrorIQ.java

smack-core\src\main\java\org\jivesoftware\smack\packet\Mechanisms.java

smack-core\src\main\java\org\jivesoftware\smack\packet\NamedElement.java

smack-core\src\main\java\org\jivesoftware\smack\packet\SimpleIQ.java

smack-core\src\main\java\org\jivesoftware\smack\packet\StartTls.java

smack-core\src\main\java\org\jivesoftware\smack\packet\StreamOpen.java

smack-core\src\main\java\org\jivesoftware\smack\packet\TopLevelStreamElement.java

smack-core\src\main\java\org\jivesoftware\smack\provider\StreamFeatureProviderInfo.java

smack-core\src\main\java\org\jivesoftware\smack\util\ByteUtils.java

smack-core\src\main\java\org\jivesoftware\smack\util\MAC.java

smack-core\src\main\java\org\jivesoftware\smack\util\MD5.java

smack-core\src\main\java\org\jivesoftware\smack\util\PacketUtil.java

smack-core\src\main\java\org\jivesoftware\smack\util\ParserUtils.java

smack-core\src\main\java\org\jivesoftware\smack\util\SHA1.java

smack-core\src\test\java\org\jivesoftware\smack\StanzaIdTest.java

smack-core\src\test\java\org\jivesoftware\smack\packet\TestIQ.java

smack-core\src\test\java\org\jivesoftware\smack\provider\ProviderManagerTest.java

smack-core\src\test\java\org\jivesoftware\smack\test\util\CharSequenceEquals.java

smack-core\src\test\java\org\jivesoftware\smack\test\util\SmackTestSuite.java

smack-core\src\test\java\org\jivesoftware\smack\util\stringencoder\Base64Test.java

Copyright 2014-2015 Florian Schmaus

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

smack-core\src\main\java\org\jivesoftware\smack\SmackException.java

smack-core\src\main\java\org\jivesoftware\smack\packet\AbstractError.java

Copyright Â© 2014-2015 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\compress\packet\Compress.java

smack-core\src\main\java\org\jivesoftware\smack\compress\packet\Compressed.java

smack-core\src\main\java\org\jivesoftware\smack\filter\FlexibleStanzaTypeFilter.java

smack-core\src\main\java\org\jivesoftware\smack\packet\Nonza.java

smack-core\src\main\java\org\jivesoftware\smack\util\stringencoder\Base64.java

smack-core\src\main\java\org\jivesoftware\smack\util\stringencoder\Base64UrlSafeEncoder.java

Copyright 2014-2016 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\sasl\SASLError.java

smack-core\src\main\java\org\jivesoftware\smack\sasl\core\SASLXOauth2Mechanism.java

smack-core\src\main\java\org\jivesoftware\smack\util\TLSUtils.java

smack-core\src\test\java\org\jivesoftware\smack\sasl\core\SCRAMSHA1MechanismTest.java

Copyright Â© 2014-2016 Florian Schmaus

smack-core\src\test\java\org\jivesoftware\smack\sasl\AbstractSaslTest.java

Copyright 2014-2017 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\debugger\JulDebugger.java

smack-core\src\main\java\org\jivesoftware\smack\sasl\core\ScramMechanism.java

smack-core\src\main\java\org\jivesoftware\smack\util\LazyStringBuilder.java

Copyright Â© 2014-2017 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\ExceptionCallback.java

smack-core\src\main\java\org\jivesoftware\smack\sasl\core\SCRAMSHA1Mechanism.java

smack-core\src\test\java\org\jivesoftware\smack\sasl\DigestMd5SaslTest.java

Copyright 2014-2018 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\Manager.java

smack-core\src\main\java\org\jivesoftware\smack\XMPPConnectionRegistry.java

smack-core\src\main\java\org\jivesoftware\smack\initializer\UrlInitializer.java

smack-core\src\main\java\org\jivesoftware\smack\provider\Provider.java

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

smack-core\src\main\java\org\jivesoftware\smack\sasl\packet\SaslStreamElements.java

smack-core\src\main\java\org\jivesoftware\smack\util\XmlStringBuilder.java

smack-core\src\test\java\org\jivesoftware\smack\test\util\XmlUnitUtils.java

Copyright Â© 2014-2018 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\packet\Element.java

smack-core\src\main\java\org\jivesoftware\smack\provider\IntrospectionProvider.java

smack-core\src\test\java\org\jivesoftware\smack\SmackExceptionTest.java

Copyright Â© 2014-2019 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\SynchronizationPoint.java

Copyright 2015 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\AbstractConnectionClosedListener.java

smack-core\src\main\java\org\jivesoftware\smack\package-info.java

smack-core\src\main\java\org\jivesoftware\smack\compress\package-info.java

smack-core\src\main\java\org\jivesoftware\smack\compress\packet\package-info.java

smack-core\src\main\java\org\jivesoftware\smack\compression\package-info.java

smack-core\src\main\java\org\jivesoftware\smack\debugger\package-info.java

smack-core\src\main\java\org\jivesoftware\smack\filter\AbstractListFilter.java

smack-core\src\main\java\org\jivesoftware\smack\filter\IQResultReplyFilter.java

smack-core\src\main\java\org\jivesoftware\smack\filter\package-info.java

smack-core\src\main\java\org\jivesoftware\smack\filter\jidtype\AbstractJidTypeFilter.java

smack-core\src\main\java\org\jivesoftware\smack\filter\jidtype\FromJidTypeFilter.java

smack-core\src\main\java\org\jivesoftware\smack\filter\jidtype\package-info.java

smack-core\src\main\java\org\jivesoftware\smack\initializer\package-info.java

smack-core\src\main\java\org\jivesoftware\smack\iqrequest\AbstractIqRequestHandler.java

smack-core\src\main\java\org\jivesoftware\smack\iqrequest\IQRequestHandler.java

smack-core\src\main\java\org\jivesoftware\smack\iqrequest\package-info.java

smack-core\src\main\java\org\jivesoftware\smack\packet\package-info.java

smack-core\src\main\java\org\jivesoftware\smack\packet\StandardExtensionElement.java

smack-core\src\main\java\org\jivesoftware\smack\packet\id\package-info.java

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

smack-core\src\main\java\org\jivesoftware\smack\parsing\package-info.java

smack-core\src\main\java\org\jivesoftware\smack\parsing\StandardExtensionElementProvider.java

smack-core\src\main\java\org\jivesoftware\smack\provider\package-info.java

smack-core\src\main\java\org\jivesoftware\smack\proxy\package-info.java

smack-core\src\main\java\org\jivesoftware\smack\sasl\package-info.java

smack-core\src\main\java\org\jivesoftware\smack\sasl\core\package-info.java

smack-core\src\main\java\org\jivesoftware\smack\sasl\packet\package-info.java

smack-core\src\main\java\org\jivesoftware\smack\util\CollectionUtil.java

smack-core\src\main\java\org\jivesoftware\smack\util\EventManger.java

smack-core\src\main\java\org\jivesoftware\smack\util\package-info.java

smack-core\src\main\java\org\jivesoftware\smack\util\SystemUtil.java

smack-core\src\main\java\org\jivesoftware\smack\util\TypedCloneable.java

smack-core\src\main\java\org\jivesoftware\smack\util\dns\package-info.java

smack-core\src\main\java\org\jivesoftware\smack\util\stringencoder\package-info.java

smack-core\src\test\java\org\jivesoftware\smack\filter\FilterToStringTest.java

smack-core\src\test\java\org\jivesoftware\smack\test\util\WaitForPacketListener.java

Copyright Â© 2015 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\util\MultiMap.java

smack-core\src\main\java\org\jivesoftware\smack\util\NumberUtil.java

Copyright 2015-2016 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\proxy\ProxySocketConnection.java

smack-core\src\main\java\org\jivesoftware\smack\util\dns\SmackDaneProvider.java

smack-core\src\main\java\org\jivesoftware\smack\util\dns\SmackDaneVerifier.java

Copyright Â© 2015-2016 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\packet\UnparsedIQ.java

Copyright 2015-2017 Florian Schmaus

smack-core\src\test\java\org\jivesoftware\smack\parsing\StandardExtensionElementParserTest.java

Copyright 2015-2018 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\util\Objects.java

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Copyright 2016 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\sasl\core\ScramHmac.java

smack-core\src\main\java\org\jivesoftware\smack\sasl\core\ScramPlusMechanism.java

smack-core\src\test\java\org\jivesoftware\smack\util\NetworkUtil.java

Copyright Â© 2016 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\filter\EmptyToMatcher.java

Copyright 2016-2017 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\sasl\core\ScramSha1PlusMechanism.java

Copyright Â© 2016-2017 Florian Schmaus

smack-core\src\test\java\org\jivesoftware\smack\packet\ToStringTest.java

Copyright 2017 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\ReconnectionListener.java

smack-core\src\main\java\org\jivesoftware\smack\filter\AbstractFromToMatchesFilter.java

smack-core\src\main\java\org\jivesoftware\smack\filter\MessageWithThreadFilter.java

smack-core\src\main\java\org\jivesoftware\smack\filter\ToMatchesFilter.java

smack-core\src\main\java\org\jivesoftware\smack\util\CallbackRecipient.java

smack-core\src\main\java\org\jivesoftware\smack\util\ExceptionCallback.java

smack-core\src\main\java\org\jivesoftware\smack\util\SuccessCallback.java

smack-core\src\test\java\org\jivesoftware\smack\SmackFutureTest.java

smack-core\src\test\java\org\jivesoftware\smack\util\XmlUtilTest.java

Copyright Â© 2017 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\packet\AbstractTextElement.java

smack-core\src\main\java\org\jivesoftware\smack\packet\StanzaErrorTextElement.java

Copyright 2017-2018 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\SmackFuture.java

smack-core\src\main\java\org\jivesoftware\smack\filter\AbstractJidTypeFilter.java

smack-core\src\main\java\org\jivesoftware\smack\filter\FromTypeFilter.java

smack-core\src\main\java\org\jivesoftware\smack\filter\ToTypeFilter.java

smack-core\src\main\java\org\jivesoftware\smack\util\XmlUtil.java

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Copyright 2018 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\AsyncButOrdered.java

smack-core\src\main\java\org\jivesoftware\smack\parsing\ExceptionThrowingCallbackWithHint.java

smack-core\src\test\java\org\jivesoftware\smack\ConnectionConfigurationTest.java

smack-core\src\test\java\org\jivesoftware\smack\util\DnsUtilTest.java

Copyright 2003-2005 Jive Software, 2016-2018 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\util\DNSUtil.java

Copyright Â© 2003-2007 Jive Software, 2014 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\provider\BindIQProvider.java

Copyright 2003-2007 Jive Software, 2014-2016 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\SmackInitialization.java

Copyright 2003-2007 Jive Software, 2014-2018 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\sasl\SASLMechanism.java

Copyright 2003-2007 Jive Software, 2015 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\packet\id\StanzaIdUtil.java

Copyright 2003-2007 Jive Software, 2015-2016 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\packet\Bind.java

Copyright 2003-2007 Jive Software, 2015-2018 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\packet\StanzaError.java

Copyright 2003-2007 Jive Software, 2016-2018 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\StanzaCollector.java

smack-core\src\main\java\org\jivesoftware\smack\util\StringUtils.java

Copyright 2003-2007 Jive Software, 2017 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\debugger\SmackDebugger.java

Copyright 2003-2007 Jive Software, 2017-2018 Florian Schmaus

Smack-4.3.3\smack-core\src\main\java\org\jivesoftware\smack\ConnectionConfiguration.java

Copyright 2003-2014 Jive Software, 2017 Florian Schmaus

smack-core\src\main\java\org\jivesoftware\smack\filter\FromMatchesFilter.java

Copyright 2014 Vyacheslav Blinov, 2017 Florian Schmaus

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

smack-core\src\main\java\org\jivesoftware\smack\debugger\ReflectionDebuggerFactory.java

smack-core\src\main\java\org\jivesoftware\smack\debugger\SmackDebuggerFactory.java

Copyright the original author or authors

smack-core\src\main\java\org\jivesoftware\smack\ReconnectionManager.java

smack-core\src\main\java\org\jivesoftware\smack\debugger\AbstractDebugger.java

smack-core\src\main\java\org\jivesoftware\smack\debugger\ConsoleDebugger.java

smack-core\src\main\java\org\jivesoftware\smack\initializer\SmackInitializer.java

smack-core\src\main\java\org\jivesoftware\smack\initializer\VmArgInitializer.java

smack-core\src\main\java\org\jivesoftware\smack\provider\AbstractProviderInfo.java

smack-core\src\main\java\org\jivesoftware\smack\provider\EmbeddedExtensionProvider.java

smack-core\src\main\java\org\jivesoftware\smack\provider\ExtensionProviderInfo.java

smack-core\src\main\java\org\jivesoftware\smack\provider\IQProviderInfo.java

smack-core\src\main\java\org\jivesoftware\smack\provider\ProviderFileLoader.java

smack-core\src\main\java\org\jivesoftware\smack\provider\ProviderLoader.java

smack-core\src\main\java\org\jivesoftware\smack\proxy\HTTPProxySocketConnection.java

smack-core\src\main\java\org\jivesoftware\smack\proxy\ProxyException.java

smack-core\src\main\java\org\jivesoftware\smack\proxy\ProxyInfo.java

smack-core\src\main\java\org\jivesoftware\smack\proxy\Socks4ProxySocketConnection.java

smack-core\src\main\java\org\jivesoftware\smack\proxy\Socks5ProxySocketConnection.java

smack-core\src\main\java\org\jivesoftware\smack\sasl\core\SASLAnonymous.java

smack-core\src\main\java\org\jivesoftware\smack\util\CleaningWeakReferenceMap.java

smack-core\src\main\java\org\jivesoftware\smack\util\FileUtils.java

smack-core\src\main\java\org\jivesoftware\smack\util\stringencoder\Base32.java

smack-core\src\test\java\org\jivesoftware\smack\SmackConfigurationTest.java

smack-core\src\test\java\org\jivesoftware\smack\StanzaCollectorTest.java

smack-core\src\test\java\org\jivesoftware\smack\ThreadedDummyConnection.java

smack-core\src\test\java\org\jivesoftware\smack\packet\StreamErrorTest.java

smack-core\src\test\java\org\jivesoftware\smack\parsing\ParsingExceptionTest.java

smack-core\src\test\java\org\jivesoftware\smack\provider\ProviderConfigTest.java

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Copyright 2009 the original author or authors

smack-core\src\main\java\org\jivesoftware\smack\AbstractConnectionListener.java

@author Robin Collier

smack-core\src\main\java\org\jivesoftware\smack\initializer\SmackInitializer.java

smack-core\src\main\java\org\jivesoftware\smack\initializer\VmArgInitializer.java

smack-core\src\main\java\org\jivesoftware\smack\provider\EmbeddedExtensionProvider.java

smack-core\src\main\java\org\jivesoftware\smack\provider\ExtensionProviderInfo.java

smack-core\src\main\java\org\jivesoftware\smack\provider\IQProviderInfo.java

smack-core\src\main\java\org\jivesoftware\smack\provider\ProviderFileLoader.java

smack-core\src\main\java\org\jivesoftware\smack\provider\ProviderLoader.java

smack-core\src\test\java\org\jivesoftware\smack\ThreadedDummyConnection.java

smack-core\src\test\java\org\jivesoftware\smack\filter\FromMatchesFilterTest.java

Copyright 2011 Robin Collier

smack-core\src\test\java\org\jivesoftware\smack\filter\FromMatchesFilterTest.java

Copyright 2013 Robin Collier

smack-core\src\test\java\org\jivesoftware\smack\test\util\TestUtils.java

@author Lars Noschinski

smack-core\src\main\java\org\jivesoftware\smack\filter\IQReplyFilter.java

Copyright 2014 Lars Noschinski

smack-core\src\main\java\org\jivesoftware\smack\filter\IQReplyFilter.java

Copyright Â© 2017 Ingo Bauersachs

smack-core\src\test\java\org\jivesoftware\smack\packet\XMPPErrorTest.java

Fourth-party Dependencies in smack-core module

import org.minidns: https://github.com/MiniDNS/minidns

Imported by these smack-core modules:

smack-core\src\main\java\org\jivesoftware\smack\util\DNSUtil.java

smack-core\src\main\java\org\jivesoftware\smack\util\dns\SRVRecord.java

smack-core\src\main\java\org\jivesoftware\smack\util\dns\DNSResolver.java

smack-core\src\main\java\org\jivesoftware\smack\util\dns\SRVRecord.java

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

smack-core\src\main\java\org\jivesoftware\smack\util\dns\HostAddress.java

smack-core\src\main\java\org\jivesoftware\smack\util\DNSUtil.java

smack-core\src\main\java\org\jivesoftware\smack\ConnectionConfiguration.java

See Appendix A for minidns License Information

import org.xmlpull.v1: https://github.com/xmlpull-org/xmlpull-api-v1

Imported by these smack-core modules:

smack-core\src\main\java\org\jivesoftware\smack\parsing\StandardExtensionElementProvider.java

smack-core\src\main\java\org\jivesoftware\smack\provider\Provider.java

smack-core\src\main\java\org\jivesoftware\smack\util\ParserUtils.java

smack-core\src\main\java\org\jivesoftware\smack\provider\IntrospectionProvider.java

smack-core\src\main\java\org\jivesoftware\smack\parsing\StandardExtensionElementProvider.java

smack-core\src\main\java\org\jivesoftware\smack\provider\BindIQProvider.java

smack-core\src\main\java\org\jivesoftware\smack\SmackInitialization.java

smack-core\src\main\java\org\jivesoftware\smack\provider\EmbeddedExtensionProvider.java

smack-core\src\main\java\org\jivesoftware\smack\provider\ProviderFileLoader.java

See Appendix B for xmlpull.v1 License Information

Appendix A - minidns License Information

https://github.com/MiniDNS/minidns/blob/master/LICENCE

This software may be used under the terms of (at your choice)

- LGPL version 2 (or later) (see LICENCE_LGPL2.1 for details)

- Apache Software licence (see LICENCE_APACHE for details)

- WTFPL (see LICENCE_WTFPL for details)

Oracle elects the Apache 2.0 License.

https://github.com/MiniDNS/minidns/blob/master/LICENCE_LGPL2.1

For a copy of the GNU LESSER GENERAL PUBLIC LICENSE, see GNU Lesser General Public License, Version 2.1

https://github.com/MiniDNS/minidns/blob/master/LICENCE_APACHE

For a copy of the Apache license, see Apache License, Version 2.0.

https://github.com/MiniDNS/minidns/blob/master/LICENCE_WTFPL

DO WHAT THE FUCK YOU WANT TO PUBLIC LICENSE

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Version 2, December 2004

Copyright (C) 2014 Rene Treffer

Everyone is permitted to copy and distribute verbatim or modified

copies of this license document, and changing it is allowed as long

as the name is changed.

DO WHAT THE FUCK YOU WANT TO PUBLIC LICENSE

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. You just DO WHAT THE FUCK YOU WANT TO.

Appendix B - xmlpull.v1 License Information

https://github.com/xmlpull-org/xmlpull-api-v1/blob/master/LICENSE.txt

XMLPULL API IS FREE

All of the XMLPULL API source code, compiled code, and documentation

contained in this distribution *except* for tests (see separate LICENSE_TESTS.txt)

are in the Public Domain.

XMLPULL API comes with NO WARRANTY or guarantee of fitness for any purpose.

Initial authors:

Stefan Haustein

Aleksander Slominski

2001-12-12

smack-im Copyrights and Fourth-Party Licenses

List of the various copyrights found within the smack-im module, and 4th party dependencies distributed by PeopleSoft for it:

@author Florian Schmaus

smack-im\src\main\java\org\jivesoftware\smack\roster\RosterEntry.java

smack-im\src\main\java\org\jivesoftware\smack\roster\packet\RosterPacket.java

smack-im\src\main\java\org\jivesoftware\smack\roster\rosterstore\DirectoryRosterStore.java

@author Lars Noschinski

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

smack-im\src\main\java\org\jivesoftware\smack\roster\rosterstore\DirectoryRosterStore.java

smack-im\src\test\java\org\jivesoftware\smack\roster\RosterVersioningTest.java

smack-im\src\test\java\org\jivesoftware\smack\roster\rosterstore\DirectoryRosterStoreTest.java

Copyright the original author or authors

smack-im\src\main\java\org\jivesoftware\smack\roster\rosterstore\RosterStore.java

smack-im\src\test\java\org\jivesoftware\smack\roster\RosterOfflineTest.java

smack-im\src\test\java\org\jivesoftware\smack\roster\RosterVersioningTest.java

smack-im\src\test\java\org\jivesoftware\smack\roster\rosterstore\DirectoryRosterStoreTest.java

Copyright 2013-2015 the original author or authors

smack-im\src\main\java\org\jivesoftware\smack\roster\rosterstore\DirectoryRosterStore.java

Copyright Â© 2003-2007 Jive Software, 2014-2015 Florian Schmaus

smack-im\src\main\java\org\jivesoftware\smack\roster\provider\RosterPacketProvider.java

Copyright 2003-2007 Jive Software, 2016-2017 Florian Schmaus

smack-im\src\main\java\org\jivesoftware\smack\roster\Roster.java

Copyright Â© 2014 Florian Schmaus

smack-im\src\main\java\org\jivesoftware\smack\roster\packet\RosterVer.java

Copyright 2015 Florian Schmaus

smack-im\src\main\java\org\jivesoftware\smack\chat\package-info.java

smack-im\src\main\java\org\jivesoftware\smack\im\package-info.java

smack-im\src\main\java\org\jivesoftware\smack\roster\AbstractRosterListener.java

smack-im\src\main\java\org\jivesoftware\smack\roster\package-info.java

smack-im\src\main\java\org\jivesoftware\smack\roster\RosterLoadedListener.java

smack-im\src\main\java\org\jivesoftware\smack\roster\packet\package-info.java

smack-im\src\main\java\org\jivesoftware\smack\roster\provider\package-info.java

smack-im\src\main\java\org\jivesoftware\smack\roster\rosterstore\package-info.java

smack-im\src\test\java\org\jivesoftware\smack\im\InitSmackIm.java

smack-im\src\test\java\org\jivesoftware\smack\im\SmackImInitializerTest.java

Copyright Â© 2015 Florian Schmaus

smack-im\src\main\java\org\jivesoftware\smack\im\SmackImInitializer.java

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

smack-im\src\main\java\org\jivesoftware\smack\roster\provider\RosterVerStreamFeatureProvider.java

Copyright 2015-2016 Florian Schmaus

smack-im\src\main\java\org\jivesoftware\smack\roster\RosterEntries.java

smack-im\src\main\java\org\jivesoftware\smack\roster\RosterUtil.java

Copyright 2015-2017 Florian Schmaus

smack-im\src\main\java\org\jivesoftware\smack\roster\SubscribeListener.java

Copyright © 2015 Tomáš Havlas

smack-im\src\main\java\org\jivesoftware\smack\roster\packet\SubscriptionPreApproval.java

smack-im\src\main\java\org\jivesoftware\smack\roster\provider
\SubscriptionPreApprovalStreamFeatureProvider.java

smack-im\src\test\java\org\jivesoftware\smack\roster\SubscriptionPreApprovalTest.java

smack-im\src\test\java\org\jivesoftware\smack\roster\SubscriptionPreApprovalTest.java

Copyright 2016 Florian Schmaus

smack-im\src\main\java\org\jivesoftware\smack\roster\AbstractPresenceEventListener.java

smack-im\src\main\java\org\jivesoftware\smack\roster\PresenceEventListener.java

Fourth-party Dependencies in smack-im module

import org.xmlpull.v1: https://github.com/xmlpull-org/xmlpull-api-v1

Imported by these smack-im modules:

smack-im\src\main\java\org\jivesoftware\smack\roster\rosterstore\DirectoryRosterStore.java

smack-im\src\main\java\org\jivesoftware\smack\roster\provider\RosterPacketProvider.java

smack-im\src\main\java\org\jivesoftware\smack\roster\provider\RosterVerStreamFeatureProvider.java

smack-im\src\main\java\org\jivesoftware\smack\roster\provider
\SubscriptionPreApprovalStreamFeatureProvider.java

xmlpull.v1 License Information

https://github.com/xmlpull-org/xmlpull-api-v1/blob/master/LICENSE.txt

XMLPULL API IS FREE

All of the XMLPULL API source code, compiled code, and documentation

contained in this distribution *except* for tests (see separate LICENSE_TESTS.txt)

are in the Public Domain.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

XMLPULL API comes with NO WARRANTY or guarantee of fitness for any purpose.

Initial authors:

Stefan Haustein

Aleksander Slominski

2001-12-12

---

smack-resolver-dnsjava Copyrights and Fourth-Party Licenses

List of the various copyrights found within the smack-resolver-dnsjava module, and 4th party dependencies distributed by PeopleSoft for it:

Copyright 2013-2018 Florian Schmaus

smack-resolver-dnsjava\src\main\java\org\jivesoftware\smack\util\dns\dnsjava\DNSJavaResolver.java

Copyright 2015 Florian Schmaus

smack-resolver-dnsjava\src\main\java\org\jivesoftware\smack\util\package-info.java

smack-resolver-dnsjava\src\main\java\org\jivesoftware\smack\util\dns\package-info.java

smack-resolver-dnsjava\src\main\java\org\jivesoftware\smack\util\dns\dnsjava\package-info.java

Fourth-party Dependencies in smack-resolver-dnsjava module

import org.minidns: https://github.com/MiniDNS/minidns

Imported by this smack-resolver-dnsjava module:

smack-resolver-dnsjava\src\main\java\org\jivesoftware\smack\util\dns\dnsjava\DNSJavaResolver.java

See Appendix A for minidns License Information

import org.xbill.DNS: https://github.com/dnsjava/dnsjava

Imported by this smack-resolver-dnsjava module:

smack-resolver-dnsjava\src\main\java\org\jivesoftware\smack\util\dns\dnsjava\DNSJavaResolver.java

See Appendix B for dnsjava License Information

Appendix A - minidns License Information

https://github.com/MiniDNS/minidns/blob/master/LICENCE

This software may be used under the terms of (at your choice)

- LGPL version 2 (or later) (see LICENCE_LGPL2.1 for details)

- Apache Software licence (see LICENCE_APACHE for details)

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

- WTFPL (see LICENCE_WTFPL for details)

Oracle elects the Apache 2.0 License.

https://github.com/MiniDNS/minidns/blob/master/LICENCE_LGPL2.1

For a copy of the GNU LESSER GENERAL PUBLIC LICENSE, see GNU Lesser General Public License, Version 2.1.

https://github.com/MiniDNS/minidns/blob/master/LICENCE_APACHE

For a copy of the Apache license, see Apache License, Version 2.0.

https://github.com/MiniDNS/minidns/blob/master/LICENCE_WTFPL

DO WHAT THE FUCK YOU WANT TO PUBLIC LICENSE

Version 2, December 2004

Copyright (C) 2014 Rene Treffer

Everyone is permitted to copy and distribute verbatim or modified

copies of this license document, and changing it is allowed as long

as the name is changed.

DO WHAT THE FUCK YOU WANT TO PUBLIC LICENSE

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. You just DO WHAT THE FUCK YOU WANT TO.

Appendix B - dnsjava License Information

https://github.com/dnsjava/dnsjava/blob/master/LICENSE

Copyright (c) 1998-2011, Brian Wellington.

All rights reserved.

Redistribution and use in source and binary forms, with or without

modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice,

this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice,

this list of conditions and the following disclaimer in the documentation

and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

---

smack-resolver-minidns Copyrights and Fourth-Party Licenses

List of the various copyrights found within the smack-resolver-minidns module, and 4th party dependencies distributed by PeopleSoft for it:

Copyright 2014-2017 Florian Schmaus

smack-resolver-minidns\src\main\java\org\jivesoftware\smack\util\dns\minidns\MiniDnsResolver.java

Copyright 2015 Florian Schmaus

smack-resolver-minidns\src\main\java\org\jivesoftware\smack\util\package-info.java

smack-resolver-minidns\src\main\java\org\jivesoftware\smack\util\dns\package-info.java

smack-resolver-minidns\src\main\java\org\jivesoftware\smack\util\dns\minidns\package-info.java

Copyright 2015-2016 Florian Schmaus

smack-resolver-minidns\src\main\java\org\jivesoftware\smack\util\dns\minidns\MiniDnsDane.java

smack-resolver-minidns\src\main\java\org\jivesoftware\smack\util\dns\minidns
\MiniDnsDaneVerifier.java

Fourth-party Dependencies in smack-resolver-minidns module

import org.minidns: https://github.com/MiniDNS/minidns

Imported by these smack-resolver-minidns modules:

smack-resolver-minidns\src\main\java\org\jivesoftware\smack\util\dns\minidns\MiniDnsResolver.java

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

smack-resolver-minidns\src\main\java\org\jivesoftware\smack\util\dns\minidns
\MiniDnsDaneVerifier.java

Appendix A - minidns License Information

https://github.com/MiniDNS/minidns/blob/master/LICENCE

This software may be used under the terms of (at your choice)

- LGPL version 2 (or later) (see LICENCE_LGPL2.1 for details)

- Apache Software licence (see LICENCE_APACHE for details)

- WTFPL (see LICENCE_WTFPL for details)

Oracle elects the Apache License.

https://github.com/MiniDNS/minidns/blob/master/LICENCE_LGPL2.1

For a copy of the GNU LESSER GENERAL PUBLIC LICENSE, see GNU Lesser General Public License, Version 2.1.

https://github.com/MiniDNS/minidns/blob/master/LICENCE_APACHE

For a copy of the Apache license, see Apache License, Version 2.0.

https://github.com/MiniDNS/minidns/blob/master/LICENCE_WTFPL

DO WHAT THE FUCK YOU WANT TO PUBLIC LICENSE

Version 2, December 2004

Copyright (C) 2014 Rene Treffer

Everyone is permitted to copy and distribute verbatim or modified

copies of this license document, and changing it is allowed as long

as the name is changed.

DO WHAT THE FUCK YOU WANT TO PUBLIC LICENSE

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. You just DO WHAT THE FUCK YOU WANT TO.

---

smack-tcp Copyrights and Fourth-Party Licenses

List of the various copyrights found within the smack-tcp module, and 4th party dependencies distributed by PeopleSoft for it:

Copyright 2014 Florian Schmaus

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

smack-tcp\src\main\java\org\jivesoftware\smack\tcp\XMPPTCPConnectionConfiguration.java

smack-tcp\src\test\java\org\jivesoftware\smack\sm\provider\ParseStreamManagementTest.java

Copyright Â© 2014 Florian Schmaus

smack-tcp\src\main\java\org\jivesoftware\smack\sm\SMUtils.java

smack-tcp\src\main\java\org\jivesoftware\smack\sm\StreamManagementException.java

smack-tcp\src\main\java\org\jivesoftware\smack\sm\packet\StreamManagement.java

smack-tcp\src\main\java\org\jivesoftware\smack\sm\predicates\AfterXStanzas.java

smack-tcp\src\main\java\org\jivesoftware\smack\sm\predicates\ForEveryMessage.java

smack-tcp\src\main\java\org\jivesoftware\smack\sm\predicates\ForEveryStanza.java

smack-tcp\src\main\java\org\jivesoftware\smack\sm\predicates
\ForMatchingPredicateOrAfterXStanzas.java

smack-tcp\src\main\java\org\jivesoftware\smack\sm\predicates\OnceForThisStanza.java

smack-tcp\src\main\java\org\jivesoftware\smack\sm\predicates\Predicate.java

smack-tcp\src\main\java\org\jivesoftware\smack\sm\predicates\ShortcutPredicates.java

smack-tcp\src\main\java\org\jivesoftware\smack\sm\provider
\StreamManagementStreamFeatureProvider.java

smack-tcp\src\main\java\org\jivesoftware\smack\tcp\TCPInitializer.java

Copyright Â© 2014-2018 Florian Schmaus

smack-tcp\src\main\java\org\jivesoftware\smack\sm\provider\ParseStreamManagement.java

Copyright 2014-2019 Florian Schmaus

smack-tcp\src\test\java\org\jivesoftware\smack\tcp\PacketWriterTest.java

Copyright 2014 Vyacheslav Blinov, 2017-2018 Florian Schmaus

smack-tcp\src\test\java\org\jivesoftware\smack\sm\provider\ParseStreamManagementTest.java

Copyright 2015 Florian Schmaus

smack-tcp\src\main\java\org\jivesoftware\smack\sm\package-info.java

smack-tcp\src\main\java\org\jivesoftware\smack\sm\packet\package-info.java

smack-tcp\src\main\java\org\jivesoftware\smack\sm\predicates\package-info.java

smack-tcp\src\main\java\org\jivesoftware\smack\sm\provider\package-info.java

smack-tcp\src\main\java\org\jivesoftware\smack\tcp\BundleAndDefer.java

smack-tcp\src\main\java\org\jivesoftware\smack\tcp\BundleAndDeferCallback.java

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

smack-tcp\src\main\java\org\jivesoftware\smack\tcp\package-info.java

smack-tcp\src\test\java\org\jivesoftware\smack\tcp\TcpInitializerTest.java

Fourth-party Dependencies in smack-tcp module

import org.xmlpull.v1: https://github.com/xmlpull-org/xmlpull-api-v1

Imported by these smack-tcp modules:

smack-tcp\src\test\java\org\jivesoftware\smack\sm\provider\ParseStreamManagementTest.java

smack-tcp\src\main\java\org\jivesoftware\smack\sm\provider
\StreamManagementStreamFeatureProvider.java

smack-tcp\src\main\java\org\jivesoftware\smack\sm\provider\ParseStreamManagement.java

smack-tcp\src\test\java\org\jivesoftware\smack\sm\provider\ParseStreamManagementTest.java

xmlpull.v1 License Information

https://github.com/xmlpull-org/xmlpull-api-v1/blob/master/LICENSE.txt

XMLPULL API IS FREE

All of the XMLPULL API source code, compiled code, and documentation

contained in this distribution *except* for tests (see separate LICENSE_TESTS.txt)

are in the Public Domain.

XMLPULL API comes with NO WARRANTY or guarantee of fitness for any purpose.

Initial authors:

Stefan Haustein

Aleksander Slominski

2001-12-12

terraform-provider-oci License

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.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

1.3. "Contribution" means Covered Software of a particular Contributor.

1.4. "Covered Software" means Source Code Form to which the initial Contributor has attached the notice in Exhibit A, the Executable Form of such Source Code Form, and Modifications of such Source Code Form, in each case including portions thereof.

1.5. "Incompatible With Secondary Licenses" means

(a) that the initial Contributor has attached the notice described

in Exhibit B to the Covered Software; or

(b) that the Covered Software was made available under the terms of

version 1.1 or earlier of the License, but not also under the

terms of a Secondary License.

1.6. "Executable Form" means any form of the work other than Source Code Form.

1.7. "Larger Work" means a work that combines Covered Software with other material, in a separate file or files, that is not Covered Software.

1.8. "License" means this document.

1.9. "Licensable" means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently, any and all of the rights conveyed by this License.

1.10. "Modifications" means any of the following:

(a) any file in Source Code Form that results from an addition to,

deletion from, or modification of the contents of Covered

Software; or

(b) any new file in Source Code Form that contains any Covered

Software.

1.11. "Patent Claims" of a Contributor means any patent claim(s), including without limitation, method, process, and apparatus claims, in any patent Licensable by such Contributor that would be infringed, but for the grant of the License, by the making, using, selling, offering for sale, having made, import, or transfer of either its Contributions or its Contributor Version.

1.12. "Secondary License" means either the GNU General Public License, Version 2.0, the GNU Lesser General Public License, Version 2.1, the GNU Affero General Public License, Version 3.0, or any later versions of those licenses.

1.13. "Source Code Form" means the form of the work preferred for making modifications.

1.14. "You" (or "Your") means an individual or a legal entity exercising rights under this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

2. License Grants and Conditions

2.1. Grants

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

(a) under intellectual property rights (other than patent or trademark) Licensable by such Contributor to use, reproduce, make available, modify, display, perform, distribute, and otherwise exploit its Contributions, either on an unmodified basis, with Modifications, or as part of a Larger Work; and

(b) under Patent Claims of such Contributor to make, use, sell, offer for sale, have made, import, and otherwise transfer either its Contributions or its Contributor Version.

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:

(a) for any code that a Contributor has removed from Covered Software; or

(b) for infringements caused by: (i) Your and any other third party's modifications of Covered Software, or (ii) the combination of its Contributions with other software (except as part of its Contributor Version); or

(c) under Patent Claims infringed by Covered Software in the absence of its Contributions.

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

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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:

(a) such Covered Software must also be made available in Source Code Form, as described in Section 3.1, and You must inform recipients of the Executable Form how they can obtain a copy of such Source Code Form by reasonable means in a timely manner, at a charge no more than the cost of distribution to the recipient; and

(b) You may distribute such Executable Form under the terms of this License, or sublicense it under different terms, provided that the license for the Executable Form does not attempt to limit or alter the recipients' rights in the Source Code Form under this License.

3.3. 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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

Terraform Fourth-Party Licenses

4th party dependencies distributed by PeopleSoft for Terraform (by license type with copyright info identified if applicable).

Apache 2.0 License

For a copy of the license, see Apache License, Version 2.0.

go

levenshtein

azure-sdk-for-go

go-autorest

etcd

gophercloud - Copyright 2012-2013 Rackspace, Inc.

go-artifactory

simplexml

winrm

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

com

ssh-agent

appengine

genproto

grpc

yaml.v2 - Copyright 2011-2016 Canonical Ltd.

run

go-semver

utfbom

mock

utils

go.opencensus.io

BSD 2–Clause License

For a copy of the license, see BSD 2-Clause License.

msgpack github.com/vmihailenco github.com/vmihailenco/msgpack Copyright (c) 2013 The github.com/vmihailenco/msgpack Authors. All rights reserved.

BSD 3-Clause License (With Google Inc Reference)

For a copy of the license, see BSD 3-Clause License (With Google Inc Reference).

api Copyright (c) 2011 Google Inc. All rights reserved.

crypto Copyright (c) 2009 The Go Authors. All rights reserved.

ed25519 Copyright (c) 2012 The Go Authors. All rights reserved.

go-cmp github.com/google github.com/google/go-cmp Copyright (c) 2017 The Go Authors. All rights reserved.

go-crypto Copyright (c) 2009 The Go Authors. All rights reserved.

go-querystring github.com/google github.com/google/go-querystring Copyright (c) 2013 Google. All rights reserved.

net Copyright (c) 2009 The Go Authors. All rights reserved.

oauth2 Copyright (c) 2009 The oauth2 Authors. All rights reserved.

osext Copyright (c) 2012 The Go Authors. All rights reserved.

protobuf Copyright 2010 The Go Authors. All rights reserved. https://github.com/golang/protobuf

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

protobuf github.com/gogo github.com/gogo/protobuf Copyright (c) 2013, The GoGo Authors. All rights reserved. Copyright 2010 The Go Authors. All rights reserved. https://github.com/golang/protobuf

snappy github.com/golang github.com/golang/snappy Copyright (c) 2011 The Snappy-Go Authors. All rights reserved.

sys Copyright (c) 2009 The Go Authors. All rights reserved.

text Copyright (c) 2009 The Go Authors. All rights reserved.

time golang.org/x golang.org/x/time Copyright (c) 2009 The Go Authors. All rights reserved.

v2 github.com/googleapis/gax-go github.com/googleapis/gax-go/v2 Copyright 2016, Google Inc. All rights reserved.

go-jmespath License

Copyright 2015 James Saryerwinnie

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.

go-textseg License

Copyright (c) 2017 Martin Atkins

MIT License

Unicode table generation programs are under a separate copyright and license:

Copyright (c) 2014 Couchbase, Inc.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

Grapheme break data is provided as part of the Unicode character database,

copright 2016 Unicode, Inc, which is provided with the following license:

Unicode Data Files include all data files under the directories

http://www.unicode.org/Public/, http://www.unicode.org/reports/,

http://www.unicode.org/cldr/data/, http://source.icu-project.org/repos/icu/, and

http://www.unicode.org/utility/trac/browser/.

Unicode Data Files do not include PDF online code charts under the

directory http://www.unicode.org/Public/.

Software includes any source code published in the Unicode Standard

or under the directories

http://www.unicode.org/Public/, http://www.unicode.org/reports/,

http://www.unicode.org/cldr/data/, http://source.icu-project.org/repos/icu/, and

http://www.unicode.org/utility/trac/browser/.

NOTICE TO USER: Carefully read the following legal agreement.

BY DOWNLOADING, INSTALLING, COPYING OR OTHERWISE USING UNICODE INC.'S

DATA FILES (""DATA FILES""), AND/OR SOFTWARE (""SOFTWARE""),

YOU UNEQUIVOCALLY ACCEPT, AND AGREE TO BE BOUND BY, ALL OF THE

TERMS AND CONDITIONS OF THIS AGREEMENT.

IF YOU DO NOT AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE

THE DATA FILES OR SOFTWARE.

COPYRIGHT AND PERMISSION NOTICE

Copyright © 1991-2017 Unicode, Inc. All rights reserved.

Distributed under the Terms of Use in http://www.unicode.org/copyright.html.

Permission is hereby granted, free of charge, to any person obtaining

a copy of the Unicode data files and any associated documentation

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

(the ""Data Files"") or Unicode software and any associated documentation
(the ""Software"") to deal in the Data Files or Software
without restriction, including without limitation the rights to use,
copy, modify, merge, publish, distribute, and/or sell copies of
the Data Files or Software, and to permit persons to whom the Data Files
or Software are furnished to do so, provided that either
(a) this copyright and permission notice appear with all copies
of the Data Files or Software, or
(b) this copyright and permission notice appear in associated
Documentation.
THE DATA FILES AND SOFTWARE ARE PROVIDED ""AS IS"", WITHOUT WARRANTY OF
ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE
WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT OF THIRD PARTY RIGHTS.
IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS
NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL
DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE,
DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER
TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR
PERFORMANCE OF THE DATA FILES OR SOFTWARE.
Except as contained in this notice, the name of a copyright holder
shall not be used in advertising or otherwise to promote the sale,
use or other dealings in these Data Files or Software without prior
written authorization of the copyright holder.

ISC License

For a copy of the license, see ISC License.

go-spew Copyright (c) 2012-2016 Dave Collins <dave@davec.name>

Mozilla Public License, Version 2.0

For a copy of the license, see Mozilla Public License, Version 2.0.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

consul

errwrap

go-checkpoint

go-cleanhttp

go-getter

go-multierror

go-plugin

go-retryablehttp

go-rootcerts

go-uuid

go-version

hcl

hcl2

hil

scada-client

serf

vault

yamux

triton-go

cli

terraform-provider-openstack

go-safetemp

go-dump

consul

errwrap

go-azure-helpers

go-checkpoint

go-cleanhttp

go-getter

go-multierror

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

go-plugin

go-retryablehttp

go-rootcerts

go-safetemp

go-tfe

go-uuid

go-version

hcl

hcl2

hil

logutils

serf

terraform-config-inspect

aws-sdk-go-base

go-slug

MIT License

For a copy of the license, see MIT License.

go-isatty

circbuf Copyright (c) 2013 Armon Dadgar

go-radix Copyright (c) 2014 Armon Dadgar

go-ntlmssp Copyright (c) 2016 Microsoft

semver Copyright (c) 2014 Benedikt Lang <github at benediktlang.de>

goxpath Copyright (c) 2015 ChrisTrenkamp

readline Copyright (c) 2015 Chzyer

iso8601 Copyright (c) 2015 Dylan Meissner

winrmtest Copyright (c) 2014-2015 Dylan Meissner

go-hclog Copyright (c) 2017 HashiCorp

go-cidr Copyright (c) 2015 Martin Atkins

go-colorable Copyright (c) 2016 Yasuhiro Matsumoto

go-netrc

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

(Original version) Copyright © 2010 Fazlul Shahriar <fshahriar@gmail.com>

(Newer portions) Copyright © 2014 Blake Gentry <blakesgentry@gmail.com>

colorstring Copyright (c) 2014 Mitchell Hashimoto

copystructure Copyright (c) 2014 Mitchell Hashimoto

go-homedir Copyright (c) 2013 Mitchell Hashimoto

go-testing-interface Copyright (c) 2016 Mitchell Hashimoto

hashstructure Copyright (c) 2016 Mitchell Hashimoto

jwt-go github.com/dgrijalva Copyright (c) 2012 Dave Grijalva

mapstructure Copyright (c) 2013 Mitchell Hashimoto

panicwrap Copyright (c) 2013 Mitchell Hashimoto

reflectwalk Copyright (c) 2013 Mitchell Hashimoto

winrmcp Copyright (c) 2015 Dylan Meissner

treeprint Copyright © 2016 Maxim Kupriianov <max@kc.vc>

deep Copyright 2015-2017 Daniel Nichter

go-cty Copyright (c) 2017-2018 Martin Atkins

go-shellwords

jsonapi

go

speakeasy Copyright (c) 2017 Blake Gentry

xpath

xquery

xz License

xz Copyright (c) 2014-2016 Ulrich Kunitz. All rights reserved.

Redistribution and use in source and binary forms, with or without

modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this

list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice,

this list of conditions and the following disclaimer in the documentation

and/or other materials provided with the distribution.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

* My name, Ulrich Kunitz, may not be used to endorse or promote products

derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"

AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE

IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE

DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE

FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL

DAMAGES (INCLUDING, BUT NOT 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.

Tika Fourth-Party Licenses

4th party dependencies distributed by PeopleSoft for Tika:

Managed 4th party dependencies: org.apache.felix.scr.annotations, slf4j.

org.apache.felix.scr.annotations is covered by the above Apache 2.0 license.

---

slf4j subcomponents slf4j-api, log4j12, slf4j-simple, jcl-over-slf4j and jul-to-slf4j are covered under the MIT license:

Copyright (c) 2004-2017 QOS.ch All rights reserved. Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

==========

APACHE TIKA SUBCOMPONENTS

==========

TIKA-CORE

NOTICE

Apache Tika core

Copyright 2007-2018 The Apache Software Foundation

This product includes software developed at

The Apache Software Foundation (http://www.apache.org/).

APACHE TIKA SUBCOMPONENTS (tika-core-1.21.jar\META-INF\LICENSE)

Apache Tika includes a number of subcomponents with separate copyright notices

and license terms. Your use of these subcomponents is subject to the terms and

conditions of the following licenses.

MIME type information from file-4.26.tar.gz (http://www.darwinsys.com/file/)

Copyright (c) Ian F. Darwin 1986, 1987, 1989, 1990, 1991, 1992, 1994, 1995.

Software written by Ian F. Darwin and others;

maintained 1994- Christos Zoulas.

This software is not subject to any export provision of the United States

Department of Commerce, and may be exported to any country or planet.

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 immediately at the beginning of the file, without modification,

this list of conditions, and the following disclaimer.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

2. Redistributions in binary form must reproduce the above copyright

notice, this list of conditions and the following disclaimer in the

documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR 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 AUTHOR OR CONTRIBUTORS BE LIABLE FOR

ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL

DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS

OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)

HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT

LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY

OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF

SUCH DAMAGE.

IPTC Photo Metadata descriptions are taken from the IPTC Photo Metadata

Standard, July 2010, Copyright 2010 International Press Telecommunications

Council.

1. The Specifications and Materials are licensed for use only on the condition that you agree to be bound by the terms of this license. Subject to this and other licensing requirements contained herein, you may, on a non-exclusive basis, use the Specifications and Materials.

2. The IPTC openly provides the Specifications and Materials for voluntary use by individuals, partnerships, companies, corporations, organizations and any other entity for use at the entity's own risk. This disclaimer, license and release is intended to apply to the IPTC, its officers, directors, agents, representatives, members, contributors, affiliates, contractors, or co-venturers acting jointly or severally.

3. The Document and translations thereof may be copied and furnished to others, and derivative works that comment on or otherwise explain it or assist in its implementation may be prepared, copied, published and distributed, in whole or in part, without restriction of any kind, provided that the copyright and license notices and references to the IPTC appearing in the Document and the terms of this Specifications License Agreement are included on all such copies and derivative works. Further, upon the receipt of written permission from the IPTC, the Document may be modified for the purpose of developing applications that use IPTC Specifications or as required to translate the Document into languages other than English.

4. Any use, duplication, distribution, or exploitation of the Document and Specifications and Materials in any manner is at your own risk.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

5. NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE REGARDING THE ACCURACY, ADEQUACY, COMPLETENESS, LEGALITY, RELIABILITY OR USEFULNESS OF ANY INFORMATION CONTAINED IN THE DOCUMENT OR IN ANY SPECIFICATION OR OTHER PRODUCT OR SERVICE PRODUCED OR SPONSORED BY THE IPTC. THE DOCUMENT AND THE INFORMATION CONTAINED HEREIN AND INCLUDED IN ANY SPECIFICATION OR OTHER PRODUCT OR SERVICE OF THE IPTC IS PROVIDED ON AN "AS IS" BASIS. THE IPTC DISCLAIMS ALL WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY ACTUAL OR ASSERTED WARRANTY OF NON-INFRINGEMENT OF PROPRIETARY RIGHTS, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE. NEITHER THE IPTC NOR ITS CONTRIBUTORS SHALL BE HELD LIABLE FOR ANY IMPROPER OR INCORRECT USE OF INFORMATION. NEITHER THE IPTC NOR ITS CONTRIBUTORS ASSUME ANY RESPONSIBILITY FOR ANYONE'S USE OF INFORMATION PROVIDED BY THE IPTC. IN NO EVENT SHALL THE IPTC OR ITS CONTRIBUTORS BE LIABLE TO ANYONE FOR DAMAGES OF ANY KIND, INCLUDING BUT NOT LIMITED TO, COMPENSATORY DAMAGES, LOST PROFITS, LOST DATA OR ANY FORM OF SPECIAL, INCIDENTAL, INDIRECT, CONSEQUENTIAL OR PUNITIVE DAMAGES OF ANY KIND WHETHER BASED ON BREACH OF CONTRACT OR WARRANTY, TORT, PRODUCT LIABILITY OR OTHERWISE.

6. The IPTC takes no position regarding the validity or scope of any Intellectual Property or other rights that might be claimed to pertain to the implementation or use of the technology described in the Document or the extent to which any license under such rights might or might not be available. The IPTC does not represent that it has made any effort to identify any such rights. Copies of claims of rights made available for publication, assurances of licenses to be made available, or the result of an attempt made to obtain a general license or permission for the use of such proprietary rights by implementers or users of the Specifications and Materials, can be obtained from the Managing Director of the IPTC.

7. By using the Specifications and Materials including the Document in any manner or for any purpose, you release the IPTC from all liabilities, claims, causes of action, allegations, losses, injuries, damages, or detriments of any nature arising from or relating to the use of the Specifications, Materials or any portion thereof. You further agree not to file a lawsuit, make a claim, or take any other formal or informal legal action against the IPTC, resulting from your acquisition, use, duplication, distribution, or exploitation of the Specifications, Materials or any portion thereof. Finally, you hereby agree that the IPTC is not liable for any direct, indirect, special or consequential damages arising from or relating to your acquisition, use, duplication, distribution, or exploitation of the Specifications, Materials or any portion thereof.

8. Specifications and Materials may be downloaded or copied provided that ALL copies retain the ownership, copyright and license notices.

9. Materials may not be edited, modified, or presented in a context that creates a misleading or false impression or statement as to the positions, actions, or statements of the IPTC.

10. The name and trademarks of the IPTC may not be used in advertising, publicity, or in relation to products or services and their names without the specific, written prior permission of the IPTC. Any permitted use of the trademarks of the IPTC, whether registered or not, shall be accompanied by an appropriate mark and attribution, as agreed with the IPTC.

11. Specifications may be extended by both members and non-members to provide additional functionality (Extension Specifications) provided that there is a clear recognition of the IPTC IP and its ownership in the Extension Specifications and the related documentation and provided that the extensions are clearly identified and provided that a perpetual license is granted by the creator of the Extension Specifications for other members and non-members to use the Extension Specifications and to continue extensions of the Extension Specifications. The IPTC does not waive any of its rights in the Specifications and Materials in this context. The Extension Specifications may be considered the intellectual property of

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

their creator. The IPTC expressly disclaims any responsibility for damage caused by an extension to the Specifications.

12. Specifications and Materials may be included in derivative work of both members and non-members provided that there is a clear recognition of the IPTC IP and its ownership in the derivative work and its related documentation. The IPTC does not waive any of its rights in the Specifications and Materials in this context. Derivative work in its entirety may be considered the intellectual property of the creator of the work .The IPTC expressly disclaims any responsibility for damage caused when its IP is used in a derivative context.

13. This Specifications License Agreement is perpetual subject to your conformance to the terms of this Agreement. The IPTC may terminate this Specifications License Agreement immediately upon your breach of this Agreement and, upon such termination you will cease all use, duplication, distribution, and/or exploitation in any manner of the Specifications and Materials.

14. This Specifications License Agreement reflects the entire agreement of the parties regarding the subject matter hereof and supersedes all prior agreements or representations regarding such matters, whether written or oral. To the extent any portion or provision of this Specifications License Agreement is found to be illegal or unenforceable, then the remaining provisions of this Specifications License Agreement will remain in full force and effect and the illegal or unenforceable provision will be construed to give it such effect as it may properly have that is consistent with the intentions of the parties.

15. This Specifications License Agreement may only be modified in writing signed by an authorized representative of the IPTC.

16. This Specifications License Agreement is governed by the law of United Kingdom, as such law is applied to contracts made and fully performed in the United Kingdom. Any disputes arising from or relating to this Specifications License Agreement will be resolved in the courts of the United Kingdom. You consent to the jurisdiction of such courts over you and covenant not to assert before such courts any objection to proceeding in such forums.

TIKA-PARSERS

NOTICE

Apache Tika parsers

Copyright 2007-2018 The Apache Software Foundation

This product includes software developed at

The Apache Software Foundation (http://www.apache.org/).

APACHE TIKA SUBCOMPONENTS (tika-parsers-1.21.jar\META-INF\LICENSE)

Apache Tika includes a number of subcomponents with separate copyright notices

and license terms. Your use of these subcomponents is subject to the terms and

conditions of the following licenses.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

==========

04/11/2018 - Furthermore there are the following 4th party dependencies needed for TIKA-CORE and TIKA-PARSERS

==========

Apache Commons Compress Version 1.18 - Apache 2.0 License

NOTICE

Apache Commons Compress

Copyright 2002-2018 The Apache Software Foundation

This product includes software developed at

The Apache Software Foundation (http://www.apache.org/).

The files in the package org.apache.commons.compress.archivers.sevenz

were derived from the LZMA SDK, version 9.20 (C/ and CPP/7zip/),

which has been placed in the public domain"

Source URL: https://commons.apache.org/proper/commons-compress/download_compress.cgi

Component Home: https://commons.apache.org/proper/commons-compress/

---

org.apache.commons » commons-lang3 » 3.9 Apache 2.0

NOTICE

Apache Commons Lang

Copyright 2001-2018 The Apache Software Foundation

---

commons-codec » commons-codec » 1.12 Apache 2.0

NOTICE

Apache Commons Codec

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Copyright 2002-2017 The Apache Software Foundation

---

com.drewnoakes » metadata-extractor » 2.11.0 Apache 2.0

NOTICE

Copyright 2002-2017 Drew Noakes

---

com.google.code.gson » gson » 2.8.5 Apache 2.0

NOTICE

Copyright (C) 2018 Google Inc.

---

com.google.guava » guava » 27.1-jre Apache 2.0

NOTICE

Copyright (C) 2019 The Guava Authors

---

org.apache.httpcomponents » httpclient » 4.5.8 Apache 2.0

NOTICE

Apache HttpClient

Copyright 1999-2019 The Apache Software Foundation

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

org.apache.httpcomponents » httpmime » 4.5.8 Apache 2.0

NOTICE

Apache HttpClient Mime

Copyright 1999-2019 The Apache Software Foundation

SQLite-jdbc 3.27.2.1 - Apache 2.0 License

Source URL: https://bitbucket.org/xerial/sqlite-jdbc/downloads/

Component Home: https://bitbucket.org/xerial/sqlite-jdbc

Tagsoup 1.2.1 - Apache 2.0 License

README

Copyright 2002-2008, TagSoup, John Cowan

" This is also the README file packaged with TagSoup.

TagSoup is free and Open Source software. As of version 1.2, it is

licensed under the [2]Apache License, Version 2.0, which allows

proprietary re-use as well as use with GPL 3.0 or GPL 2.0-or-later

projects. (If anyone needs a GPL 2.0 license for a GPL 2.0-only

project, feel free to ask.)"

Source URL: http://vrici.lojban.org/~cowan/XML/tagsoup/tagsoup-1.2.1-src.zip

Component Home: http://vrici.lojban.org/~cowan/XML/tagsoup/

Bouncy Castle API 1.61

LICENSE

"Please note this should be read in the same way as the MIT license.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Please also note this licensing model is made possible through funding from donations and the sale of support contracts.

License

=======

Copyright (c) 2000 - 2017 The Legion of the Bouncy Castle Inc. (https://www.bouncycastle.org)

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

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

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

Source URL: https://bouncycastle.org/latest_releases.html

Component Home: https://bouncycastle.org/java.html

==========

11/13/2018 TIKA-CORE references this additional 4th party dependency

==========

BNDLIB

- no copyright notice found on homepage, but source code search revealed:

Copyright (c) aQute (2000, 2014). All Rights Reserved.

Homepage URL: http://bnd.bndtools.org/

released under Apache 2.0 license.

==========

01/03/2019 Additional 4th party dependencies in Tika released under Apache 2.0 license:

==========

Apache POI 4.0.1

org.apache.poi » poi » 4.1.0 Apache 2.0

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

org.apache.poi » poi-scratchpad » 4.1.0 Apache 2.0

org.apache.poi » poi-ooxml » 4.1.0 Apache 2.0

org.apache.poi » poi-ooxml-schemas » 4.1.0 Apache 2.0

Apache POI

Copyright 2003-2019 The Apache Software Foundation

PDFBox 2.0.15

org.apache.pdfbox » pdfbox » 2.0.15 Apache 2.0

Apache PDFBox

Copyright 2002-2019 The Apache Software Foundation

==========

21-Mar-2019 Additional 4th party dependencies in Tika released under Apache 2.0 license:

==========

jempbox 1.8.16

org.apache.pdfbox » jempbox » 1.8.16 Apache 2.0

Apache JempBox

Copyright 2008-2018 The Apache Software Foundation

This product includes software developed at

The Apache Software Foundation (http://www.apache.org/).

Based on source code contributed to the original JempBox project.

Copyright (c) 2006-2007, www.jempbox.org

apache-mime4j-core 0.8.2

xmlbeans 3.0.2

org.apache.xmlbeans » xmlbeans » 3.1.0 Apache 2.0

Software Copyright (c) 2000-2003, BEA Systems, .

boilerpipe 1.1.0

==========

21-Mar-2019 Additional 4th party dependencies in Tika released under Mozilla Public License version 1.1:

==========

juniversalchardet 1.0.3

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

"The contents of this file are subject to the Mozilla Public License

Version 1.1 (the "License"); you may not use this file except in

compliance with the License. You may obtain a copy of the License at

https://www.mozilla.org/MPL/

Software distributed under the License is distributed on an "AS IS"

basis, WITHOUT WARRANTY OF ANY KIND, either express or implied. See the

License for the specific language governing rights and limitations

under the License.

Alternatively, the library may be used under the terms of either the GNU General Public License Version 2 or later, or the GNU Lesser General Public License 2.1 or later.

Oracle elects the MPL 1.1.

==========

Furthermore there are the following 4th party dependencies needed for TIKA-CORE and TIKA-PARSERS under BSD Clause

==========

---

org.ow2.asm » asm » 7.1 BSD

NOTICE

Copyright (c) 2000-2019 INRIA, France Telecom

License

ASM is released under the following 3-Clause BSD License:

ASM: a very small and fast Java bytecode manipulation framework

Copyright (c) 2000-2011 INRIA, France Telecom

All rights reserved.

Redistribution and use in source and binary forms, with or without

modification, are permitted provided that the following conditions

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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 holders nor the names of its

contributors may be used to endorse or promote products derived from

this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"

AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE

IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE

ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE

LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR

CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF

SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS

INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN

CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)

ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF

THE POSSIBILITY OF SUCH DAMAGE.

---

com.github.luben» zstd-jni >> 1.4.0-1 BSD 2-clause

License

The 2-Clause BSD License

SPDX short identifier: BSD-2-Clause

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

OSI Approved License Logo

Note: This license has also been called the "Simplified BSD License" and the "FreeBSD License". See also the 3-clause BSD License.

Copyright

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

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

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

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

---

com.github.protobuf » protobuf-java 3.7.1 : BSD 3-clause

NOTICE

Copyright (c) 2005-2018, Graph Builder All rights reserved.

License

The 3-Clause BSD License

SPDX short identifier: BSD-3-Clause

OSI Approved License Logo

Note: This license has also been called the "New BSD License" or "Modified BSD License". See also the 2-clause BSD License.

Copyright

 Copyright © 1988, 2019, Oracle and/or its affiliates. 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. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

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

==========

Furthermore there are the following 4th party dependencies needed for TIKA-CORE and TIKA-PARSERS under MIT Clause

==========

---

org.slf4j » slf4j-api » 1.7.26 MIT

NOTICE

Copyright (c) 2004-2019 QOS.ch All rights reserved.

---

org.slf4j » jcl-over-slf4j » 1.7.26 MIT

NOTICE

Copyright (c) 2019 QOS.ch All rights reserved.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

---

org.jsoup » jsoup » 1.12.1 MIT

NOTICE

The MIT License

Copyright (c) 2009-2019 Jonathan Hedley

License

The MIT License

SPDX short identifier: MIT

OSI Approved License Logo

Copyright

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

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

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

==========

---

com.github.albfernandez / com.googlecode.juniversalchardet » juniversalchardet » 1.0.3 >>

The library is subject to the Mozilla Public License Version 1.1.

Alternatively, the library may be used under the terms of either the GNU General Public License Version 2 or later, or the GNU Lesser General Public License 2.1 or later.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Oracle elects the MPL 1.1.

NOTICE

Copyright (c) 2019 Steve Waldman.

License

---

juniversalchardet 1.0.3 Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.

51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies

of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts

as the successor of the GNU Library Public License, version 2, hence

the version number 2.1.]

Preamble

The licenses for most software are designed to take away your

freedom to share and change it. By contrast, the GNU General Public

Licenses are intended to guarantee your freedom to share and change

free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some

specially designated software packages--typically libraries--of the

Free Software Foundation and other authors who decide to use it. You

can use it too, but we suggest you first think carefully about whether

this license or the ordinary General Public License is the better

strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,

not price. Our General Public Licenses are designed to make sure that

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

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

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

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

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

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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

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

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

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

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

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

GNU LESSER GENERAL PUBLIC LICENSE

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

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

Each licensee is addressed as "you".

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

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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:

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

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

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

7. You may place library facilities that are a work based on the
Library 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:

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

original copyright holder who places the Library under this License may add
an explicit geographical distribution limitation excluding those countries,
so that distribution is permitted only in or among countries not thus
excluded. In such case, this License incorporates the limitation as if
written in the body of this License.

13. The Free Software Foundation may publish revised and/or new
versions of the Lesser General
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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

Copyright (C)

This library is free software; you can redistribute it and/or

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2.1 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
Lesser General Public License for more details.
You should have received a copy of the GNU Lesser General Public
License along with this library; 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.
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.
, 1 April 1990
Ty Coon, President of Vice
That's all there is to it!

==========

CDDL copyright for javax.activation 1.2.0

DO NOT ALTER OR REMOVE COPYRIGHT NOTICES OR THIS HEADER.
Copyright (c) 1997-2017 Oracle and/or its affiliates. All rights reserved.
The contents of this file are subject to the terms of either the GNU
General Public License Version 2 only ("GPL") or the Common Development
and Distribution License("CDDL") (collectively, the "License"). You

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

may not use this file except in compliance with the License. You can
obtain a copy of the License at
https://oss.oracle.com/licenses/CDDL+GPL-1.1
or LICENSE.txt. See the License for the specific
language governing permissions and limitations under the License.
When distributing the software, include this License Header Notice in each
file and include the License file at LICENSE.txt.
GPL Classpath Exception:
Oracle designates this particular file as subject to the "Classpath"
exception as provided by Oracle in the GPL Version 2 section of the License
file that accompanied this code.
Modifications:
If applicable, add the following below the License Header, with the fields
enclosed by brackets [] replaced by your own identifying information:
"Portions Copyright [year] [name of copyright owner]"
Contributor(s):
If you wish your version of this file to be governed by only the CDDL or
only the GPL Version 2, indicate your decision by adding "[Contributor]
elects to include this software in this distribution under the [CDDL or GPL
Version 2] license." If you don't indicate a single choice of license, a
recipient has the option to distribute your version of this file under
either the CDDL, the GPL Version 2 or to extend the choice of license to
its licensees as provided above. However, if you add GPL Version 2 code
and therefore, elected the GPL Version 2 license, then the option applies
only if the new code is made subject to such option by the copyright
holder.

==========

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Apache Copyright for cxf-rt-rs-client 3.2.7

Apache CXF

Copyright 2006-2018 The Apache Software Foundation

This product includes software developed at

The Apache Software Foundation (http://www.apache.org/).

==========

Copyright for CDDL jaxb-runtime 2.3.1

DO NOT ALTER OR REMOVE COPYRIGHT NOTICES OR THIS HEADER.

Copyright (c) 1997-2017 Oracle and/or its affiliates. All rights reserved.

The contents of this file are subject to the terms of either the GNU

General Public License Version 2 only ("GPL") or the Common Development

and Distribution License("CDDL") (collectively, the "License"). You

may not use this file except in compliance with the License. You can

obtain a copy of the License at

https://oss.oracle.com/licenses/CDDL+GPL-1.1

or LICENSE.txt. See the License for the specific

language governing permissions and limitations under the License.

When distributing the software, include this License Header Notice in each

file and include the License file at LICENSE.txt.

GPL Classpath Exception:

Oracle designates this particular file as subject to the "Classpath"

exception as provided by Oracle in the GPL Version 2 section of the License

file that accompanied this code.

Modifications:

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

If applicable, add the following below the License Header, with the fields
enclosed by brackets [] replaced by your own identifying information:
"Portions Copyright [year] [name of copyright owner]"
Contributor(s):
If you wish your version of this file to be governed by only the CDDL or
only the GPL Version 2, indicate your decision by adding "[Contributor]
elects to include this software in this distribution under the [CDDL or GPL
Version 2] license." If you don't indicate a single choice of license, a
recipient has the option to distribute your version of this file under
either the CDDL, the GPL Version 2 or to extend the choice of license to
its licensees as provided above. However, if you add GPL Version 2 code
and therefore, elected the GPL Version 2 license, then the option applies
only if the new code is made subject to such option by the copyright
holder.

==========

---

lang-detector 0.6

EDL 1.0

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

All rights reserved.

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

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

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

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

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO,

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

tika-core 1.21

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE Version 1.0 (CDDL-1.0)

1. Definitions.

1.1. Contributor means each individual or entity that creates or contributes to the creation of Modifications.

1.2. Contributor Version means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. Covered Software means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. Executable means the Covered Software in any form other than Source Code.

1.5. Initial Developer means the individual or entity that first makes Original Software available under this License.

1.6. Larger Work means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. License means this document.

1.8. Licensable means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. Modifications means the Source Code and Executable form of any of the following:

A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;

B. Any new file that contains any part of the Original Software or previous Modification; or

C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. Original Software means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. Patent Claims means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

1.12. Source Code means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. You (or Your) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, You includes any entity which 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.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.

Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.

The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.

You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.

You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients rights hereunder. 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 the Initial Developer or 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 the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.

You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipients rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

3.6. Larger Works.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.

Sun Microsystems, Inc. is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.

You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.

When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN AS IS BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, 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 THE INITIAL DEVELOPER OR ANY OTHER 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 HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as Participant) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY 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 PARTYS 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. U.S. GOVERNMENT END USERS.

The Covered Software is a commercial item, as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of commercial computer software (as that term is defined at 48 C.F.R. 252.227-7014(a)(1)) and commercial computer software documentation as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning 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. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdictions conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

Unlicense License

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

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

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

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

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

urllib3 Fourth-Party Licences

4th party dependencies distributed by PeopleSoft for urllib3:

---

dummyserver/proxy.py

Copyright (C) 2012 Senko Rasic <senko.rasic@dobarkod.hr>

MIT License

---

urllib3/contrib/securetransport.py

Copyright (c) 2015-2016 Will Bond <will@wbond.net>

MIT License

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

urllib3/packages/rfc3986

Copyright (c) 2014 Rackspace

Copyright (c) 2015, 2017 Ian Stapleton Cordasco

Copyright (c) 2010-2015 Benjamin Peterson

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.

---

urllib3/packages/ssl_match_hostname/_implementation.py

Note: This file is under the PSF license as the code comes from the python

stdlib. http://docs.python.org/3/license.html

==========

PSF LICENSE AGREEMENT FOR PYTHON 3.3.3

==========

1. This LICENSE AGREEMENT is between the Python Software Foundation (“PSF”),

and the Individual or Organization (“Licensee”) accessing and otherwise

using Python 3.3.3 software in source or binary form and its associated

documentation.

2. Subject to the terms and conditions of this License Agreement, PSF hereby

grants Licensee a nonexclusive, royalty-free, world-wide license to

reproduce, analyze, test, perform and/or display publicly, prepare

derivative works, distribute, and otherwise use Python 3.3.3 alone or in

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright © 2001-2013 Python Software Foundation; All Rights Reserved" are retained in Python 3.3.3 alone or in any derivative version prepared by Licensee.

3. In the event Licensee prepares a derivative work that is based on or incorporates Python 3.3.3 or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python 3.3.3.

4. PSF is making Python 3.3.3 available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON 3.3.3 WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON 3.3.3 FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 3.3.3, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By copying, installing or otherwise using Python 3.3.3, Licensee agrees to be bound by the terms and conditions of this License Agreement.

Apache License, Version 2.0

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

WSS4J Fourth-Party Licenses

4th party dependencies distributed by PeopleSoft for WSS4J:

#2. Xerces java (xerceslmpl-2.12.0.jar)

==========

== NOTICE file corresponding to section 4(d) of the Apache License, ==

== Version 2.0, in this case for the Apache Xerces Java distribution. ==

==========

Copyright 1999-2018 The Apache Software Foundation

This product includes software developed at

The Apache Software Foundation (http://www.apache.org/).

Portions of this software were originally based on the following:

- software copyright (c) 1999, IBM Corporation., http://www.ibm.com.

- software copyright (c) 1999, Sun Microsystems., http://www.sun.com.

- voluntary contributions made by Paul Eng on behalf of the

Apache Software Foundation that were originally developed at iClick, Inc.,

software copyright (c) 1999.

License: Apache 2.0 License (see above for verbiage)

#3. slf4j (for slf4j-api-1.6.1.jar and slf4j-log4j12-1.6.1.jar) needed by opensaml

From LICENSE.slf4j

Copyright (c) 2004-2007 QOS.ch

All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

permit persons to whom the Software is furnished to do so, subject to
the following conditions:
The above copyright notice and this permission notice shall be
included in all copies or substantial portions of the Software.
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE
LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION
OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION
WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

#4. santuario/xmlsec1.5.3 (Applicable to org.apache.santuario/xmlsec/1.5.3)

Copyright
Apache Santuario - XML Security for Java
Copyright 1999-2011 The Apache Software Foundation
This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
It was originally based on software copyright (c) 2001, Institute for
Data Communications Systems, <http://www.nue.et-inf.uni-siegen.de/>.
The development of this software was partly funded by the European
Commission in the <WebSig> project in the ISIS Programme.
License: Apache 2.0 License (see above for verbiage)

#5. Opensaml 2.5.1-1

Licensed to the University Corporation for Advanced Internet Development,
Inc. (UCAID) under one or more contributor license agreements. See the
NOTICE file distributed with this work for additional information regarding
copyright ownership. The UCAID licenses this file to You under the Apache

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

License: Apache 2.0 License (see above for verbiage)

#6. Joda-time 1.6.2:

Copyright: Copyright © 2002-2008 Joda.org. All Rights Reserved.

License: Apache 2.0 License (see above for verbiage)

#7. bouncycastle (bcprov-jdk15on-160.jar)

From LICENSE.bouncycastle

Copyright (c) 2000 The Legion Of The Bouncy Castle (http://www.bouncycastle.org)

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

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

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

#8. Xml-apis (xml-apis-1.4.0.1.jar - needed by opensaml)

From LICENSE.xml-apis

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

xml-apis is covered by The Apache Software License, Version 1.1

FIXME: Put license text in here once it is available at

http://cvs.apache.org/viewcvs.cgi/xml-commons/

==========

The Apache Software License, Version 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 names "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", nor may "Apache" appear in their name, without prior written permission of the Apache Software Foundation.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

#9. openws (openws-1.4.2-1.jar - needed by opensaml)

Copyright 2008 University Corporation for Advanced Internet Development, Inc.
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,

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.
License: Apache 2.0 License (see above for verbiage)

#10. xmltooling (xmltooling-1.3.2-1.jar - needed by opensaml))
Licensed to the University Corporation for Advanced Internet Development,
Inc. (UCAID) under one or more contributor license agreements. See the
NOTICE file distributed with this work for additional information regarding
copyright ownership. The UCAID licenses this file to You 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.
License: Apache 2.0 License (see above for verbiage)

#11. Log4J (log4j-1.2.17):

==========

The Apache Software License, Version 1.1

==========

Copyright (C) 1999 The Apache Software Foundation. All rights reserved.
Redistribution and use in source and binary forms, with or without modifica-
tion, 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.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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 names "log4j" 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", nor may
"Apache" 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 (INCLU-
DING, 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/>.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Zlib Data Compression Library 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.

Jean-loup Gailly Mark Adler

jloup@gzip.org madler@alumni.caltech.edu

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Appendix C

Licensing Information for Other Oracle Products

Oracle Tuxedo Third-Party Notices and/or Licenses

Oracle Tuxedo Prerequisites, Entitled Products, and Restricted Use Licenses

Oracle Tuxedo provides the foundation for the Oracle Tuxedo product family. Oracle Tuxedo includes the following components:

- Oracle Tuxedo Server
- Oracle Tuxedo Standalone Clients

Add-on Products for Oracle Tuxedo

The Oracle Tuxedo product family consists of the following add-on products. Some of these products are included in the Oracle Tuxedo installer, however, a license to Oracle Tuxedo does not include a license to these add-on products. A license to Oracle Tuxedo is a prerequisite to license and use each add-on product.

Tuxedo Server Components

Oracle Tuxedo Jolt provides Java-based client API to access the Oracle Tuxedo application services extending functionality of existing Oracle Tuxedo applications to Intranet- and Internet-wide availability. The Jolt client API can be used in standalone mode or from within an application server, such as Oracle WebLogic server.

Oracle Tuxedo Jolt consists of two components: Oracle Tuxedo Jolt server and Oracle Tuxedo Jolt client. Oracle Tuxedo Jolt must be separately licensed for each computer where the Oracle Tuxedo Jolt server component is installed. A license to Oracle Tuxedo Jolt includes the Tuxedo Jolt client software.

- Oracle Services Architecture Leveraging Tuxedo (SALT)

  Oracle SALT enables access to Oracle Tuxedo services as web services as well as enables Oracle Tuxedo applications to access Web services hosted outside of the Oracle Tuxedo domain.

- Oracle Tuxedo System and Applications Monitor Plus (TSAM Plus)

  Oracle TSAM monitors and manages system servers, application servers, and application transactions. A license to Oracle TSAM Plus is required for each computer that you want to monitor and manage using Oracle TSAM Plus. A license to Oracle TSAM Plus entitles you to run one or more instances of TSAM Plus Manager component on the computer.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

A license to Oracle TSAM Plus includes a license to the plugin for Oracle Enterprise Manager Cloud Control (OEM CC) 12c to manage one Oracle Tuxedo node.

Restricted use: A license to Oracle TSAM Plus includes a restricted use license to Oracle WebLogic Server Standard Edition. Use of Oracle WebLogic Server Standard Edition is restricted to running the Oracle Tuxedo System and Applications Monitor Plus Web Console.

- Oracle Tuxedo JCA Adapter

  Oracle Tuxedo JCA Adapter enables bi-directional access between Tuxedo services and Java Enterprise Edition (Java EE) application servers.

  Oracle Tuxedo JCA Adapter must be licensed on the node which is running the Java EE application server, and which is communicating with Oracle Tuxedo Services.

- Oracle Tuxedo Mainframe Adapters (SNA and TCP)

  Oracle Tuxedo Mainframe Adapters (SNA and TCP) provide bi-directional and transactional connectivity between Oracle Tuxedo and CICS/IMS services running on IBM or Unisys mainframes. These adapters support automatic data conversion to and from HOST formats.

- Oracle Tuxedo Application Runtime (ART) for CICS and Batch

  Oracle Tuxedo Application Runtime (ART) for CICS and Batch supports rehosting of IBM CICS and batch mainframe applications to Oracle Tuxedo. It provides a combination of APIs and services that allows OLTP and Batch mainframe applications to run unchanged, preserving investment in business logic and data.

- Oracle Tuxedo Application Runtime (ART) for Batch

  Oracle Tuxedo Application Runtime (ART) for Batch enables rehosting of mainframe batch applications to Oracle Tuxedo running on open systems.

- Oracle Tuxedo Application Runtime (ART) for IMS

  Oracle Tuxedo Application Runtime (ART) for IMS supports IBM IMS TM mainframe applications rehosted to Oracle Tuxedo.

- Oracle Tuxedo Application Rehosting (ART) Test Manager

  Oracle Tuxedo Application Rehosting (ART) Test Manager is a tool for managing and automating testing of rehosted CICS, IMS, and Batch applications running on Tuxedo Application Runtimes.

  If licensing by Processor, the number of licenses to ART Test Manager must match the number of licenses to the associated Oracle Tuxedo Application Runtime (CICS & Batch, IMS or Batch). In the case where the programs are licensed at different times, the number of Processor licenses may not match due to variance in core factors between the times the respective programs were licensed.

  In that case, the number of cores used to determine the number of licensed processors of ART Test Manager must match the number of cores used to determine the number of licensed processors of Oracle Tuxedo Runtime (CICS & Batch, IMS or Batch).

- Oracle Tuxedo Advanced Performance Pack

  Oracle Tuxedo Advanced Performance Pack consists of following features:

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

- Routing of all Oracle Database (Database) requests from a global transaction to same Oracle Real Application Cluster (RAC) instance using XA affinity and common XID
- Automatic, real time load balancing across available RAC, Database nodes
- Auto failover/failback across RAC and Database nodes
- Auto SPINCOUNT tuning
- Shared memory queues
- Efficient Transaction Table Locking

The number of licenses to Oracle Tuxedo Advanced Performance Management Pack must match the number of licenses to Oracle Tuxedo.

Independent Products

The following products in the Oracle Tuxedo product family are separately licensed without any dependency on any other products.

- Oracle Tuxedo Application Rehosting Workbench

  Oracle Tuxedo Application Rehosting Workbench is used for mainframe application rehosting.

- Oracle Tuxedo Message Queue

  Oracle Tuxedo Message Queue is an enterprise messaging product. Oracle Tuxedo Message Queue must be licensed for each node it is installed on.

- Oracle Tuxedo Optimizations for Exalogic Elastic Cloud Software

  The following sections describe the following Oracle Tuxedo optimizations for Oracle Exalogic Elastic Cloud Software:

  - Oracle Tuxedo Optimization for Inter-node Communication

    Oracle Exalogic Elastic Cloud Software can be configured with Oracle Tuxedo to provide inter-node communication within an Oracle Tuxedo domain.

  - Socket Direct Protocol for Exalogic Elastic Cloud Software

    Oracle Exalogic Elastic Cloud can be configured to utilize the socket direct protocol for Oracle Tuxedo network channels and Oracle Database connectivity.

  - Oracle Tuxedo Optimization for Lock Mechanism

    Oracle Exalogic Elastic Cloud Software can be configured with Oracle Tuxedo to tune the bulletin board lock mechanism in an Oracle Tuxedo domain.

Open Source Software Included with Oracle Tuxedo

Required notices for open source software products or components distributed with the products are identified in the following table along with the applicable licensing information.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
Simple Network Management Protocol	Net-SNMP 5.7.2	For a copy of the license, see Net-SNMP License.

Net-SNMP License

Various copyrights apply to this package, listed in various separate parts below. Please make sure that you read all the parts.

Part 1: CMU/UCD copyright notice (BSD like)

Copyright © 1989, 1991, 1992 by Carnegie Mellon University

Derivative Work - 1996, 1998–2000

Copyright © 1996, 1998–2000 The Regents of the University of California.

All Rights Reserved

Permission to use, copy, modify and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appears in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of CMU and The Regents of the University of California not be used in advertising or publicity pertaining to distribution of the software without specific written permission.

CMU AND THE REGENTS OF THE UNIVERSITY OF CALIFORNIA DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL CMU OR THE REGENTS OF THE UNIVERSITY OF CALIFORNIA BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM THE 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.

Part 2: Networks Associates Technology, Inc., copyright notice (BSD)

Copyright © 2001–2003, Networks Associates Technology, Inc.

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.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS “AS IS”, AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS 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.

Part 3: Cambridge Broadband Ltd., copyright notice (BSD)

Portions of this code are copyright © 2001–2003, Cambridge Broadband Ltd.

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

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER “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 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.

Part 4: Sparta, Inc copyright notice (BSD)

Copyright © 2003–2011, Sparta, Inc.

All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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 Sparta, Inc., nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS “AS IS”, AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS 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.

Part 5: Cisco/BUPTNIC copyright notice (BSD)

Copyright © 2004, Cisco, Inc., and Information Network Center of Beijing University of Posts and Telecommunications.

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. Neither the names of Cisco, Inc., Beijing University of Posts and Telecommunications, nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS “AS IS”, AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS 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.

Part 6: Fabasoft R&D Software GmbH & Co KG copyright notice (BSD)

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Copyright © Fabasoft R&D Software GmbH & Co KG, 2003

oss@fabasoft.com

Author: Bernhard Penz <bernhard.penz@fabasoft.com

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. Neither the names of Fabasoft R&D Software GmbH & Co KG or any of its subsidiaries, brand or product names, nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER “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 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.

Part 7: Apple Inc., copyright notice (BSD)

Copyright © 2007 Apple Inc.

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. Neither the name of Apple Inc. ("Apple") nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY APPLE AND ITS 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 APPLE OR ITS CONTRIBUTORS BE LIABLE FOR

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

Part 8: ScienceLogic, LLC copyright notice (BSD)

Copyright © 2009, ScienceLogic, LLC

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

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS “AS IS”, AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS 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

Oracle WebLogic Server Enterprise Edition Third-Party Notices and/or Licenses

Open Source Software Included with Oracle WebLogic Server Enterprise Edition

Required notices for open source software products or components distributed with the products are identified in the following table along with the applicable licensing information.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	***Component***	***Licensing Information***
A. Abram White	Serp 2.5.6.SEC03	For a copy of the license, see Serp License.
ANTLR	Antlr 3.2	Antlr 3 License [The BSD License] Copyright © 2003–2007 Terence Parr All rights reserved. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS", AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. For a copy of the license, see Apache License, Version 2.0.
Apache	Ant 1.9.2	For a copy of the license, see Apache License, Version 2.0.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
Apache	ant-contrib 1.0b3	Ant-Contrib Copyright © 2001–2003 Ant-Contrib project All rights reserved. Licensed under the Apache 1.1 License Agreement. The name Ant-Contrib must not be used to endorse or promote products derived from this software or be used in a product name without prior written permission. For written permission, please contact: ant-contrib-developers@lists.sourceforge.net. For a copy of the license, see Apache License, Version 1.1.
Apache	Apache Derby	For a copy of the license, see Apache Derby License.
Apache	Apache Derby 10.9.1	For a copy of the license, see Apache License, Version 2.0.
Apache	Apache Jakarta Commons FileUpload 1.3.1, 3.0.1, 3.1	Apache Jakarta Commons FileUpload Copyright © 2002–2006 The Apache Software Foundation For a copy of the license, see Apache License, Version 2.0.
Apache	Apache Jakarta Commons HttpClient 3.1	Copyright © 1999–2007 The Apache Software Foundation For a copy of the license, see Apache License, Version 2.0.
Apache	Apache Velocity 1.4	For a copy of the license, see Apache License, Version 2.0.
Apache	Apache XMLBeans 2.6.0	For a copy of the license, see Apache License, Version 2.0.
Apache	cglib 2.2.3	For a copy of the license, see Apache License, Version 2.0.
Apache	cglib (Code Generation Library) 2.1_03	For a copy of the license, see Apache License, Version 2.0.
Apache	Commons Beanutils 1.6, 1.7, 1.8	For a copy of the license, see Apache License, Version 2.0.
Apache	Commons Digester 1.6, 1.8	For a copy of the license, see Apache License, Version 2.0.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
Apache	Commons IO 1.4	Apache Commons IO Copyright © 2001–2008 The Apache Software Foundation For a copy of the license, see Apache License, Version 2.0.
Apache	Commons Lang 2.6	Apache Commons Lang Copyright © 2001–2011 The Apache Software Foundation For a copy of the license, see Apache License, Version 2.0.
Apache	Commons Logging 1.0.4, 1.1.1, 1.2	For a copy of the license, see Apache License, Version 2.0.
Apache	Commons Pool 1.3	For a copy of the license, see Apache License, Version 2.0.
Apache	Commons Validator 1.4.1	Copyright © 2001–2012 The Apache Software Foundation For a copy of the license, see Apache License, Version 2.0.
Apache	Felix 4.4.0	For a copy of the license, see Apache License, Version 2.0.
Apache	Jakarta Commons Collections 3.2	For a copy of the license, see Apache License, Version 2.0.
Apache	Jakarta Commons Validator 1.3.1	This product includes software developed by Apache Jakarta Commons Validator. Copyright © 2001–2006 The Apache Software Foundation For a copy of the license, see Apache License, Version 2.0.
Apache	Jakarta ORO 2.0.8, 2.2	Jakarta ORO Copyright © 2000–2002 The Apache Software Foundation All rights reserved. Licensed under the Apache 1.1 License Agreement. For a copy of the license, see Apache License, Version 1.1.
Apache	Jakarta ORO 2.0.7	For a copy of the license, see Apache License, Version 1.1.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
Apache	jakarta-commons-codec 1.3	For a copy of the license, see Apache License, Version 2.0.
Apache	jakarta-regexp 1.4	For a copy of the license, see Apache License, Version 2.0.
Apache	Log4j 1.2.8, 1.2.13, 1.2.15, 1.3	For a copy of the license, see Apache License, Version 2.0.
Apache	Maven3.2.5	For a copy of the license, see Apache License, Version 2.0.
Apache	struts 1.1, 1.2.9	For a copy of the license, see Apache License, Version 2.0.
The Apache Software Foundation	Apache Commons Net 2.0	For a copy of the license, see Apache License, Version 2.0.
The Apache Software Foundation	commons-io 2.4	Apache Commons IO Copyright © 2002–2012 The Apache Software Foundation For a copy of the license, see Apache License, Version 2.0.
The Apache Software Foundation	Open SAML 1.0, 2.0	For a copy of the license, see Apache License, Version 2.0.
The Apache Software Foundation	Weld RI (JSR 299)	For a copy of the license, see Apache License, Version 2.0.
The Apache Software Foundation	Woodstox 4.2.0	For a copy of the license, see Apache License, Version 2.0.
The Apache Software Foundation	Xalan 2.7.2	For a copy of the license, see Apache License, Version 2.0.
The Apache Software Foundation	xercesImpl.jar 2.8.1	Apache Xerces Java Copyright © 1999–2010 The Apache Software Foundation Software copyright © 1999 For a copy of the license, see Apache License, Version 2.0.
The Apache Software Foundation	XML Security 1.4.7	For a copy of the license, see Apache License, Version 2.0.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
Brian Goetz and Tim Peierls	jcpiannotations 1.0	The Java code in the package net.jcip.annotations is copyright © 2005 Brian Goetz and is released under the Creative Commons Attribution License. You may not use this product except in compliance with the License. You may obtain a copy of the License at: http://creativecommons.org/ licenses/by/2.5 All rights reserved. For a copy of the license, see Attribution 2.5 License.
Codehaus	Jackson 1.9.11, 2.3.2, 2.4.3	For a copy of the license, see Apache License, Version 2.0.
Codehaus	Jettison 1.1	Copyright © 2006 Envoi Solutions LLC. For a copy of the license, see Apache License, Version 2.0.
connect2id	Nimbus JOSE+JWT 2.10-3.4	For a copy of the license, see Apache License, Version 2.0.
DataDirect	DataDirect Technology	The DataDirect component provided with this Oracle Program is distributed only for use with Oracle Program.
Eclipse Foundation	aspectjtools.jar 1.0	For a copy of the license, see Apache License, Version 1.1.
Eclipse Foundation	Eclipse Persistence Services Project (EclipseLink) 2.6.0	For a copy of the license, see Eclipse Persistence Services Project (EclipseLink) 260 License.
Eclipse Foundation	JDT Compiler 5.5	For a copy of the license, see Eclipse Public License.
Google	Google Guava 14.0.1, 18.0	For a copy of the license, see Apache License, Version 2.0.
Google	JSR 284 Reference Implementation 1.0	For a copy of the license, see Apache License, Version 2.0.
hibernate.org	Hibernate Validator RI (JSR 303) 5.1.3	Copyright © 2013–2014 The Apache Software Foundation For a copy of the license, see Apache License, Version 2.0.
IBM	Batch	For a copy of the license, see Apache License, Version 2.0.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
JBoss	jboss-logging 3.1.3	For a copy of the license, see jboss License.
joda-time.sourceforge.net	joda-time-1.2.1.jar 1.2.1	For a copy of the license, see Apache License, Version 2.0.
Joe Walnes	qdox 1.12.1	For a copy of the license, see Apache License, Version 2.0.
John Resig	JQuery 1.3.2	Copyright © 2009 John Resig (http://jquery.com/) 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 NON-INFRINGEMENT. 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.
JSON.org	json-smart-1.0.9.jar (http:code.google.com/p/json-smart 1.0	For a copy of the license, see Apache License, Version 2.0.
Jython	Jython 2.1, 2.2, 2.2.1	For a copy of the license, see Jython License.
Mozilla	Netscape LDAP 3.1	For a copy of the license, see Netscape LDAP License.
Oasis IPR Policy	Oasis WS-Security 1.0 XML Schema	For a copy of the license, see Oasis WS-Security 1 XML Schema License.
OW2 Consortium	ASM v5	For a copy of the license, see ASM 4 License.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
QOS.ch	Simple Logging Facade for Java JDK1.4 Binding (SLF4J-JDK14)	Copyright © 2004–2008 QOS.ch All rights reserved. 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 NON-INFRINGEMENT. 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.
Red Hat	jboss-classfilewriter1.0.4	For a copy of the license, see Apache License, Version 2.0.
Shigeru Chiba	javassist3.18.0-GA	For a copy of the license, see Apache License, Version 2.0.
SLF4J	SLF4J 1.7.5	Copyright © 2004–2013 QOS.ch All rights reserved. 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 NON-INFRINGEMENT. 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.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Provider	*Component*	*Licensing Information*
SpringSource	Spring Framework	Copyright © 2004–2008 Rod Johnson, Juergen Hoeller, Alef Arendsen, Colin Sampaleanu, Rob Harrop, Thomas Risberg, Darren Davison, Dmitriy Kopylenko, Mark Pollack, Thierry Templier, Erwin Vervaet, Portia Tung, Ben Hale, Adrian Colyer, John Lewis, Costin Leau, Mark Fisher, Sam Brannen, Ramnivas Laddad, Arjen Poutsma. For a copy of the license, see Apache License, Version 2.0.
The Legion Of The Bouncy Castle	Bouncy Castle Java Library 1.50	Copyright © 2000–2013 The Legion Of The Bouncy Castle (http://www.bouncycastle.org) 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 NON-INFRINGEMENT. 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.
W3C	DOM Dom Level 3 core	For a copy of the license, see DOM License.
W3C	xhtml 1.0	For a copy of the license, see xhtml License.

Apache Derby License

Copyright 2004-2008 The Apache Software Foundation

Portions of Derby were originally developed by International Business Machines Corporation and are licensed to the Apache Software Foundation under the "Software Grant and Corporate Contribution License Agreement", informally known as the "Derby CLA".

The following copyright notice(s) were affixed to portions of the code with which this file is now or was at one time distributed and are placed here unaltered.

(C) Copyright 1997,2004 International Business Machines Corporation. All rights reserved.

(C) Copyright IBM Corp. 2003.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

The portion of the function Tests under 'nist' was originally developed by the National Institute of Standards and Technology (NIST), an agency of the United States Department of Commerce, and adapted by International Business Machines Corporation in accordance with the NIST Software Acknowledgment and Redistribution document at http://www.itl.nist.gov/div897/ctg/sql_form.htm

Licensed under the Apache License, Version 2.0.

ASM 4 License

Copyright © 2000–2011 INRIA, France Telecom

All rights reserved.

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

Attribution 2.5 License

The Java code in the package net.jcip.annotations is copyright (c) 2005 Brian Goetz and is released under the Creative Commons Attribution License.

You may not use this product except in compliance with the License.

You may obtain a copy of the License at: http://creativecommons.org/ licenses/by/2.5

All rights reserved.

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

License

THE WORK (AS DEFINED BELOW) IS PROVIDED UNDER THE TERMS OF THIS CREATIVE COMMONS PUBLIC LICENSE ("CCPL" OR "LICENSE"). THE WORK IS PROTECTED BY COPYRIGHT AND/OR OTHER APPLICABLE LAW. ANY USE OF THE WORK OTHER THAN AS AUTHORIZED UNDER THIS LICENSE OR COPYRIGHT LAW IS PROHIBITED.

BY EXERCISING ANY RIGHTS TO THE WORK PROVIDED HERE, YOU ACCEPT AND AGREE TO BE BOUND BY THE TERMS OF THIS LICENSE. THE LICENSOR GRANTS YOU THE

RIGHTS CONTAINED HERE IN CONSIDERATION OF YOUR ACCEPTANCE OF SUCH TERMS AND CONDITIONS.

1. Definitions

    a. "Collective Work" means a work, such as a periodical issue, anthology or encyclopedia, in which the Work in its entirety in unmodified form, along with a number of other contributions, constituting separate and independent works in themselves, are assembled into a collective whole. A work that constitutes a Collective Work will not be considered a Derivative Work (as defined below) for the purposes of this License.

    b. "Derivative Work" means a work based upon the Work or upon the Work and other preexisting works, such as a translation, musical arrangement, dramatization, fictionalization, motion picture version, sound recording, art reproduction, abridgment, condensation, or any other form in which the Work may be recast, transformed, or adapted, except that a work that constitutes a Collective Work will not be considered a Derivative Work for the purpose of this License. For the avoidance of doubt, where the Work is a musical composition or sound recording, the synchronization of the Work in timed-relation with a moving image ("synching") will be considered a Derivative Work for the purpose of this License.

    c. "Licensor" means the individual or entity that offers the Work under the terms of this License.

    d. "Original Author" means the individual or entity who created the Work.

    e. "Work" means the copyrightable work of authorship offered under the terms of this License.

    f. "You" means an individual or entity exercising rights under this License who has not previously violated the terms of this License with respect to the Work, or who has received express permission from the Licensor to exercise rights under this License despite a previous violation.

2. Fair Use Rights

    Nothing in this license is intended to reduce, limit, or restrict any rights arising from fair use, first sale or other limitations on the exclusive rights of the copyright owner under copyright law or other applicable laws.

3. License Grant

    Subject to the terms and conditions of this License, Licensor hereby grants You a worldwide, royalty-free, non-exclusive, perpetual (for the duration of the applicable copyright) license to exercise the rights in the Work as stated below:

    a. To reproduce the Work, to incorporate the Work into one or more Collective Works, and to reproduce the Work as incorporated in the Collective Works.

    b. To create and reproduce Derivative Works

    c. To distribute copies or phonorecords of, display publicly, perform publicly, and perform publicly by means of a digital audio transmission the Work including as incorporated in Collective Works

    d. To distribute copies or phonorecords of, display publicly, perform publicly, and perform publicly by means of a digital audio transmission Derivative Works

    e. For the avoidance of doubt, where the work is a musical composition:

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

i. Performance Royalties Under Blanket Licenses

Licensor waives the exclusive right to collect, whether individually or via a performance rights society (e.g. ASCAP, BMI, SESAC), royalties for the public performance or public digital performance (e.g. webcast) of the Work.

ii. Mechanical Rights and Statutory Royalties

Licensor waives the exclusive right to collect, whether individually or via a music rights agency or designated agent (e.g. Harry Fox Agency), royalties for any phonorecord You create from the Work ("cover version") and distribute, subject to the compulsory license created by 17 USC Section 115 of the US Copyright Act (or the equivalent in other jurisdictions).

f. Webcasting Rights and Statutory Royalties

For the avoidance of doubt, where the Work is a sound recording, Licensor waives the exclusive right to collect, whether individually or via a performance-rights society (e.g. SoundExchange), royalties for the public digital performance (e.g. webcast) of the Work, subject to the compulsory license created by 17 USC Section 114 of the US Copyright Act (or the equivalent in other jurisdictions).

The above rights may be exercised in all media and formats whether now known or hereafter devised. The above rights include the right to make such modifications as are technically necessary to exercise the rights in other media and formats. All rights not expressly granted by Licensor are hereby reserved.

4. Restrictions

The license granted in Section 3 above is expressly made subject to and limited by the following restrictions:

a. You may distribute, publicly display, publicly perform, or publicly digitally perform the Work only under the terms of this License, and You must include a copy of, or the Uniform Resource Identifier for, this License with every copy or phonorecord of the Work You distribute, publicly display, publicly perform, or publicly digitally perform. You may not offer or impose any terms on the Work that alter or restrict the terms of this License or the recipients' exercise of the rights granted hereunder. You may not sublicense the Work. You must keep intact all notices that refer to this License and to the disclaimer of warranties. You may not distribute, publicly display, publicly perform, or publicly digitally perform the Work with any technological measures that control access or use of the Work in a manner inconsistent with the terms of this License Agreement. The above applies to the Work as incorporated in a Collective Work, but this does not require the Collective Work apart from the Work itself to be made subject to the terms of this License. If You create a Collective Work, upon notice from any Licensor You must, to the extent practicable, remove from the Collective Work any credit as required by clause 4(b), as requested. If You create a Derivative Work, upon notice from any Licensor You must, to the extent practicable, remove from the Derivative Work any credit as required by clause 4(b), as requested.

b. If you distribute, publicly display, publicly perform, or publicly digitally perform the Work or any Derivative Works or Collective Works, You must keep intact all copyright notices for the Work and provide, reasonable to the medium or means You are utilizing: (i) the name of the Original Author (or pseudonym, if applicable) if supplied, and/or (ii) if the Original Author and/or Licensor designate another party or parties (e.g. a sponsor institute, publishing entity, journal) for attribution in Licensor's copyright notice, terms of service or by other reasonable means, the name

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

of such party or parties; the title of the Work if supplied; to the extent reasonably practicable, the Uniform Resource Identifier, if any, that Licensor specifies to be associated with the Work, unless such URI does not refer to the copyright notice or licensing information for the Work; and in the case of a Derivative Work, a credit identifying the use of the Work in the Derivative Work (e.g., "French translation of the Work by Original Author," or "Screenplay based on original Work by Original Author"). Such credit may be implemented in any reasonable manner; provided, however, that in the case of a Derivative Work or Collective Work, at a minimum such credit will appear where any other comparable authorship credit appears and in a manner at least as prominent as such other comparable authorship credit.

5. Representations, Warranties and Disclaimer

   UNLESS OTHERWISE MUTUALLY AGREED TO BY THE PARTIES IN WRITING, LICENSOR OFFERS THE WORK AS-IS AND MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND CONCERNING THE WORK, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF TITLE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, OR THE ABSENCE OF LATENT OR OTHER DEFECTS, ACCURACY, OR THE PRESENCE OF ABSENCE OF ERRORS, WHETHER OR NOT DISCOVERABLE. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES, SO SUCH EXCLUSION MAY NOT APPLY TO YOU.

6. Limitation on Liability

   EXCEPT TO THE EXTENT REQUIRED BY APPLICABLE LAW, IN NO EVENT WILL LICENSOR BE LIABLE TO YOU ON ANY LEGAL THEORY FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR EXEMPLARY DAMAGES ARISING OUT OF THIS LICENSE OR THE USE OF THE WORK, EVEN IF LICENSOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. Termination

   a. This License and the rights granted hereunder will terminate automatically upon any breach by You of the terms of this License. Individuals or entities who have received Derivative Works or Collective Works from You under this License, however, will not have their licenses terminated provided such individuals or entities remain in full compliance with those licenses. Sections 1, 2, 5, 6, 7, and 8 will survive any termination of this License.

   b. Subject to the above terms and conditions, the license granted here is perpetual (for the duration of the applicable copyright in the Work). Notwithstanding the above, Licensor reserves the right to release the Work under different license terms or to stop distributing the Work at any time; provided, however that any such election will not serve to withdraw this License (or any other license that has been, or is required to be, granted under the terms of this License), and this License will continue in full force and effect unless terminated as stated above.

8. Miscellaneous

   a. Each time You distribute or publicly digitally perform the Work or a Collective Work, the Licensor offers to the recipient a license to the Work on the same terms and conditions as the license granted to You under this License.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

b. Each time You distribute or publicly digitally perform a Derivative Work, Licensor offers to the recipient a license to the original Work on the same terms and conditions as the license granted to You under this License.

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

d. No term or provision of this License shall be deemed waived and no breach consented to unless such waiver or consent shall be in writing and signed by the party to be charged with such waiver or consent.

e. This License constitutes the entire agreement between the parties with respect to the Work licensed here. There are no understandings, agreements or representations with respect to the Work not specified here. Licensor shall not be bound by any additional provisions that may appear in any communication from You. This License may not be modified without the mutual written agreement of the Licensor and You.

Creative Commons is not a party to this License, and makes no warranty whatsoever in connection with the Work. Creative Commons will not be liable to You or any party on any legal theory for any damages whatsoever, including without limitation any general, special, incidental or consequential damages arising in connection to this license. Notwithstanding the foregoing two (2) sentences, if Creative Commons has expressly identified itself as the Licensor hereunder, it shall have all rights and obligations of Licensor.

Except for the limited purpose of indicating to the public that the Work is licensed under the CCPL, neither party will use the trademark "Creative Commons" or any related trademark or logo of Creative Commons without the prior written consent of Creative Commons. Any permitted use will be in compliance with Creative Commons' then-current trademark usage guidelines, as may be published on its website or otherwise made available upon request from time to time.

Creative Commons may be contacted at: https://creativecommons.org/.

DOM License

W3C® SOFTWARE NOTICE AND LICENSE

http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231

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.

Eclipse Persistence Services Project (EclipseLink) 260 License

Copyright © 2007, Eclipse Foundation, Inc. and its licensors.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

All rights reserved.

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

Eclipse Public License

Eclipse Public License

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

All rights reserved.

1. DEFINITIONS

   "Contribution" means:

   a. In the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and

   b. In the case of each subsequent Contributor: (i) Changes to the Program, and (ii) Additions to the Program.

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

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

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

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

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

2. GRANT OF RIGHTS

   a. Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.

b. Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c. Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d. Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

3. REQUIREMENTS

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

When the Program is made available in source code form: (a) It must be made available under this Agreement; and (b) A copy of this Agreement must be included with each copy of the Program.

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

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

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor")

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

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

5. NO WARRANTY

   EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN “AS IS,” BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

   Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement , including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

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

7. GENERAL

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

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

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

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

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

jboss License

GNU LESSER GENERAL PUBLIC LICENSE Version 2.1, February 1999

Copyright © 1991, 1999 Free Software Foundation, Inc. 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

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

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

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

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

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

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

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

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder.

Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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

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

The Lesser General Public License permits more lax criteria for linking other code with the library.

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

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

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

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

The precise terms and conditions for copying, distribution, and modification follow.

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

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

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

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

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.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executable.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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

   a. Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete 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. Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that;

      i. Uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and

      ii. Will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

   c. Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

   d. If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

e. Verify that the user has already received a copy of these materials or that you have already sent this user a copy. For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it.

   However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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

7. You may place library facilities that are a work based on the Library 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 with this License.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

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

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

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

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

15. NO WARRANTY

    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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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 © year name of author.

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 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 Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; 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.

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!

Jython License

A. TERMS AND CONDITIONS FOR ACCESSING OR OTHERWISE USING JYTHON

PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2

1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using this software ("Jython") in source or binary form and its associated documentation.

2. Subject to the terms and conditions of this License Agreement, PSF hereby grants Licensee a non-exclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Jython alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright © 2007 Python Software Foundation; All Rights Reserved" are retained in Jython alone or in any derivative version prepared by Licensee.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

3. In the event Licensee prepares a derivative work that is based on or incorporates Jython or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Jython.

4. PSF is making Jython available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF JYTHON WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF JYTHON FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING JYTHON, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By copying, installing or otherwise using Jython, Licensee agrees to be bound by the terms and conditions of this License Agreement.

Jython 2.0, 2.1 License

Copyright © 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007 Jython Developers

All rights reserved.

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 REGENTS 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.

JPython 1.1.x Software License

1. This LICENSE AGREEMENT is between the Corporation for National Research Initiatives, having an office at 1895 Preston White Drive, Reston, VA 20191 ("CNRI"), and the Individual or Organization ("Licensee") accessing and using JPython version 1.1.x in source or binary form and its associated documentation as provided herein ("Software").

2. Subject to the terms and conditions of this License Agreement, CNRI hereby grants Licensee a non-exclusive, non-transferable, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use the Software alone or in

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

any derivative version, provided, however, that CNRI's License Agreement and CNRI's notice of copyright, i.e., "Copyright ï¿¾1996-1999 Corporation for National Research Initiatives; All Rights Reserved" are both retained in the Software, alone or in any derivative version prepared by Licensee.

Alternatively, in lieu of CNRI's License Agreement, Licensee may substitute the following text (omitting the quotes), provided, however, that such text is displayed prominently in the Software alone or in any derivative version prepared by Licensee: "JPython (Version 1.1.x) is made available subject to the terms and conditions in CNRI's License Agreement. This Agreement may be located on the Internet using the following unique, persistent identifier (known as a handle): 1895.22/1006. The License may also be obtained from a proxy server on the Web using the following URL: http://hdl.handle.net/1895.22/1006."

3. In the event Licensee prepares a derivative work that is based on or incorporates the Software or any part thereof, and wants to make the derivative work available to the public as provided herein, then Licensee hereby agrees to indicate in any such work, in a prominently visible way, the nature of the modifications made to CNRI's Software.

4. Licensee may not use CNRI trademarks or trade name, including JPython or CNRI, in a trademark sense to endorse or promote products or services of Licensee, or any third party. Licensee may use the mark JPython in connection with Licensee's derivative versions that are based on or incorporate the Software, but only in the form "JPython-based _____," or equivalent.

5. CNRI is making the Software available to Licensee on an "AS IS" basis.

   CNRI MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, CNRI MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

6. CNRI SHALL NOT BE LIABLE TO LICENSEE OR OTHER USERS OF THE SOFTWARE FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF USING, MODIFYING OR DISTRIBUTING THE SOFTWARE, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF. SOME STATES DO NOT ALLOW THE LIMITATION OR EXCLUSION OF LIABILITY SO THE ABOVE DISCLAIMER MAY NOT APPLY TO LICENSEE.

7. This License Agreement may be terminated by CNRI (i) immediately upon written notice from CNRI of any material breach by the Licensee, if the nature of the breach is such that it cannot be promptly remedied; or (ii) sixty (60) days following notice from CNRI to Licensee of a material remediable breach, if Licensee has not remedied such breach within that sixty-day period.

8. This License Agreement shall be governed by and interpreted in all respects by the law of the State of Virginia, excluding conflict of law provisions. Nothing in this Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between CNRI and Licensee.

9. By clicking on the "ACCEPT" button where indicated, or by installing, copying or otherwise using the Software, Licensee agrees to be bound by the terms and conditions of this License Agreement.

B. HISTORY OF THE SOFTWARE

JPython was created in late 1997 by Jim Hugunin. Jim was also the primary developer while he was at CNRI. In February 1999 Barry Warsaw took over as primary developer and released JPython version 1.1.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

In October 2000 Barry helped move the software to SourceForge where it was renamed to Jython. Jython 2.0 and 2.1 were developed under the Jython specific license below.

From the 2.2 release on, Jython contributors have signed Python Software Foundation contributor agreements and releases are covered under the Python Software Foundation license version 2.

The standard library is covered by the Python Software Foundation license as well. See the Lib/LICENSE file for details.

The zxJDBC package was written by Brian Zimmer and originally licensed under the GNU Public License. The package is now covered by the Jython Software License.

The command line interpreter is covered by the Apache Software License. See the org/apache/LICENSE file for details.

See Apache License, Version 2.0.

Netscape LDAP License

The Netscape Public License Version 1.1 ("NPL") consists of the Mozilla Public License Version 1 with the following Amendments, including Exhibit A-Netscape Public License. Files identified with "Exhibit A-Netscape Public License" are governed by the Netscape Public License Version 1.1.

Additional Terms applicable to the Netscape Public License.

I. Effect.

These additional terms described in this Netscape Public License -- Amendments shall apply to the Mozilla Communicator client code and to all Covered Code under this License.

II. "Netscape's Branded Code" means Covered Code that Netscape distributes and/or permits others to distribute under one or more trademark(s) which are controlled by Netscape but which are not licensed for use under this License.

III. Netscape and logo.

This License does not grant any rights to use the trademarks "Netscape", the "Netscape N and horizon" logo or the "Netscape lighthouse" logo, "Netcenter", "Gecko", "Java" or "JavaScript", "Smart Browsing" even if such marks are included in the Original Code or Modifications.

IV. Inability to Comply Due to Contractual Obligation.

Prior to licensing the Original Code under this License, Netscape has licensed third party code for use in Netscape's Branded Code. To the extent that Netscape is limited contractually from making such third party code available under this License, Netscape may choose to reintegrate such code into Covered Code without being required to distribute such code in Source Code form, even if such code would otherwise be considered "Modifications" under this License.

V. Use of Modifications and Covered Code by Initial Developer.

V.1. In General.

The obligations of Section 3 apply to Netscape, except to the extent specified in this Amendment, Section V.2 and V.3.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

V.2. Other Products.

Netscape may include Covered Code in products other than the Netscape's Branded Code which are released by Netscape during the two (2) years following the release date of the Original Code, without such additional products becoming subject to the terms of this License, and may license such additional products on different terms from those contained in this License.

V.3. Alternative Licensing.

Netscape may license the Source Code of Netscape's Branded Code, including Modifications incorporated therein, without such Netscape Branded Code becoming subject to the terms of this License, and may license such Netscape Branded Code on different terms from those contained in this License.

VI. Litigation.

Notwithstanding the limitations of Section 11 above, the provisions regarding litigation in Section 11(a), (b) and © of the License shall apply to all disputes relating to this License.

EXHIBIT A-Netscape Public License.

The contents of this file are subject to the Netscape Public License Version 1.1 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at Link1 /

Software distributed under the License is distributed on an "AS IS" basis, WITHOUT WARRANTY OF ANY KIND, either express or implied. See the License for the specific language governing rights and limitations under the License.

The Original Code is Mozilla Communicator client code, released March 31, 1998.

The Initial Developer of the Original Code is Netscape Communications Corporation. Portions created by Netscape are Copyright © 1998–1999 Netscape Communications Corporation.

All Rights Reserved.

Alternatively, the contents of this file may be used under the terms of the _____ license (the "[___] License"), in which case the provisions of [_____] License are applicable instead of those above. If you wish to allow use of your version of this file only under the terms of the [____] License and not to allow others to use your version of this file under the NPL, indicate your decision by deleting the provisions above and replace them with the notice and other provisions required by the [___] License. If you do not delete the provisions above, a recipient may use your version of this file under either the NPL or the [___] License.

Oasis WS-Security 1 XML Schema License

Oasis Software License

The software as described above and called "OASIS" is filed under no. IDDN.FR.001.130017.00.R.P.2000.000.20900. at the program protection Agency situated in Paris (119 Rue de Flandres, 75019 PARIS - France)

The CNES grants the licensee, be it a physical person or legal entity, a free non-exclusive license.

This license is established in French and English, the French version being the sole binding version.

The license is subject to French law.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

In the event of a dispute, the latter will be presented before the Paris court that has jurisdiction.

TRANSFERRED RIGHTS

On this "OASIS" software available in source code accompanied by the instructions, the CNES grants the licensee the right to use, reproduce, translate, modify and adapt, and incorporate the software into another software.

For the initial version of the "OASIS" software or translations thereof, new versions or versions implying incorporation of the "OASIS" software into another software carried out by the licensee, the latter can redistribute them free of charge accompanied by the same rights as stipulated above, to the exclusion of all other rights. However, redistribution of the "OASIS" software by the licensee is authorised under the express understanding that the rights in the sub-licenses, in view of what belongs to the CNES in these translations or new versions, be transferred under the same conditions as those provided for in this license. It is understood that the licensee will himself obtain from the sub-licensees for the benefit of the CNES communication containing delivery of the source code and the corresponding instructions, of any improvements or new versions that they may have made. Delivery to the CNES of these improvements or new versions made by the sub-licensees authorizes the CNES to redistribute them under the same conditions as those provided for in this license.

It follows that the licensee, on the improvements or new versions made by himself or those made and communicated by his sub-licensees for which he himself will obtain the necessary transfer of rights, will grant the CNES free of charge and with no exclusive right, a right to use, reproduce, translate, modify and adapt, incorporate into another software and to redistribute free of charge or for a fee.

Likewise, the licensee will take charge of the terms of authentication for these sub-licenses.

Failure by the sub-licensees to comply with any one of the conditions stipulated at the transfer of rights will be subject, in the sub-licenses, to the same sanctions on the part of the licensee vis à vis his sub-licensees as those liable to be applied by the CNES to the licensee.

On the other hand, the initial version of the "OASIS" software or any one of the translations thereof or new versions cannot be sold by the licensee without prior written agreement from the CNES.

The rights such as they are stipulated above are granted to the licensee on the distinct understanding that:

§ It is essential to maintain the CNES copyright and the reference to this license that appears on each copy of the initial version of the "OASIS" software and the accompanying instructions but also on all the copies of each translation or new version or any software in which the "OASIS" software has been incorporated.

§ The licensee will not use the "OASIS" software in any way that could damage the image of the CNES, notably its scientific and technical reputation.

§ That the licensee, in the event of redistribution of the "OASIS" software will ensure that the source code and the corresponding instructions are delivered.

§ That the licensee will return to the CNES, at the address indicated above, his agreement duly signed and dated concerning the terms of this license. In the event that the licensee fails to satisfy one of these first three conditions, the CNES could terminate this license without prior notice or indemnity of any kind. If the agreement concerning the terms of the license is not returned signed and dated, it does not and will not have existed.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

§ The licensee also undertakes to communicate to the CNES as soon as possible any improvement or new version of the "OASIS" software which he has made which is not of a sensitive nature for the industrial and commercial activity of the CNES. The licensee authorizes the CNES to redistribute these improvements and new versions under the same conditions as those in this license with the exception of versions subject to a sales agreement from the CNES.

§ Furthermore, the CNES declares that the "OASIS" software was not designed or developed with a view to designing, building or servicing nuclear or medical installations.

Consequently the licensee undertakes not to use it to the ends put forward above and guarantees the CNES that neither he nor any third party to whom he may have redistributed the "OASIS" software will use it to these ends.

GUARANTEE

The licensee uses the "OASIS" software as supplied, on an "as is" basis, at his own risk, without any guarantee of any kind by the CNES. The CNES is under no obligation to correct the bugs or any deficiencies of any nature in the "OASIS" software.

Any guarantee, whatever the express or implicit conditions, any alleged marketing guarantee or guarantee against an action for infringement is excluded here. The CNES is not responsible for any damages sustained by the licensee that may result from the use, modification or distribution of the "OASIS" software or its derivative versions.

Similarly, the CNES is not responsible in any way for any loss of income, profit or data, or any direct or indirect damages liable to arise from using the software or because the latter is not operative, even if the CNES has been warned of the prospect of such damages.

In the event that the CNES has agreed for the licensee to market any version of the "OASIS" software, this agreement would give rise to special provisions.

By using the "OASIS" software, the user accepts the terms of the above license.

If you "click" now, this means that you accept all the conditions of this license.

Serp License

Copyright (c) 2002, A. Abram White

All rights reserved.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND

ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED

WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE

DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR

ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

(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.

xhtml License

Copyright © 2002 W3C.

All rights reserved.

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

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

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT. 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.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Appendix D

Additional Java Information

Java SE 8 Third Party License Readme

DO NOT TRANSLATE OR LOCALIZE.

%% This notice is provided with respect to ASM Bytecode Manipulation

Framework v5.0.3, which may be included with JRE 8, and JDK 8, and

OpenJDK 8.

--- begin of LICENSE ---

Copyright (c) 2000-2011 France Télécom

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. Neither the name of the copyright holders nor the names of its

contributors may be used to endorse or promote products derived from

this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"

AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE

IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

--- end of LICENSE ---

%% This notice is provided with respect to BSDiff v4.3, which may be included with JRE 8, JDK 8, and OpenJDK 8.

--- begin of LICENSE ---

Copyright 2003-2005 Colin Percival

All rights reserved

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

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

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

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

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

--- end of LICENSE ---

%% This notice is provided with respect to CodeViewer 1.0, which may be
included with JDK 8.

--- begin of LICENSE ---

Copyright 1999 by CoolServlets.com.

Any errors or suggested improvements to this class can be reported as
instructed on CoolServlets.com. We hope you enjoy this program... your
comments will encourage further development! This software is distributed
under the terms of the BSD License. Redistribution and use in source and
binary forms, with or without modification, are permitted provided that the
following conditions are met:

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

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

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

THIS SOFTWARE IS PROVIDED BY COOLSERVLETS.COM 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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY

DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES

(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;

LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON

ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT

(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS

SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE."

--- end of LICENSE ---

%% This notice is provided with respect to Cryptix AES 3.2.0, which may be

included with JRE 8, JDK 8, and OpenJDK 8.

--- begin of LICENSE ---

Cryptix General License

Copyright (c) 1995-2005 The Cryptix Foundation Limited.

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 copyright notice,

this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright

notice, this list of conditions and the following disclaimer in

the documentation and/or other materials provided with the

distribution.

THIS SOFTWARE IS PROVIDED BY THE CRYPTIX FOUNDATION LIMITED 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.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

IN NO EVENT SHALL THE CRYPTIX FOUNDATION LIMITED 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.

--- end of LICENSE ---

%% This notice is provided with respect to CUP Parser Generator for Java 0.10k, which may be included with JRE 8, JDK 8, and OpenJDK 8.

--- begin of LICENSE ---

Copyright 1996-1999 by Scott Hudson, Frank Flannery, C. Scott Ananian

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both the copyright notice and this permission notice and warranty disclaimer appear in supporting documentation, and that the names of the authors or their employers not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

The authors and their employers disclaim all warranties with regard to this software, including all implied warranties of merchantability and fitness. In no event shall the authors or their employers be liable for any special, indirect or consequential damages or any damages whatsoever resulting from loss of use, data or profits, whether in an action of contract, negligence or other tortious action, arising out of or in connection with the use or performance of this software.

--- end of LICENSE ---

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

%% This notice is provided with respect to Document Object Model (DOM) Level 2 & 3, which may be included with JRE 8, JDK 8, and OpenJDK 8.

--- begin of LICENSE ---

W3C SOFTWARE NOTICE AND LICENSE

http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231

This work (and included software, documentation such as READMEs, or other related items) is being provided by the copyright holders under the following 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:

1.The full text of this NOTICE in a location viewable to users of the redistributed or derivative work.

2.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.

3.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.)

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

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

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. Please see our Copyright FAQ for common questions about using materials from our site, including specific terms and conditions for packages like libwww, Amaya, and Jigsaw. Other questions about this notice can be directed to site-policy@w3.org.

--- end of LICENSE ---

%% This notice is provided with respect to Dynalink v0.5, which may be included with JRE 8, JDK 8, and OpenJDK 8.

--- begin of LICENSE ---

Copyright (c) 2009-2013, Attila Szegedi

All rights reserved.Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

met:* Redistributions of source code must retain the above copyright notice,

this list of conditions and the following disclaimer. * Redistributions in

binary form must reproduce the above copyright notice, this list of

conditions and the following disclaimer in the documentation and/or other

materials provided with the distribution. * Neither the name of Attila

Szegedi nor the names of its contributors may be used to endorse or promote

products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"AND

ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED

WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE

DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE

FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL

DAMAGES (INCLUDING, BUT NOT 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 THEPOSSIBILITY OF SUCH DAMAGE.

--- end of LICENSE ---

%% This notice is provided with respect to Elliptic Curve Cryptography, which

may be included with JRE 8, JDK 8, and OpenJDK 8.

You are receiving a copy of the Elliptic Curve Cryptography library in source

form with the JDK 8 and OpenJDK 8 source distributions, and as object code in

the JRE 8 & JDK 8 runtimes.

In the case of the JRE 8 & JDK 8 runtimes, the terms of the Oracle license do

NOT apply to the Elliptic Curve Cryptography library; it is licensed under the

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

following license, separately from Oracle's JDK & JRE. If you do not wish to install the Elliptic Curve Cryptography library, you may delete the library named libsunec.so (on Solaris and Linux systems) or sunec.dll (on Windows systems) from the JRE bin directory reserved for native libraries.

--- begin of LICENSE ---

GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.

51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies

of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts

as the successor of the GNU Library Public License, version 2, hence

the version number 2.1.]

Preamble

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

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

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

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

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

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

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

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

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

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

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

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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

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

GNU LESSER GENERAL PUBLIC LICENSE

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

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

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

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.
d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.
e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.
For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.
It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
distribute.
7. You may place library facilities that are a work based on the
Library 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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

facilities. This must be distributed under the terms of the
Sections above.

b) Give prominent notice with the combined library of the fact
that part of it is a work based on the Library, and explaining
where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute
the Library except as expressly provided under this License. Any
attempt otherwise to copy, modify, sublicense, link with, or
distribute the Library is void, and will automatically terminate your
rights under this License. However, parties who have received copies,
or rights, from you under this License will not have their licenses
terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Library or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Library (or any work based on the
Library), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the
Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library
subject to these terms and conditions. You may not impose any further
restrictions on the recipients' exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties with
this License.

11. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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,

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

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

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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 a brief 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 Lesser General Public License as published by the Free Software Foundation; either

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

version 2.1 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

Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public

License along with this library; 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.

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!

--- end of LICENSE ---

%% This notice is provided with respect to ECMAScript Language

Specification ECMA-262 Edition 5.1 which may be included with

JRE 8, JDK 8, and OpenJDK 8.

--- begin of LICENSE ---

Copyright notice

Copyright © 2011 Ecma International

Ecma International

Rue du Rhone 114

CH-1204 Geneva

Tel: +41 22 849 6000

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Fax: +41 22 849 6001

Web: http://www.ecma-international.org

This document and possible translations of it may be copied and furnished to others, and derivative works that comment on or otherwise explain it or assist in its implementation may be prepared, copied, published, and distributed, in whole or in part, without restriction of any kind, provided that the above copyright notice and this section are included on all such copies and derivative works. However, this document itself may not be modified in any way, including by removing the copyright notice or references to Ecma International, except as needed for the purpose of developing any document or deliverable produced by Ecma International (in which case the rules applied to copyrights must be followed) or as required to translate it into languages other than English. The limited permissions granted above are perpetual and will not be revoked by Ecma International or its successors or assigns. This document and the information contained herein is provided on an "AS IS" basis and ECMA INTERNATIONAL

DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY

WARRANTY THAT THE USE OF THE INFORMATION HEREIN WILL NOT INFRINGE ANY OWNERSHIP

RIGHTS OR ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR

PURPOSE." Software License

All Software contained in this document ("Software)" is protected by copyright and is being made available under the "BSD License", included below. This Software may be subject to third party rights (rights from parties other than Ecma International), including patent rights, and no licenses under such third party rights are granted under this license even if the third party concerned is a member of Ecma International. SEE THE ECMA CODE OF CONDUCT IN PATENT MATTERS AVAILABLE AT http://www.ecma-international.org/memento/codeofconduct.htm FOR INFORMATION REGARDING THE LICENSING OF PATENT CLAIMS THAT ARE REQUIRED TO IMPLEMENT ECMA INTERNATIONAL STANDARDS*. Redistribution and use in source and

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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 authors nor Ecma International may be used to endorse

or promote products derived from this software without specific prior written

permission.

THIS SOFTWARE IS PROVIDED BY THE ECMA INTERNATIONAL "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 ECMA INTERNATIONAL 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.

--- end of LICENSE ---

%% This notice is provided with respect to Dynalink library which is included

with the Nashorn technology.

--- begin of LICENSE ---

Copyright (c) 2009-2013, Attila Szegedi

Redistribution and use in source and binary forms, with or without

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

modification, are permitted provided that the following conditions are
met:
* Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
* Neither the name of the copyright holder nor the names of
contributors may be used to endorse or promote products derived from
this software without specific prior written permission.
THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS
IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED
TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A
PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL COPYRIGHT HOLDER
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.
--- end of LICENSE ---
%% This notice is provided with respect to Joni library which is included
with the Nashorn technology.
--- begin of 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

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

of the Software, and to permit persons to whom the Software is furnished to do

so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all

copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR

IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,

FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE

AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER

LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,

OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE

SOFTWARE.

--- end of LICENSE ---

%% This notice is provided with respect to FontConfig 2.5, which may be

included with JRE 8, JDK 8, and OpenJDK 8 source distributions on

Linux and Solaris.

--- begin of LICENSE ---

Copyright © 2001,2003 Keith Packard

Permission to use, copy, modify, distribute, and sell this software and its

documentation for any purpose is hereby granted without fee, provided that the

above copyright notice appear in all copies and that both that copyright

notice and this permission notice appear in supporting documentation, and that

the name of Keith Packard not be used in advertising or publicity pertaining

to distribution of the software without specific, written prior permission.

Keith Packard makes no representations about the suitability of this software

for any purpose. It is provided "as is" without express or implied warranty.

KEITH PACKARD DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL KEITH

PACKARD BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY

DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN

ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN

CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

--- end of LICENSE ---

%% This notice is provided with respect to IAIK PKCS#11 Wrapper,

which may be included with JRE 8, JDK 8, and OpenJDK 8.

--- begin of LICENSE ---

IAIK PKCS#11 Wrapper License

Copyright (c) 2002 Graz University of Technology. 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 IAIK of Graz University of

Technology."

Alternately, this acknowledgment may appear in the software itself, if and

wherever such third-party acknowledgments normally appear.

4. The names "Graz University of Technology" and "IAIK of Graz University of

Technology" must not be used to endorse or promote products derived from this

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

software without prior written permission.

5. Products derived from this software may not be called "IAIK PKCS Wrapper",

nor may "IAIK" appear in their name, without prior written permission of

Graz University of Technology.

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

LICENSOR 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.

--- end of LICENSE ---

%% This notice is provided with respect to ICU4C 4.0.1 and ICU4J 4.4, which

may be included with JRE 8, JDK 8, and OpenJDK 8.

--- begin of LICENSE ---

Copyright (c) 1995-2010 International Business Machines Corporation and others

All rights reserved.

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, and/or sell copies of the

Software, and to permit persons to whom the Software is furnished to do so,

provided that the above copyright notice(s) and this permission notice appear

in all copies of the Software and that both the above copyright notice(s) and

this permission notice appear in supporting documentation.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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 OF THIRD PARTY RIGHTS. IN

NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE

LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY

DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN

ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN

CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not

be used in advertising or otherwise to promote the sale, use or other dealings

in this Software without prior written authorization of the copyright holder.

All trademarks and registered trademarks mentioned herein are the property of

their respective owners.

--- end of LICENSE ---

%% This notice is provided with respect to IJG JPEG 6b, which may be

included with JRE 8, JDK 8, and OpenJDK 8.

--- begin of LICENSE ---

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.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

(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.
--- end of LICENSE ---

%% This notice is provided with respect to Joni v1.1.9, which may be
included with JRE 8, JDK 8, and OpenJDK 8.
--- begin of LICENSE ---
Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to deal
in the Software without restriction, including without limitation the rights
to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
copies of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:
The above copyright notice and this permission notice shall be included in all
copies or substantial portions of the Software.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

--- end of LICENSE ---

%% This notice is provided with respect to JOpt-Simple v3.0, which may be

included with JRE 8, JDK 8, and OpenJDK 8.

--- begin of LICENSE ---

Copyright (c) 2004-2009 Paul R. Holser, Jr.

Permission is hereby granted, free of charge, to any person obtaining

a copy of this software and associated documentation files (the

"Software"), to deal in the Software without restriction, including

without limitation the rights to use, copy, modify, merge, publish,

distribute, sublicense, and/or sell copies of the Software, and to

permit persons to whom the Software is furnished to do so, subject to

the following conditions:

The above copyright notice and this permission notice shall be

included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,

EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF

MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND

NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE

LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION

OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

--- end of LICENSE ---

%% This notice is provided with respect to JSON, which may be included

with JRE 8 & JDK 8.

--- begin of LICENSE ---

Copyright (c) 2002 JSON.org

Permission is hereby granted, free of charge, to any person obtaining a copy

of this software and associated documentation files (the "Software"), to deal

in the Software without restriction, including without limitation the rights

to use, copy, modify, merge, publish, distribute, sublicense, and/or sell

copies of the Software, and to permit persons to whom the Software is

furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all

copies or substantial portions of the Software.

The Software shall be used for Good, not Evil.

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.

--- end of LICENSE ---

%% This notice is provided with respect to Kerberos functionality, which

which may be included with JRE 8, JDK 8, and OpenJDK 8.

--- begin of LICENSE ---

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

(C) Copyright IBM Corp. 1999 All Rights Reserved.

Copyright 1997 The Open Group Research Institute. All rights reserved.

--- end of LICENSE ---

%% This notice is provided with respect to Kerberos functionality from

FundsXpress, INC., which may be included with JRE 8, JDK 8, and OpenJDK 8.

--- begin of LICENSE ---

Copyright (C) 1998 by the FundsXpress, INC.

All rights reserved.

Export of this software from the United States of America may require

a specific license from the United States Government. It is the

responsibility of any person or organization contemplating export to

obtain such a license before exporting.

WITHIN THAT CONSTRAINT, permission to use, copy, modify, and

distribute this software and its documentation for any purpose and

without fee is hereby granted, provided that the above copyright

notice appear in all copies and that both that copyright notice and

this permission notice appear in supporting documentation, and that

the name of FundsXpress. not be used in advertising or publicity pertaining

to distribution of the software without specific, written prior

permission. FundsXpress makes no representations about the suitability of

this software for any purpose. It is provided "as is" without express

or implied warranty.

THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR

IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED

WARRANTIES OF MERCHANTIBILITY AND FITNESS FOR A PARTICULAR PURPOSE.

--- end of LICENSE ---

%% This notice is provided with respect to Kronos OpenGL headers, which may be

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

included with JDK 8 and OpenJDK 8 source distributions.

--- begin of LICENSE ---

Copyright (c) 2007 The Khronos Group Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy

of this software and/or associated documentation files (the "Materials"), to

deal in the Materials without restriction, including without limitation the

rights to use, copy, modify, merge, publish, distribute, sublicense, and/or

sell copies of the Materials, and to permit persons to whom the Materials are

furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all

copies or substantial portions of the Materials.

THE MATERIALS ARE 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 MATERIALS OR THE USE OR OTHER DEALINGS IN THE

MATERIALS.

--- end of LICENSE ---

%% Portions Copyright Eastman Kodak Company 1992

%% This notice is provided with respect to libpng 1.6.16, which may be

included with JRE 8, JDK 8, and OpenJDK 8.

--- begin of LICENSE ---

This copy of the libpng notices is provided for your convenience. In case of

any discrepancy between this copy and the notices in the file png.h that is

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

included in the libpng distribution, the latter shall prevail.

COPYRIGHT NOTICE, DISCLAIMER, and LICENSE:

If you modify libpng you may insert additional notices immediately following this sentence.

This code is released under the libpng license.

libpng versions 1.2.6, August 15, 2004, through 1.6.16, December 22, 2014, are Copyright (c) 2004, 2006-2014 Glenn Randers-Pehrson, and are distributed according to the same disclaimer and license as libpng-1.2.5 with the following individual added to the list of Contributing Authors

Cosmin Truta

libpng versions 1.0.7, July 1, 2000, through 1.2.5 - October 3, 2002, are Copyright (c) 2000-2002 Glenn Randers-Pehrson, 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

Simon-Pierre Cadieux

Eric S. Raymond

Gilles Vollant

and with the following additions to the disclaimer:

There is no warranty against interference with your enjoyment of the library or against infringement. There is no warranty that our efforts or the library will fulfill any of your particular purposes or needs. This library is provided with all faults, and the entire risk of satisfactory quality, performance, accuracy, and effort is with the user.

libpng versions 0.97, January 1998, through 1.0.6, March 20, 2000, are Copyright (c) 1998, 1999 Glenn Randers-Pehrson, 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:

Tom Lane

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Glenn Randers-Pehrson

Willem van Schaik

libpng versions 0.89, June 1996, through 0.96, May 1997, are

Copyright (c) 1996, 1997 Andreas Dilger

Distributed according to the same disclaimer and license as libpng-0.88,

with the following individuals added to the list of Contributing Authors:

John Bowler

Kevin Bracey

Sam Bushell

Magnus Holmgren

Greg Roelofs

Tom Tanner

libpng versions 0.5, May 1995, through 0.88, January 1996, are

Copyright (c) 1995, 1996 Guy Eric Schalnat, Group 42, Inc.

For the purposes of this copyright and license, "Contributing Authors"

is defined as the following set of individuals:

Andreas Dilger

Dave Martindale

Guy Eric Schalnat

Paul Schmidt

Tim Wegner

The PNG Reference Library is supplied "AS IS". The Contributing Authors

and Group 42, Inc. disclaim all warranties, expressed or implied,

including, without limitation, the warranties of merchantability and of

fitness for any purpose. The Contributing Authors and Group 42, Inc.

assume no liability for direct, indirect, incidental, special, exemplary,

or consequential damages, which may result from the use of the PNG

Reference Library, even if advised of the possibility of such damage.

Permission is hereby granted to use, copy, modify, and distribute this

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

source code, or portions hereof, for any purpose, without fee, subject
to the following restrictions:
1. The origin of this source code must not be misrepresented.
2. Altered versions must be plainly marked as such and must not
be misrepresented as being the original source.
3. This Copyright notice may not be removed or altered from any
source or altered source distribution.
The Contributing Authors and Group 42, Inc. specifically permit, without
fee, and encourage the use of this source code as a component to
supporting the PNG file format in commercial products. If you use this
source code in a product, acknowledgment is not required but would be
appreciated.
A "png_get_copyright" function is available, for convenient use in "about"
boxes and the like:
printf("%s",png_get_copyright(NULL));
Also, the PNG logo (in PNG format, of course) is supplied in the
files "pngbar.png" and "pngbar.jpg (88x31) and "pngnow.png" (98x31).
Libpng is OSI Certified Open Source Software. OSI Certified Open Source is a
certification mark of the Open Source Initiative.
Glenn Randers-Pehrson
glennrp at users.sourceforge.net
December 22, 2014
--- end of LICENSE ---

%% This notice is provided with respect to libungif 4.1.3, which may be
included with JRE 8, JDK 8, and OpenJDK 8.
--- begin of LICENSE ---
The GIFLIB distribution is Copyright (c) 1997 Eric S. Raymond
Permission is hereby granted, free of charge, to any person obtaining a copy

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

of this software and associated documentation files (the "Software"), to deal
in the Software without restriction, including without limitation the rights
to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
copies of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:
The above copyright notice and this permission notice shall be included in
all copies or substantial portions of the Software.
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL
THE
AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING
FROM,
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN
THE SOFTWARE.
--- end of LICENSE ---

%% This notice is provided with respect to Little CMS 2.5, which may be
included with JRE 8, JDK 8, and OpenJDK 8.
--- begin of LICENSE ---
Little CMS
Copyright (c) 1998-2011 Marti Maria Saguer
Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to deal
in the Software without restriction, including without limitation the rights
to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
copies of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:
The above copyright notice and this permission notice shall be included in all

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

--- end of LICENSE ---

%% Lucida is a registered trademark or trademark of Bigelow & Holmes in the

U.S. and other countries.

%% This notice is provided with respect to Mesa 3D Graphics Library v4.1,

which may be included with JRE 8, JDK 8, and OpenJDK 8 source distributions.

--- begin of LICENSE ---

Mesa 3-D graphics library

Version: 4.1

Copyright (C) 1999-2002 Brian Paul All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a

copy of this software and associated documentation files (the "Software"),

to deal in the Software without restriction, including without limitation

the rights to use, copy, modify, merge, publish, distribute, sublicense,

and/or sell copies of the Software, and to permit persons to whom the

Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included

in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL BRIAN PAUL 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.

--- end of LICENSE ---

%% This notice is provided with respect to Mozilla Network Security Services (NSS), which is supplied with the JDK test suite in the OpenJDK source code repository. It is licensed under Mozilla Public License (MPL), version 2.0.

The NSS libraries are supplied in executable form, built from unmodified NSS source code labeled with the "NSS_3_16_RTM" HG tag.

The NSS source code is available in the OpenJDK source code repository at:

jdk/test/sun/security/pkcs11/nss/src

The NSS libraries are available in the OpenJDK source code repository at:

jdk/test/sun/security/pkcs11/nss/lib

--- begin of LICENSE ---

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"

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

means Covered Software of a particular Contributor.

1.4. "Covered Software"

means Source Code Form to which the initial Contributor has attached the notice in Exhibit A, the Executable Form of such Source Code Form, and Modifications of such Source Code Form, in each case including portions thereof.

1.5. "Incompatible With Secondary Licenses"

means

(a) that the initial Contributor has attached the notice described in Exhibit B to the Covered Software; or

(b) that the Covered Software was made available under the terms of version 1.1 or earlier of the License, but not also under the terms of a Secondary License.

1.6. "Executable Form"

means any form of the work other than Source Code Form.

1.7. "Larger Work"

means a work that combines Covered Software with other material, in a separate file or files, that is not Covered Software.

1.8. "License"

means this document.

1.9. "Licensable"

means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently, any and all of the rights conveyed by this License.

1.10. "Modifications"

means any of the following:

(a) any file in Source Code Form that results from an addition to, deletion from, or modification of the contents of Covered Software; or

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

(b) any new file in Source Code Form that contains any Covered Software.

1.11. "Patent Claims" of a Contributor

means any patent claim(s), including without limitation, method, process, and apparatus claims, in any patent Licensable by such Contributor that would be infringed, but for the grant of the License, by the making, using, selling, offering for sale, having made, import, or transfer of either its Contributions or its Contributor Version.

1.12. "Secondary License"

means either the GNU General Public License, Version 2.0, the GNU Lesser General Public License, Version 2.1, the GNU Affero General Public License, Version 3.0, or any later versions of those licenses.

1.13. "Source Code Form"

means the form of the work preferred for making modifications.

1.14. "You" (or "Your")

means an individual or a legal entity exercising rights under this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants and Conditions

2.1. Grants

Each Contributor hereby grants You a world-wide, royalty-free,

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by such Contributor to use, reproduce, make available, modify, display, perform, distribute, and otherwise exploit its Contributions, either on an unmodified basis, with Modifications, or as part of a Larger Work; and

(b) under Patent Claims of such Contributor to make, use, sell, offer for sale, have made, import, and otherwise transfer either its Contributions or its Contributor Version.

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:

(a) for any code that a Contributor has removed from Covered Software; or

(b) for infringements caused by: (i) Your and any other third party's modifications of Covered Software, or (ii) the combination of its Contributions with other software (except as part of its Contributor Version); or

(c) under Patent Claims infringed by Covered Software in the absence of its Contributions.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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:

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

(a) such Covered Software must also be made available in Source Code Form, as described in Section 3.1, and You must inform recipients of the Executable Form how they can obtain a copy of such Source Code Form by reasonable means in a timely manner, at a charge no more than the cost of distribution to the recipient; and

(b) You may distribute such Executable Form under the terms of this License, or sublicense it under different terms, provided that the license for the Executable Form does not attempt to limit or alter the recipients' rights in the Source Code Form under this License.

3.3. 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

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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 *

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

* 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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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 http://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.

--- end of LICENSE ---

%% This notice is provided with respect to PC/SC Lite for Suse Linux v.1.1.1, which may be included with JRE 8, JDK 8, and OpenJDK 8 on Linux and Solaris.

--- begin of LICENSE ---

Copyright (c) 1999-2004 David Corcoran <corcoran@linuxnet.com>

Copyright (c) 1999-2004 Ludovic Rousseau <ludovic.rousseau (at) free.fr>

All rights reserved.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software
must display the following acknowledgement:
This product includes software developed by:
David Corcoran <corcoran@linuxnet.com>
http://www.linuxnet.com (MUSCLE)
4. The name of the author may not be used to endorse or promote products
derived from this software without specific prior written permission.
Changes to this license can be made only by the copyright author with
explicit written consent.
THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR
IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,
INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
--- end of LICENSE ---

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

%% This notice is provided with respect to PorterStemmer v4, which may be included with JRE 8, JDK 8, and OpenJDK 8.

--- begin of LICENSE ---

See: http://tartarus.org/~martin/PorterStemmer

The software is completely free for any purpose, unless notes at the head of the program text indicates otherwise (which is rare). In any case, the notes about licensing are never more restrictive than the BSD License.

In every case where the software is not written by me (Martin Porter), this licensing arrangement has been endorsed by the contributor, and it is therefore unnecessary to ask the contributor again to confirm it.

I have not asked any contributors (or their employers, if they have them) for proofs that they have the right to distribute their software in this way.

--- end of LICENSE ---

%% This notice is provided with respect to Relax NG Object/Parser v.20050510, which may be included with JRE 8, JDK 8, and OpenJDK 8.

--- begin of LICENSE ---

Copyright (c) Kohsuke Kawaguchi

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

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

--- end of LICENSE ---

%% This notice is provided with respect to RelaxNGCC v1.12, which may be

included with JRE 8, JDK 8, and OpenJDK 8.

--- begin of LICENSE ---

Copyright (c) 2000-2003 Daisuke Okajima and Kohsuke Kawaguchi.

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 Daisuke Okajima

and Kohsuke Kawaguchi (http://relaxngcc.sf.net/)."

Alternately, this acknowledgment may appear in the software itself, if and

wherever such third-party acknowledgments normally appear.

4. The names of the copyright holders must not be used to endorse or promote

products derived from this software without prior written permission. For

written permission, please contact the copyright holders.

5. Products derived from this software may not be called "RELAXNGCC", nor may

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

"RELAXNGCC" appear in their name, without prior written permission of the

copyright holders.

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.

--- end of LICENSE ---

%% This notice is provided with respect to SAX 2.0.1, which may be included

with JRE 8, JDK 8, and OpenJDK 8.

--- begin of LICENSE ---

SAX is free!

In fact, it's not possible to own a license to SAX, since it's been placed in

the public domain.

No Warranty

Because SAX is released to the public domain, there is no warranty for the

design or for the software implementation, to the extent permitted by

applicable law. Except when otherwise stated in writing the copyright holders

and/or other parties provide SAX "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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

to the quality and performance of SAX is with you. Should SAX prove defective, you assume the cost of all necessary servicing, repair or correction.

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 SAX, be liable to you for damages, including any general, special, incidental or consequential damages arising out of the use or inability to use SAX (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 SAX to operate with any other programs), even if such holder or other party has been advised of the possibility of such damages.

Copyright Disclaimers

This page includes statements to that effect by David Megginson, who would have been able to claim copyright for the original work. SAX 1.0

Version 1.0 of the Simple API for XML (SAX), created collectively by the membership of the XML-DEV mailing list, is hereby released into the public domain.

No one owns SAX: you may use it freely in both commercial and non-commercial applications, bundle it with your software distribution, include it on a CD-ROM, list the source code in a book, mirror the documentation at your own web site, or use it in any other way you see fit.

David Megginson, sax@megginson.com

1998-05-11

SAX 2.0

I hereby abandon any property rights to SAX 2.0 (the Simple API for XML), and release all of the SAX 2.0 source code, compiled code, and documentation contained in this distribution into the Public Domain. SAX comes with NO WARRANTY or guarantee of fitness for any purpose.

David Megginson, david@megginson.com

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

2000-05-05

--- end of LICENSE ---

%% This notice is provided with respect to SoftFloat version 2b, which may be

included with JRE 8, JDK 8, and OpenJDK 8 on Linux/ARM.

--- begin of LICENSE ---

Use of any of this software is governed by the terms of the license below:

SoftFloat was written by me, John R. Hauser. This work was made possible in

part by the International Computer Science Institute, located at Suite 600,

1947 Center Street, Berkeley, California 94704. Funding was partially

provided by the National Science Foundation under grant MIP-9311980. The

original version of this code was written as part of a project to build

a fixed-point vector processor in collaboration with the University of

California at Berkeley, overseen by Profs. Nelson Morgan and John Wawrzynek.

THIS SOFTWARE IS DISTRIBUTED AS IS, FOR FREE. Although reasonable effort

has been made to avoid it, THIS SOFTWARE MAY CONTAIN FAULTS THAT WILL AT

TIMES RESULT IN INCORRECT BEHAVIOR. USE OF THIS SOFTWARE IS RESTRICTED TO

PERSONS AND ORGANIZATIONS WHO CAN AND WILL TAKE FULL RESPONSIBILITY FOR ALL

LOSSES, COSTS, OR OTHER PROBLEMS THEY INCUR DUE TO THE SOFTWARE, AND WHO

FURTHERMORE EFFECTIVELY INDEMNIFY JOHN HAUSER AND THE INTERNATIONAL COMPUTER

SCIENCE INSTITUTE (possibly via similar legal warning) AGAINST ALL LOSSES,

COSTS, OR OTHER PROBLEMS INCURRED BY THEIR CUSTOMERS AND CLIENTS DUE TO THE

SOFTWARE.

Derivative works are acceptable, even for commercial purposes, provided

that the minimal documentation requirements stated in the source code are

satisfied.

--- end of LICENSE ---

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

%% This notice is provided with respect to Sparkle 1.5,

which may be included with JRE 8 on Mac OS X.

--- begin of LICENSE ---

Copyright (c) 2012 Sparkle.org and Andy Matuschak

Permission is hereby granted, free of charge, to any person obtaining a copy

of this software and associated documentation files (the "Software"), to deal

in the Software without restriction, including without limitation the rights

to use, copy, modify, merge, publish, distribute, sublicense, and/or sell

copies of the Software, and to permit persons to whom the Software is

furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all

copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR

IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,

FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE

AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER

LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,

OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE

SOFTWARE.

--- end of LICENSE ---

%% Portions licensed from Taligent, Inc.

%% This notice is provided with respect to Thai Dictionary, which may be

included with JRE 8, JDK 8, and OpenJDK 8.

--- begin of LICENSE ---

Copyright (C) 1982 The Royal Institute, Thai Royal Government.

Copyright (C) 1998 National Electronics and Computer Technology Center,

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

National Science and Technology Development Agency,

Ministry of Science Technology and Environment,

Thai Royal Government.

Permission is hereby granted, free of charge, to any person obtaining a copy

of this software and associated documentation files (the "Software"), to deal

in the Software without restriction, including without limitation the rights

to use, copy, modify, merge, publish, distribute, sublicense, and/or sell

copies of the Software, and to permit persons to whom the Software is

furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all

copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR

IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,

FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE

AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER

LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,

OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE

SOFTWARE.

--- end of LICENSE ---

%% This notice is provided with respect to Unicode 6.2.0 & CLDR 21.0.1

which may be included with JRE 8, JDK 8, and OpenJDK 8.

--- begin of LICENSE ---

Unicode Terms of Use

For the general privacy policy governing access to this site, see the Unicode

Privacy Policy. For trademark usage, see the Unicode® Consortium Name and

Trademark Usage Policy.

A. Unicode Copyright.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

1. Copyright © 1991-2013 Unicode, Inc. All rights reserved.
2. Certain documents and files on this website contain a legend indicating that "Modification is permitted." Any person is hereby authorized, without fee, to modify such documents and files to create derivative works conforming to the Unicode® Standard, subject to Terms and Conditions herein.
3. Any person is hereby authorized, without fee, to view, use, reproduce, and distribute all documents and files solely for informational purposes in the creation of products supporting the Unicode Standard, subject to the Terms and Conditions herein.
4. Further specifications of rights and restrictions pertaining to the use of the particular set of data files known as the "Unicode Character Database" can be found in Exhibit 1.
5. Each version of the Unicode Standard has further specifications of rights and restrictions of use. For the book editions (Unicode 5.0 and earlier), these are found on the back of the title page. The online code charts carry specific restrictions. All other files, including online documentation of the core specification for Unicode 6.0 and later, are covered under these general Terms of Use.
6. No license is granted to "mirror" the Unicode website where a fee is charged for access to the "mirror" site.
7. Modification is not permitted with respect to this document. All copies of this document must be verbatim.
B. Restricted Rights Legend. Any technical data or software which is licensed to the United States of America, its agencies and/or instrumentalities under this Agreement is commercial technical data or commercial computer software developed exclusively at private expense as defined in FAR 2.101, or DFARS 252.227-7014 (June 1995), as applicable. For technical data, use, duplication, or disclosure by the Government is subject to restrictions as

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

set forth in DFARS 202.227-7015 Technical Data, Commercial and Items (Nov 1995) and this Agreement. For Software, in accordance with FAR 12-212 or DFARS 227-7202, as applicable, use, duplication or disclosure by the Government is subject to the restrictions set forth in this Agreement.

C. Warranties and Disclaimers.

1. This publication and/or website may include technical or typographical errors or other inaccuracies . Changes are periodically added to the information herein; these changes will be incorporated in new editions of the publication and/or website. Unicode may make improvements and/or changes in the product(s) and/or program(s) described in this publication and/or website at any time.

2. If this file has been purchased on magnetic or optical media from Unicode, Inc. the sole and exclusive remedy for any claim will be exchange of the defective media within ninety (90) days of original purchase.

3. EXCEPT AS PROVIDED IN SECTION C.2, THIS PUBLICATION AND/OR SOFTWARE IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND EITHER EXPRESS, IMPLIED, OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. UNICODE AND ITS LICENSORS ASSUME NO RESPONSIBILITY FOR ERRORS OR OMISSIONS IN THIS PUBLICATION AND/OR SOFTWARE OR OTHER DOCUMENTS WHICH ARE REFERENCED BY OR LINKED TO THIS PUBLICATION OR THE UNICODE WEBSITE.

D. Waiver of Damages. In no event shall Unicode or its licensors be liable for any special, incidental, indirect or consequential damages of any kind, or any damages whatsoever, whether or not Unicode was advised of the possibility of the damage, including, without limitation, those resulting from the following: loss of use, data or profits, in connection with the use, modification or distribution of this information or its derivatives.

E.Trademarks & Logos.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

1. The Unicode Word Mark and the Unicode Logo are trademarks of Unicode, Inc. “The Unicode Consortium” and “Unicode, Inc.” are trade names of Unicode, Inc. Use of the information and materials found on this website indicates your acknowledgement of Unicode, Inc.’s exclusive worldwide rights in the Unicode Word Mark, the Unicode Logo, and the Unicode trade names.
2. The Unicode Consortium Name and Trademark Usage Policy (“Trademark Policy”) are incorporated herein by reference and you agree to abide by the provisions of the Trademark Policy, which may be changed from time to time in the sole discretion of Unicode, Inc.
3. All third party trademarks referenced herein are the property of their respective owners.

Miscellaneous.

1. Jurisdiction and Venue. This server is operated from a location in the State of California, United States of America. Unicode makes no representation that the materials are appropriate for use in other locations. If you access this server from other locations, you are responsible for compliance with local laws. This Agreement, all use of this site and any claims and damages resulting from use of this site are governed solely by the laws of the State of California without regard to any principles which would apply the laws of a different jurisdiction. The user agrees that any disputes regarding this site shall be resolved solely in the courts located in Santa Clara County, California. The user agrees said courts have personal jurisdiction and agree to waive any right to transfer the dispute to any other forum.
2. Modification by Unicode. Unicode shall have the right to modify this Agreement at any time by posting it to this site. The user may not assign any part of this Agreement without Unicode’s prior written consent.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

3. Taxes. The user agrees to pay any taxes arising from access to this website or use of the information herein, except for those based on Unicode's net income.

4. Severability. If any provision of this Agreement is declared invalid or unenforceable, the remaining provisions of this Agreement shall remain in effect.

5. Entire Agreement. This Agreement constitutes the entire agreement between the parties.

EXHIBIT 1

UNICODE, INC. LICENSE AGREEMENT - DATA FILES AND SOFTWARE

Unicode Data Files include all data files under the directories http://www.unicode.org/Public/, http://www.unicode.org/reports/, and http://www.unicode.org/cldr/data/. Unicode Data Files do not include PDF online code charts under the directory http://www.unicode.org/Public/. Software includes any source code published in the Unicode Standard or under the directories http://www.unicode.org/Public/, http://www.unicode.org/reports/, and http://www.unicode.org/cldr/data/.

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

COPYRIGHT AND PERMISSION NOTICE

Copyright © 1991-2012 Unicode, Inc. All rights reserved. Distributed under the Terms of Use in http://www.unicode.org/copyright.html.

Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files")

or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that (a) the above copyright notice(s) and this permission notice appear with all copies of the Data Files or Software, (b) both the above copyright notice(s) and this permission notice appear in associated documentation, and (c) there is clear notice in each modified Data File or in the Software as well as in the documentation associated with the Data File(s) or Software that the data or software has been modified.

THE DATA FILES AND SOFTWARE ARE 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 OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE.

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

Unicode and the Unicode logo are trademarks of Unicode, Inc. in the United States and other countries. All third party trademarks referenced herein are the property of their respective owners.

--- end of LICENSE ---

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

%% This notice is provided with respect to UPX v3.01, which may be included

with JRE 8 on Windows.

--- begin of LICENSE ---

Use of any of this software is governed by the terms of the license below:

ooooo ooo ooooooooo. ooooooo ooooo

`888' `8' `888 `Y88. `8888 d8'

888 8 888 .d88' Y888..8P

888 8 888ooo88P' `8888'

888 8 888 .8PY888.

`88. .8' 888 d8' `888b

`YbodP' o888o o888o o88888o

The Ultimate Packer for eXecutables

Copyright (c) 1996-2000 Markus Oberhumer & Laszlo Molnar

http://wildsau.idv.uni-linz.ac.at/mfx/upx.html

http://www.nexus.hu/upx

http://upx.tsx.org

PLEASE CAREFULLY READ THIS LICENSE AGREEMENT, ESPECIALLY IF YOU PLAN

TO MODIFY THE UPX SOURCE CODE OR USE A MODIFIED UPX VERSION.

ABSTRACT

========

UPX and UCL are copyrighted software distributed under the terms

of the GNU General Public License (hereinafter the "GPL").

The stub which is imbedded in each UPX compressed program is part

of UPX and UCL, and contains code that is under our copyright. The

terms of the GNU General Public License still apply as compressing

a program is a special form of linking with our stub.

As a special exception we grant the free usage of UPX for all

executables, including commercial programs.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

See below for details and restrictions.

COPYRIGHT

=========

UPX and UCL are copyrighted software. All rights remain with the authors.

UPX is Copyright (C) 1996-2000 Markus Franz Xaver Johannes Oberhumer

UPX is Copyright (C) 1996-2000 Laszlo Molnar

UCL is Copyright (C) 1996-2000 Markus Franz Xaver Johannes Oberhumer

GNU GENERAL PUBLIC LICENSE

==========================

UPX and the UCL library are free software; you can redistribute them
and/or modify them 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.

UPX and UCL are distributed in the hope that they 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; see the file COPYING.

SPECIAL EXCEPTION FOR COMPRESSED EXECUTABLES

==

The stub which is imbedded in each UPX compressed program is part
of UPX and UCL, and contains code that is under our copyright. The
terms of the GNU General Public License still apply as compressing
a program is a special form of linking with our stub.

Hereby Markus F.X.J. Oberhumer and Laszlo Molnar grant you special
permission to freely use and distribute all UPX compressed programs
(including commercial ones), subject to the following restrictions:

1. You must compress your program with a completely unmodified UPX

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

version; either with our precompiled version, or (at your option)
with a self compiled version of the unmodified UPX sources as
distributed by us.
2. This also implies that the UPX stub must be completely unmodfied, i.e.
the stub imbedded in your compressed program must be byte-identical
to the stub that is produced by the official unmodified UPX version.
3. The decompressor and any other code from the stub must exclusively get
used by the unmodified UPX stub for decompressing your program at
program startup. No portion of the stub may get read, copied,
called or otherwise get used or accessed by your program.
ANNOTATIONS
==========
- You can use a modified UPX version or modified UPX stub only for
programs that are compatible with the GNU General Public License.
- We grant you special permission to freely use and distribute all UPX
compressed programs. But any modification of the UPX stub (such as,
but not limited to, removing our copyright string or making your
program non-decompressible) will immediately revoke your right to
use and distribute a UPX compressed program.
- UPX is not a software protection tool; by requiring that you use
the unmodified UPX version for your proprietary programs we
make sure that any user can decompress your program. This protects
both you and your users as nobody can hide malicious code -
any program that cannot be decompressed is highly suspicious
by definition.
- You can integrate all or part of UPX and UCL into projects that
are compatible with the GNU GPL, but obviously you cannot grant
any special exceptions beyond the GPL for our code in your project.
- We want to actively support manufacturers of virus scanners and

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

similar security software. Please contact us if you would like to
incorporate parts of UPX or UCL into such a product.
Markus F.X.J. Oberhumer Laszlo Molnar
markus.oberhumer@jk.uni-linz.ac.at ml1050@cdata.tvnet.hu
Linz, Austria, 25 Feb 2000
Additional License(s)
The UPX license file is at http://upx.sourceforge.net/upx-license.html.
--- end of LICENSE ---

%% This notice is provided with respect to Xfree86-VidMode Extension 1.0,
which may be included with JRE 8, JDK 8, and OpenJDK 8 on Linux and Solaris.
--- begin of LICENSE ---
Version 1.1 of XFree86 ProjectLicence.
Copyright (C) 1994-2004 The XFree86 Project, Inc. All rights reserved.
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, sublicence, 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:
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, and in the same place
and form as other copyright, license and disclaimer information.
3. The end-user documentation included with the redistribution, if any,must
include the following acknowledgment: "This product includes
software developed by The XFree86 Project, Inc (http://www.xfree86.org/) and

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

its contributors", in the same place and form as other third-party
acknowledgments. Alternately, this acknowledgment may appear in the software
itself, in the same form and location as other such third-party
acknowledgments.

4. Except as contained in this notice, the name of The XFree86 Project,Inc
shall not be used in advertising or otherwise to promote the sale, use
or other dealings in this Software without prior written authorization from
The XFree86 Project, Inc.

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 XFREE86 PROJECT, INC 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.

--- end of LICENSE ---

%% This notice is provided with respect to X Window System 6.8.2, which may be
included with JRE 8, JDK 8, and OpenJDK 8 on Linux and Solaris.

--- begin of LICENSE ---

Licenses

The X.Org Foundation March 2004

1. Introduction

The X.org Foundation X Window System distribution is a compilation of code and
documentation from many sources. This document is intended primarily as a

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

guide to the licenses used in the distribution: you must check each file
and/or package for precise redistribution terms. None-the-less, this summary
may be useful to many users. No software incorporating the XFree86 1.1 license
has been incorporated.

This document is based on the compilation from XFree86.

2. XFree86 License

XFree86 code without an explicit copyright is covered by the following
copyright/license:

Copyright (C) 1994-2003 The XFree86 Project, Inc. All Rights Reserved.

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

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

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL
THE
XFREE86 PROJECT 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.

Except as contained in this notice, the name of the XFree86 Project shall not
be used in advertising or otherwise to promote the sale, use or other dealings
in this Software without prior written authorization from the XFree86 Project.

3. Other Licenses

Portions of code are covered by the following licenses/copyrights. See

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

individual files for the copyright dates.

3.1. X/MIT Copyrights

3.1.1. X Consortium

Copyright (C) <date> X Consortium

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

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

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE X
CONSORTIUM 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.

Except as contained in this notice, the name of the X Consortium shall not be
used in advertising or otherwise to promote the sale, use or other dealings in
this Software without prior written authorization from the X Consortium.

X Window System is a trademark of X Consortium, Inc.

3.1.2. The Open Group

Copyright <date> The Open Group

Permission to use, copy, modify, distribute, and sell this software and its
documentation for any purpose is hereby granted without fee, provided that the
above copyright notice appear in all copies and that both that copyright
notice and this permission notice appear in supporting documentation.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

The above copyright notice and this permission notice shall be included in all

copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR

IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,

FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE

OPEN GROUP 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.

Except as contained in this notice, the name of The Open Group shall not be

used in advertising or otherwise to promote the sale, use or other dealings in

this Software without prior written authorization from The Open Group. 3.2.

Berkeley-based copyrights:

o

3.2.1. General

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 name of the author may not be used to endorse or promote products

derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED

WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF

MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO

EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,

PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR

BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER

IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)

ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE

POSSIBILITY OF SUCH DAMAGE. 3.2.2. UCB/LBL

Copyright (c) 1993 The Regents of the University of California. All rights

reserved.

This software was developed by the Computer Systems Engineering group at

Lawrence Berkeley Laboratory under DARPA contract BG 91-66 and contributed to

Berkeley.

All advertising materials mentioning features or use of this software must

display the following acknowledgement: This product includes software

developed by the University of California, Lawrence Berkeley Laboratory.

Redistribution and use in source and binary forms, with or without

modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice,

this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright

notice, this list of conditions and the following disclaimer in the

documentation and/or other materials provided with the distribution.

3. All advertising materials mentioning features or use of this software

must display the following acknowledgement: This product includes software

developed by the University of California, Berkeley and its contributors.

4. Neither the name of the University nor the names of its contributors may

be used to endorse or promote products derived from this software without

specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND ANY

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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 REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY

DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES

(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;

LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON

ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT

(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS

SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. 3.2.3. The

NetBSD Foundation, Inc.

Copyright (c) 2003 The NetBSD Foundation, Inc. All rights reserved.

This code is derived from software contributed to The NetBSD Foundation by Ben

Collver <collver1@attbi.com>

Redistribution and use in source and binary forms, with or without

modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice,

this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright

notice, this list of conditions and the following disclaimer in the

documentation and/or other materials provided with the distribution.

3. All advertising materials mentioning features or use of this software

must display the following acknowledgement: This product includes software

developed by the NetBSD Foundation, Inc. and its contributors.

4. Neither the name of The NetBSD Foundation nor the names of its

contributors may be used to endorse or promote products derived from this

software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. AND CONTRIBUTORS ``AS

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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 FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY

DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES

(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;

LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON

ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT

(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS

SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. 3.2.4. Theodore

Ts'o.

Copyright Theodore Ts’o, 1994, 1995, 1996, 1997, 1998, 1999. 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,

and the entire permission notice in its entirety, including the disclaimer

of warranties.

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. he name of the author may not be used to endorse or promote products

derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES,

INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND

FITNESS FOR A PARTICULAR PURPOSE, ALL OF WHICH ARE HEREBY DISCLAIMED. IN NO

EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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 NOT ADVISED OF THE

POSSIBILITY OF SUCH DAMAGE. 3.2.5. Theo de Raadt and Damien Miller

Copyright (c) 1995,1999 Theo de Raadt. All rights reserved. Copyright (c)

2001-2002 Damien Miller. 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.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED

WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF

MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO

EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,

SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,

PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR

BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER

IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)

ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE

POSSIBILITY OF SUCH DAMAGE. 3.2.6. Todd C. Miller

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com>

Permission to use, copy, modify, and distribute this software for any purpose

with or without fee is hereby granted, provided that the above copyright

notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND TODD C. MILLER DISCLAIMS ALL WARRANTIES

WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF

MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL TODD C. MILLER BE LIABLE FOR

ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES

WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION

OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN

CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. 3.2.7. Thomas

Winischhofer

Copyright (C) 2001-2004 Thomas Winischhofer

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 name of the author may not be used to endorse or promote products

derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY 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 AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,

SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR

BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER

IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)

ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE

POSSIBILITY OF SUCH DAMAGE. 3.3. NVIDIA Corp

Copyright (c) 1996 NVIDIA, Corp. All rights reserved.

NOTICE TO USER: The source code is copyrighted under U.S. and international

laws. NVIDIA, Corp. of Sunnyvale, California owns the copyright and as design

patents pending on the design and interface of the NV chips. Users and

possessors of this source code are hereby granted a nonexclusive, royalty-free

copyright and design patent license to use this code in individual and

commercial software.

Any use of this source code must include, in the user documentation and

internal comments to the code, notices to the end user as follows:

Copyright (c) 1996 NVIDIA, Corp. NVIDIA design patents pending in the U.S. and

foreign countries.

NVIDIA, CORP. MAKES NO REPRESENTATION ABOUT THE SUITABILITY OF THIS SOURCE

CODE FOR ANY PURPOSE. IT IS PROVIDED "AS IS" WITHOUT EXPRESS OR IMPLIED

WARRANTY OF ANY KIND. NVIDIA, CORP. DISCLAIMS ALL WARRANTIES WITH REGARD TO

THIS SOURCE CODE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND

FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL NVIDIA, CORP. BE LIABLE

FOR ANY SPECIAL, INDIRECT, INCIDENTAL, 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 SOURCE CODE. 3.4. GLX Public

License

GLX PUBLIC LICENSE (Version 1.0 (2/11/99)) ("License")

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Subject to any third party claims, Silicon Graphics, Inc. ("SGI") hereby grants permission to Recipient (defined below), under Recipient's copyrights in the Original Software (defined below), to use, copy, modify, merge, publish, distribute, sublicense and/or sell copies of Subject Software (defined below), and to permit persons to whom the Subject Software is furnished in accordance with this License to do the same, subject to all of the following terms and conditions, which Recipient accepts by engaging in any such use, copying, modifying, merging, publishing, distributing, sublicensing or selling:

1. Definitions.

(a) "Original Software" means source code of computer software code which is described in Exhibit A as Original Software.

(b) "Modifications" means any addition to or deletion from the substance or structure of either the Original Software or any previous Modifications. When Subject Software is released as a series of files, a Modification means (i) any addition to or deletion from the contents of a file containing Original Software or previous Modifications and (ii) any new file that contains any part of the Original Code or previous Modifications.

(c) "Subject Software" means the Original Software or Modifications or the combination of the Original Software and Modifications, or portions of any of the foregoing.

(d) "Recipient" means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, "Recipient" includes any entity which controls, is controlled by, or is under common control with Recipient. For purposes of this definition, "control" of an entity means (a) the power, direct or indirect, to direct or manage such entity, or (b) ownership of fifty percent (50%) or more of the outstanding shares or beneficial ownership of

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

such entity.

2. Redistribution of Source Code Subject to These Terms. Redistributions of Subject Software in source code form must retain the notice set forth in Exhibit A, below, in every file. A copy of this License must be included in any documentation for such Subject Software where the recipients' rights relating to Subject Software are described. Recipient may distribute the source code version of Subject Software under a license of Recipient's choice, which may contain terms different from this License, provided that (i) Recipient is in compliance with the terms of this License, and (ii) the license terms include this Section 2 and Sections 3, 4, 7, 8, 10, 12 and 13 of this License, which terms may not be modified or superseded by any other terms of such license. If Recipient distributes the source code version under a different license Recipient must make it absolutely clear that any terms which differ from this License are offered by Recipient alone, not by SGI. Recipient hereby agrees to indemnify SGI for any liability incurred by SGI as a result of any such terms Recipient offers.

3. Redistribution in Executable Form. The notice set forth in Exhibit A must be conspicuously included in any notice in an executable version of Subject Software, related documentation or collateral in which Recipient describes the user's rights relating to the Subject Software. Recipient may distribute the executable version of Subject Software under a license of Recipient's choice, which may contain terms different from this License, provided that (i) Recipient is in compliance with the terms of this License, and (ii) the license terms include this Section 3 and Sections 4, 7, 8, 10, 12 and 13 of this License, which terms may not be modified or superseded by any other terms of such license. If Recipient distributes the executable version under a different license Recipient must make it absolutely clear that any terms which differ from this License are offered by Recipient alone, not by SGI. Recipient hereby agrees to indemnify SGI for any liability incurred by SGI as a result

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

of any such terms Recipient offers.

4. Termination. This License and the rights granted hereunder will terminate automatically if Recipient fails to comply with terms herein and fails to cure such breach within 30 days of the breach. Any sublicense to the Subject Software which is properly granted shall survive any termination of this License absent termination by the terms of such sublicense. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

5. No Trademark Rights. This License does not grant any rights to use any trade name, trademark or service mark whatsoever. No trade name, trademark or service mark of SGI may be used to endorse or promote products derived from the Subject Software without prior written permission of SGI.

6. No Other Rights. This License does not grant any rights with respect to the OpenGL API or to any software or hardware implementation thereof or to any other software whatsoever, nor shall any other rights or licenses not expressly granted hereunder arise by implication, estoppel or otherwise with respect to the Subject Software. Title to and ownership of the Original Software at all times remains with SGI. All rights in the Original Software not expressly granted under this License are reserved.

7. Compliance with Laws; Non-Infringement. Recipient shall comply with all applicable laws and regulations in connection with use and distribution of the Subject Software, including but not limited to, all export and import control laws and regulations of the U.S. government and other countries. Recipient may not distribute Subject Software that (i) in any way infringes (directly or contributorily) the rights (including patent, copyright, trade secret, trademark or other intellectual property rights of any kind) of any other person or entity or (ii) breaches any representation or warranty, express, implied or statutory, which under any applicable law it might be deemed to have been distributed.

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

8. Claims of Infringement. If Recipient at any time has knowledge of any one or more third party claims that reproduction, modification, use, distribution, import or sale of Subject Software (including particular functionality or code incorporated in Subject Software) infringes the third party's intellectual property rights, Recipient must place in a well-identified web page bearing the title "LEGAL" a description of each such claim and a description of the party making each such claim in sufficient detail that a user of the Subject Software will know whom to contact regarding the claim. Also, upon gaining such knowledge of any such claim, Recipient must conspicuously include the URL for such web page in the Exhibit A notice required under Sections 2 and 3, above, and in the text of any related documentation, license agreement or collateral in which Recipient describes end user's rights relating to the Subject Software. If Recipient obtains such knowledge after it makes Subject Software available to any other person or entity, Recipient shall take other steps (such as notifying appropriate mailing lists or newsgroups) reasonably calculated to inform those who received the Subject Software that new knowledge has been obtained.

9. DISCLAIMER OF WARRANTY. SUBJECT SOFTWARE IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE SUBJECT SOFTWARE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON- INFRINGING. SGI ASSUMES NO RISK AS TO THE QUALITY AND PERFORMANCE OF THE SOFTWARE. SHOULD ANY SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, SGI ASSUMES NO COST OR LIABILITY FOR ANY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY SUBJECT SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

10. LIMITATION OF LIABILITY. UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY,

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

WHETHER TORT (INCLUDING, WITHOUT LIMITATION, NEGLIGENCE OR STRICT LIABILITY),

CONTRACT, OR OTHERWISE, SHALL SGI OR ANY SGI LICENSOR BE LIABLE FOR ANY

DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY

CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK

STOPPAGE, LOSS OF DATA, 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 SGI'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

THAT EXCLUSION AND LIMITATION MAY NOT APPLY TO RECIPIENT.

11. Indemnity. Recipient shall be solely responsible for damages arising,

directly or indirectly, out of its utilization of rights under this License.

Recipient will defend, indemnify and hold harmless Silicon Graphics, Inc. from

and against any loss, liability, damages, costs or expenses (including the

payment of reasonable attorneys fees) arising out of Recipient's use,

modification, reproduction and distribution of the Subject Software or out of

any representation or warranty made by Recipient.

12. U.S. Government End Users. The Subject Software is a "commercial item"

consisting of "commercial computer software" as such terms are defined in

title 48 of the Code of Federal Regulations and all U.S. Government End Users

acquire only the rights set forth in this License and are subject to the terms

of this License.

13. Miscellaneous. This License represents the complete agreement concerning

subject matter hereof. If any provision of this License is held to be

unenforceable, such provision shall be reformed so as to achieve as nearly as

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

possible the same economic effect as the original provision and the remainder of this License will remain in effect. This License shall be governed by and construed in accordance with the laws of the United States and the State of California as applied to agreements entered into and to be performed entirely within California between California residents. Any litigation relating to this License shall be subject to the exclusive jurisdiction of the Federal Courts of the Northern District of California (or, absent subject matter jurisdiction in such courts, the courts of the State of California), with venue lying exclusively in Santa Clara County, California, with the losing party responsible for costs, including without limitation, court costs and reasonable attorneys fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License.

Exhibit A

The contents of this file are subject to Sections 2, 3, 4, 7, 8, 10, 12 and 13 of the GLX Public License Version 1.0 (the "License"). You may not use this file except in compliance with those sections of the License. You may obtain a copy of the License at Silicon Graphics, Inc., attn: Legal Services, 2011 N. Shoreline Blvd., Mountain View, CA 94043 or at http://www.sgi.com/software/opensource/glx/license.html.

Software distributed under the License is distributed on an "AS IS" basis. ALL WARRANTIES ARE DISCLAIMED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, OF FITNESS FOR A PARTICULAR PURPOSE OR OF NON-INFRINGEMENT. See the License for the specific language governing rights and limitations under the License.

The Original Software is GLX version 1.2 source code, released February, 1999. The developer of the Original Software is Silicon Graphics, Inc. Those portions of the Subject Software created by Silicon Graphics, Inc. are

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

Copyright (c) 1991-9 Silicon Graphics, Inc. All Rights Reserved. 3.5. CID Font Code Public License

CID FONT CODE PUBLIC LICENSE (Version 1.0 (3/31/99))("License")

Subject to any applicable third party claims, Silicon Graphics, Inc. ("SGI") hereby grants permission to Recipient (defined below), under SGI's copyrights in the Original Software (defined below), to use, copy, modify, merge, publish, distribute, sublicense and/or sell copies of Subject Software (defined below) in both source code and executable form, and to permit persons to whom the Subject Software is furnished in accordance with this License to do the same, subject to all of the following terms and conditions, which Recipient accepts by engaging in any such use, copying, modifying, merging, publication, distributing, sublicensing or selling:

1. Definitions.

a. "Original Software" means source code of computer software code that is described in Exhibit A as Original Software.

b. "Modifications" means any addition to or deletion from the substance or structure of either the Original Software or any previous Modifications. When Subject Software is released as a series of files, a Modification means (i) any addition to or deletion from the contents of a file containing Original Software or previous Modifications and (ii) any new file that contains any part of the Original Code or previous Modifications.

c. "Subject Software" means the Original Software or Modifications or the combination of the Original Software and Modifications, or portions of any of the foregoing.

d. "Recipient" means an individual or a legal entity exercising rights under the terms of this License. For legal entities, "Recipient" includes any entity that controls, is controlled by, or is under common control with Recipient. For purposes of this definition, "control" of an entity

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

means (i) the power, direct or indirect, to direct or manage such entity, or (ii) ownership of fifty percent (50%) or more of the outstanding shares or beneficial ownership of such entity.

e. "Required Notice" means the notice set forth in Exhibit A to this License.

f. "Accompanying Technology" means any software or other technology that is not a Modification and that is distributed or made publicly available by Recipient with the Subject Software. Separate software files that do not contain any Original Software or any previous Modification shall not be deemed a Modification, even if such software files are aggregated as part of a product, or in any medium of storage, with any file that does contain Original Software or any previous Modification.

2. License Terms. All distribution of the Subject Software must be made subject to the terms of this License. A copy of this License and the Required Notice must be included in any documentation for Subject Software where Recipient's rights relating to Subject Software and/or any Accompanying Technology are described. Distributions of Subject Software in source code form must also include the Required Notice in every file distributed. In addition, a ReadMe file entitled "Important Legal Notice" must be distributed with each distribution of one or more files that incorporate Subject Software. That file must be included with distributions made in both source code and executable form. A copy of the License and the Required Notice must be included in that file. Recipient may distribute Accompanying Technology under a license of Recipient's choice, which may contain terms different from this License, provided that (i) Recipient is in compliance with the terms of this License, (ii) such other license terms do not modify or supersede the terms of this License as applicable to the Subject Software, (iii) Recipient hereby indemnifies SGI for any liability incurred by SGI as a result of the distribution of Accompanying Technology or the use of other license terms.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

3. Termination. This License and the rights granted hereunder will terminate automatically if Recipient fails to comply with terms herein and fails to cure such breach within 30 days of the breach. Any sublicense to the Subject Software that is properly granted shall survive any termination of this License absent termination by the terms of such sublicense. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

4. Trademark Rights. This License does not grant any rights to use any trade name, trademark or service mark whatsoever. No trade name, trademark or service mark of SGI may be used to endorse or promote products derived from or incorporating any Subject Software without prior written permission of SGI.

5. No Other Rights. No rights or licenses not expressly granted hereunder shall arise by implication, estoppel or otherwise. Title to and ownership of the Original Software at all times remains with SGI. All rights in the Original Software not expressly granted under this License are reserved.

6. Compliance with Laws; Non-Infringement. Recipient shall comply with all applicable laws and regulations in connection with use and distribution of the Subject Software, including but not limited to, all export and import control laws and regulations of the U.S. government and other countries. Recipient may not distribute Subject Software that (i) in any way infringes (directly or contributorily) the rights (including patent, copyright, trade secret, trademark or other intellectual property rights of any kind) of any other person or entity, or (ii) breaches any representation or warranty, express, implied or statutory, which under any applicable law it might be deemed to have been distributed.

7. Claims of Infringement. If Recipient at any time has knowledge of any one or more third party claims that reproduction, modification, use, distribution, import or sale of Subject Software (including particular functionality or code incorporated in Subject Software) infringes the third party's intellectual

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

property rights, Recipient must place in a well-identified web page bearing the title "LEGAL" a description of each such claim and a description of the party making each such claim in sufficient detail that a user of the Subject Software will know whom to contact regarding the claim. Also, upon gaining such knowledge of any such claim, Recipient must conspicuously include the URL for such web page in the Required Notice, and in the text of any related documentation, license agreement or collateral in which Recipient describes end user's rights relating to the Subject Software. If Recipient obtains such knowledge after it makes Subject Software available to any other person or entity, Recipient shall take other steps (such as notifying appropriate mailing lists or newsgroups) reasonably calculated to provide such knowledge to those who received the Subject Software.

8. DISCLAIMER OF WARRANTY. SUBJECT SOFTWARE IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE SUBJECT SOFTWARE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGING. SGI ASSUMES NO RISK AS TO THE QUALITY AND PERFORMANCE OF THE SOFTWARE. SHOULD ANY SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, SGI ASSUMES NO COST OR LIABILITY FOR ANY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY SUBJECT SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

9. LIMITATION OF LIABILITY. UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING, WITHOUT LIMITATION, NEGLIGENCE OR STRICT LIABILITY), CONTRACT, OR OTHERWISE, SHALL SGI OR ANY SGI LICENSOR BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SUBJECT SOFTWARE OR

THE USE OR OTHER DEALINGS IN THE SUBJECT SOFTWARE. SOME JURISDICTIONS DO NOT

ALLOW THE EXCLUSION OR LIMITATION OF CERTAIN DAMAGES, SO THIS EXCLUSION AND

LIMITATION MAY NOT APPLY TO RECIPIENT TO THE EXTENT SO DISALLOWED.

10. Indemnity. Recipient shall be solely responsible for damages arising,

directly or indirectly, out of its utilization of rights under this License.

Recipient will defend, indemnify and hold SGI and its successors and assigns

harmless from and against any loss, liability, damages, costs or expenses

(including the payment of reasonable attorneys fees) arising out of

(Recipient's use, modification, reproduction and distribution of the Subject

Software or out of any representation or warranty made by Recipient.

11. U.S. Government End Users. The Subject Software is a "commercial item"

consisting of "commercial computer software" as such terms are defined in

title 48 of the Code of Federal Regulations and all U.S. Government End Users

acquire only the rights set forth in this License and are subject to the terms

of this License.

12. Miscellaneous. This License represents the complete agreement concerning

subject matter hereof. If any provision of this License is held to be

unenforceable by any judicial or administrative authority having proper

jurisdiction with respect thereto, such provision shall be reformed so as to

achieve as nearly as possible the same economic effect as the original

provision and the remainder of this License will remain in effect. This

License shall be governed by and construed in accordance with the laws of the

United States and the State of California as applied to agreements entered

into and to be performed entirely within California between California

residents. Any litigation relating to this License shall be subject to the

exclusive jurisdiction of the Federal Courts of the Northern District of

California (or, absent subject matter jurisdiction in such courts, the courts

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

of the State of California), with venue lying exclusively in Santa Clara County, California, with the losing party responsible for costs, including without limitation, court costs and reasonable attorneys fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation that provides that the language of a contract shall be construed against the drafter shall not apply to this License.

Exhibit A

Copyright (c) 1994-1999 Silicon Graphics, Inc.

The contents of this file are subject to the CID Font Code Public License Version 1.0 (the "License"). You may not use this file except in compliance with the License. You may obtain a copy of the License at Silicon Graphics, Inc., attn: Legal Services, 2011 N. Shoreline Blvd., Mountain View, CA 94043 or at http://www.sgi.com/software/opensource/cid/license.html

Software distributed under the License is distributed on an "AS IS" basis. ALL WARRANTIES ARE DISCLAIMED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, OF FITNESS FOR A PARTICULAR PURPOSE OR OF NON-INFRINGEMENT. See the License for the specific language governing rights and limitations under the License.

The Original Software (as defined in the License) is CID font code that was developed by Silicon Graphics, Inc. Those portions of the Subject Software (as defined in the License) that were created by Silicon Graphics, Inc. are Copyright (c) 1994-1999 Silicon Graphics, Inc. All Rights Reserved.

[NOTE: When using this text in connection with Subject Software delivered solely in object code form, Recipient may replace the words "this file" with "this software" in both the first and second sentences.] 3.6. Bitstream Vera Fonts Copyright

The fonts have a generous copyright, allowing derivative works (as long as "Bitstream" or "Vera" are not in the names), and full redistribution (so long

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

as they are not *sold* by themselves). They can be be bundled, redistributed and sold with any software.

The fonts are distributed under the following copyright:

Copyright (c) 2003 by Bitstream, Inc. All Rights Reserved. Bitstream Vera is a trademark of Bitstream, Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of the fonts accompanying this license ("Fonts") and associated documentation files (the "Font Software"), to reproduce and distribute the Font Software, including without limitation the rights to use, copy, merge, publish, distribute, and/or sell copies of the Font Software, and to permit persons to whom the Font Software is furnished to do so, subject to the following conditions:

The above copyright and trademark notices and this permission notice shall be included in all copies of one or more of the Font Software typefaces.

The Font Software may be modified, altered, or added to, and in particular the designs of glyphs or characters in the Fonts may be modified and additional glyphs or characters may be added to the Fonts, only if the fonts are renamed to names not containing either the words "Bitstream" or the word "Vera".

This License becomes null and void to the extent applicable to Fonts or Font Software that has been modified and is distributed under the "Bitstream Vera" names.

The Font Software may be sold as part of a larger software package but no copy of one or more of the Font Software typefaces may be sold by itself.

THE FONT SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS

OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY,

FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF COPYRIGHT, PATENT,

TRADEMARK, OR OTHER RIGHT. IN NO EVENT SHALL BITSTREAM OR THE GNOME FOUNDATION

BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, INCLUDING ANY GENERAL,

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER IN AN ACTION

OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF THE USE OR INABILITY TO

USE THE FONT SOFTWARE OR FROM OTHER DEALINGS IN THE FONT SOFTWARE.

Except as contained in this notice, the names of Gnome, the Gnome Foundation,

and Bitstream Inc., shall not be used in advertising or otherwise to promote

the sale, use or other dealings in this Font Software without prior written

authorization from the Gnome Foundation or Bitstream Inc., respectively. For

further information, contact: fonts at gnome dot org. 3.7. Bigelow & Holmes

Inc and URW++ GmbH Luxi font license

Luxi fonts copyright (c) 2001 by Bigelow & Holmes Inc. Luxi font instruction

code copyright (c) 2001 by URW++ GmbH. All Rights Reserved. Luxi is a

registered trademark of Bigelow & Holmes Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy

of these Fonts and associated documentation files (the "Font Software"), to

deal in the Font Software, including without limitation the rights to use,

copy, merge, publish, distribute, sublicense, and/or sell copies of the Font

Software, and to permit persons to whom the Font Software is furnished to do

so, subject to the following conditions:

The above copyright and trademark notices and this permission notice shall be

included in all copies of one or more of the Font Software.

The Font Software may not be modified, altered, or added to, and in particular

the designs of glyphs or characters in the Fonts may not be modified nor may

additional glyphs or characters be added to the Fonts. This License becomes

null and void when the Fonts or Font Software have been modified.

THE FONT SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS

OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY,

FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF COPYRIGHT, PATENT,

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

TRADEMARK, OR OTHER RIGHT. IN NO EVENT SHALL BIGELOW & HOLMES INC. OR URW++

GMBH. BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, INCLUDING ANY

GENERAL, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER IN

AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF THE USE OR

INABILITY TO USE THE FONT SOFTWARE OR FROM OTHER DEALINGS IN THE FONT

SOFTWARE.

Except as contained in this notice, the names of Bigelow & Holmes Inc. and

URW++ GmbH. shall not be used in advertising or otherwise to promote the sale,

use or other dealings in this Font Software without prior written

authorization from Bigelow & Holmes Inc. and URW++ GmbH.

For further information, contact:

info@urwpp.de or design@bigelowandholmes.com

--- end of LICENSE ---

%% This notice is provided with respect to zlib v1.2.8, which may be included

with JRE 8, JDK 8, and OpenJDK 8.

--- begin of LICENSE ---

version 1.2.8, April 28th, 2013

Copyright (C) 1995-2013 Jean-loup Gailly and Mark Adler

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.

Jean-loup Gailly Mark Adler

jloup@gzip.org madler@alumni.caltech.edu

--- end of LICENSE ---

%% This notice is provided with respect to the following which may be

included with JRE 8, JDK 8, and OpenJDK 8.

Apache Commons Math 3.2

Apache Derby 10.11.1.2

Apache Jakarta BCEL 5.1

Apache Jakarta Regexp 1.4

Apache Santuario XML Security for Java 1.5.4

Apache Xalan-Java 2.7.1

Apache Xerces Java 2.10.0

Apache XML Resolver 1.1

Dynalink 0.5

--- begin of LICENSE ---

Apache License

Version 2.0, January 2004

http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,

and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by

the copyright owner that is granting the License.

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

"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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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

Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.

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.
--- end of LICENSE ---

 Copyright © 1988, 2019, Oracle and/or its affiliates. All rights reserved.