

Oracle® Communications

Cloud Native Core Licensing Information User Manual



Release 2.1.1

F31135-01

May 2020

The Oracle logo, consisting of a solid red square with the word "ORACLE" in white, uppercase, sans-serif font centered within it.

ORACLE®

F31135-01

Copyright © 2019, 2020, Oracle and/or its affiliates.

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 embedded, installed or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software" or "commercial computer software documentation" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. 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 Inside 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, Epyc, and the AMD 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.

Contents

1 Introduction

2 Licensing Information

3 Third-Party Notices and/or Licenses

Commercial Software	3-1
Open Source or Other Separately Licensed Software	3-1
Cloud Native Environment 1.4.0 Components	3-1
Binding Support Function 1.4.0 Components	3-1
Cloud Native Core Console 1.0.0 Components	3-2
Diameter Routing Agent 1.5.0 Components	3-2
InterWorking and Mediation Function 1.4.0 Components	3-2
Network Exposure Function 1.2.0 Components	3-2
Network Repository Function 1.5.0 Components	3-3
Network Slice Selection Function 1.2.1 Components	3-3
Policy Control Function 1.5.0 Components	3-3
Policy and Charging Rules Function 1.5.0 Components	3-4
Security Edge Protection Proxy 1.2.0 Components	3-4
Service Communication Proxy 1.5.0 Components	3-4
Unified Data Management 1.1.0 Components	3-4
Unified Data Repository 1.5.0 Components	3-5
Cloud Native Core Licensing Information	3-5

A GNU General Public License, Version 2 (GPL-2.0)

B GNU General Public License, Version 2 (GPL-2.1)

C	GNU Lesser General Public License, version 3 (LGPL-3)
D	Apache License, Version 1.1 (Apache 1.1)
E	Apache License, version 2.0 (Apache 2.0)
F	The FreeBSD Project
G	The MIT License (MIT)
H	Zlib License
I	ACE- 6.4.7 License
J	ECLIPSE 1.0 License
K	PHP License
L	JET License
M	COMMON DEVELOPMENT AND DISTRIBUTION LICENSE Version 1.0
N	BSD License and JSON License
O	JDOM 2.0.5 License
P	Artistic License

Q [The bzip2 License](#)

R [The Common Public License version 1.0](#)

S [Mozilla Public License \(MPL\), Version 2.0](#)

T [GNU Lesser General Public License, Version 2.1 \(LGPL-2.1\)](#)

U [Creative Commons Attribution License, Attribution 2.5](#)

V [Node.js License](#)

W [GNU General Public License v3 \(GPL v3\)](#)

X [Zope Public License \(ZPL\) Version 2.0](#)

Y [ECLIPSE 2.0 License](#)

Z [COMMON DEVELOPMENT AND DISTRIBUTION LICENSE
Version 1.1](#)

List of Tables

3-1	Cloud Native Core Licensing Information	3-5
-----	---	-----

1

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> .

2

Licensing Information

Description of Product Editions and Permitted Features

Prerequisite Products

Entitled Products and Restricted Use Licenses

Product	Sub product	Licensing Information
Oracle Communications Cloud Native Core	Oracle Communications Cloud Native Core, Network Function Cloud Native Environment - per 25K Active Subscribers	<p>Description: This subproduct adds the following features to the Oracle Communications Cloud Native Core. The Network Function Cloud Native Environment provides tools and capabilities to run cloud native network functions in the network.</p> <p>Prerequisites: Any one of the following licenses is prerequisite to license and use Oracle Communications Cloud Native Core , Network Function Cloud Native Environment - per 25K Active Subscribers :</p> <ul style="list-style-type: none"> • Oracle Communications Cloud Native Core, Authentication Server Function - per 25K Active Subscribers • Oracle Communications Cloud Native Core, Binding Support Function - per 25K Active Subscribers • Oracle Communications Cloud Native Core, Converged Policy - per 25K Active Subscribers • Oracle Communications Cloud Native Core, Converged Signaling - per 25K Active Subscribers • Oracle Communications Cloud Native Core, Diameter Routing Agent - per 25K Active Subscribers • Oracle Communications Cloud Native Core, InterWorking and Mediation Function - per 25K Active Subscribers • Oracle Communications Cloud Native Core, Network Exposure Function - per 25K Active Subscribers • Oracle Communications Cloud Native Core , Network Repository Function - per 25K Active Subscribers • Oracle Communications Cloud Native Core, Network Slice Selection Function - per 25K Active Subscribers • Oracle Communications Cloud Native Core, Policy Control Function - per 25K Active Subscribers • Oracle Communications Cloud Native Core, Policy and Charging Rules Function - per 25K Active Subscribers • Oracle Communications Cloud Native Core, Routing and Selection Domain - per 25K Active Subscribers • Oracle Communications Cloud Native Core, Security Edge Protection Proxy - per 25K Active Subscribers • Oracle Communications Cloud Native Core , Service Communication Proxy - per 25K Active Subscribers

Product	Sub product	Licensing Information
		<ul style="list-style-type: none"> • Oracle Communications Cloud Native Core, Unified Data Repository - per 25K Active Subscribers • Oracle Communications Cloud Native Core, Unified Data Management - per 25K Active Subscribers • Oracle Communications Cloud Native Core, Unstructured Data Storage Function - per 25K Active Subscribers
	Oracle Communications Cloud Native Core, Authentication Server Function - per 25K Active Subscribers	<p>Description: This subproduct adds the following features to the Oracle Communications Cloud Native Core.</p> <p>The Authentication Server Function (AUSF) is responsible of the primary authentication and key agreement procedures carried out to enable mutual authentication between UE and network. It provides keying material that can be used between the UE and network in subsequently security procedures. This license is based on per 25k active subscribers perpetual.</p> <p>Prerequisites: The following license is prerequisite to license and use Oracle Communications Cloud Native Core, Authentication Server Function - per 25K Active Subscribers:</p> <p>Oracle Communications Cloud Native Core, Unified Data Management - per 25K Active Subscribers</p>
	Oracle Communications Cloud Native Core, Binding Support Function - per 25K Active Subscribers	<p>Description: This subproduct adds the following features to the Oracle Communications Cloud Native Core.</p> <p>The Binding Support Function (BSF) provides session binding functionality, which ensures request for session reaches the relevant PCF holding the session information.</p> <p>This service:</p> <ul style="list-style-type: none"> - Allows Network Function (NF) consumers to register, update and remove the binding information; and - Allows Network Function (NF) consumers to retrieve the binding information. <p>Prerequisites: None</p>

Product	Sub product	Licensing Information
	Oracle Communications Cloud Native Core, Converged Policy - per 25K Active Subscribers	<p>Description: This functionality provides the Right to Use the Cloud Native Policy and Charging Rules Function (cnPCRF) and Cloud Native Policy Control Function (PCF) NFs. The Policy Control Function (PCF) allows the customer to support centralized policy management in their 5G core network. Cloud Native Policy and Charging Rules Function (cnPCRF) includes 3GPP PCRF functionality per the Oracle statement of Compliance for OCPM Releases. Overall this converged license enables customers to perform Policy management for 4G and 5G Networks as a complete solution and also enables customers to transition subscribers from 4G to 5G over time.</p> <p>Prerequisites: None</p> <p>Entitled Products and Restricted Use Licenses</p> <p>: A license to Oracle Communications Cloud Native Core, Converged Policy - per 25K Active Subscribers includes a restricted use license to MySQL Cluster Carrier Grade Edition. MySQL Cluster Carrier Grade Edition may be used solely to deploy and run Oracle Communications Cloud Native Core, Converged Policy - per 25K Active Subscribers.</p>
	Oracle Communications Cloud Native Core, Converged Signaling - per 25K Active Subscribers	<p>Description: This functionality provides the Right to Use the Cloud Native Diameter Routing Agent (cnDRA), Service Communication Proxy (SCP), Network Repository Function (NRF), and InterWorking and Mediation Function (IWF) NFs. It enables a smooth transition for operators from 4G to 5G over time.</p> <p>Prerequisites : None</p>
	Oracle Communications Cloud Native Core, Diameter Routing Agent - per 25K Active Subscribers	<p>Description: This subproduct adds the following features to the Oracle Communications Cloud Native Core. The Diameter Routing Agent (DRA) provides ability to route diameter messages between Network Functions (NF) in the 4G network</p> <p>Prerequisites: The following license is prerequisite to license and use Oracle Communications Cloud Native Core, Diameter Routing Agent - per 25K Active Subscribers: Oracle Communications Common Signaling - per Signaling Unit - per Message per Second</p>

Product	Sub product	Licensing Information
	Oracle Communications Cloud Native Core, InterWorking and Mediation Function - per 25K Active Subscribers	<p>Description: This subproduct adds the following features to the Oracle Communications Cloud Native Core.</p> <p>The InterWorking and Mediation (IWF) Function provides Interworking and mediation function between HTTP ó HTTP and HTTP ó Diameter that allow access to the services and capabilities provided by network entities.</p> <p>Prerequisites: The following license is prerequisite to license and use Oracle Communications Cloud Native Core, InterWorking and Mediation Function - per 25K Active Subscribers:</p> <p>Customer must purchase a license of InterWorking and Mediation Function (IWF) for each separately purchased Network Function (NF) where the customer requires IWF whether deploying all functions on one node or on separate nodes. When licensed in the Routing and Selection offering, pricing includes the use of IWF for the following five functions deployed in the same node: Service Communication Proxy (SCP), Network Slice Selection Function (NSSF), Binding Support Function (BSF), Security Edge Protection Proxy (SEPP), and Network Exposure Function (NEF). IWF is not applicable to Network Repository Function (NRF).</p>
	Oracle Communications Cloud Native Core, Network Exposure Function - per 25K Active Subscribers	<p>Description: This subproduct adds the following features to the Oracle Communications Cloud Native Core.</p> <p>The Network Exposure Function (NEF) provides RESTful APIs that allow access to the services and capabilities provided by network entities and securely exposed by NEF.</p> <p>The NEF Northbound interface supports the following procedures:</p> <ul style="list-style-type: none"> • Procedures for Monitoring • Procedures for Device Triggering • Procedures for resource management of Background Data Transfer • Procedures for Communication Pattern Parameters Provisioning • Procedures for Packet Flow Description Management • Procedures for Traffic Influence <p>Prerequisites: None</p>

Product	Sub product	Licensing Information
	Oracle Communications Cloud Native Core, Network Repository Function - per 25K Active Subscribers	<p>Description: This subproduct adds the following features to the Oracle Communications Cloud Native Core. The Network Repository Function (NRF) supports management and discovery services and the management services allow for Network Function (NF) instances to be Introduced/Updated/Removed in the 5G core without manual configuration. More NRF developments will come as part of future releases.</p> <p>Prerequisites: None</p>
	Oracle Communications Cloud Native Core, Network Slice Selection Function - per 25K Active Subscribers	<p>Description: This subproduct adds the following features to the Oracle Communications Cloud Native Core. The Network Slice Selection Function (NSSF) provides an important capability to bring network resource utilization efficiency, deployment flexibility and support fast growing over the top (OTT) application and services .</p> <p>Prerequisites: None</p>
	Oracle Communications Cloud Native Core, Policy Control Function - per 25K Active Subscribers	<p>Description: This subproduct adds the following features to the Oracle Communications Cloud Native Core. The Policy Control Function (PCF) allows the customer to support centralized policy management in their 5G core network. It includes Network Access Selection, Access and Mobility Management, and Network Slice Selection</p> <p>Prerequisites: None.</p> <p>Entitled Products and Restricted Use Licenses</p> <p>: A license to Oracle Communications Cloud Native Core, Policy Control Function - per 25K Active Subscribers includes a restricted use license to MySQL Cluster Carrier Grade Edition. MySQL Cluster Carrier Grade Edition may be used solely to deploy and run Oracle Communications Cloud Native Core, Policy Control Function - per 25K Active Subscribers</p>

Product	Sub product	Licensing Information
	Oracle Communications Cloud Native Core, Policy and Charging Rules Function - per 25K Active Subscribers	<p>Description: This subproduct adds the following features to the Oracle Communications Cloud Native Core.</p> <p>The Policy and Charging Rules Function (PCRF) includes 3GPP PCRF functionality as per Oracle statement of Compliance for OCPM Releases. This license is based on the number of concurrent network access sessions allowed within a Policy Management network. A network access session is defined as the association between a user endpoint/ device and an IP network. Network Access Sessions represent the peak concurrent sessions measured based on highest busy hour session load within a given Policy Management network.</p> <p>Prerequisites: None.</p> <p>Entitled Products and Restricted Use Licenses</p> <p>: A license to Oracle Communications Cloud Native Core, Policy and Charging Rules Function - per 25K Active Subscribers includes a restricted use license to MySQL Cluster Carrier Grade Edition. MySQL Cluster Carrier Grade Edition may be used solely to deploy and run Oracle Communications Cloud Native Core, Policy and Charging Rules Function - per 25K Active Subscribers</p>
	Oracle Communications Cloud Native Core, Routing and Selection Domain - per 25K Active Subscribers	<p>Description: Routing and Selection domain consists of six Cloud Native Core functions: Service Communication Proxy (SCP), Network Repository Function (NRF), Network Exposure Function (NEF), Network Slice Selection Function (NSSF), Security Edge Protection Proxy (SEPP), and InterWorking and Mediation Function (IWF).</p> <p>Prerequisites: None</p>
	Oracle Communications Cloud Native Core, Security Edge Protection Proxy - per 25K Active Subscribers	<p>Description: This subproduct adds the following features to the Oracle Communications Cloud Native Core.</p> <p>The Security Edge Protection Proxy (SEPP) is a nontransparent proxy that supports message filtering and policing on inter-PLMN control-plane interfaces and topology hiding for the PLMN network. A SEPP function should perform the firewall role for transactions between domains. Given that the SEPP is the point where integrity protection and encryption are applied, the SEPP has visibility into each aspect of a transaction.</p> <p>Prerequisites: None</p>

Product	Sub product	Licensing Information
	Oracle Communications Cloud Native Core, Service Communication Proxy - per 25K Active Subscribers	<p>Description: This subproduct adds the following features to the Oracle Communications Cloud Native Core.</p> <p>The Service Communication Proxy (SCP) addresses introduction of 5G Service Based Architecture and the usage of HTTP/2 for signaling. Provides congestion control in cases of flooding and at the same time protect servers from being overloaded. Facilitates traffic prioritization to ensure that the higher priority traffic is addressed in overload situations Uniform Authorization/ Authentication mechanism in the network Simplifies the network and provider better visibility into the health of the network. Reduces the connection mesh to a manageable number of connections, thereby decreasing the chances of failure.</p> <p>Prerequisites: None</p>
	Oracle Communications Cloud Native Core, Subscriber Location Function –per 25K Active Subscribers	<p>Description:</p> <p>This subproduct adds the following feature to the Oracle Communications Cloud Native Core.</p> <p>The Subscriber Location Function (SLF) is an entity of 5G network which it is used to identify a subscriber to a specific network function. This license is based on per 25k active subscribers perpetual.</p> <p>Prerequisites:</p> <p>The following licenses are prerequisite to license and use Oracle Communications Cloud Native Core, Subscriber Location Function –per 25K Active Subscribers:</p> <ul style="list-style-type: none"> • Oracle Communications Cloud Native Core, Service Communication Proxy - 25K Active Subscribers • Oracle Communications Cloud Native Core, Network Repository Function - 25K Active Subscribers

Product	Sub product	Licensing Information
	Oracle Communications Cloud Native Core, Unified Data Management - per 25K Active Subscribers	<p>Description: This subproduct adds the following features to the Oracle Communications Cloud Native Core.</p> <p>The Unified Data Management Function (UDM) is a functional entity that supports access to the data storage. It offers services to Access and Mobility Management Function (AMF), Session Management Function (SMF), Short Message Service Function (SMSF), Network Exposure Function (NEF), and Authentication Server Function (AUSF). The services include Subscription data storage, Context data management service, Authentication service in collaboration with AUSF. Subscription data management includes accessing the subscription data in the Unified Data Repository (UDR), delivering relevant data to the Network Functions (NFs) serving the UE (AMF, SMF) and updating the UE location and serving nodes (e.g. AMF) in the UDR. This license is based on per 25k active subscribers perpetual.</p> <p>Prerequisites: None</p>
	Oracle Communications Cloud Native Core, Unified Data Repository - per 25K Active Subscribers	<p>Description: This subproduct adds the following features to the Oracle Communications Cloud Native Core.</p> <p>The Unified Data Repository (UDR) is a functional entity that acts as a single logical repository of user data and is unique from Application Front End's perspective. Entities which do not store user data and that need to access user data stored in the UDR are collectively known as application front ends.</p> <p>Prerequisites: None</p>
	Oracle Communications Cloud Native Core, Unstructured Data Storage Function - per 25K Active Subscribers	<p>Description: This subproduct adds the following features to the Oracle Communications Cloud Native Core.</p> <p>The Unstructured Data Storage Function (UDSF) is a functional entity of 5G network where the Network Functions can store/retrieve "unstructured" data. It supports data storage for stateless network functions. This data is based on the state information of different NFs, intermediate representation of data crossing different radio technologies, session related data etc. This license is based on per 25k active subscribers perpetual.</p> <p>Prerequisites: None</p>

 **Note:**

25K Active Subscribers: It is defined as twenty-five thousand unique subscribers provisioned and activated or processed by the network function in a calendar month. A Subscriber is defined as (a) unique device identifier processed by the network function, (b) unique device identifier processed by a defined, external network function, (c) active entities in the subscriber database. The total number of active subscribers shall be equal to all applicable types of subscribers listed above, as defined for the network function.

3

Third-Party Notices and/or Licenses

Commercial Software

Commercial software products or components distributed in Oracle Communications Cloud Native Core are identified in the following table along with the applicable licensing information

Provider	Component(s)	Licensing Information
N/A	N/A	N/A

Open Source or Other Separately Licensed Software

Required notices for open source or other separately licensed software products or components distributed in Oracle Communications Cloud Native Core are identified in the following sections along with the applicable licensing information. Additional notices and/or licenses may be found in the included documentation or readme files of the individual third party software.

The sections below identify the open source components used by each Oracle Communications Cloud Native Core subproduct. The licensing information can be found in section **Cloud Native Core Licensing Information**.

Cloud Native Environment 1.4.0 Components

Ansible 2.7.9-1	python 2.7.5-86.0.1
dnsmasq 2.76-7	python-pip 8.1.2-7
gzip 1.5-10	Python-setuptools 0.9.8-7
Helm 2.9.1	tar 1.26-35
Kubespray 2.10.3.1	wget 1.14-18

Binding Support Function 1.4.0 Components

HSQLDB 2.4.1	OpenTracing Spring Jaeger Starter 0.1.4
HttpClient 4.5.7	OpenTracing Spring Web 1.1.1
jackson-datatype-joda 2.9.6	SLF4J-1.7.29
JavaScript Extension Toolkit (JET) 5.1.0	Spring Boot 2.1.7
Micrometer 1.1.2	Springfox 2.9.2

Cloud Native Core Console 1.0.0 Components

client-java 7.0.0	reactor-netty 0.9.5
Groovy 3.0.3	Spring Cloud Starter Gateway 2.2.1
hazelcast-kubernetes 1.5.2	spring-boot-starter-actuator 2.2.4.RELEASE
HikariCP 3.3.1	spring-boot-starter-data-jpa 2.2.4.RELEASE
jackson-databind 2.10.0	spring-cloud-starter-kubernetes 1.0.3.RELEASE
Jetty 9.4.24	spring-cloud-starter-kubernetes-config 1.0.3.RELEASE
jetty-reactive-httpclient 1.1.0	spring-cloud-starter-kubernetes-config 1.1.2
Keycloak 8.0.1	spring-boot-starter-test 2.2.4.RELEASE
Micrometer Registry Prometheus 1.3.6	spring-boot-starter-undertow 2.2.4.RELEASE
netty 4.1.46.Final	spring-boot-starter-web 2.2.4
OpenTracing Spring Jaeger Web Starter 2.0.3	springfox-swagger-ui 2.9.2

Diameter Routing Agent 1.5.0 Components

Guava 27.0.1	Spring Boot 2.2.4.RELEASE
HttpClient 4.5.7	spring-boot-starter-actuator 2.2.4.RELEASE
jackson-core 2.9.8	spring-boot-starter-log4j2 2.2.4.RELEASE
JSON-Java 20180813	spring-boot-starter-test 2.2.4.RELEASE
Kubernetes Java Client library 4.0.0	spring-boot-starter-web 2.2.4
Micrometer 1.1.2	

InterWorking and Mediation Function 1.4.0 Components

Drools 7.32.0	Spring Boot 2.2.4.RELEASE
jackson-databind 2.10.2	spring-boot-autoconfigure 2.2.4
Micrometer 1.1.4	spring-boot-starter-log4j2 2.2.4.RELEASE
OkHttp 4.2.2	spring-boot-starter-web 2.2.4
opentracing-spring-jaeger-cloud-starter 2.0.3	spring-boot-starter-undertow 2.2.4.RELEASE
Spring Framework 5.2.3	

Network Exposure Function 1.2.0 Components

Guava 27.0.1	Nginx 1.14.2
HSQLDB 2.4.1	OpenTracing Spring Jaeger Starter 0.1.4
HttpClient 4.5.7	OpenTracing Spring Web 0.3.2
jackson-datatype-joda 2.9.6	SLF4J-1.7.25
JavaScript Extension Toolkit (JET) 5.1.0	Spring Boot 2.1.2
Kong 1.0.3	Springfox 2.9.2
Micrometer 1.0.5	-

Network Repository Function 1.5.0 Components

Commons Beanutils 1.9.4	OpenTracing Spring Jaeger Web Starter 2.0.3
Commons IO 2.6	OWASP Dependency Check 5.2.4
commons-validator 1.6.0	reactor-netty 0.9.5
Guava 28.1	Spring Boot 2.2.4.RELEASE
Hazelcast 3.12.5	spring-boot-starter-actuator 2.2.4.RELEASE
HttpClient 4.5.7	spring-boot-starter-data-jpa 2.2.4.RELEASE
ipaddress 5.0.2	spring-boot-starter-log4j2 2.2.4.RELEASE
jackson-databind 2.10.0	spring-boot-starter-test 2.2.4.RELEASE
jetty 9.4.24	spring-boot-starter-undertow 2.2.4.RELEASE
jetty-reactive-httpclient 1.1.0	spring-boot-starter-web 2.2.4.RELEASE
jjwt 0.10.7	spring-cloud-starter-kubernetes-config 1.0.3.RELEASE
Kubernetes Java Client 7.0.0	Spring Cloud Starter Gateway 2.2.1
Micrometer 1.1.4	Springfox 2.9.2
netty 4.1.46.Final	springfox-swagger-ui 2.9.2
OkHttp 4.2.2	

Network Slice Selection Function 1.2.1 Components

commons-validator 1.6.0	OkHttp 3.13.1
Guava 27.0.1	spring-boot-actuator 2.1.2
Micrometer 1.1.2	-

Policy Control Function 1.5.0 Components

akka-cluster-sharding 2.5.22	opentracing-spring-jaeger-cloud-starter 2.0.3
Avro 1.9.2	OpenTracing Spring Jaeger Web Starter 2.0.3
Groovy 3.0.0-beta-3	OpenTracing Spring Web 1.1.1
GSON 2.8.5	reactor-core 3.3.1.RELEASE
Guava 27.0	Spring-boot-starter 2.2.4
HikariCP 3.3.1	spring-boot-starter-actuator 2.2.4.RELEASE
HSQLDB 2.4.1	spring-boot-starter-data-jpa 2.2.4.RELEASE
HttpClient 4.5.6	spring-boot-starter-log4j2 2.2.4.RELEASE
jackson-databind 2.10.0	spring-boot-starter-test 2.2.4.RELEASE
jackson-datatype-joda 2.10.0	spring-boot-starter-undertow 2.2.4.RELEASE
jackson-datatype-jsr310 2.10.0	spring-boot-starter-web 2.2.4
Jetty 9.4.24	springfox-swagger-ui 2.9.2
jetty-reactive-httpclient 1.1.0	Spring Framework 5.2.3
Micrometer Registry Prometheus 1.3.6	spring-kafka 2.2.5.RELEASE
micrometer-akka 0.10.1	

Policy and Charging Rules Function 1.5.0 Components

akka-cluster-sharding 2.5.22	Micrometer Registry Prometheus 1.3.6
Avro 1.9.2	micrometer-akka 0.10.1
groovy 3.0.0-beta-3	OpenTracing Spring Jaeger Web Starter 2.0.3
GSON 2.8.5	OpenTracing Spring Web 1.1.1
Guava 27.0	Reactor Core 3.3.1.RELEASE
HikariCP 3.2.0	Spring Framework 5.2.3.RELEASE
HSQLDB 2.4.1	Spring-boot-starter 2.2.4
HttpClient 4.5.6	spring-boot-starter-actuator 2.2.4.RELEASE
jackson-databind 2.10.0	spring-boot-starter-data-jpa 2.2.4.RELEASE
jackson-datatype-joda 2.10.0	spring-boot-starter-test 2.2.4.RELEASE
jackson-datatype-jsr310 2.10.0	spring-boot-starter-undertow 2.2.4.RELEASE
Jetty 9.4.24.v20191120	spring-boot-starter-web 2.2.4
jetty-reactive-httpclient 1.1.0	springfox-swagger-ui 2.9.2
	spring-kafka 2.2.5.RELEASE

Security Edge Protection Proxy 1.2.0 Components

commons-lang3- 3.8.1	jackson-dataformat-yaml 2.10.0
Guava 27.0.1	Kubernetes Java Client library 4.0.0
jackson-annotations 2.10.0	OkHttp 3.13.1
jackson-core 2.10.0	Spring Boot 2.1.2
jackson-databind 2.10.0	Tomcat Embedded 9.0.26

Service Communication Proxy 1.5.0 Components

commons-lang3- 3.9	spring-boot-autoconfigure 2.2.4
jackson-databind 2.10.2	Spring-boot-starter 2.2.4
jackson-dataformat-yaml 2.10.2	spring-boot-starter-actuator 2.2.4.RELEASE
jackson-datatype-joda 2.10.2	spring-boot-starter-undertow 2.2.4.RELEASE
JSON-Java 20180813	spring-boot-starter-web 2.2.4
json-patch 1.12	Spring Retry 1.2.5
Kubernetes Java Client library 4.0.0	springfox-swagger-ui 2.9.2
OkHttp 4.2.2	Tomcat Embedded 9.0.30
Spring Boot 2.2.4.RELEASE	

Unified Data Management 1.1.0 Components

Commons IO 2.6	OkHttp 4.2.2
HttpClient 4.5.7	Spring Boot 2.2.4.RELEASE
HttpClient 4.5.10	spring-boot-starter 2.2.4
jackson-databind 2.10.2	spring-boot-starter-actuator 2.2.4.RELEASE
JSON-Java 20190722	spring-boot-starter-log4j2 2.2.4.RELEASE

JsonPath 2.4.0	spring-boot-starter-test 2.2.4.RELEASE
JSON Schema 1.12.1	spring-boot-starter-undertow 2.2.4.RELEASE
Kubernetes Java Client library 4.0.0	spring-boot-starter-web 2.2.4.RELEASE
Kubernetes Java Client library 7.0.0	Springfox 2.9.2
Micrometer 1.1.4	

Unified Data Repository 1.5.0 Components

Commons Beanutils 1.9.4	Micrometer 1.1.4
Commons IO 2.6	OkHttp 4.2.2
Guava 28.1	Spring Boot 2.1.7
HttpClient 4.5.10	Spring-boot-starter 2.1.7.RELEASE
jackson-databind 2.10.2	spring-boot-starter-log4j2 2.1.7.RELEASE
JSON-Java 20190722	spring-boot-starter-actuator 2.1.7.RELEASE
JsonPath 2.4.0	spring-boot-starter-undertow 2.1.7.RELEASE
JSON Schema 1.12.1	spring-boot-starter-web 2.1.7.RELEASE
Kubernetes Java Client library 4.0.0	Springfox 2.9.2

Cloud Native Core Licensing Information

Table 3-1 Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Apache 2.0	akka-cluster-sharding 2.5.22	APACHE 2.0 -See Appendix E

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Ansible, Inc.	Ansible 2.7.9-1	<p>Copyright: (c) 2012-2018, Ansible Project Copyright: (c) 2014, James Tanner <tanner.jc@gmail.com> Copyright: (c) 2012-2014, Michael DeHaan <michael.dehaan@gmail.com> Copyright (c) 2015-2017 Toshio Kuratomi <tkuratomi@ansible.com> Copyright (c) 2017 Jon Meran <jonathan.meran@sonos.com> Copyright: (c) 2018, Aaron Smith <ajsmith10381@gmail.com> Copyright: (c) 2018, Rob White (@wimnat) Copyright (c) 2018 Dennis Conrad for Sainsbury's Copyright (c) 2016-2018 Loic BLOT <loic.blot@unix-experience.fr> Copyright (c) 2017-2018 Will Thames Copyright (c) 2015 Mike Mochan Copyright: (c) 2018, Yaakov Kuperman <ykuperman@gmail.com> Copyright (c) 2016, Pierre Jodouin <pjodouin@virtualcomputing.solutions> Copyright (c) 2017, 2018 Michael De La Rue Copyright 2014 Jens Carl, Hothead Games Inc. Copyright (C) 2015 Tony Lastowka <tlastowka at gmail dot com> Copyright (c) 2016-2017 Julien Stroheker, <juliens@microsoft.com> Copyright (c) 2016-2018 Sertac Ozercan, <seozerca@microsoft.com> Copyright (c) 2017-2018 Yuwei Zhou, <yuwzho@microsoft.com> Copyright (c) 2017-2018 Zim Kalinowski, <zikalino@microsoft.com> Copyright (c) 2018 Yunge Zhu, <yungez@microsoft.com> Copyright (c) 2017 Yawei Wang, <yaweiw@microsoft.com> Copyright (c) 2017 Obezimnaka Boms, <tozboms@microsoft.com> Copyright (c) 2016 Thomas Stringer, <tomstr@microsoft.com> Copyright (c) 2016-2017 Bruno Medina Bolanos Cacho <bruno.medina@microsoft.com> Copyright (c) 2016-2018 Matt Davis, <mdavis@ansible.com></p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Copyright (c) 2018 Hai Cao, <t-haicao@microsoft.com>, Yunge Zhu <yungez@microsoft.com></p> <p>Copyright (c) 2018 Gustavo Muniz do Carmo <gustavo@esign.com.br></p> <p>Copyright (c) 2018 Zim Kalinowski <zikalino@microsoft.com></p> <p>Copyright (c) 2015 CenturyLink</p> <p>Copyright: (c) 2015-2018, René Moser <mail@renemoser.net></p> <p>Copyright (c) 2015, Darren Worrall <darren@iweb.co.uk></p> <p>Copyright (c) 2017, David Passante (@dpassante)</p> <p>Copyright: (c) 2017-2018, Abhijeet Kasurde <akasurde@redhat.com></p> <p>Copyright (c) 2016 Dimension Data</p> <p>Copyright 2016-2018 Red Hat Ansible</p> <p>Copyright 2017 Red Hat Ansible, Alex Grönholm <alex.gronholm@nextday.fi></p> <p>Copyright: (c) 2013, Cove Schneider</p> <p>Copyright: (c) 2014, Joshua Conner <joshua.conner@gmail.com></p> <p>Copyright: (c) 2014, Pavel Antonov <antonov@adwz.ru></p> <p>Copyright (C) 2015 CallFire Inc.</p> <p>Copyright 2013-2018 Google Inc.</p> <p>Copyright (c) 2018, Simon Weald <ansible@simonweald.com></p> <p>Copyright: (c) 2013, Vincent Van der Kussen <vincent at vanderkussen.org></p> <p>Copyright: (c) 2007, 2018 Red Hat, Inc</p> <p>Copyright 2018 www.privaz.io Valletech AB</p> <p>Copyright (c) 2014-2015 Hewlett-Packard Development Company, L.P.</p> <p>Copyright (c) 2016-2018 Catalyst IT Ltd.</p> <p>Copyright (c) 2015-2018 IBM</p> <p>Copyright (c) 2013, Benno Joy <benno@ansible.com></p> <p>Copyright (c) 2013, John Dewey <john@dewey.ws></p> <p>Copyright (c) 2016 Hewlett-Packard Enterprise Corporation</p> <p>Copyright: (c) 2017, VEXXHOST, Inc.</p> <p>Copyright 2016 Sam Yapple</p> <p>Copyright (c) 2018 Catalyst Cloud Ltd.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Copyright 2016 Jakub Jursa <jakub.jursa1@gmail.com></p> <p>Copyright (c) 2016 Pason System Corporation</p> <p>Copyright (c) 2015, Jesse Keating <jlk@derpops.bike></p> <p>Copyright (c) 2016, Mario Santos <mario.rf.santos@gmail.com></p> <p>Copyright 2016 Tomas Karasek <tom.to.the.k@gmail.com></p> <p>Copyright (C) 2016 PubNub Inc.</p> <p>Copyright (C) 2018 Online SAS.</p> <p>Copyright (C) 2018 Henryk Konsek Consulting (hekonsek@gmail.com).</p> <p>Copyright (c) 2016, Adfinis SyGroup AG</p> <p>Copyright: (c) 2015, VMware, Inc. All Rights Reserved.</p> <p>Copyright: (c) 2012-2018, Dag Wieers (@dagwieers) <dag@wieers.com></p> <p>Copyright: (c) 2015, Joseph Callen <jcallen () csc.com></p> <p>Copyright: (c) 2017, Tim Rightnour <thegarbledone@gmail.com></p> <p>Copyright: (c) 2014-2017, Matt Martz <matt@sivel.net></p> <p>Copyright: (c) 2017, Stéphane Travassac <stravassac () gmail.com></p> <p>Copyright: (c) 2018, Jose Angel Munoz <josea.munoz () gmail.com></p> <p>Copyright: (c) 2017, Philippe Dellaert <philippe@dellaert.org></p> <p>Copyright: (c) 2017, Wei Gao <gaowei3@qq.com></p> <p>Copyright: (c) 2017, Davis Phillips davis.phillips@gmail.com</p> <p>Copyright: (c) 2015, Bede Carroll <bc+github () bedecarroll.com></p> <p>Copyright: (c) 2015-16, Ritesh Khadgaray <khadgaray () gmail.com></p> <p>Copyright: (c) 2015, Russell Teague <rteague2 () csc.com></p> <p>Copyright: (c) 2015, Steve Gargan <steve.gargan@gmail.com></p> <p>Copyright: (c) 2016, Mathieu Bultel <mbultel@redhat.com></p> <p>Copyright 2015 WP Engine, Inc. All rights reserved.</p> <p>Copyright: (c) 2017-2018, Jordan Borean <jborean93@gmail.com></p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Copyright (c) 2017 Guillaume Delpierre <gde@llew.me></p> <p>Copyright: (c) 2016, Ben Doherty <bendohmv@gmail.com></p> <p>Copyright: (c) 2012, Stephen Fromm <sfromm@gmail.com></p> <p>Copyright: (c) 2014, 2015 YAEGASHI Takeshi <yaegashi@debian.org></p> <p>Copyright: (c) 2014, Ruggero Marchei <ruggero.marchei@daemonzone.net></p> <p>Copyright: (c) 2014-2016, Brian Coca <bcoca@ansible.com></p> <p>Copyright: (c) 2016-2017, Konstantin Shalygin <k0ste@k0ste.ru></p> <p>Copyright: (c) 2012, Jan-Piet Mens <jpmens () gmail.com></p> <p>Copyright: (c) 2015, Ales Nosek <anosek.nosek () gmail.com></p> <p>Copyright: (c) 2012-2013, Jeroen Hoekx <jeroen.hoekx@dsquare.be></p> <p>Copyright: (c) 2016, Matt Robinson <git@nerdoftheherd.com></p> <p>Copyright: (c) 2012, Daniel Hokka Zakrisson <daniel@hozac.com></p> <p>Copyright: (c) 2014, Ahti Kitsik <ak@ahtik.com></p> <p>Copyright: (c) 2012, Luis Alberto Perez Lazaro <luisperlazaro@gmail.com></p> <p>Copyright: (c) 2015, Jakub Jirutka <jakub@jirutka.cz></p> <p>Copyright: (c) 2013-2015, Evan Kaufman <evan@digitalflophouse.com></p> <p>Copyright: (c) 2012-2013, Timothy Appnel <tim@appnel.com></p> <p>Copyright: (c) 2016, Krzysztof Magosa <krzysztof@magosa.pl></p> <p>Copyright: (c) 2013, Dylan Martin <dmartin@seattlecentral.edu></p> <p>Copyright: (c) 2017-2018, Fran Fitzpatrick <francis.x.fitzpatrick@gmail.com></p> <p>Copyright: (c) 2018, Juan Manuel Parrilla <jparrill@redhat.com></p> <p>Copyright (c) 2017, Eike Frost <ei@kefro.st></p> <p>Copyright: (c) 2016, Werner Dijkerman (ikben@werner-dijkerman.nl)</p> <p>Copyright (c) 2015, Manuel Sousa <manuel.sousa@gmail.com></p> <p>Copyright 2013 Bruce Pennypacker <bruce@pennypacker.org></p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Copyright: (c) 2017, Thierry Sallé (@seuf) Copyright 2014 Benjamin Curtis <benjamin.curtis@gmail.com> Copyright (C) 2015 LogicMonitor Copyright 2013 Matt Coddington <coddington@gmail.com> Copyright 2014, Max Riveiro, <kavu13@gmail.com> Copyright: (c) 2017, Bruno Calogero <brunocalogero@hotmail.com> Copyright: (c) 2017, Jacob McGill (@jmcgill298) Copyright: (c) 2016-2017 Gaurav Rastogi, <grastogi@avinetworks.com> Copyright: (c) 2013, Nandor Sivok <nandor@gawker.com> Copyright (C) 2017 Lenovo, Inc. Copyright (c) 2016-2017 Dell Inc. Copyright: (c) 2016-2018, F5 Networks Inc. Copyright (c) 2013 Matt Hite <mhite@hotmail.com> Copyright 2018 Fortinet, Inc. Copyright (c) 2017-2018 Cisco and/or its affiliates. Copyright: (c) 2018, Kevin Breit (@kbreit) <kevin.breit@kevinbreit.net> Copyright: Nokia Copyright (c) 2017 Citrix Systems Copyright 2017 Radware LTD. Copyright: (c) 2013, Romeo Theriault <romeot () hawaii.edu> Copyright (c), meiliu@fusionlayer.com, 2017 Copyright: (c) 2016, Peter Sagerson <psagers@ignorare.net> Copyright: (c) 2016, Jiri Tyr <jiri.tyr@gmail.com> Copyright: (c) 2017-2018, Keller Fuchs <kellerfuchs@hashbang.sh> Copyright: (c) 2015, Chris Long <alcamie@gmail.com> Copyright (c) 2017 Marc Sensenich <hello@marc-sensenich.com> Copyright (c) 2012, Jim Richardson <weaselkeeper@gmail.com> Copyright (c) 2014, Chris Schmidt <chris.schmidt () contrastsecurity.com> Copyright (c) 2017 Chris Hoffman <christopher.hoffman@gmail.com></p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Copyright: (c) 2012, Matt Wright <matt@nobien.net></p> <p>Copyright: (c) 2012, Flowroute LLC</p> <p>Copyright: (c) 2012, Jayson Vantuyl <jayson@aggressive.ly></p> <p>Copyright: (c) 2013, Alexander Saltanov <asd@mokote.com></p> <p>Copyright: (c) 2014, Rutger Spiertz <rutger@kumina.nl></p> <p>Copyright: (c) 2013, Evgenii Terechkov</p> <p>Copyright 2015 Cristian van Ee <cristian at cvee.org></p> <p>Copyright 2015 Igor Gnatenko <i.gnatenko.brain@gmail.com></p> <p>Copyright 2018 Adam Miller <admiller@redhat.com></p> <p>Copyright: (c) 2017 John Kwiatkoski (@JayKay) <jkwiat40@gmail.com></p> <p>Copyright: (c) 2018 Alexander Bethke (@oolongbrothers) <oolongbrothers@gmx.net></p> <p>Copyright: (c) 2012, Afterburn <https:// github.com/afterburn></p> <p>Copyright: (c) 2013, Aaron Bull Schaefer <aaron@elasticdog.com></p> <p>Copyright: (c) 2015, Indrajit Raychaudhuri <irc +code@indrajit.com></p> <p>Copyright: (c) 2014, Peter Oliver <ansible@mavit.org.uk></p> <p>Copyright (c) 2013 Shaun Zinck <shaun.zinck at gmail.com></p> <p>Copyright (c) 2015 Lawrence Leonard Gilbert <larry@L2G.to></p> <p>Copyright (c) 2016 Jasper Lievisse Adriaanse <j at jasper.la></p> <p>Copyright: (c) Vincent Van de Kussen</p> <p>Copyright: (c) 2017, Giovanni Sciortino (@giovannisciortino)</p> <p>Copyright: (c) 2013, Héctor Acosta <hector.acosta@gazzang.com></p> <p>Copyright: (c) 2013, Philippe Makowski</p> <p>Copyright 2016 Dino Occhialini <dino.occhialini@gmail.com></p> <p>Copyright: (c) 2014, Epic Games, Inc.</p> <p>Copyright (C) 2018 Western Telematic Inc.</p> <p>Copyright: (c) 2016, Eric D Helms <ericdhelms@gmail.com></p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Copyright (c) 2016-2017 Hewlett Packard Enterprise Development LP</p> <p>Copyright (c) 2017-2018 Dell EMC Inc.</p> <p>Copyright: (c) 2016, Hugh Ma <Hugh.Ma@flextronics.com></p> <p>Copyright: (c) 2013, André Paramés <git@andreparames.com></p> <p>Copyright: (c) 2013, Yeukhon Wong <yeukhon@acm.org></p> <p>Copyright: (c) 2014, Nate Coraor <nate@bx.psu.edu></p> <p>Copyright (c) 2018, Luca 'remix_tj' Lorenzetto <lorenzetto.luca@gmail.com></p> <p>Copyright 2015 Nandaja Varma <nvarma@redhat.com></p> <p>Copyright: (c) 2014, Taneli Leppä <taneli@crasman.fi></p> <p>Copyright: (c) 2013, Johan Wiren <johan.wiren.se@gmail.com></p> <p>Copyright: (c) 2014, Richard Isaacson <richard.c.isaacson@gmail.com></p> <p>Copyright: (c) 2012, Dane Summers <dsummers@pinedesk.biz></p> <p>Copyright: (c) 2013, Mike Grozak <mike.grozak@gmail.com></p> <p>Copyright: (c) 2013, Patrick Callahan <pmc@patrickcallahan.com></p> <p>Copyright: (c) 2015, Luca Berruti <nadirio@gmail.com></p> <p>Copyright: (c) 2014, Steve <yo@groks.org></p> <p>Copyright: (c) 2013, Alexander Bulimov <lazywolf0@gmail.com></p> <p>Copyright: (c) 2016, Kenneth D. Evensen <kevensen@redhat.com></p> <p>Copyright: (c) 2013, Hiroaki Nakamura <hnakamur@gmail.com></p> <p>Copyright: (c) 2015, Linus Unnebäck <linus@folkdatorn.se></p> <p>Copyright: (c) 2017, Sébastien DA ROCHA <sebastien@da-rocha.net></p> <p>Copyright: (c) 2013, RSD Services S.A</p> <p>Copyright: (c) 2013, Matthias Vogelgesang <matthias.vogelgesang@gmail.com></p> <p>Copyright(c) 2014, Matthew Vernon <mcv21@cam.ac.uk></p> <p>Copyright: (c) 2013, David Stygstra <david.stygstra@gmail.com></p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Copyright: (c) 2014, Dan Keder <dan.keder@gmail.com></p> <p>Copyright: (c) 2016, Shinichi TAMURA (@tmshn)</p> <p>Copyright: (c) 2014, Jarno Keskikangas <jarno.keskikangas@gmail.com></p> <p>Copyright: (c) 2013, Aleksey Ovcharenko <aleksey.ovcharenko@gmail.com></p> <p>Copyright: (c) 2013, James Martin <jmartin@basho.com></p> <p>Copyright 2016 Ansible RedHat, Inc</p> <p>Copyright (C) 2013-2016, Peter Sprygada <sprygada@gmail.com></p> <p>Copyright: (c) 2015, Phil Schwartz <schwartzmx@gmail.com></p> <p>Copyright: (c) 2014-2015, Trond Hindenes <trond@hindenes.com></p> <p>Copyright: (c) 2015, Hans-Joachim Kliemeck <git@kliemeck.de></p> <p>Copyright: (c) 2017, Noah Sparks <nsparks@outlook.com></p> <p>Copyright: (c) 2015-2017, Jon Hawkesworth (@jhawkesworth)</p> <p>Copyright: (c) 2017, Marc Tschapek <marc.tschapek@itelligence.de></p> <p>Copyright: (c) 2017, AMTEGA - Xunta de Galicia</p> <p>Copyright: (c) 2017, Jordan Borean <jborean93@gmail.com>, and others</p> <p>Copyright: (c) 2015, Peter Mounce <public@neverrunwithscissors.com></p> <p>Copyright: (c) 2017, Andrew Saraceni <andrew.saraceni@gmail.com></p> <p>Copyright: (c) 2014-2015, Paul Durivage <paul.durivage@rackspace.com></p> <p>Copyright: (c) 2015, Sam Liu <sam.liu@activenetwork.com></p> <p>Copyright: (c) 2017, Michael Eaton <meaton@iforium.com></p> <p>Copyright: (c) 2014, Timothy Vandenbrande <timothy.vandenbrande@gmail.com></p> <p>Copyright: (c) 2017, Artem Zinenko <zinenkoartem@gmail.com></p> <p>Copyright: (c) 2015, Tal Auslander <tal@cloudshare.com></p> <p>Copyright: (c) 2014, Chris Hoffman <choffman@chathamfinancial.com></p> <p>Copyright: (c) 2018, Ripon Banik (@riponbanik)</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Copyright: (c) 2015-2017, Henrik Wallström <henrik@wallstroms.nu></p> <p>Copyright: (c) 2015, George Frank <george@georgefrank.net></p> <p>Copyright: (c) 2015, Adam Keech <akeech@chathamfinancial.com></p> <p>Copyright: (c) 2015, Heyo</p> <p>Copyright: (c) 2017, Liran Nisanov <lirannis@gmail.com></p> <p>Copyright: (c) 2017, Erwan Quelin (@equelin) <erwan.quelin@gmail.com></p> <p>Copyright: (c) 2016-2017, Daniele Lazzari <lazzari@mailup.com></p> <p>Copyright: (c) 2015, Josh Ludwig <jludwig@chathamfinancial.com></p> <p>Copyright: (c) 2015, Corwin Brown <corwin.brown@maxpoint.com></p> <p>Copyright: (c) 2015, Michael Perzel <michaelperzel@gmail.com></p> <p>Copyright: (c) 2015, Matt Davis <mdavis@rolpdog.com></p> <p>Copyright: (c) 2015, Matt Davis <mdavis_ansible@rolpdog.com></p> <p>Copyright (c) 2017 Willem van Ketwich Copyright 2017 Michael De La Rue Ansible</p> <p>Copyright: (c) 2018, Aaron Haaf <aabonh@gmail.com></p> <p>Copyright (c) 2017, Paul Baker <paul@paulbaker.id.au></p> <p>Copyright 2015 Abhijit Menon-Sen <ams@2ndQuadrant.com></p> <p>Copyright 2012, Seth Vidal <skvidal@fedoraproject.org></p> <p>Copyright 2012, Tim Bielawa <tbielawa@redhat.com></p> <p>Copyright: (c) 2018, Sam Doran <sdoran@redhat.com></p> <p>Copyright 2016 Ansible (RedHat, Inc)</p> <p>Copyright (C) 2016 maxn nikolaev.makc@gmail.com</p> <p>Copyright: (c) 2017, Allyson Bowles <@akatch></p> <p>Copyright (c) 2013, Michael Scherer <misc@zarb.org></p> <p>Copyright 2017, Ken Celenza <ken@networktocode.com></p> <p>Copyright 2017, Jason Edelman <jason@networktocode.com></p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Copyright (C) 2016 Guido Günther <agx@sigxcpu.org>, Daniel Lobato Garcia <dlobatog@redhat.com></p> <p>Copyright (c) 2012, Marco Vito Moscaritolo <marco@agavee.com></p> <p>Copyright (c) 2013, Jesse Keating <jesse.keating@rackspace.com></p> <p>Copyright (c) 2016, Rackspace Australia</p> <p>Copyright (c) 2014, Chris Church <chris@ninemoreminutes.com></p> <p>Copyright: (c) 2017, Swetha Chunduri (@schunduri)</p> <p>Copyright (c) 2016 Chris Houseknecht, <house@redhat.com></p> <p>Copyright (c) 2015 Jonathan Mainguy <jon@soh.re></p> <p>Copyright: (c) 2016, techbizdev <techbizdev@paloaltonetworks.com></p> <p>Copyright (C) 2018 Yanis Guenane <yanis+ansible@guenane.org></p> <p>Copyright: (c) 2016, Charles Paul <cpaul@ansible.com></p> <p>Ansible 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 3 of the License, or (at your option) any later version.</p> <p>Ansible 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 Appendix W for more details.</p> <p>=====</p> <p>=====</p> <p>This file is from the selectors2.py package. It backports the PSF Licensed selectors module from the Python-3.5 stdlib to older versions of Python. The author, Seth Michael Larson, dual licenses his modifications under the PSF License and MIT License: https://github.com/SethMichaelLarson/selectors2#license</p> <p>Copyright (c) 2016 Seth Michael Larson PSF License (see licenses/PSF-license.txt or https://opensource.org/licenses/Python-2.0)</p> <p>Copyright 2007 Google Inc. Licensed to PSF under a Contributor Agreement.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<ol style="list-style-type: none"> <li data-bbox="881 352 1364 548">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. <li data-bbox="881 569 1364 968">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) 2001-2015 Python Software Foundation; All Rights Reserved" are retained in Python alone or in any derivative version prepared by Licensee. <li data-bbox="881 989 1364 1213">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. <li data-bbox="881 1234 1364 1570">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 NO INFRINGE ANY THIRD PARTY RIGHTS. <li data-bbox="881 1591 1364 1871">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.

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.</p> <p>7. This License Agreement will automatically terminate upon a material breach of its terms and conditions.</p> <p>8. By copying, installing or otherwise using Python, Licensee agrees to be bound by the terms and conditions of this License Agreement.</p> <p>=====</p> <p>This file is from the selectors2.py package. It backports the PSF Licensed selectors module from the Python-3.5 stdlib to older versions of Python. The author, Seth Michael Larson, dual licenses his modifications under the PSF License and MIT License: https://github.com/SethMichaelLarson/selectors2#license</p> <p>Copyright (c) 2016 Seth Michael Larson MIT License (see licenses/MIT-license.txt or https://opensource.org/licenses/MIT) Copyright (c) 2010-2017 Benjamin Peterson See Appendix G.</p> <p>=====</p> <p>Copyright (c), James Cammarata, 2016 Copyright (c), Toshio Kuratomi, 2014-2016 Copyright (c), Michael Gruener <michael.gruener@chaosmoon.net>, 2016 Copyright (c), Wayne Witzel III <wayne@riotousliving.com> (c) 2015 Brian Ccoa, <bcoca@ansible.com> Copyright (c) 2016-2018 Ansible Project Copyright (c) 2017 Will Thames Copyright (c) 2015-2016, René Moser <mail@renemoser.net> Copyright (c), Sviatoslav Sydorenko <ssydoren@redhat.com> 2018 (c) 2016-2018 Red Hat Inc. Copyright (c), Michael DeHaan <michael.dehaan@gmail.com>, 2012-2013 Copyright (c), Franck Cuny <franck.cuny@gmail.com>, 2014 Copyright (c), Google Inc, 2017 Copyright (C) 2018 IBM CORPORATION Copyright (c), Gregory Shulov <gregory.shulov@gmail.com>,2016</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Copyright (c) 2016 Thomas Krahn (@Nosmoht)</p> <p>Copyright (c) 2017, Eike Frost <ei@kefro.st></p> <p>(c) 2016, Hiroaki Nakamura <hnakamur@gmail.com></p> <p>Copyright (c) 2017, Daniel Korn <korndaniel1@gmail.com></p> <p>Copyright (c) 2018, Simon Weald <ansible@simonweald.com></p> <p>Copyright (c), Jonathan Mainguy <jon@soh.re>, 2015</p> <p>Copyright (c) 2017, Sumit Kumar <sumit4@netapp.com></p> <p>Copyright (c) 2017, Michael Price <michael.price@netapp.com></p> <p>Copyright (c) 2018, Laurent Nicolas <laurentn@netapp.com></p> <p>Copyright: (c) 2017, Dag Wieers <dag@wieers.com></p> <p>Copyright: (c) 2017, Jacob McGill (@jmcgill298)</p> <p>Copyright: (c) 2017, Swetha Chunduri (@schunduri)</p> <p>Copyright (c) 2017 Apstra Inc, <community@apstra.com></p> <p>Copyright (c), Gaurav Rastogi <grastogi@avinetworks.com>, 2017</p> <p>(c) 2016, Ted Elhourani <ted@bigswitch.com></p> <p>Copyright (C) 2017 Lenovo, Inc.</p> <p>Copyright (c) 2015-2016 Peter Sprygada, <psprygada@ansible.com></p> <p>Copyright (c) 2016 Dell Inc.</p> <p>(c) 2017 Fortinet, Inc. All rights reserved.</p> <p>Copyright (c), Benjamin Jolivot <bjolivot@gmail.com>, 2014</p> <p>Copyright: (c) 2018, Kevin Breit <kevin.breit@kevinbreit.net></p> <p>Copyright (c) 2017 Citrix Systems</p> <p>(c) 2018 Extreme Networks Inc.</p> <p>Copyright (2016-2017) Hewlett Packard Enterprise Development LP</p> <p>Copyright 2018 www.privaz.io Valletech AB</p> <p>Copyright (c) 2014 Hewlett-Packard Development Company, L.P.</p> <p>Copyright (c), Ted Timmons <ted@timmons.me>, 2017.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Copyright (c), Michael DeHaan <michael.dehaan@gmail.com>, 2014, and others</p> <p>Copyright (c), Simon Dodsley <simon@purestorage.com>, 2017</p> <p>Copyright (c) 2015, Marius Gedminas</p> <p>Copyright (c), James Laska</p> <p>(c) 2017 Cisco Systems Inc.</p> <p>(c) 2018 Luca 'remix_tj' Lorenzetto</p> <p>Copyright (c) 2016, Adfinis SyGroup AG</p> <p>Copyright: (c) 2018, Abhijeet Kasurde <akasurde@redhat.com></p> <p>Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <ol style="list-style-type: none"> 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. <p>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.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Apache	Avro 1.9.2	<p>Apache Avro Copyright 2010-2019 The Apache Software Foundation APACHE 2.0 -See Appendix E</p> <p>NUnit license acknowledgement: Portions Copyright © 2002-2012 Charlie Poole or Copyright © 2002-2004 James W. Newkirk, Michael C. Two, Alexei A. Vorontsov or Copyright © 2000-2002 Philip A. Craig Based upon the representations of upstream licensors, it is understood that portions of the mapreduce API included in the Java implementation are licensed from various contributors under one or more contributor license agreements to Odiago, Inc. and were then contributed by Odiago to Apache Avro, which has now made them available under the Apache 2.0 license. The original file header text is: Licensed to Odiago, Inc. under one or more contributor license agreements. See the NOTICE file distributed with this work for additional information regarding copyright ownership. Odiago, Inc. 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 https://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 Odiago NOTICE at the time of the contribution: This product includes software developed by Odiago, Inc. (https://www.wibidata.com). Apache Ivy includes the following in its NOTICE file: Apache Ivy Copyright 2007-2010 The Apache Software Foundation This product includes software developed by The Apache Software Foundation (https://www.apache.org/). Portions of Ivy were originally developed by Jayasoft SARL (http://www.jayasoft.fr/) and are licensed to the Apache Software Foundation under the "Software Grant License Agreement" SSH and SFTP support is provided by the JCraft JSch package, which is open source software, available under the terms of a BSD style license. The original software and related information is available at http://www.jcraft.com/jsch/. Apache Log4Net includes the following in its NOTICE file: </p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Apache log4net Copyright 2004-2015 The Apache Software Foundation This product includes software developed at The Apache Software Foundation (https://www.apache.org/). csharp reflect serializers were contributed by Pitney Bowes Inc. Copyright 2019 Pitney Bowes 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 https://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.</p> <p>----- The following fourth-party dependencies also use the Apache 2.0 license Fourth Party Dependency # 1: jackson-core Fourth Party Dependency #1 License : Apache 2.0 Fourth Party Dependency #1 Copyright : Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com. ## Licensing Jackson core and extension components may be licensed under different licenses. To find the details that apply to this artifact see the accompanying LICENSE file. For more information, including possible other licensing options, contact FasterXML.com (http://fasterxml.com). ## Credits A list of contributors may be found from CREDITS file, which is included in some artifacts (usually source distributions); but is always available from the source code management (SCM) system project uses."</p> <p>----- Fourth Party Dependency # 2: jackson-databind Fourth Party Dependency #2 License : Apache 2.0 Fourth Party Dependency #2 Copyright : Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com. ## Licensing Jackson core and extension components may be licensed under different licenses. To find the details that apply to this artifact see the accompanying LICENSE file. For more information, including possible other licensing options, contact FasterXML.com (http://fasterxml.com). ## Credits A list of contributors may be found from CREDITS file, which is included in some artifacts (usually source distributions); but is always available from the source code management (SCM) system project uses."</p> <p>----- Fourth Party Dependency # 3: joda-time 2.10.5 Fourth Party Dependency #3 License : Apache 2.0 Fourth Party Dependency #3 Copyright : " Copyright 2001-2009 Stephen Colebourne * * 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."</p> <p>----- Fourth Party Dependency # 4: commons-compress Fourth Party Dependency #4 License : Apache 2.0 Fourth Party Dependency #4 Copyright : Apache Commons Compress Copyright 2002-2019 The Apache Software Foundation This product includes software developed at The Apache Software Foundation (https://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: "LZMA SDK is placed in the public domain." (http://www.7zip.org/sdk.html)</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Apache	Commons Beanutils 1.9.4	<p>Apache Commons BeanUtils 1.9.4</p> <p>NOTICE:</p> <p>Apache Commons BeanUtils Copyright 2000-2019 The Apache Software Foundation</p> <p>This product includes software developed at The Apache Software Foundation (http://www.apache.org/).</p> <p>LICENSE: Apache 2.0 See Appendix E</p> <p>Apache Commons Collections 3.2.2</p> <p>NOTICE:</p> <p>Apache Commons Collections Copyright 2001-2015 The Apache Software Foundation</p> <p>This product includes software developed by The Apache Software Foundation (http://www.apache.org/).</p> <p>LICENSE: Apache 2.0 See Appendix E</p> <p>Apache Commons Logging 1.2</p> <p>NOTICE:</p> <p>Apache Commons Logging Copyright 2003-2014 The Apache Software Foundation</p> <p>This product includes software developed at The Apache Software Foundation (http://www.apache.org/).</p> <p>LICENSE: Apache 2.0 See Appendix E</p>
Apache	Commons IO 2.6	<p>APACHE 2.0 - See Appendix E Fourth-party dependencies: JUNIT Eclipse Public License 1.0 - See Appendix J</p>
Apache	commons-lang3- 3.8.1	<p>Copyright 2001-2018 The Apache Software Foundation APACHE 2.0 -See Appendix E</p>
Apache	commons-lang 3.9	<p>Commons-Lang3 v3.9</p> <p>NOTICE:</p> <p>Apache Commons Lang Copyright 2001-2018 The Apache Software Foundation</p> <p>This product includes software developed at The Apache Software Foundation (http://www.apache.org/).</p> <p>APACHE 2.0 -See Appendix E</p>
Apache	commons-validator 1.6.0	<p>APACHE 2.0 - See Appendix E</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Simon Kelley	dnsmasq 2.76-7	<p>dnsmasq is Copyright (c) 2000-2016 Simon Kelley</p> <p>It was downloaded from: http://www.thekelleys.org.uk/dnsmasq/</p> <p>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; version 2 dated June, 1991, or (at your option) version 3 dated 29 June, 2007.</p> <p>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.</p> <p>On Debian GNU/Linux systems, the text of the GNU general public license is available in the file <code>/usr/share/common-licenses/GPL-2</code> or <code>/usr/share/common-licenses/GPL-3</code> The Debian package of dnsmasq was created by Simon Kelley with assistance from Lars Bahner. GPL v2 - See Appendix A</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Cory Dolphin	flask-cors 3.0.7	<p>Copyright (C) 2016 Cory Dolphin, Olin College MIT - See Appendix G</p> <p>-----</p> <p>Six Flask>=0.9 Jinja2-2.10 Werkzeug-0.14.1 click-6.7 itsdangerous-0.24 MarkupSafe-1.0</p> <p>-----</p> <p>six Copyright (c) 2010-2015 Benjamin Peterson MIT - See Appendix G</p> <p>-----</p> <p>Flask: Copyright © 2010 by the Pallets team. Some rights reserved. Redistribution and use in source and binary forms of the software as well as documentation, 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 its contributors may be used to endorse or promote products derived from this software without specific prior written permission.</p> <p>THIS SOFTWARE AND DOCUMENTATION 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 AND DOCUMENTATION, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.</p> <p>-----</p> <p>Jinja2-2.10 Copyright (c) 2009 by the Jinja Team Some rights reserved. Redistribution</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: *</p> <p>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. * The names of the contributors may not be used to endorse or promote products derived from this software without specific prior written permission.</p> <p>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.</p> <p>-----</p> <p>Werkzeug Copyright © 2007 by the Pallets team. Some rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: *</p> <p>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 its contributors may be used to endorse or</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>promote products derived from this software without specific prior written permission.</p> <p>THIS SOFTWARE AND DOCUMENTATION 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 AND DOCUMENTATION, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.</p> <p>-----</p> <p>Click Copyright (c) 2014 by Armin Ronacher. Click uses parts of optparse written by Gregory P. Ward and maintained by the Python software foundation. This is limited to code in the parser.py module: Copyright (c) 2001-2006 Gregory P. Ward. All rights reserved. Copyright (c) 2002-2006 Python Software Foundation. All rights reserved. Some 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. * The names of the contributors may not be used to endorse or promote products derived from this software without specific prior written permission.</p> <p>THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES,</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>-----</p> <p>itsdangerous Copyright (c) 2011 by Armin Ronacher and the Django Software Foundation. Some 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. * The names of the contributors may not be used to endorse or promote products derived from this software without specific prior written permission.</p> <p>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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>-----</p> <p>MarkupSafe 0.23 - BSD Copyright (c) 2010 by Armin Ronacher and contributors. Some rights reserved. Redistribution and use in source and binary forms of the software as well as documentation, 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. * The names of the contributors may not be used to endorse or promote products derived from this software without specific prior written permission.</p> <p>THIS SOFTWARE AND DOCUMENTATION 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 AND DOCUMENTATION, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Armin Ronacher	Flask-SQLAlchemy 2.3.2	<p>Copyright (c) 2014 by Armin Ronacher. Some 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. * The names of the contributors may not be used to endorse or promote products derived from this software without specific prior written permission.</p> <p>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.</p> <p>=====</p> <p>4 Party Dependencies: Flask 1.0.2 Copyright © 2010 by the Pallets team. Some rights reserved. Redistribution and use in source and binary forms of the software as well as documentation, 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. *</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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 AND DOCUMENTATION 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. --- SQLAlchemy 1.2.13 Copyright (c) 2005-2018 the SQLAlchemy authors and contributors. SQLAlchemy is a trademark of Michael Bayer. MIT - See Appendix G</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Apache Software Foundation	Groovy 3.0.0-beta-3	<p>Copyright 2003-2018 The Apache Software Foundation APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>ANTLR 2 License Antlr2 is released in the public domain. See licenses/antlr2-license.txt for details.</p> <p>-----</p> <p>normalize.css License The stylesheet.css file (originally normalize.css) is used by the groovydoc and docgenerator components for groovy-jdk/gapi documentation. It is made available under a MIT License. Details: licenses/normalize-stylesheet-license.txt Copyright (c) Nicolas Gallagher and Jonathan Neal MIT - See Appendix G</p> <p>-----</p> <p>ASM 4 License ASM 4 uses a 3-clause BSD license. For details, see licenses/asm-license.txt.</p> <p>-----</p> <p>JLine2 Patch License The following class within this product: org.codehaus.groovy.tools.shell.completion.FileNameCompleter was derived from JLine 2.12, and the following patch: https://github.com/jline/jline2/issues/90 JLine2 is made available under a BSD License. For details, see licenses/jline2-license.</p> <p>-----</p> <p>JSR223 License The following classes within this product: org.codehaus.groovy.jsr223.GroovyCompiledScript org.codehaus.groovy.jsr223.GroovyScriptEngineFactory org.codehaus.groovy.jsr223.GroovyScriptEngineImpl were derived from reference implementation files developed by Sun in collaboration with the Groovy community. The reference implementation has a BSD-style license. Details can be found in: licenses/jsr223-license.txt</p> <p>-----</p>
Google	GSON 2.8.5	Copyright 2008-2011 Google Inc. APACHE 2.0 - See Appendix E
Google	Guava 27.0	APACHE 2.0 - See Appendix E

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Google	Guava 27.0.1	Copyright (C) 2008 The Guava Authors APACHE 2.0 - See Appendix E

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Google	Guava 28.1	<p>Copyright (C) 2008 The Guava Authors APACHE 2.0 - See Appendix E =====</p> <p>Modules: guava-bom guava-gwt guava-testlib guava-tests guava refactorings util =====</p> <p>4P Dependencies: 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/ Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <ol style="list-style-type: none"> 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. <p>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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>--</p> <p>com.google.errorprone » error_prone_annotations 2.3.0 COPYRIGHT: Copyright 2017 The Error Prone Authors. LICENSE: Apache 2.0 https://github.com/google/error-prone/blob/v2.2.0/COPYING</p> <p>---</p> <p>--</p> <p>com.google.guava » failureaccess 1.0.1 (part of google guava 28.1-jre. same license and copyright)</p> <p>---</p> <p>com.google.guava » listenablefuture 9999.0-empty-... (part of google guava 28.1-jre. same license and copyright)</p> <p>---</p> <p>com.google.j2objc » j2objc-annotations 1.3 COPYRIGHT: (C) Daniel Connelly and Google, Inc. LICENSE: Apache 2.0 https://github.com/google/j2objc/blob/1.1/LICENSE</p> <p>---</p> <p>org.checkerframework » checker-qual 2.8.1, MIT license COPYRIGHT: Copyright 2004-present by the Checker Framework 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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Software is furnished to do so, subject to the following conditions:</p> <p>The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.</p> <p>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.</p> <p>=====</p> <p>=====</p> <p>javaparser 3.14.14</p> <p>Copyright (C) 2007-2010 Júlio Vilmar Gesser. Copyright (C) 2011, 2013-2016 The JavaParser Team.</p> <p>JavaParser is available either under the terms of the LGPL 3 License or the Apache 2.0 License. You as the user are entitled to choose the terms under which to adopt JavaParser.</p> <p>=====</p> <p>=====</p> <p>org.codehaus.mojo » animal-sniffer-annotations 1.18</p> <p>Copyright (c) 2009 codehaus.org. The MIT License</p>
Free Software Foundation	gzip 1.5-10	<p>Copyright (C) 1985-2012 Free Software Foundation, Inc.</p> <p>Copyright (C) 1992-1993 Jean-loup Gailly Copyright: Sverre Jarp (HP Labs) 2001-2002</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Hazelcast	Hazelcast 3.12.5	<p>Hazelcast Copyright (c) 2008-2019, Hazelcast, Inc. All Rights Reserved. 4P Dependencies: *****</p> <p>Note: Hazelcast contains no 4P dependencies, but code from the following projects was used in the component. License and copyright information is included for these:</p> <p>The packages: com.hazelcast.util.collection com.hazelcast.internal.util.concurrent and the classes: com.hazelcast.util.QuickMath com.hazelcast.client.impl.protocol.util.UnsafeBuffer com.hazelcast.client.impl.protocol.util.BufferBuilder code originating from the Agrona project (https://github.com/real-logic/Agrona). Copyright 2014-2018 Real Logic Limited 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.</p> <p>-----</p> <p>The class com.hazelcast.util.HashUtil contains code originating from the Koloboke project (https://github.com/OpenHFT/Koloboke). Copyright 2014 the original author or 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 *</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>* http://www.apache.org/licenses/LICENSE-2.0</p> <p>*</p> <p>* Unless required by applicable law or agreed to in writing, software</p> <p>* distributed under the License is distributed on an "AS IS" BASIS,</p> <p>* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.</p> <p>* See the License for the specific language governing permissions and</p> <p>* limitations under the License.</p> <p>-----</p> <p>com.hazelcast.internal.cluster.fd.PhiAccrualFailureDetector contains code originating from the Akka project (https://github.com/akka/akka/).</p> <p>This software is licensed under the Apache 2 license, quoted below.</p> <p>Copyright 2009-2018 Lightbend Inc. <https://www.lightbend.com></p> <p>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</p> <p>http://www.apache.org/licenses/LICENSE-2.0</p> <p>Unless required by applicable law or agreed to in writing, software</p> <p>distributed under the License is distributed on an "AS IS" BASIS, WITHOUT</p> <p>WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.</p> <p>APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>The package com.hazelcast.internal.json contains code originating from minimal-json project (https://github.com/ralfstx/minimal-json).</p> <p>Copyright (c) 2013, 2014 EclipseSource</p> <p>Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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:</p> <p>The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.</p> <p>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.</p> <p>-----</p> <p>The class <code>classloading.ThreadLocalLeakTestUtils</code> contains code originating from the Tomcat project (https://github.com/apache/tomcat).</p> <p>Apache Tomcat Copyright 1999-2018 The Apache Software Foundation</p> <p>This product includes software developed at The Apache Software Foundation (https://www.apache.org/).</p> <p>This software contains code derived from <code>netty-native</code> developed by the Netty project (https://netty.io, https://github.com/netty/netty-tcnative/) and from <code>finagle-native</code> developed at Twitter (https://github.com/twitter/finagle).</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>The Windows Installer is built with the Nullsoft Scriptable Install System (NSIS), which is open source software. The original software and related information is available at http://nsis.sourceforge.net.</p> <p>Java compilation software for JSP pages is provided by the Eclipse JDT Core Batch Compiler component, which is open source software. The original software and related information is available at https://www.eclipse.org/jdt/core/.</p> <p>For portions of the Tomcat JNI OpenSSL API and the OpenSSL JSSE integration The org.apache.tomcat.jni and the org.apache.tomcat.net.openssl packages are derivative work originating from the Netty project and the finagle-native project developed at Twitter</p> <p>* Copyright 2014 The Netty Project * Copyright 2014 Twitter</p> <p>The original XML Schemas for Java EE Deployment Descriptors:</p> <ul style="list-style-type: none"> - javaee_5.xsd - javaee_web_services_1_2.xsd - javaee_web_services_client_1_2.xsd - javaee_6.xsd - javaee_web_services_1_3.xsd - javaee_web_services_client_1_3.xsd - jsp_2_2.xsd - web-app_3_0.xsd - web-common_3_0.xsd - web-fragment_3_0.xsd - javaee_7.xsd - javaee_web_services_1_4.xsd - javaee_web_services_client_1_4.xsd - jsp_2_3.xsd - web-app_3_1.xsd - web-common_3_1.xsd - web-fragment_3_1.xsd - javaee_8.xsd - web-app_4_0.xsd - web-common_4_0.xsd - web-fragment_4_0.xsd

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>may be obtained from: http://www.oracle.com/webfolder/technetwork/jsc/xml/ns/javaee/index.html Apache License - See Appendix E APACHE TOMCAT SUBCOMPONENTS: Apache Tomcat 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. For the Eclipse JDT Core Batch Compiler (ecj-x.x.x.jar) component: Eclipse Public License - v 1.0 See Appendix J For the Windows Installer component: * All NSIS source code, plug-ins, documentation, examples, header files and graphics, with the exception of the compression modules and where otherwise noted, are licensed under the zlib/libpng license. * The zlib compression module for NSIS is licensed under the zlib/libpng license. * The bzip2 compression module for NSIS is licensed under the bzip2 license. * The lzma compression module for NSIS is licensed under the Common Public License version 1.0. zlib/libpng 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. bzip2 license Redistribution and use in source and binary forms, with or without modification, are</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>permitted provided that the following conditions are met:</p> <ol style="list-style-type: none"> 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 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. <p>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.</p> <p>Julian Seward, Cambridge, UK. jseward@acm.org</p> <p>Common Public License version 1.0 - See Appendix R</p> <p>Special exception for LZMA compression module Igor Pavlov and Amir Szekely, the authors of the LZMA compression module for NSIS, expressly permit you to statically or dynamically link your code (or bind by name) to the files from the LZMA compression module for NSIS without subjecting your linked code to the terms of the Common Public license version</p> <p>1.0. Any modifications or additions to files from the LZMA compression module for NSIS,</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>however, are subject to the terms of the Common Public License version 1.0. - See Appendix R</p> <p>For the following XML Schemas for Java EE Deployment Descriptors:</p> <ul style="list-style-type: none"> - javaee_5.xsd - javaee_web_services_1_2.xsd - javaee_web_services_client_1_2.xsd - javaee_6.xsd - javaee_web_services_1_3.xsd - javaee_web_services_client_1_3.xsd - jsp_2_2.xsd - web-app_3_0.xsd - web-common_3_0.xsd - web-fragment_3_0.xsd - javaee_7.xsd - javaee_web_services_1_4.xsd - javaee_web_services_client_1_4.xsd - jsp_2_3.xsd - web-app_3_1.xsd - web-common_3_1.xsd - web-fragment_3_1.xsd - javaee_8.xsd - web-app_4_0.xsd - web-common_4_0.xsd - web-fragment_4_0.xsd <p>COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.0 - See Appendix M</p> <p>The Netty Project</p> <p>=====</p> <p>Please visit the Netty web site for more information: * http://netty.io/</p> <p>Copyright 2016 The Netty Project</p> <p>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:</p> <p>http://www.apache.org/licenses/LICENSE-2.0</p> <p>Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>zlib/libpng license</p> <p>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.</p> <p>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:</p> <p>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.</p> <p>Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.</p> <p>This notice may not be removed or altered from any source distribution.</p> <p>bzip2 license</p> <p>Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <p>Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.</p> <p>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.</p> <p>Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.</p> <p>The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.</p> <p>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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>Julian Seward, Cambridge, UK. jseward@acm.org Common Public License version 1.0 - See Appendix R</p> <p>-----</p> <p>Copyright © 2006, 2017 Eclipse Contributors and others</p> <p>All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License v1.0 which accompanies this distribution. A copy of the EPL is available at http://www.eclipse.org/legal/epl-v10.html.</p> <p>Eclipse Public License - v 1.0 See Appendix J</p> <p>-----</p> <p>This program is based on the JaCoCo code coverage library which includes the ASM Java bytecode library, provided under the terms and conditions of the BSD License, and Google Code Prettify, provided under the terms and conditions of the Apache License Version 2.0.</p> <p>The user documentation contains example code taken from the Apache Jakarta Commons project, provided under the terms and conditions of the Apache License Version 2.0.</p> <p>ASM: a very small and fast Java bytecode manipulation framework</p> <p>Copyright (c) 2000-2011 INRIA, France Telecom</p> <p>All rights reserved.</p> <p>Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <p>1. Redistributions of source code must retain the above copyright</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>notice, this list of conditions and the following disclaimer.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ APACHE 2.0 - See Appendix E</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Kubernetes	Helm 2.9.1	<p>APACHE 2.0 - See Appendix E</p> <p>----- Fourth Party dependencies:</p> <p>Package: cloud.google.com/go URL: https://code.google.com/go/ Version: 3b1ae45394a234c385be014e9a488f2bb6eef821 Person: Google APACHE 2.0 - See Appendix E</p> <p>----- Package: github.com/aokoli/goutils URL: https://github.com/aokoli/goutils Version: 9c37978a95bd5c709a15883b6242714ea6709e64 Person: @aokoli [Alex] APACHE 2.0 - See Appendix E</p> <p>----- Package: github.com/asaskevich/govalidator URL: https://github.com/asaskevich/govalidator Version: 7664702784775e51966f0885f5cd27435916517b Person: @asaskevich [Alex Saskevich] Copyright (c) 2014 Alex Saskevich MIT - See Appendix G</p> <p>----- Package: github.com/aws/aws-sdk-go URL: https://github.com/aws/aws-sdk-go Version: 760741802ad40f49ae9fc4a69ef6706d2527d62e Person: @aws [Amazon Web Services] APACHE 2.0 - See Appendix E</p> <p>----- Package: github.com/Azure/go-ansiterm URL: https://github.com/Azure/go-ansiterm Version: 19f72df4d05d31cbe1c56bfc8045c96babff6c7e Person: @Azure [Microsoft Azure] Copyright (c) 2015 Microsoft Corporation MIT - See Appendix G</p> <p>----- Package: github.com/Azure/go-autorest URL: https://github.com/Azure/go-autorest Version: e14a70c556c8e0db173358d1a903dca345a8e75e Person: @Azure [Microsoft Azure] APACHE 2.0 - See Appendix E</p> <p>----- Package: github.com/beorn7/perks URL: https://github.com/beorn7/perks Version: 3ac7bf7a47d159a033b107610db8a1b6575507a4 Person: @beorn7 [Björn Rabenstein] Copyright (C) 2013 Blake Mizerany MIT - See Appendix G</p> <p>----- Package: github.com/chai2010/gettext-go URL: https://github.com/chai2010/gettext-go Version: bf70f2a70fb1b1f36d90d671a72795984eab0fc</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>b Person: @chai2010 [chai2010] Copyright 2013 ChaiShushan <chaishushan(AT)gmail.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: * 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 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.</p> <p>----- Package: github.com/cpuguy83/go-md2man URL: https://github.com/cpuguy83/go-md2man Version: 71acacd42f85e5e82f70a55327789582a5200a90 Person: @cpuguy83 [Brian Goff] Copyright (c) 2014 Brian Goff MIT - See Appendix G</p> <p>----- Package: github.com/davecgh/go-spew URL: https://github.com/davecgh/go-spew Version: 782f4967f2dc4564575ca782fe2d04090b5faca8 Person: @davecgh [Dave Collins] ISC</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>License Copyright (c) 2012-2016 Dave Collins <dave@davec.name> 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.</p> <p>----- Package: github.com/dgrijalva/jwt-go URL: https://github.com/dgrijalva/jwt-go Version: 01aeca54ebda6e0bfafd0a524d234159c05ec20 Person: @dgrijalva [Dave Grijalva] Copyright (c) 2012 Dave Grijalva MIT - See Appendix G</p> <p>----- Package: github.com/docker/distribution URL: https://github.com/docker/distribution Version: edc3ab29cdf8694dd6feb85cfcb4b5f1b38ed9c Person: @docker [Docker] APACHE 2.0 - See Appendix E</p> <p>----- Package: github.com/docker/docker URL: https://github.com/docker/docker Version: 4f3616fb1c112e206b88cb7a9922bf49067a7756 Person: @docker [Docker] APACHE 2.0 - See Appendix E</p> <p>----- Package: github.com/docker/go-connections URL: https://github.com/docker/go-connections Version: 3ede32e2033de7505e6500d6c868c2b9ed9f169d Person: @docker [Docker] APACHE 2.0 - See Appendix E</p> <p>----- Package: github.com/docker/go-units URL: https://github.com/docker/go-units Version:</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>9e638d38cf6977a37a8ea0078f3ee75a7cdb2d d1 Person: @docker [Docker] APACHE 2.0 - See Appendix E</p> <p>----- Package: github.com/docker/ spdystream URL: https://github.com/docker/ spdystream Version: 449dfce4d962303d702fec724ef0ad181c9252 8 Person: @docker [Docker] APACHE 2.0 - See Appendix E</p> <p>----- Package: github.com/emicklei/go- restful URL: https://github.com/emicklei/go- restful Version: ff4f55a206334ef123e4f79bbf348980da81ca46 Person: @emicklei [Ernest Micklei] Copyright (c) 2012,2013 Ernest Micklei MIT - See Appendix G</p> <p>----- Package: github.com/evanphx/json- patch URL: https://github.com/evanphx/json- patch Version: 944e07253867aacae43c04b2e6a239005443f 33a Person: @evanphx [Evan Phoenix] Copyright (c) 2014, Evan Phoenix 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 Evan Phoenix 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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>----- Package: github.com/exponent-io/jsonpath URL: https://github.com/exponent-io/jsonpath Version: d6023ce2651d8eafb5c75bb0c7167536102ec9f5 Person: @exponent-io [Exponent Labs] Copyright (c) 2015 Exponent Labs LLC MIT - See Appendix G</p> <p>----- Package: github.com/fatih/camelcase URL: https://github.com/fatih/camelcase Version: f6a740d52f961c60348ebb109adde9f4635d7540 Person: @fatih [Fatih Arslan] Copyright (c) 2015 Fatih Arslan MIT - See Appendix G</p> <p>----- Package: github.com/ghodss/yaml URL: https://github.com/ghodss/yaml Version: 73d445a93680fa1a78ae23a5839bad48f32ba1ee Person: @ghodss [Sam Ghods] Copyright (c) 2014 Sam Ghods MIT - See Appendix G Copyright (c) 2012 The Go Authors. 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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>----- Package: github.com/go-ini/ini URL: https://github.com/go-ini/ini Version: 300e940a926eb277d3901b20bdfcc54928ad3642 Person: @go-ini [null] APACHE 2.0 - See Appendix E</p> <p>----- Package: github.com/go-openapi/jsonpointer URL: https://github.com/go-openapi/jsonpointer Version: 46af16f9f7b149af66e5d1bd010e3574dc06de98 Person: @go-openapi [OpenAPI Initiative golang toolkit] APACHE 2.0 - See Appendix E</p> <p>----- Package: github.com/go-openapi/jsonreference URL: https://github.com/go-openapi/jsonreference Version: 13c6e3589ad90f49bd3e3bbe2c2cb3d7a4142272 Person: @go-openapi [OpenAPI Initiative golang toolkit] APACHE 2.0 - See Appendix E</p> <p>----- Package: github.com/go-openapi/spec URL: https://github.com/go-openapi/spec Version: 7abd5745472fff5eb3685386d5fb8bf38683154d Person: @go-openapi [OpenAPI Initiative golang toolkit] APACHE 2.0 - See Appendix E</p> <p>----- Package: github.com/go-openapi/swagger URL: https://github.com/go-openapi/swagger Version: f3f9494671f93fcff853e3c6e9e948b3eb71e590 Person: @go-openapi [OpenAPI Initiative golang toolkit] APACHE 2.0 - See Appendix E</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Zaxxer.com	HikariCP 3.2.0	<p>Copyright (C) 2013, 2014 Brett Wooldridge APACHE 2.0 - See Appendix E Below 4th party dependency</p> <p>----- SLF4j 1.7.25, MIT license SLF4J source code and binaries are distributed under the MIT license. Copyright (c) 2004-2013 QOS.ch All rights reserved. MIT - See Appendix G</p>
Zaxxer.com	HikariCP 3.3.1	<p>Copyright (C) 2013, 2014 Brett Wooldridge APACHE 2.0 - See Appendix E Below 4th party dependency</p> <p>----- SLF4j 1.7.25, MIT license SLF4J source code and binaries are distributed under the MIT license. Copyright (c) 2004-2013 QOS.ch All rights reserved. MIT - See Appendix G</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
HSQL Development Group	HSQLDB 2.4.1	<p>For work developed by the HSQL Development Group: Copyright (c) 2001-2016, The HSQL Development Group 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 HSQL Development Group 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 HSQL DEVELOPMENT GROUP, HSQLDB.ORG, 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 work originally developed by the Hypersonic SQL Group: Copyright (c) 1995-2000 by the Hypersonic SQL Group. 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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>provided with the distribution. Neither the name of the Hypersonic SQL Group 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 HYPERSONIC SQL GROUP, 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. This software consists of voluntary contributions made by many individuals on behalf of the Hypersonic SQL Group. 4th party dependencies: FOP v1.0 Apache FOP Copyright 1999-2018 The Apache Software Foundation APACHE 2.0 - See Appendix E xmlgraphics-commons v1.4 Apache XML Graphics Commons Copyright 2006-2018 The Apache Software Foundation APACHE 2.0 - See Appendix E avalon-framework v4.3.1 Copyright (c) 1997-2003 The Apache Software Foundation. * reserved. APACHE 2.0 - See Appendix E Batik v1.7 Apache Batik Copyright 1999-2018 The Apache Software Foundation APACHE 2.0 - See Appendix E commons-io v2.1 Apache Commons IO Copyright 2002-2017 The Apache Software Foundation APACHE 2.0 - See Appendix E commons-logging v1.1.1 Apache Commons Logging Copyright 2003-2014 The Apache Software Foundation APACHE 2.0 - See Appendix E xalan v2.7.1 Apache Xalan (Xalan XSLT processor) Copyright 1999-2006 The Apache Software Foundation APACHE 2.0 - See Appendix E Apache Xalan (Xalan serializer) Copyright 1999-2006 The Apache</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Software Foundation JFlex v1.4.3 JFlex is free software, published under the terms of this 3-clause BSD-style license. Copyright (c) Gerwin Klein, Steve Rowe, Régis Decamps. 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 names of the authors nor the names of JFlex 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.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Apache	HttpClient 4.5.7	<p>Apache httpclient 4.5.7 Copyright 1999-2019 The Apache Software Foundation APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>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 MPL 2.0 - See Appendix S</p> <p>-----</p> <p>4th -party Dependencies:</p> <p>commons-codec » commons-codec 1.11 COPYRIGHT: Copyright 2002-2014 The Apache Software Foundation LICENSE: Apache 2.0 https://github.com/apache/commons-codec/blob/1.10/LICENSE.txt</p> <p>commons-logging » commons-logging 1.2 COPYRIGHT: Copyright 2003-2014 The Apache Software Foundation LICENSE: Apache 2.0 https://github.com/apache/commons-logging/blob/LOGGING_1_2/LICENSE.txt</p> <p>org.apache.httpcomponents » httpcore 4.4.11 COPYRIGHT: Copyright 2005-2019 The Apache Software Foundation LICENSE: Apache 2.0 https://github.com/apache/httpcomponents-core/blob/4.4.11/LICENSE.txt</p> <p>commons-codec » commons-codec 1.11 COPYRIGHT: Copyright 2002-2014 The Apache Software Foundation LICENSE: Apache 2.0 https://github.com/apache/commons-codec/blob/commons-codec-1.11/LICENSE.txt</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Apache	HttpClient 4.5.10	<p>Apache HttpComponents HttpClient 4.5.8 Copyright 1999-2019 The Apache Software Foundation APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>Modules: *****</p> <p>httpClient httpmime fluent-hc httpClient-cache httpClient-win httpClient-osgi</p> <p>-----</p> <p>4th -party Dependencies: commons-codec » commons-codec 1.11, commons-codec-1.12.jar COPYRIGHT: Copyright 2002-2017 The Apache Software Foundation LICENSE: Apache 2.0 https://github.com/apache/commons-codec/blob/commons-codec-1.11/LICENSE.txt commons-logging » commons-logging 1.2 COPYRIGHT: Copyright 2003-2014 The Apache Software Foundation LICENSE: Apache 2.0 https://github.com/apache/commons-logging/blob/LOGGING_1_2/LICENSE.txt org.apache.httpcomponents » httpcore 4.4.11 COPYRIGHT: Copyright 2005-2019 The Apache Software Foundation LICENSE: Apache 2.0 https://github.com/apache/httpcomponents-core/blob/4.4.11/LICENSE.txt commons-lang3-3.9.jar Copyright © 2019 The Apache Software Foundation, Licensed under the Apache License, Version 2.0. LICENSE: Apache 2.0 https://github.com/apache/commons-logging/blob/LOGGING_1_2/LICENSE.txt 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 MPL 2.0 - See Appendix S This Source Code Form is "Incompatible With Secondary Licenses", as defined by the Mozilla Public License, v. 2.0.</p> <p>=====</p> <p>=====</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Fourth Party Dependency Name : ehcache-core</p> <p>Fourth Party Dependency License : Apache 2.0</p> <p>Fourth Party Dependency Copyright : Copyright Ecache V3</p> <p>Copyright 2014-2016 Terracotta, Inc.</p> <p>The product includes software from the Apache Commons Lang project, under the Apache License 2.0 (see: org.ehcache.impl.internal.classes.commonslang)</p> <p>=====</p> <p>Fourth Party Dependency Name : slf4j-jcl</p> <p>Fourth Party Dependency License : MIT</p> <p>Fourth Party Dependency Copyright : Copyright</p> <p>Copyright (c) 2004-2017 QOS.ch</p> <p>All rights reserved.</p> <p>MIT - See Appendix G</p> <p>Fourth Party Dependency Name : spymemcached</p> <p>Fourth Party Dependency License : MIT</p> <p>Fourth Party Dependency Copyright : Copyright</p> <p>Copyright (c) 2006-2009 Dustin Sallings</p> <p>Copyright (c) 2009-2011 Couchbase, Inc.</p> <p>=====</p> <p>Fourth Party Dependency Name : jna</p> <p>Fourth Party Dependency License : Apache 2.0</p> <p>Fourth Party Dependency Copyright : Copyright</p> <p>Copyright (C) 1991, 1999 Free Software Foundation, Inc.</p> <p>59 Temple Place, Suite 330, Boston, MA 02111-1307 USA</p> <p>Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License.</p> <p>You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0</p> <p>Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS,</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>=====</p> <p>Fourth Party Dependency Name : docbook-xml Fourth Party Dependency License : Apache 2.0 Fourth Party Dependency Copyright : Copyright Copyright 2015 the original author or 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.</p>
seancoley	ipaddress 5.0.2	APACHE 2.0 - See Appendix E
FasterXML, LLC	jackson-annotations 2.10.0	<p>Jackson Annotations Copyright (c) 2019 Tatu Saloranta <tatu.saloranta@iki.fi> LICENSE: Apache 2.0 - See Appendix E</p>
FasterXML, LLC	jackson-core 2.9.8	<p>COPYRIGHT: Copyright (c) 2007- Tatu Saloranta, tatu.saloranta@iki.fi APACHE 2.0 - See Appendix E</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
FasterXML, LLC	jackson-core 2.10.0	<p>Copyright © 2008–2019 FasterXML. All rights reserved.</p> <p>This copy of Jackson JSON processor streaming parser/generator is licensed under the Apache (Software) License, version 2.0 ("the License").</p> <p>See the License for details about distribution rights, and the specific rights regarding derivate works.</p> <p>You may obtain a copy of the License at: http://www.apache.org/licenses/LICENSE-2.0 APACHE 2.0 - See Appendix E</p> <p>COPYRIGHT NOTICE</p> <p># Jackson JSON processor</p> <p>Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.</p> <p>It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.</p> <p>## Licensing</p> <p>Jackson core and extension components may licensed under different licenses. To find the details that apply to this artifact see the accompanying LICENSE file. For more information, including possible other licensing options, contact FasterXML.com (http://fasterxml.com).</p> <p>## Credits</p> <p>A list of contributors may be found from CREDITS file, which is included in some artifacts (usually source distributions); but is always available from the source code management (SCM) system project uses.</p> <p>-----</p> <p>APACHE 2.0 - See Appendix E</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
FasterXML, LLC	jackson-databind 2.10.0	<p>Copyright (c) 2019 Tatu Saloranta <tatu.saloranta@iki.fi> APACHE 2.0 - See Appendix E COPYRIGHT NOTICE # Jackson JSON processor Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.</p> <p>----- Below are 4th party dependencies -----jackson-core 2.10.0 -----</p> <p>COPYRIGHT: Copyright (c) 2007- Tatu Saloranta, tatu.saloranta@iki.fi APACHE 2.0 - See Appendix E ## Credits A list of contributors may be found from CREDITS file, which is included in some artifacts (usually source distributions); but is always available from the source code management (SCM) system project uses.</p> <p>-----jackson-annotations 2.10.0----- COPYRIGHT: Copyright (c) 2007- Tatu Saloranta, tatu.saloranta@iki.fi APACHE 2.0 - See Appendix E</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
FasterXML, LLC	jackson-databind 2.10.2	<p>Copyright (c) 2019 Tatu Saloranta <tatu.saloranta@iki.fi> APACHE 2.0 - See Appendix E COPYRIGHT NOTICE # Jackson JSON processor Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.</p> <p>-----jackson-core 2.10.2 -----</p> <p>COPYRIGHT: Copyright (c) 2007- Tatu Saloranta, tatu.saloranta@iki.fi APACHE 2.0 - See Appendix E ## Credits A list of contributors may be found from CREDITS file, which is included in some artifacts (usually source distributions); but is always available from the source code management (SCM) system project uses.</p> <p>-----jackson-annotations 2.10.2-----</p> <p>COPYRIGHT: Copyright (c) 2007- Tatu Saloranta, tatu.saloranta@iki.fi APACHE 2.0 - See Appendix E</p>
FasterXML, LLC	jackson-dataformat-yaml 2.10.0	<p>This copy of Jackson JSON processor YAML module is licensed under the Apache (Software) License, version 2.0 ("the License"). See the License for details about distribution rights, and the specific rights regarding derivate works. You may obtain a copy of the License at: http://www.apache.org/licenses/LICENSE-2.0 APACHE 2.0 - See Appendix E Copyright (c) 2008, http://www.snakeyaml.org APACHE 2.0 - See Appendix E 4TH Party Dependency : snakeyaml license: Apache 2.0 - See Appendix E</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
FasterXML, LLC	jackson-dataformat-yaml 2.10.2	<p>This copy of Jackson JSON processor YAML module is licensed under the Apache (Software) License, version 2.0 ("the License").</p> <p>See the License for details about distribution rights, and the specific rights regarding derivate works.</p> <p>You may obtain a copy of the License at: http://www.apache.org/licenses/LICENSE-2.0</p> <p>APACHE 2.0 - See Appendix E</p> <p>Copyright (c) 2008, http://www.snakeyaml.org</p> <p>APACHE 2.0 - See Appendix E</p> <p>4TH Party Dependency : snakeyaml license: Apache 2.0 - See Appendix E</p>
FasterXML, LLC	jackson-datatype-joda 2.9.6	<p>APACHE 2.0 - See Appendix E</p> <p>Below are 4th party dependencies:</p> <p>jackson-annotations 2.9.0, Apache 2.0</p> <p>jackson-core 2.9.6, Apache 2.0</p> <p>jackson-databind 2.9.6, Apache 2.0</p> <p>Above 3 softwares don't have copyright info in the source code, just license info of Apache 2.0</p> <p>joda-time 2.7, Apache 2.0</p> <p>NOTICE file corresponding to section 4d of the Apache License Version 2.0</p> <p>This product includes software developed by Joda.org (http://www.joda.org/).</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
FasterXML, LLC	jackson-datatype-joda 2.10.0	jackson-datatype-joda 2.10.0 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/). COPYRIGHT: Copyright 2007 Tatu Saloranta Copyright 2012 FasterXML.com APACHE 2.0 - See Appendix E 4th party dependencies: com.fasterxml.jackson.core jackson-core com.fasterxml.jackson.core jackson-databind com.fasterxml.jackson.core jackson- annotations COPYRIGHT: Copyright 2007 Tatu Saloranta Copyright 2012 FasterXML.com LICENSE: Apache 2.0 http://www.apache.org/licenses/LICENSE-2.0 joda-time COYRIGHT: Copyright 2001-2015 Stephen Colebourne LICENSE: Apache 2.0 http://www.apache.org/licenses/LICENSE-2.0 APACHE 2.0 - See Appendix E

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
FasterXML, LLC	jackson-datatype-joda 2.10.2	<p>jackson-datatype-joda 2.10.0</p> <p>NOTICE file corresponding to section 4d of the Apache License Version 2.0</p> <p>This product includes software developed by Joda.org (http://www.joda.org/).</p> <p>COPYRIGHT:</p> <p>Copyright 2007 Tatu Saloranta</p> <p>Copyright 2012 FasterXML.com</p> <p>APACHE 2.0 - See Appendix E</p> <p>4th party dependencies:</p> <p>com.fasterxml.jackson.core jackson-core</p> <p>com.fasterxml.jackson.core jackson-databind</p> <p>com.fasterxml.jackson.core jackson-annotations</p> <p>COPYRIGHT:</p> <p>Copyright 2007 Tatu Saloranta</p> <p>Copyright 2012 FasterXML.com</p> <p>LICENSE: Apache 2.0 http://www.apache.org/licenses/LICENSE-2.0</p> <p>joda-time</p> <p>COYRIGHT: Copyright 2001-2015 Stephen Colebourne</p> <p>LICENSE: Apache 2.0 http://www.apache.org/licenses/LICENSE-2.0</p> <p>APACHE 2.0 - See Appendix E</p>
FasterXML, LLC	jackson-datatype-jsr310 2.10.0	<p>jackson-datatype-jsr310 2.10.0</p> <p>COPYRIGHT: [1]</p> <p>LICENSE: [3]</p> <p>Fourth party dependencies</p> <p>jackson-annotations 2.10.0</p> <p>COPYRIGHT: [2]</p> <p>LICENSE: [3]</p> <p>Copyright 2013 FasterXML.com</p> <p>APACHE 2.0 - See Appendix E</p>
Oracle	JavaScript Extension Toolkit (JET) 5.1.0	JET - See Appendix L.

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Eclipse	Jetty 9.4.15.v20190215	<p>org.eclipse.jetty 9.4.15.v20190215</p> <p>COPYRIGHT: Copyright Eclipse Foundation Copyright 1995-2019 Mort Bay Consulting Pty Ltd.</p> <p>LICENSE: EPL v2.0 + Apache 2.0</p> <p>This program and the accompanying materials are made available under the terms of the Eclipse Public License 2.0 which is available at http://www.eclipse.org/legal/epl-2.0, or the Apache Software License 2.0 which is available at https://www.apache.org/licenses/LICENSE-2.0.</p> <p>Oracle elects the Apache 2.0 license - See Appendix E.</p>
Eclipse	Jetty 9.4.24	<p>The Jetty Web Container is Copyright Mort Bay Consulting Pty Ltd unless otherwise noted.</p> <p>Jetty Web Container Copyright 1995-2019 Mort Bay Consulting Pty Ltd.</p> <p>Jetty is dual licensed under both</p> <ul style="list-style-type: none"> * The Apache 2.0 License http://www.apache.org/licenses/LICENSE-2.0.html and * The Eclipse Public 1.0 License http://www.eclipse.org/legal/epl-v10.html <p>Jetty may be distributed under either license. APACHE 2.0 - See Appendix E</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Jetty	jetty-reactive-httpclient 1.1.0	<p>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.</p> <p>See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #1 org.reactivestreams:reactive-streams 1.0.3</p> <p>COPYRIGHT NOTICES</p> <p>Licensed under Public Domain (CC0)</p> <p>To the extent possible under law, the person who associated CC0 with this code has waived all copyright and related or neighboring rights to this code.</p> <p>You should have received a copy of the CC0 legalcode along with this work. If not, see <http://creativecommons.org/publicdomain/zero/1.0/>.</p> <p>***** *****/</p> <p>FOURTH-PARTY DEPENDENCY #1 LICENSE</p> <p>No Copyright</p> <p>The person who associated a work with this deed has dedicated the work to the public domain by waiving all of his or her rights to the work worldwide under copyright law, including all related and neighboring rights, to the extent allowed by law.</p> <p>You can copy, modify, distribute and perform the work, even for commercial purposes, all without asking permission. See Other Information below.</p> <p>This license is acceptable for Free Cultural Works.</p> <p>Other Information</p> <p>In no way are the patent or trademark rights of any person affected by CC0, nor are the rights that other persons may have in the work or in</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>how the work is used, such as publicity or privacy rights.</p> <p>Unless expressly stated otherwise, the person who associated a work with this deed makes no warranties about the work, and disclaims liability for all uses of the work, to the fullest extent permitted by applicable law.</p> <p>When using or citing the work, you should not imply endorsement by the author or the affirmer.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #2 org.eclipse.jetty:jetty-client 9.4.24.v20191120</p> <p>=====</p> <p>Jetty Web Container Copyright 1995-2018 Mort Bay Consulting Pty Ltd.</p> <p>=====</p> <p>The Jetty Web Container is Copyright Mort Bay Consulting Pty Ltd unless otherwise noted.</p> <p>Jetty is dual licensed under both The Apache 2.0 License http://www.apache.org/licenses/LICENSE-2.0.html and The Eclipse Public 1.0 License http://www.eclipse.org/legal/epl-v10.html Jetty may be distributed under either license.</p> <p>-----</p> <p>Eclipse The following artifacts are EPL. * org.eclipse.jetty.orbit:org.eclipse.jdt.core The following artifacts are EPL and ASL2. * org.eclipse.jetty.orbit:javafx.security.auth.message The following artifacts are EPL and CDDL 1.0. * org.eclipse.jetty.orbit:javafx.mail.glassfish</p> <p>-----</p> <p>OW2 The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html org.ow2.asm:asm-commons</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>org.ow2.asm:asm ----- Apache The following artifacts are ASL2 licensed. org.apache.taglibs:taglibs-standard-spec org.apache.taglibs:taglibs-standard-impl ----- MortBay The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed. org.mortbay.jasper:apache-jsp org.apache.tomcat:tomcat-jasper org.apache.tomcat:tomcat-juli org.apache.tomcat:tomcat-jsp-api org.apache.tomcat:tomcat-el-api org.apache.tomcat:tomcat-jasper-el org.apache.tomcat:tomcat-api org.apache.tomcat:tomcat-util-scan org.apache.tomcat:tomcat-util org.mortbay.jasper:apache-el org.apache.tomcat:tomcat-jasper-el org.apache.tomcat:tomcat-el-api ----- Mortbay The following artifacts are CDDL + GPLv2 with classpath exception. https://glassfish.dev.java.net/nonav/public/ CDDL+GPL.html org.eclipse.jetty.toolchain:jetty-schemas ----- Assorted The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non- commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies. ----- Eclipse Public License - v 1.0 - See Appendix J APACHE 2.0 - See Appendix E</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		----- FOURTH-PARTY DEPENDENCY #3 org.slf4j:slf4j-api 1.7.28 -> 1.7.29 COMMON COPYRIGHT NOTICES and LICENSE TEXT The MIT License (MIT) Copyright (c) 2004-2017 QOS.ch All rights reserved. See Appendix G

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
jsonwebtoken.io, Technology	jjwt 0.10.7	<p>TOP-LEVEL COMPONENTS: io.jsonwebtoken:jjwt-api:0.10.7 io.jsonwebtoken:jjwt-impl:0.10.7 io.jsonwebtoken:jjwt-jackson:0.10.7</p> <p>COPYRIGHT NOTICE Copyright (C) 2019 jsonwebtoken.io This program is licensed to you under the Apache License Version 2.0, and you may not use this file except in compliance with the Apache License Version 2.0. You may obtain a copy of the Apache License Version 2.0 at http://www.apache.org/licenses/LICENSE-2.0. Unless required by applicable law or agreed to in writing, software distributed under the Apache License Version 2.0 is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the Apache License Version 2.0 for the specific language governing permissions and limitations there under. Extract as it is from NOTICE.md : ## Base64 implementation JJWT's `io.jsonwebtoken.io.Base64` implementation is based on [MigBase64] (https://github.com/brsanthu/migbase64) with continued modifications for Base64 URL support and additional test cases. The MigBase64 copyright and license notice have been retained and are repeated here per that code's requirements: Licence (BSD): ===== Copyright (c) 2004, Mikael Grev, MiG InfoCom AB. (base64 @ miginfocom . com) All rights reserved. BSD License- See Appendix N ----- TOP-LEVEL LICENSE TEXT for io.jsonwebtoken:jjwt-api:0.10.7 io.jsonwebtoken:jjwt-impl:0.10.7 io.jsonwebtoken:jjwt-jackson:0.10.7 Apache License, Version 2.0 - See Appendix E -----</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #1 com.fasterxml.jackson.core:jackson-annotations:2.10.1</p> <p>FOURTH-PARTY DEPENDENCY #1 COPYRIGHT NOTICES Copyright © 2008–2017 FasterXML. All rights reserved.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #2 com.fasterxml.jackson.core:jackson-core:2.10.1</p> <p>FOURTH-PARTY DEPENDENCY #2 COPYRIGHT NOTICES Jackson JSON-processor. Copyright (c) 2007- Tatu Saloranta, tatu.saloranta@iki.fi # Jackson JSON processor Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com. ## Licensing Jackson core and extension components may licensed under different licenses. To find the details that apply to this artifact see the accompanying LICENSE file. For more information, including possible other licensing options, contact FasterXML.com (http://fasterxml.com). ## Credits A list of contributors may be found from CREDITS file, which is included in some artifacts (usually source distributions); but is always available from the source code management (SCM) system project uses.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #3 com.fasterxml.jackson.core:jackson-databind:2.10.1</p> <p>FOURTH-PARTY DEPENDENCY #3 COPYRIGHT NOTICES Copyright © 2008–2019 FasterXML. All rights reserved.</p> <p>-----</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #1 com.fasterxml.jackson.core:jackson-annotations:2.10.1</p> <p>FOURTH-PARTY DEPENDENCY #2 com.fasterxml.jackson.core:jackson-core:2.10.1</p> <p>FOURTH-PARTY DEPENDENCY #3 com.fasterxml.jackson.core:jackson-databind:2.10.1</p> <p>COMMON LICENSE NOTICE Apache License, Version 2.0</p>
JSON.org	JSON-Java 20180813	<p>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.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
JSON.org	JSON-Java 20190722	<p>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:</p> <p>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.</p>
Jayway	JsonPath 2.4.0	<p>Copyright 2017 Jayway Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. APACHE 2.0 - See Appendix E 4th -party dependencies: json-smart 2.3 Copyright 2011 JSON-SMART authors Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. APACHE 2.0 - See Appendix E slf4j-api 1.7.25 Copyright (c) 2004-2017 QOS.ch All rights reserved. MIT License - See Appendix G</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Everit Kft	JSON Schema 1.12.1	<p>Copyright (C) 2011 Everit Kft. (http://www.everit.org)</p> <p>Licensed under the Apache License, Version 2.0 (the "License") APACHE 2.0 - See Appendix E</p> <p>4th -party dependencies:</p> <p>re2j/ The Go license/https://golang.org/LICENSE</p> <p>Copyright (c) 2009 The Go Authors. All rights reserved.</p> <p>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 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.</p> <p>Common-validator</p> <p>Apache Commons Validator</p> <p>Copyright 2001-2017 The Apache Software Foundation</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>APACHE 2.0 - See Appendix E</p> <p>json 20160810</p> <p>Copyright (c) 2002 JSON.org</p> <p>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.</p> <p>commons-beanutils 1.9.3</p> <p>Apache Commons BeanUtils</p> <p>Copyright 2000-2016 The Apache Software Foundation</p> <p>APACHE 2.0 - See Appendix E</p> <p>handy-uri-templates 2.1.6</p> <p>Copyright (c) 2012, Ryan J. McDonough</p> <p>All rights reserved.</p> <p>APACHE 2.0 - See Appendix E</p>
Kong Inc.	Kong 1.0.3	<p>Copyright 2016-2018 Kong Inc. Licensed under the Apache License, Version 2.0 (the "License") APACHE 2.0 - See Appendix E</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
The Kubernetes Authors	Kubernetes Java Client 7.0.0	<p>Copyright 2018 The Kubernetes Authors. Licensed under the Apache License, Version 2.0 (the "License") APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>- guava COPYRIGHT: Copyright (C) 2008 The Guava Authors LICENSE: Apache 2.0</p> <p>-----</p> <p>- commons-codec Copyright 2001-2019 The Apache Software Foundation LICENSE: Apache 2.0</p> <p>-----</p> <p>- client-java-api Copyright 2018 The Kubernetes Authors. LICENSE: Apache 2.0</p> <p>-----</p> <p>- client-java-proto Copyright 2018 The Kubernetes Authors. LICENSE: Apache 2.0</p> <p>-----</p> <p>- commons-compress Copyright 2001-2019 The Apache Software Foundation LICENSE: Apache 2.0</p> <p>-----</p> <p>- commons-lang3 Copyright 2001-2019 The Apache Software Foundation LICENSE: Apache 2.0</p> <p>-----</p> <p>- commons-collections4 Copyright 2001-2019 The Apache Software Foundation LICENSE: Apache 2.0</p> <p>-----</p> <p>- snakeyaml Copyright (c) 2008, http://www.snakeyaml.org LICENSE: Apache 2.0</p> <p>-----</p> <p>3-Clause BSD License is applicable for - protobuf-java 3.4.0 (https://opensource.org/licenses/BSD-3-Clause)</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Copyright 2008 Google Inc. All rights reserved. https://developers.google.com/protocol-buffers/ Note: This license has also been called the "New BSD License" or "Modified BSD License". See also the 2-clause BSD License. BSD License- See Appendix N Bouncy Castle Licence -bcprov-ext-jdk15on 1.61 -bcpkix-jdk15on 1.61 Copyright (c) 2000 - 2019 The Legion of the Bouncy Castle Inc. (https://www.bouncycastle.org) https://www.bouncycastle.org/licence.html Please note this should be read in the same way as the MIT license. Please also note this licensing model is made possible through funding from donations and the sale of support contracts. LICENSE Copyright (c) 2000 - 2019 The Legion of the Bouncy Castle Inc. (https://www.bouncycastle.org) MIT License - See Appendix G ----- MIT License - slf4j-api 1.7.25 Copyright (c) 2004-2017 QOS.ch - adal4j 1.6.0 Copyright (c) Microsoft Corporation. MIT License - See Appendix G</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
The Kubernetes Authors	Kubernetes Java Client library 4.0.0	<p>Copyright 2017-2018 The Kubernetes Authors. Licensed under the Apache License, Version 2.0 (the "License") APACHE 2.0 - See Appendix E Copyright (C) 2015 Red Hat, Inc. Licensed under the Apache License, Version 2.0 (the "License") APACHE 2.0 - See Appendix E Copyright (c) 2000 - 2019 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 Copyright 2019 MIT License - See Appendix G</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Red Hat, Inc.	Kubespray 2.10.3.1	<p>Copyright Red Hat, Inc. All Rights Reserved. APACHE 2.0 - See Appendix E 4th-party Dependencies: Ansible, 2.4.0 GPL v3 -</p> <p>-----</p> <p>python-netaddr, 7.19 Copyright (c) 2008 by David P. D. Moss. 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 David P. D. Moss 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 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.</p> <p>-----</p> <p>Jinja, 2.9.6 Copyright (c) 2009 by the Jinja Team, see AUTHORS for more details. Some 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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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. * The names of the contributors 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 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.</p>
Pivotal Software, Inc	Micrometer 1.0.5 Micrometer 1.1.2 Micrometer 1.1.4	APACHE 2.0 - See Appendix E
kontainers	micrometer-akka 0.10.1	Copyright © 2017,2018 Workday, Inc. Copyright © 2013-2017 the kamon project, http://kamon.io/ APACHE 2.0 - See Appendix E

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Pivotal Software, Inc	Micrometer Registry Prometheus 1.3.6	<p>Copyright 2017 Pivotal Software, Inc. This product contains a modified portion of 'io.netty.util.internal.logging', in the Netty/ Common library distributed by The Netty Project: * Copyright 2013 The Netty Project * License: Apache License v2.0 * Homepage: https://netty.io This product contains a modified portion of 'StringUtils.isBlank()', in the Commons Lang library distributed by The Apache Software Foundation: * Copyright 2001-2019 The Apache Software Foundation * License: Apache License v2.0 * Homepage: https://commons.apache.org/proper/commons-lang/ This product contains a modified portion of 'JsonUtf8Writer', in the Moshi library distributed by Square, Inc: * Copyright 2010 Google Inc. * License: Apache License v2.0 * Homepage: https://github.com/square/moshi The micrometer-core and micrometer-registry-statsd modules package a modified copy of the PCollections library by Harold Cooper. * Copyright 2008 Harold Cooper * License: MIT License * Homepage: https://github.com/hrlcdpr/pcollections</p> <p>-----</p> <p>APACHE 2.0 - See Appendix E The micrometer-core and micrometer-registry-statsd modules package a modified copy of the pcollections library, licensed under the MIT license.</p> <p>-----</p> <p>----- MIT License Copyright 2008 Harold Cooper 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,</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.</p> <p>----- FOURTH-PARTY DEPENDENCY #1 io.micrometer:micrometer-core:jar:1.3.2 NOTICE and LICENSE text same as top level artifact. -----</p> <p>FOURTH-PARTY DEPENDENCY #2 io.prometheus:simpleclient_common:0.7.0</p> <p>FOURTH-PARTY DEPENDENCY #3 io.prometheus:simpleclient:0.7.0 Prometheus instrumentation library for JVM applications Copyright 2012-2015 The Prometheus Authors This product includes software developed at Boxever Ltd. (http://www.boxever.com/). This product includes software developed at SoundCloud Ltd. (http://soundcloud.com/). This product includes software developed as part of the Ocelli project by Netflix Inc. (https://github.com/Netflix/ocelli/). LICENSE text same as top level artifact. -----</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Igor Sysoev	Nginx 1.14.2	<p>* Copyright (C) 2002-2016 Igor Sysoev * Copyright (C) 2011-2016 Nginx, 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.</p> <p>* 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.</p> <p>Below is the 4th party dependency license info.</p> <p>***** OpenSSL Library *****</p> <p>Copyright (c) 1998-2018 The OpenSSL Project Copyright (c) 1995-1998 Eric A. Young, Tim J. Hudson All rights reserved. DESCRIPTION The OpenSSL Project is a collaborative effort to develop a robust, commercial-grade, fully featured, and Open Source toolkit implementing the Transport Layer Security (TLS) protocols (including SSLv3) as well as a full-strength general purpose cryptographic library. OpenSSL is descended from the SSLeay library developed by Eric A. Young and Tim J. Hudson. The OpenSSL toolkit is licensed under a dual-license (the OpenSSL license plus the SSLeay license), which means that you are</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>free to get and use it for commercial and non-commercial purposes as long as you fulfill the conditions of both licenses. LICENSE ISSUES</p> <p>=====</p> <p>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</p> <p>-----</p> <p>* 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:</p> <p>* * 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.</p> <p>* * 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.</p> <p>* * 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/)"</p> <p>* * 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.</p> <p>* * 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.</p> <p>* * 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/)"</p> <p>* * 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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>** 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</p> <p>-----</p> <p>/* 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:</p> <p>* 1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.</p> <p>* 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>the documentation and/or other materials provided with the distribution.</p> <p>* 3. All advertising materials mentioning features or use of this software must display the following acknowledgment: "This product includes cryptographic software written by Eric Young (eay@cryptsoft.com)" The word 'cryptographic' can be left out if the routines from the library being used are not cryptographic related :-).</p> <p>* 4. If you include any Windows specific code (or a derivative thereof) from the apps directory (application code) you must include an acknowledgment: "This product includes software written by Tim Hudson (tjh@cryptsoft.com)"</p> <p>** 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.</p> <p>** 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.] */ PCRE2 LICENCE ----- PCRE2 is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language. Release 10 of PCRE2 is distributed under the terms of the "BSD" licence, as specified below, with one exemption for certain binary redistributions. The documentation for PCRE2, supplied in the "doc" directory, is distributed under the same terms as the software itself. The data in the testdata directory is not copyrighted and is in</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>the public domain. The basic library functions are written in C and are freestanding. Also included in the distribution is a just-in-time compiler that can be used to optimize pattern matching. This is an optional feature that can be omitted when the library is built. THE BASIC LIBRARY FUNCTIONS -----</p> <p>Written by: Philip Hazel Email local part: ph10 Email domain: cam.ac.uk University of Cambridge Computing Service, Cambridge, England. Copyright (c) 1997-2018 University of Cambridge All rights reserved. PCRE2 JUST-IN-TIME COMPILATION SUPPORT -----</p> <p>Written by: Zoltan Herczeg Email local part: hzmester Emain domain: freemail.hu Copyright(c) 2010-2018 Zoltan Herczeg All rights reserved. STACK-LESS JUST-IN-TIME COMPILER -----</p> <p>Written by: Zoltan Herczeg Email local part: hzmester Emain domain: freemail.hu Copyright(c) 2009-2018 Zoltan Herczeg All rights reserved. THE "BSD" LICENCE -----</p> <p>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 notices, this list of conditions and the following disclaimer. * Redistributions in binary form must reproduce the above copyright notices, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. * Neither the name of the University of Cambridge nor the names of any contributors may be used to endorse or promote products derived from this software without specific prior written permission.</p> <p>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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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. EXEMPTION FOR BINARY LIBRARY-LIKE PACKAGES</p> <p>-----</p> <p>The second condition in the BSD licence (covering binary redistributions) does not apply all the way down a chain of software. If binary package A includes PCRE2, it must respect the condition, but if package B is software that includes package A, the condition is not imposed on package B unless it uses PCRE2 independently. End</p> <p>*****ZLIB*****</p> <p>Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler Zlib License - See Appendix H</p>
Node.js Foundation	Node.js 10.15.0	Copyright Node.js contributors. All rights reserved. Node.js - See Appendix V
Square, Inc.	OkHttp 3.13.1	Copyright 2016 Square, Inc. Licensed under the Apache License, Version 2.0 (the "License") APACHE 2.0 - See Appendix E

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Square, Inc.	OkHttp 4.2.2	<p>Copyright 2013 Twitter, Inc. Licensed under the Apache License, Version 2.0 (the "License") APACHE 2.0 - See Appendix E</p> <p>Copyright 2016 Square, Inc. Licensed under the Apache License, Version 2.0 (the "License") APACHE 2.0 - See Appendix E</p> <p>Copyright (C) 2013 The Android Open Source Project Licensed under the Apache License, Version 2.0 (the "License") APACHE 2.0 - See Appendix E</p> <p>Copyright 2016 Google Inc. Licensed under the Apache License, Version 2.0 (the "License") APACHE 2.0 - See Appendix E</p> <p>Copyright (C) 2013 Square, Inc. Copyright (C) 2011 The Guava Authors Licensed under the Apache License, Version 2.0 (the "License") APACHE 2.0 - See Appendix E</p> <p>Copyright (C) 2012 Square, Inc. Copyright (C) 2012 The Android Open Source Project Licensed under the Apache License, Version 2.0 (the "License") APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>TOP-LEVEL LICENSE TEXT for com.squareup.okhttp3:okhttp:4.2.2 Apache License, Version 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #1 com.squareup.okio:okio:2.2.2 FOURTH-PARTY DEPENDENCY #1 COPYRIGHT NOTICES Copyright (C) 2018 Square, Inc. and others. Licensed under the Apache License, Version 2.0 (the "License");</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #2 org.jetbrains:annotations:13.0 FOURTH-PARTY DEPENDENCY #2 COPYRIGHT NOTICES Copyright 2000-2019 JetBrains s.r.o. Use of this source code is governed by the Apache 2.0 license that can be found in the LICENSE file.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #3 org.jetbrains.kotlin:kotlin-stdlib:1.3.50</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		FOURTH-PARTY DEPENDENCY #4 org.jetbrains.kotlin:kotlin-stdlib-common:1.3.50 COMMON COPYRIGHT NOTICES Copyright 2010-2018 JetBrains s.r.o. Licensed under the Apache License, Version 2.0 (the "License"); See Appendix E

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
The Netty Project	netty 4.1.46.Final	<p>The Netty Project Copyright 2012,2019 The Netty Project Copyright 2011,2018 The Netty Project Copyright 2014,2017 The Netty Project Copyright 2012,2017 The Netty Project Copyright 2012,2016 The Netty Project Copyright 2014 Twitter, Inc. Copyright (c) 2011, Joe Walnes and contributors Copyright (c) 2008-2009 Bjoern Hoehrmann <bjoern@hoehrmann.de> Copyright (c) 2004-2011 QOS.ch The Netty Project ===== Please visit the Netty web site for more information: * https://netty.io/ Copyright 2014 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 APACHE 2.0 - See Appendix E 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/jboss-cache/experimental/jsr166/ The person or persons who have associated work with this document (the "Dedicator" or "Certifier") hereby either (a) certifies that, to the best of his knowledge, the work of authorship identified is in the public domain of the country from which the work is published, or (b) hereby dedicates whatever copyright the dedicators holds in the work of authorship identified below (the "Work") to the public domain. A certifier, moreover, dedicates any copyright interest he may have in the associated work, and for these purposes, is described as a "dedicator" below.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>A certifier has taken reasonable steps to verify the copyright status of this work. Certifier recognizes that his good faith efforts may not shield him from liability if in fact the work certified is not in the public domain. Dedicator makes this dedication for the benefit of the public at large and to the detriment of the Dedicator's heirs and successors. Dedicator intends this dedication to be an overt act of relinquishment in perpetuity of all present and future rights under copyright law, whether vested or contingent, in the Work. Dedicator understands that such relinquishment of all rights includes the relinquishment of all rights to enforce (by lawsuit or otherwise) those copyrights in the Work.</p> <p>Dedicator recognizes that, once placed in the public domain, the Work may be freely reproduced, distributed, transmitted, used, modified, built upon, or otherwise exploited by anyone for any purpose, commercial or non-commercial, and in any way, including by methods that have not yet been invented or conceived.</p> <p>---</p> <p>This product contains a modified version of Robert Harder's Public Domain Base64 Encoder and Decoder, which can be obtained at:</p> <p>LICENSE: license/LICENSE.base64.txt (Public Domain)</p> <p>HOME PAGE: http://iharder.sourceforge.net/current/java/base64/</p> <p>The person or persons who have associated work with this document (the "Dedicator" or "Certifier") hereby either (a) certifies that, to the best of his knowledge, the work of authorship identified is in the public domain of the country from which the work is published, or (b) hereby dedicates whatever copyright the dedicators holds in the work of authorship identified below (the "Work") to the public domain. A certifier, moreover, dedicates any copyright interest he may have in the associated work, and for these purposes, is described as a "dedicator" below.</p> <p>A certifier has taken reasonable steps to verify the copyright status of this work. Certifier recognizes that his good faith efforts may not shield him from liability if in fact the work certified is not in the public domain. Dedicator makes this dedication for the benefit of the public at large and to the detriment of the Dedicator's heirs and successors. Dedicator</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>intends this dedication to be an overt act of relinquishment in perpetuity of all present and future rights under copyright law, whether vested or contingent, in the Work. Dedicator understands that such relinquishment of all rights includes the relinquishment of all rights to enforce (by lawsuit or otherwise) those copyrights in the Work.</p> <p>Dedicator recognizes that, once placed in the public domain, the Work may be freely reproduced, distributed, transmitted, used, modified, built upon, or otherwise exploited by anyone for any purpose, commercial or non-commercial, and in any way, including by methods that have not yet been invented or conceived.</p> <p>---</p> <p>This product contains a modified portion of 'Webbit', an event based WebSocket and HTTP server, which can be obtained at: LICENSE: license/LICENSE.webbit.txt (BSD License) HOMEPAGE:https://github.com/joewalnes/webbit</p> <p>Copyright (c) 2011, Joe Walnes, Aslak Hellesey and contributors All rights reserved.</p> <p>Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <ul style="list-style-type: none"> * 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 Webbit nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. <p>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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>This product contains a modified portion of 'SLF4J', a simple logging facade for Java, which can be obtained at: LICENSE: license/LICENSE.slf4j.txt (MIT License) HOMEPAGE: http://www.slf4j.org/ Copyright (c) 2004-2007 QOS.ch All rights reserved.</p> <p>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:</p> <ul style="list-style-type: none"> * 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. <p>---</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>This product contains a modified portion of 'Apache Harmony', an open source Java SE, which can be obtained at: NOTICE: license/NOTICE.harmony.txt Copyright 2006, 2010 The Apache Software Foundation. HOMEPAGE: http://archive.apache.org/dist/harmony/ ---</p> <p>This product contains a modified portion of 'jzip2', a Java bzip2 compression and decompression library written by Matthew J. Francis. It can be obtained at: LICENSE: license/LICENSE.jzip2.txt (MIT License) HOMEPAGE: https://code.google.com/p/jzip2/ Copyright (c) 2010-2011 Matthew J. Francis and Contributors of the jzip2 Project 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. ---</p> <p>This product contains a modified portion of 'libdivsufsort', a C API library to construct the suffix array and the Burrows-Wheeler</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>transformed string for any input string of a constant-size alphabet written by Yuta Mori. It can be obtained at: LICENSE: license/LICENSE.libdivsufsort.txt (MIT License) HOMEPAGE: https://github.com/y-256/libdivsufsort Copyright (c) 2003-2008 Yuta Mori 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.</p> <p>----- This product contains a modified portion of Nitsan Wakart's 'JCTools', Java Concurrency Tools for the JVM, which can be obtained at: * LICENSE: * license/LICENSE.jctools.txt (ASL2 License) * HOMEPAGE: * https://github.com/JCTools/JCTools</p> <p>----- This product optionally depends on 'JZlib', a re-implementation of zlib in</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>pure Java, which can be obtained at: * LICENSE: * license/LICENSE.jzlib.txt (BSD style License) Copyright (c) 2000,2001,2002,2003,2004 ymnk, JCraft,Inc. All rights reserved. BSD License- See Appendix N HOMEPAGE: * http://www.jcraft.com/jzlib/</p> <p>-----</p> <p>This product optionally depends on 'Compress-LZF', a Java library for encoding and decoding data in LZF format, written by Tatu Saloranta. It can be obtained at: * LICENSE: * license/LICENSE.compress-lzf.txt (Apache License 2.0) Copyright 2009-2010 Ning, 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. * HOMEPAGE: * https://github.com/ning/compress</p> <p>-----</p> <p>This product optionally depends on 'lz4', a LZ4 Java compression and decompression library written by Adrien Grand. It can be obtained at: * LICENSE: * license/LICENSE.lz4.txt (Apache License 2.0) * HOMEPAGE:</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>* https://github.com/jpountz/lz4-java</p> <p>-----</p> <p>This product optionally depends on 'lzma-java', a LZMA Java compression and decompression library, which can be obtained at:</p> <p>* LICENSE:</p> <p>* license/LICENSE.lzma-java.txt (Apache License 2.0)</p> <p>* HOMEPAGE:</p> <p>* https://github.com/jponge/lzma-java</p> <p>Copyright (c) 2010-2011 Julien Ponge. All rights reserved.</p> <p>Copyright (c) 2011 Tamas Cservenak. All rights reserved.</p> <p>Copyright (c) 2009 Julien Ponge. All rights reserved.</p> <p>-----</p> <p>This product contains a modified portion of 'jfastlz', a Java port of FastLZ compression and decompression library written by William Kinney. It can be obtained at:</p> <p>* LICENSE:</p> <p>* license/LICENSE.jfastlz.txt (MIT License)</p> <p>The MIT License</p> <p>Copyright (c) 2009 William Kinney</p> <p>MIT - See Appendix G</p> <p>* HOMEPAGE:</p> <p>* https://code.google.com/p/jfastlz/</p> <p>-----</p> <p>This product contains a modified portion of and optionally depends on 'Protocol Buffers', Google's data interchange format, which can be obtained at:</p> <p>* LICENSE:</p> <p>* license/LICENSE.protobuf.txt (New BSD License)</p> <p>Protocol Buffers - Google's data interchange format</p> <p>Copyright 2013 Google Inc. All rights reserved.</p> <p>https://developers.google.com/protocol-buffers/</p> <p>BSD License- See Appendix N</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>* HOMEPAGE: * https://github.com/google/protobuf</p> <p>-----</p> <p>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:</p> <p>* LICENSE: * license/LICENSE.bouncycastle.txt (MIT License) The MIT License (MIT) Copyright (c) 2000 - 2013 The Legion of the Bouncy Castle Inc. (http://www.bouncycastle.org) MIT - See Appendix G</p> <p>* HOMEPAGE: * http://www.bouncycastle.org/</p> <p>-----</p> <p>This product optionally depends on 'Snappy', a compression library produced by Google Inc, which can be obtained at:</p> <p>* LICENSE: * license/LICENSE.snappy.txt (New BSD License) Copyright 2011, Google Inc. All rights reserved. BSD License- See Appendix N</p> <p>* HOMEPAGE: * https://github.com/google/snappy</p> <p>-----</p> <p>This product optionally depends on 'JBoss Marshalling', an alternative Java serialization API, which can be obtained at:</p> <p>* LICENSE: * license/LICENSE.jboss-marshalling.txt (Apache License 2.0) * HOMEPAGE: * https://github.com/jboss-remoting/jboss-marshalling Copyright 2014, Red Hat, Inc., and individual contributors Copyright 2016 Red Hat, Inc., and individual contributors</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Copyright 2018 Red Hat, Inc., and individual contributors</p> <p>-----</p> <p>This product optionally depends on 'Caliper', Google's micro-benchmarking framework, which can be obtained at:</p> <p>* LICENSE: * license/LICENSE.caliper.txt (Apache License 2.0)</p> <p>* HOMEPAGE: * https://github.com/google/caliper</p> <p>Copyright (C) 2011 Google Inc. Copyright (C) 2012 Google Inc. Copyright (C) 2013 Google Inc. Copyright (C) 2014 Google Inc. Copyright (C) 2015 Google Inc. Copyright (C) 2016 Google Inc. Copyright (C) 2017 Google Inc. Copyright (C) 2018 Google Inc.</p> <p>-----</p> <p>This product optionally depends on 'Apache Commons Logging', a logging framework, which can be obtained at:</p> <p>* LICENSE: * license/LICENSE.commons-logging.txt (Apache License 2.0)</p> <p>* HOMEPAGE: * http://commons.apache.org/logging/ Apache Commons Logging Copyright 2003-2014 The Apache Software Foundation</p> <p>This product includes software developed at The Apache Software Foundation (http://www.apache.org/).</p> <p>-----</p> <p>This product optionally depends on 'Apache Log4J', a logging framework, which can be obtained at:</p> <p>* LICENSE: * license/LICENSE.log4j.txt (Apache License 2.0)</p> <p>* HOMEPAGE:</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>* http://logging.apache.org/log4j/ Apache 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</p> <p>-----</p> <p>This product optionally depends on 'Aalto XML', an ultra-high performance non-blocking XML processor, which can be obtained at: * LICENSE: * license/LICENSE.aalto-xml.txt (Apache License 2.0) * HOMEPAGE: * http://wiki.fasterxml.com/AaltoHome Copyright (c) 2006- Tatu Saloranta, tatu.saloranta@iki.fi Copyright 2012 FasterXML.com</p> <p>-----</p> <p>This product contains a modified version of 'HPACK', a Java implementation of the HTTP/2 HPACK algorithm written by Twitter. It can be obtained at: * LICENSE: * license/LICENSE.hpack.txt (Apache License 2.0) * HOMEPAGE: * https://github.com/twitter/hpack Copyright 2013 Twitter, Inc. Copyright 2014 Twitter, Inc. Copyright 2015 Twitter, Inc.</p> <p>-----</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>This product contains a modified version of 'HPACK', a Java implementation of the HTTP/2 HPACK algorithm written by Cory Benfield. It can be obtained at:</p> <p>* LICENSE: * license/LICENSE.hyper-hpack.txt (MIT License) The MIT License (MIT) Copyright (c) 2014 Cory Benfield MIT - See Appendix G</p> <p>* HOMEPAGE: * https://github.com/python-hyper/hpack/</p> <p>-----</p> <p>This product contains a modified version of 'HPACK', a Java implementation of the HTTP/2 HPACK algorithm written by Tatsuhiro Tsujikawa. It can be obtained at:</p> <p>* LICENSE: * license/LICENSE.nghttp2-hpack.txt (MIT License) The MIT License Copyright (c) 2012, 2014, 2015, 2016 Tatsuhiro Tsujikawa Copyright (c) 2012, 2014, 2015, 2016 nghttp2 contributorsMIT - See Appendix G</p> <p>* HOMEPAGE: * https://github.com/nghttp2/nghttp2/</p> <p>-----</p> <p>This product contains a modified portion of 'Apache Commons Lang', a Java library provides utilities for the java.lang API, which can be obtained at:</p> <p>* LICENSE: * license/LICENSE.commons-lang.txt (Apache License 2.0) * HOMEPAGE: * https://commons.apache.org/proper/commons-lang/ Apache Commons Lang Copyright 2001-2018 The Apache Software Foundation This product includes software developed at The Apache Software Foundation (http://www.apache.org/).</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>-----</p> <p>This product contains the Maven wrapper scripts from 'Maven Wrapper', that provides an easy way to ensure a user has everything necessary to run the Maven build.</p> <p>* LICENSE: * license/LICENSE.mvn-wrapper.txt (Apache License 2.0)</p> <p>* HOMEPAGE: * https://github.com/takari/maven-wrapper</p> <p>Copyright 2007-present the original author or authors.</p> <p>-----</p> <p>This product contains the dnsinfo.h header file, that provides a way to retrieve the system DNS configuration on MacOS.</p> <p>This private header is also used by Apple's open source mDNSResponder (https://opensource.apple.com/tarballs/mDNSResponder/).</p> <p>* LICENSE: * license/LICENSE.dnsinfo.txt (Apache License 2.0)</p> <p>* HOMEPAGE: * http://www.opensource.apple.com/source/configd/configd-453.19/dnsinfo/dnsinfo.h</p> <p>LICENSE TEXT :</p> <p>Copyright (c) 2004-2006, 2008, 2009, 2011 Apple Inc. All rights reserved.</p> <p>@APPLE_LICENSE_HEADER_START@</p> <p>This file contains Original Code and/or Modifications of Original Code as defined in and that are subject to the Apple Public Source License Version 2.0 (the 'License'). You may not use this file except in compliance with the License. Please obtain a copy of the License at http://www.opensource.apple.com/apsl/ and read it before using this file.</p> <p>The Original Code and all software distributed under the License are distributed on an 'AS IS' basis, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, AND APPLE HEREBY DISCLAIMS ALL SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, QUIET ENJOYMENT OR NON-INFRINGEMENT.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Please see the License for the specific language governing rights and limitations under the License.</p> <p>@APPLE_LICENSE_HEADER_END@</p> <p>APPLE PUBLIC SOURCE LICENSE Version 2.0 - August 6, 2003</p> <p>Please read this License carefully before downloading this software.</p> <p>By downloading or using this software, you are agreeing to be bound by the terms of this License. If you do not or cannot agree to the terms of this License, please do not download or use the software.</p> <p>Apple Note: In January 2007, Apple changed its corporate name from "Apple Computer, Inc." to "Apple Inc." This change has been reflected below and copyright years updated, but no other changes have been made to the APSL 2.0.</p> <p>1. General; Definitions. This License applies to any program or other work which Apple Inc. ("Apple") makes publicly available and which contains a notice placed by Apple identifying such program or work as "Original Code" and stating that it is subject to the terms of this Apple Public Source License version 2.0 ("License").</p> <p>As used in this License:</p> <p>1.1 "Applicable Patent Rights" mean: (a) in the case where Apple is the grantor of rights, (i) claims of patents that are now or hereafter acquired, owned by or assigned to Apple and (ii) that cover subject matter contained in the Original Code, but only to the extent necessary to use, reproduce and/or distribute the Original Code without infringement; and (b) in the case where You are the grantor of rights, (i) claims of patents that are now or hereafter acquired, owned by or assigned to You and (ii) that cover subject</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>matter in Your Modifications, taken alone or in combination with Original Code.</p> <p>1.2 "Contributor" means any person or entity that creates or contributes to the creation of Modifications.</p> <p>1.3 "Covered Code" means the Original Code, Modifications, the combination of Original Code and any Modifications, and/or any respective portions thereof.</p> <p>1.4 "Externally Deploy" means: (a) to sublicense, distribute or otherwise make Covered Code available, directly or indirectly, to anyone other than You; and/or (b) to use Covered Code, alone or as part of a Larger Work, in any way to provide a service, including but not limited to delivery of content, through electronic communication with a client other than You.</p> <p>1.5 "Larger Work" means a work which combines Covered Code or portions thereof with code not governed by the terms of this License.</p> <p>1.6 "Modifications" mean any addition to, deletion from, and/or change to, the substance and/or structure of the Original Code, any previous Modifications, the combination of Original Code and any previous Modifications, and/or any respective portions thereof.</p> <p>When code is released as a series of files, a Modification is: (a) any addition to or deletion from the contents of a file containing Covered Code; and/or (b) any new file or other representation of computer program statements that contains any part of Covered Code.</p> <p>1.7 "Original Code" means (a) the Source Code of a program or other work as originally made available by Apple under this License, including the Source Code of any updates or upgrades to such programs</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>or works made available by Apple under this License, and that has been expressly identified by Apple as such in the header file(s) of such work; and (b) the object code compiled from such Source Code and originally made available by Apple under this License</p> <p>1.8 "Source Code" means the human readable form of a program or other work that is suitable for making modifications to it, including all modules it contains, plus any associated interface definition files, scripts used to control compilation and installation of an executable (object code).</p> <p>1.9 "You" or "Your" means an individual or a legal entity exercising rights under this License. For legal entities, "You" or "Your" includes any entity which controls, is controlled by, or is under common control with, You, where "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 fifty percent (50%) or more of the outstanding shares or beneficial ownership of such entity.</p> <p>2. Permitted Uses; Conditions & Restrictions. Subject to the terms and conditions of this License, Apple hereby grants You, effective on the date You accept this License and download the Original Code, a world-wide, royalty-free, non-exclusive license, to the extent of Apple's Applicable Patent Rights and copyrights covering the Original Code, to do the following:</p> <p>2.1 Unmodified Code. You may use, reproduce, display, perform, internally distribute within Your organization, and Externally</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Deploy verbatim, unmodified copies of the Original Code, for commercial or non-commercial purposes, provided that in each instance:</p> <p>(a) You must retain and reproduce in all copies of Original Code the copyright and other proprietary notices and disclaimers of Apple as they appear in the Original Code, and keep intact all notices in the Original Code that refer to this License; and</p> <p>(b) You must include a copy of this License with every copy of Source Code of Covered Code and documentation You distribute or Externally Deploy, and You may not offer or impose any terms on such Source Code that alter or restrict this License or the recipients' rights hereunder, except as permitted under Section 6.</p> <p>2.2 Modified Code. You may modify Covered Code and use, reproduce, display, perform, internally distribute within Your organization, and Externally Deploy Your Modifications and Covered Code, for commercial or non-commercial purposes, provided that in each instance You also meet all of these conditions:</p> <p>(a) You must satisfy all the conditions of Section 2.1 with respect to the Source Code of the Covered Code;</p> <p>(b) You must duplicate, to the extent it does not already exist, the notice in Exhibit A in each file of the Source Code of all Your Modifications, and cause the modified files to carry prominent notices stating that You changed the files and the date of any change; and</p> <p>(c) If You Externally Deploy Your Modifications, You must make Source Code of all Your Externally Deployed Modifications either</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>available to those to whom You have Externally Deployed Your Modifications, or publicly available. Source Code of Your Externally Deployed Modifications must be released under the terms set forth in this License, including the license grants set forth in Section 3 below, for as long as you Externally Deploy the Covered Code or twelve (12) months from the date of initial External Deployment, whichever is longer. You should preferably distribute the Source Code of Your Externally Deployed Modifications electronically (e.g. download from a web site).</p> <p>2.3 Distribution of Executable Versions. In addition, if You Externally Deploy Covered Code (Original Code and/or Modifications) in object code, executable form only, You must include a prominent notice, in the code itself as well as in related documentation, stating that Source Code of the Covered Code is available under the terms of this License with information on how and where to obtain such Source Code.</p> <p>2.4 Third Party Rights. You expressly acknowledge and agree that although Apple and each Contributor grants the licenses to their respective portions of the Covered Code set forth herein, no assurances are provided by Apple or any Contributor that the Covered Code does not infringe the patent or other intellectual property rights of any other entity. Apple and each Contributor disclaim any liability to You 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,</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>You hereby assume sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow You to distribute the Covered Code, it is Your responsibility to acquire that license before distributing the Covered Code.</p> <p>3. Your Grants. In consideration of, and as a condition to, the licenses granted to You under this License, You hereby grant to any person or entity receiving or distributing Covered Code under this License a non-exclusive, royalty-free, perpetual, irrevocable license, under Your Applicable Patent Rights and other intellectual property rights (other than patent) owned or controlled by You, to use, reproduce, display, perform, modify, sublicense, distribute and Externally Deploy Your Modifications of the same scope and extent as Apple's licenses under Sections 2.1 and 2.2 above.</p> <p>4. Larger Works. You may create a Larger Work by combining Covered Code with other code not governed by the terms of this License and distribute the Larger Work as a single product. In each such instance, You must make sure the requirements of this License are fulfilled for the Covered Code or any portion thereof.</p> <p>5. Limitations on Patent License. Except as expressly stated in Section 2, no other patent rights, express or implied, are granted by Apple herein. Modifications and/or Larger Works may require additional patent licenses from Apple which Apple may grant in its sole discretion.</p> <p>6. Additional Terms. You may choose to offer, and to charge a</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>fee for, warranty, support, indemnity or liability obligations</p> <p>and/or other rights consistent with the scope of the license granted herein ("Additional Terms") to one or more recipients of Covered Code. However, You may do so only on Your own behalf and as Your sole responsibility, and not on behalf of Apple or any Contributor.</p> <p>You must obtain the recipient's agreement that any such Additional Terms are offered by You alone, and You hereby agree to indemnify, defend and hold Apple and every Contributor harmless for any liability incurred by or claims asserted against Apple or such Contributor by reason of any such Additional Terms.</p> <p>7. Versions of the License. Apple may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Once Original Code has been published under a particular version of this License, You may continue to use it under the terms of that version. You may also choose to use such Original Code under the terms of any subsequent version of this License published by Apple. No one other than Apple has the right to modify the terms applicable to Covered Code created under this License.</p> <p>8. NO WARRANTY OR SUPPORT. The Covered Code may contain in whole or in part pre-release, untested, or not fully tested works. The Covered Code may contain errors that could cause failures or loss of data, and may be incomplete or contain inaccuracies. You expressly acknowledge and agree that use of the Covered Code, or any portion thereof, is at Your sole and entire risk. THE COVERED CODE IS</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>PROVIDED "AS IS" AND WITHOUT WARRANTY, UPGRADES OR SUPPORT OF ANY</p> <p>KIND AND APPLE AND APPLE'S LICENSOR(S) (COLLECTIVELY REFERRED TO</p> <p>AS "APPLE" FOR THE PURPOSES OF SECTIONS 8 AND 9) AND ALL CONTRIBUTORS</p> <p>EXPRESSLY DISCLAIM ALL WARRANTIES AND/OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES AND/OR CONDITIONS OF MERCHANTABILITY, OF SATISFACTORY QUALITY, OF</p> <p>FITNESS FOR A PARTICULAR PURPOSE, OF ACCURACY, OF QUIET ENJOYMENT, AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. APPLE AND EACH CONTRIBUTOR</p> <p>DOES NOT WARRANT AGAINST INTERFERENCE WITH YOUR ENJOYMENT OF THE</p> <p>COVERED CODE, THAT THE FUNCTIONS CONTAINED IN THE COVERED CODE WILL MEET YOUR REQUIREMENTS, THAT THE OPERATION OF THE COVERED CODE WILL</p> <p>BE UNINTERRUPTED OR ERROR-FREE, OR THAT DEFECTS IN THE COVERED CODE</p> <p>WILL BE CORRECTED. NO ORAL OR WRITTEN INFORMATION OR ADVICE GIVEN</p> <p>BY APPLE, AN APPLE AUTHORIZED REPRESENTATIVE OR ANY CONTRIBUTOR</p> <p>SHALL CREATE A WARRANTY. You acknowledge that the Covered Code is not intended for use in the operation of nuclear facilities, aircraft navigation, communication systems, or air traffic control machines</p> <p>in which case the failure of the Covered Code could lead to death, personal injury, or severe physical or environmental damage.</p> <p>9. LIMITATION OF LIABILITY. TO THE EXTENT NOT PROHIBITED BY LAW,</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>IN NO EVENT SHALL APPLE OR ANY CONTRIBUTOR BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR RELATING TO THIS LICENSE OR YOUR USE OR INABILITY TO USE THE COVERED CODE, OR ANY PORTION THEREOF, WHETHER UNDER A THEORY OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE), PRODUCTS LIABILITY OR OTHERWISE, EVEN IF APPLE OR SUCH CONTRIBUTOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES AND NOTWITHSTANDING THE FAILURE OF ESSENTIAL PURPOSE OF ANY REMEDY. SOME JURISDICTIONS DO NOT ALLOW THE LIMITATION OF LIABILITY OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS LIMITATION MAY NOT APPLY TO YOU. In no event shall Apple's total liability to You for all damages (other than as may be required by applicable law) under this License exceed the amount of fifty dollars (\$50.00).</p> <p>10. Trademarks. This License does not grant any rights to use the trademarks or trade names "Apple", "Mac", "Mac OS", "QuickTime", "QuickTime Streaming Server" or any other trademarks, service marks, logos or trade names belonging to Apple (collectively "Apple Marks") or to any trademark, service mark, logo or trade name belonging to any Contributor. You agree not to use any Apple Marks in or as part of the name of products derived from the Original Code or to endorse or promote products derived from the Original Code other than as expressly permitted by and in strict compliance at all times with Apple's third party trademark usage guidelines which are posted</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>at http://www.apple.com/legal/guidelinesfor3rdparties.html.</p> <p>11. Ownership. Subject to the licenses granted under this License, each Contributor retains all rights, title and interest in and to any Modifications made by such Contributor. Apple retains all rights, title and interest in and to the Original Code and any Modifications made by or on behalf of Apple ("Apple Modifications"), and such Apple Modifications will not be automatically subject to this License. Apple may, at its sole discretion, choose to license such Apple Modifications under this License, or on different terms from those contained in this License or may choose not to license them at all.</p> <p>12. Termination.</p> <p>12.1 Termination. This License and the rights granted hereunder will terminate:</p> <p>(a) automatically without notice from Apple if You fail to comply with any term(s) of this License and fail to cure such breach within 30 days of becoming aware of such breach;</p> <p>(b) immediately in the event of the circumstances described in Section 13.5(b); or (c) automatically without notice from Apple if You, at any time during the term of this License, commence an action for patent infringement against Apple; provided that Apple did not first commence an action for patent infringement against You in that instance.</p> <p>12.2 Effect of Termination. Upon termination, You agree to immediately stop any further use, reproduction, modification, sublicensing and distribution of the Covered Code. All sublicenses</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>to the Covered Code which have been properly granted prior to termination shall survive any termination of this License. Provisions which, by their nature, should remain in effect beyond the termination of this License shall survive, including but not limited to Sections 3, 5, 8, 9, 10, 11, 12.2 and 13. No party will be liable to any other for compensation, indemnity or damages of any sort solely as a result of terminating this License in accordance with its terms, and termination of this License will be without prejudice to any other right or remedy of any party.</p> <p>13. Miscellaneous.</p> <p>13.1 Government End Users. The Covered Code is a "commercial item" as defined in FAR 2.101. Government software and technical data rights in the Covered Code include only those rights customarily provided to the public as defined in this License. This customary commercial license in technical data and software is provided in accordance with FAR 12.211 (Technical Data) and 12.212 (Computer Software) and, for Department of Defense purchases, DFAR 252.227-7015 (Technical Data -- Commercial Items) and 227.7202-3 (Rights in Commercial Computer Software or Computer Software Documentation). Accordingly, all U.S. Government End Users acquire Covered Code with only those rights set forth herein.</p> <p>13.2 Relationship of Parties. This License will not be construed as creating an agency, partnership, joint venture or any other form of legal association between or among You, Apple or any Contributor, and You will not represent to the contrary, whether expressly, by implication, appearance or otherwise.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>13.3 Independent Development. Nothing in this License will impair Apple's right to acquire, license, develop, have others develop for it, market and/or distribute technology or products that perform the same or similar functions as, or otherwise compete with, Modifications, Larger Works, technology or products that You may develop, produce, market or distribute.</p> <p>13.4 Waiver; Construction. Failure by Apple or any Contributor to enforce any provision of this License will not be deemed a waiver of future enforcement of that or any other provision. Any law or regulation which provides that the language of a contract shall be construed against the drafter will not apply to this License.</p> <p>13.5 Severability. (a) If for any reason a court of competent jurisdiction finds any provision of this License, or portion thereof, to be unenforceable, that provision of the License will be enforced to the maximum extent permissible so as to effect the economic benefits and intent of the parties, and the remainder of this License will continue in full force and effect. (b) Notwithstanding the foregoing, if applicable law prohibits or restricts You from fully and/or specifically complying with Sections 2 and/or 3 or prevents the enforceability of either of those Sections, this License will immediately terminate and You must immediately discontinue any use of the Covered Code and destroy all copies of it that are in your possession or control.</p> <p>13.6 Dispute Resolution. Any litigation or other dispute resolution between You and Apple relating to this License shall</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>take place in the Northern District of California, and You and Apple hereby consent to the personal jurisdiction of, and venue in, the state and federal courts within that District with respect to this License. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded.</p> <p>13.7 Entire Agreement; Governing Law. This License constitutes the entire agreement between the parties with respect to the subject matter hereof. This License shall be governed by the laws of the United States and the State of California, except that body of California law concerning conflicts of law. Where You are located in the province of Quebec, Canada, the following clause applies: The parties hereby confirm that they have requested that this License and all related documents be drafted in English.</p> <p>Les parties ont exigé que le présent contrat et tous les documents connexes soient rédigés en anglais.</p> <p>EXHIBIT A.</p> <p>"Portions Copyright (c) 1999-2007 Apple Inc. All Rights Reserved.</p> <p>This file contains Original Code and/or Modifications of Original Code as defined in and that are subject to the Apple Public Source License Version 2.0 (the 'License'). You may not use this file except in compliance with the License. Please obtain a copy of the License at http://www.opensource.apple.com/apsl/ and read it before using this file.</p> <p>The Original Code and all software distributed under the License are distributed on an 'AS IS' basis, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, AND APPLE HEREBY DISCLAIMS ALL SUCH</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>WARRANTIES, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, QUIET ENJOYMENT OR NON-INFRINGEMENT. Please see the License for the specific language governing rights and limitations under the License."</p> <p>----- seperator</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #1 io.netty:netty-codec-http:4.1.46.Final</p> <p>FOURTH-PARTY DEPENDENCY #2 io.netty:netty-common:4.1.46.Final</p> <p>FOURTH-PARTY DEPENDENCY #3 io.netty:netty-buffer:4.1.46.Final</p> <p>FOURTH-PARTY DEPENDENCY #4 io.netty:netty-transport:4.1.46.Final</p> <p>FOURTH-PARTY DEPENDENCY #5 io.netty:netty-resolver:4.1.46.Final</p> <p>FOURTH-PARTY DEPENDENCY #6 io.netty:netty-codec:4.1.46.Final</p> <p>FOURTH-PARTY DEPENDENCY #7 io.netty:netty-handler:4.1.46.Final</p> <p>FOURTH-PARTY DEPENDENCY #8 io.netty:netty-codec-http2:4.1.46.Final</p> <p>FOURTH-PARTY DEPENDENCY #9 io.netty:netty-handler-proxy:4.1.46.Final</p> <p>FOURTH-PARTY DEPENDENCY #10 io.netty:netty-codec-socks:4.1.46.Final</p> <p>FOURTH-PARTY DEPENDENCY #11 io.netty:netty-transport-native-epoll: 4.1.46.Final</p> <p>FOURTH-PARTY DEPENDENCY #12 io.netty:netty-transport-native-unix-common: 4.1.46.Final</p> <p>FOURTH-PARTY DEPENDENCY #13 io.projectreactor:reactor-core:3.3.2.RELEASE</p> <p>COMMON NOTICE and COMMON LICENSE TEXT:</p> <p>The Netty Project Copyright 2012,2019 The Netty Project Copyright 2011,2018 The Netty Project Copyright 2014,2017 The Netty Project Copyright 2012,2017 The Netty Project Copyright 2012,2016 The Netty Project</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Copyright 2014 Twitter, Inc. Copyright (c) 2011, Joe Walnes and contributors Copyright (c) 2008-2009 Bjoern Hoehrmann <bjoern@hoehrmann.de> Copyright (c) 2004-2011 QOS.ch The Netty Project ===== Please visit the Netty web site for more information: * https://netty.io/ Copyright 2014 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 APACHE 2.0 - See Appendix E</p>
opentracing-contrib	opentracing-spring-jaeger-cloud-starter 2.0.3	<p>Copyright 2018-2019 The OpenTracing Authors APACHE 2.0 - See Appendix E 4th -party dependencies: opentracing-web-servlet-filter v0.1.0 APACHE 2.0 - See Appendix E Copyright 2016-2018 The OpenTracing Authors spring-boot-starter-aop 2.1.2.RELEASE Copyright 2012-2013 the original author or authors. Licensed under the Apache License, Version 2.0 (the "License") opentracing-spring-cloud-starter 0.2.2 Copyright 2017-2018 The OpenTracing Authors Licensed under the Apache License, Version 2.0 (the "License") opentracing-spring-jaeger-starter 1.0.2 Copyright 2017-2018 The OpenTracing Authors Licensed under the Apache License, Version 2.0 (the "License")</p>
opentracing-contrib	OpenTracing Spring Jaeger Starter 0.1.4	<p>APACHE 2.0 - See Appendix E 4th -party dependencies: jaeger-core v0.27.0 opentracing-api v0.31.0 opentracing-spring-tracer-configuration-starter v0.1.0 spring-boot-autoconfigure (optional) v1.5.12.RELEASE spring-boot-configuration-processor (optional) v1.5.12.RELEASE All are licensed under Apache 2.0. APACHE 2.0 - See Appendix E</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Opentracing.io	OpenTracing Spring Jaeger Web Starter 2.0.3	<p>Copyright 2018-2019 The OpenTracing Authors APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #1 com.squareup.okio:okio:1.13.0 FOURTH-PARTY DEPENDENCY #1 COPYRIGHT NOTICES Copyright (C) 2017 Square, Inc. APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #2 io.jaegertracing:jaeger-client:0.35.1 FOURTH-PARTY DEPENDENCY #2 COPYRIGHT NOTICES Copyright (c) 2018, The Jaeger Authors APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #3 io.jaegertracing:jaeger-core:0.35.1 FOURTH-PARTY DEPENDENCY #4 io.jaegertracing:jaeger-thrift:0.35.1 FOURTH-PARTY DEPENDENCY #5 io.jaegertracing:jaeger-tracerresolver:0.35.1 COMMON COPYRIGHT NOTICES Copyright (c) 2017, Uber Technologies, Inc Copyright (c) 2018, The Jaeger Authors APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #6 io.opentracing.contrib:opentracing-spring-jaeger-starter:2.0.3 FOURTH-PARTY DEPENDENCY #7 io.opentracing.contrib:opentracing-spring-tracer-configuration-starter:0.2.0 COMMON COPYRIGHT NOTICES Copyright 2018-2019 The OpenTracing Authors APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #8 io.opentracing.contrib:opentracing-spring-web:2.1.0 FOURTH-PARTY DEPENDENCY #9 io.opentracing.contrib:opentracing-spring-web-starter:2.1.0 COMMON COPYRIGHT NOTICES</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Copyright 2016-2019 The OpenTracing Authors APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #10 io.opentracing.contrib:opentracing-tracerresolver:0.1.6 FOURTH-PARTY DEPENDENCY #10 COPYRIGHT NOTICES Copyright 2017-2019 The OpenTracing Authors APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #11 io.opentracing.contrib:opentracing-web-servlet-filter:0.3.0 FOURTH-PARTY DEPENDENCY #11 COPYRIGHT NOTICES Copyright 2016-2018 The OpenTracing Authors APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #12 io.opentracing:opentracing-api:0.32.0 FOURTH-PARTY DEPENDENCY #13 io.opentracing:opentracing-noop:0.32.0 FOURTH-PARTY DEPENDENCY #14 io.opentracing:opentracing-util:0.32.0 COMMON COPYRIGHT NOTICES Copyright 2016-2019 The OpenTracing Authors APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #15 org.apache.thrift:libthrift:0.12.0 FOURTH-PARTY DEPENDENCY #15 COPYRIGHT NOTICE Apache Thrift Copyright (C) 2006 - 2019, The Apache Software Foundation This product includes software developed at The Apache Software Foundation (http://www.apache.org/).</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #16 org.springframework.boot:spring-boot:2.1.7.RELEASE</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #17 org.springframework.boot:spring-boot-autoconfigure:2.1.7.RELEASE COMMON COPYRIGHT NOTICE Copyright © 2019 Pivotal Software, Inc.. All rights reserved. -----</p> <p>FOURTH-PARTY DEPENDENCY #18 org.springframework:spring-aop:5.1.9.RELEASE FOURTH-PARTY DEPENDENCY #19 org.springframework:spring-beans:5.1.9.RELEASE FOURTH-PARTY DEPENDENCY #20 org.springframework:spring-context:5.1.9.RELEASE FOURTH-PARTY DEPENDENCY #21 org.springframework:spring-core:5.1.9.RELEASE FOURTH-PARTY DEPENDENCY #22 org.springframework:spring-expression:5.1.9.RELEASE FOURTH-PARTY DEPENDENCY #23 org.springframework:spring-jcl:5.1.9.RELEASE COMMON COPYRIGHT NOTICE Copyright 2002-2019 the original author or authors. -----</p> <p>FOURTH-PARTY DEPENDENCY #1 com.squareup.okio:okio:1.13.0 FOURTH-PARTY DEPENDENCY #2 io.jaegertracing:jaeger-client:0.35.1 FOURTH-PARTY DEPENDENCY #3 io.jaegertracing:jaeger-core:0.35.1 FOURTH-PARTY DEPENDENCY #4 io.jaegertracing:jaeger-thrift:0.35.1 FOURTH-PARTY DEPENDENCY #5 io.jaegertracing:jaeger-tracerresolver:0.35.1 FOURTH-PARTY DEPENDENCY #6 io.opentracing.contrib:opentracing-spring-jaeger-starter:2.0.3 FOURTH-PARTY DEPENDENCY #7 io.opentracing.contrib:opentracing-spring-tracer-configuration-starter:0.2.0 FOURTH-PARTY DEPENDENCY #8 io.opentracing.contrib:opentracing-spring-web:2.1.0</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #9 io.opentracing.contrib:opentracing-spring-web-starter:2.1.0</p> <p>FOURTH-PARTY DEPENDENCY #10 io.opentracing.contrib:opentracing-tracerresolver:0.1.6</p> <p>FOURTH-PARTY DEPENDENCY #11 io.opentracing.contrib:opentracing-web-servlet-filter:0.3.0</p> <p>FOURTH-PARTY DEPENDENCY #12 io.opentracing:opentracing-api:0.32.0</p> <p>FOURTH-PARTY DEPENDENCY #13 io.opentracing:opentracing-noop:0.32.0</p> <p>FOURTH-PARTY DEPENDENCY #14 io.opentracing:opentracing-util:0.32.0</p> <p>FOURTH-PARTY DEPENDENCY #15 org.apache.thrift:libthrift:0.12.0</p> <p>FOURTH-PARTY DEPENDENCY #16 org.springframework.boot:spring-boot:2.1.7.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #17 org.springframework.boot:spring-boot-autoconfigure:2.1.7.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #18 org.springframework:spring-aop:5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #19 org.springframework:spring-beans:5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #20 org.springframework:spring-context:5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #21 org.springframework:spring-core:5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #22 org.springframework:spring-expression:5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #23 org.springframework:spring-jcl:5.1.9.RELEASE</p> <p>COMMON LICENSE TEXT APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #24 org.slf4j:slf4j-api:1.7.26</p> <p>FOURTH-PARTY DEPENDENCY #24 COPYRIGHT NOTICES and LICENSE TEXT Copyright (c) 2004-2017 QOS.ch All rights reserved.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		MIT - See Appendix G
opentracing-contrib	OpenTracing Spring Web 0.3.2	APACHE 2.0 - See Appendix E 4 th -party dependency: opentracing-web-servlet-filter v0.1.0 APACHE 2.0 - See Appendix E
opentracing-contrib	OpenTracing Spring Web 1.1.1	APACHE 2.0 - See Appendix E 4 th -party dependency: opentracing-web-servlet-filter v0.1.0 APACHE 2.0 - See Appendix E

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Open Web Application Security Project (OWASP)	OWASP Dependency Check 5.2.4	<p>Copyright (c) 2012-2013 Jeremy Long. All Rights Reserved.</p> <p>The licenses for the software listed below can be found in the META-INF/licenses/[dependency name].</p> <p>This product includes software developed by The Apache Software Foundation (http://www.apache.org/).</p> <p>This product includes software developed by Jquery.com (http://jquery.com/).</p> <p>This product includes software developed by Jonathan Hedley (jsoup.org)</p> <p>This software contains unmodified binary redistributions for H2 database engine (http://www.h2database.com/), which is dual licensed and available under a modified version of the MPL 1.1 (Mozilla Public License) or under the (unmodified) EPL 1.0 (Eclipse Public License).</p> <p>An original copy of the license agreement can be found at: http://www.h2database.com/html/license.html</p> <p>This product includes data from the Common Weakness Enumeration (CWE): http://cwe.mitre.org/</p> <p>This product downloads and utilizes data from the National Vulnerability Database hosted by NIST: http://nvd.nist.gov/download.cfm</p> <p>-----</p> <p>TOP-LEVEL LICENSE TEXT for org.owasp.dependencycheck.gradle.plugin: 5.2.4</p> <p>APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #1 com.esotericsoftware:minlog:1.3</p> <p>FOURTH-PARTY DEPENDENCY #1 LICENSE and COPYRIGHT NOTICES LICENSE: BSD-3-Clause Copyright (c) 2008, Nathan Sweet All rights reserved. BSD License- See Appendix N</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #2 com.github.package-url:packageurl-java:1.1.1</p> <p>FOURTH-PARTY DEPENDENCY #2 LICENSE and COPYRIGHT NOTICES MIT - See Appendix G</p> <p>-----</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #3 com.github.spullara.mustache.java:compiler: 0.8.17</p> <p>FOURTH-PARTY DEPENDENCY #3 COPYRIGHT NOTICES Copyright 2002-2010 the original author or 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 https://www.apache.org/licenses/LICENSE-2.0 Mustache.java factory with a fallback mechanism for locating resources. (Some parts are based on DefaultMustacheFactory code that is Copyright 2010 RightTime, Inc.) @author gw0 [http://gw.tnode.com/] <gw. 2012@tnode.com> -----</p> <p>FOURTH-PARTY DEPENDENCY #4 com.fasterxml.jackson.core:jackson- annotations:2.10.0</p> <p>FOURTH-PARTY DEPENDENCY #4 COPYRIGHT NOTICES Copyright © 2008–2019 FasterXML. All rights reserved. -----</p> <p>FOURTH-PARTY DEPENDENCY #5 com.google.code.findbugs:jsr305:3.0.2</p> <p>FOURTH-PARTY DEPENDENCY #5 COPYRIGHT NOTICES <!-- Copyright 1992-2002 HaL Computer Systems, Inc., O'Reilly & Associates, Inc., ArborText, Inc., Fujitsu Software Corporation, Norman Walsh, Sun Microsystems, Inc., and the Organization for the Advancement of Structured Information Standards (OASIS). \$Id: dbcentx.mod,v 1.1 2005/11/28 21:36:47 daveho Exp \$ Permission to use, copy, modify and distribute the DocBook DTD and its accompanying documentation for any purpose and without fee is hereby granted in perpetuity, provided that the above copyright notice and this paragraph appear in all copies. The copyright holders make no representation about the suitability of the DTD for any purpose. It is</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>provided "as is" without expressed or implied warranty.</p> <p>If you modify the DocBook DTD in any way, except for declaring and referencing additional sets of general entities and declaring additional notations, label your DTD as a variant of DocBook. See the maintenance documentation for more information.</p> <p>Please direct all questions, bug reports, or suggestions for changes to the docbook@lists.oasis-open.org mailing list. For more information, see http://www.oasis-open.org/docbook/.</p> <p>--></p> <p>FindBugs</p> <p>Copyright (C) 2011 University of Maryland</p> <p>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.</p> <p>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.</p> <p>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., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA</p> <p>Copyright (c) 2000-2005 INRIA, France Telecom</p> <p>All rights reserved.</p> <p>Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <ol style="list-style-type: none"> 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

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>this software without specific prior written permission.</p> <p>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.</p> <p>Copyright 2013 Google Inc. All Rights Reserved.</p> <p>Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License.</p> <p>You may obtain a copy of the License at https://www.apache.org/licenses/LICENSE-2.0</p> <p>Copyright (c) 2000, 2007 IBM Corporation and others.</p> <p>All rights reserved. This program and the accompanying material are made available under the terms of the Eclipse Public License v1.0 which accompanies this distribution, and is available at http://www.eclipse.org/legal/epl-v10.html</p> <p>Contributors: IBM Corporation - initial API and implementation</p> <p>Contributions to FindBugs</p> <p>Copyright (C) 2014, Andrey Loskutov</p> <p>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.</p> <p>This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.</p> <p>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., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA</p> <p>Contributions to FindBugs Copyright (C) 2014, Kevin Lubick</p> <p>Contributions to FindBugs Copyright (C) 2009, Tomás Pollak</p> <p>-----separator-----</p> <p>FOURTH-PARTY DEPENDENCY #6 com.google.code.gson:gson:2.8.5</p> <p>FOURTH-PARTY DEPENDENCY #6 COPYRIGHT NOTICES Copyright (C) 2017 Google Inc.</p> <p>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 https://www.apache.org/licenses/LICENSE-2.0</p> <p>Copyright (C) 2018 Gson Authors</p> <p>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 https://www.apache.org/licenses/LICENSE-2.0</p> <p>Copyright (C) 2018 The Gson Authors</p> <p>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 https://www.apache.org/licenses/LICENSE-2.0</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #7 com.google.errorprone:error_prone_annotations:2.3.2</p> <p>FOURTH-PARTY DEPENDENCY #7 COPYRIGHT NOTICES Copyright 2018 The Error Prone Authors.</p> <p>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 https://www.apache.org/licenses/LICENSE-2.0</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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 https://www.apache.org/licenses/LICENSE-2.0 -----</p> <p>FOURTH-PARTY DEPENDENCY #8 com.google.guava:failureaccess:1.0.1 FOURTH-PARTY DEPENDENCY #9 com.google.guava:listenablefuture:9999.0-empty-to-avoid-conflict-with-guava Copyright (C) 2018 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 https://www.apache.org/licenses/LICENSE-2.0 -----</p> <p>FOURTH-PARTY DEPENDENCY #10 com.google.guava:guava:28.1-jre FOURTH-PARTY DEPENDENCY #10 COPYRIGHT TEXT Copyright (C) 2019 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 https://www.apache.org/licenses/LICENSE-2.0 -----</p> <p>FOURTH-PARTY DEPENDENCY #11 com.google.j2objc:j2objc-annotations:1.3 FOURTH-PARTY DEPENDENCY #11 COPYRIGHT NOTICES Copyright (C) 2009-2012, International Business Machines Corporation and others. All Rights Reserved. Copyright (C) 2000-2014, International Business Machines Corporation and others. All Rights Reserved. Android Code Copyright 2005-2008 The Android Open Source Project This product includes software developed as part of The Android Open Source Project (http://source.android.com). Apache Harmony</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Copyright 2006 The Apache Software Foundation</p> <p>This product includes software developed at The Apache Software Foundation (http://www.apache.org/).</p> <p>Portions of Harmony were originally developed by Intel Corporation and are licensed to the Apache Software Foundation under the "Software Grant and Corporate Contribution License Agreement", informally known as the "Intel Harmony CLA".</p> <p>Copyright (c) 1995-2014 International Business Machines Corporation and others All rights reserved.</p> <p>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.</p> <p>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.</p> <p>----- -----</p> <p>Copyright (c) 2002,2003, Stefan Haustein, Oberhausen, Rhld., Germany</p> <p>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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>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.</p> <p>-----</p> <p>-----</p> <p>NOTICE file for the W3C License. Copyright (c) 2000 World Wide Web Consortium, (Massachusetts Institute of Technology, Institut National de Recherche en Informatique et en Automatique, Keio University). All Rights Reserved. This program is distributed under the W3C's Software Intellectual Property License.</p> <p>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 W3C License http://www.w3.org/Consortium/Legal/ for more details.</p> <p>NOTICE file for the fdlibm License. Copyright (C) 1993 by Sun Microsystems, Inc. All rights reserved. Developed at SunSoft, a Sun Microsystems, Inc. business.</p> <p>Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is preserved.</p> <p>Copyright (C) 2003, International Business Machines Corporation and others. All Rights Reserved.</p> <p>(C)Copyright IBM Corp. 1996-2005 - All Rights Reserved</p> <p>The original version of this source code and documentation is copyrighted and owned by IBM, These materials are provided under</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>terms of a License Agreement between IBM and Sun. This technology is protected by multiple US and International patents. This notice and attribution to IBM may not to removed.</p> <p>(C)Copyright IBM Corp. 1996-2009 - All Rights Reserved</p> <p>The original version of this source code and documentation is copyrighted and owned by IBM, These materials are provided under terms of a License Agreement between IBM and Sun. This technology is protected by multiple US and International patents. This notice and attribution to IBM may not to removed.</p> <p>Copyright (C) 2003-2004, International Business Machines Corporation and others. All Rights Reserved.</p> <p>Copyright (C) 2004, International Business Machines Corporation and others. All Rights Reserved.</p> <p>Copyright (C) 2009, International Business Machines Corporation and others. All Rights Reserved.</p> <p>Copyright (C) 2009-2010, International Business Machines Corporation and others. All Rights Reserved.</p> <p>Copyright (C) 2010, International Business Machines Corporation and others. All Rights Reserved.</p> <p>(C) Copyright IBM Corp. 1996-2003 - All Rights Reserved</p> <p>The original version of this source code and documentation is copyrighted and owned by IBM, These materials are provided under terms of a License Agreement between IBM and Sun. This technology is protected by multiple US and International patents. This notice and attribution to IBM may not to removed.</p> <p>This locale data is based on the ICU's Vietnamese locale data (rev. 1.38) found at: http://oss.software.ibm.com/cvs/icu/icu/source/data/locales/vi.txt?rev=1.38</p> <p>(C) Copyright IBM Corp. 1999-2003 - All Rights Reserved</p> <p>The original version of this source code and documentation is copyrighted and owned by IBM, These materials are provided under terms of a License Agreement between IBM and Sun. This technology is protected by multiple US and International patents. This</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>notice and attribution to IBM may not to removed.</p> <p>(C) Copyright Taligent, Inc. 1996 - 1997, All Rights Reserved</p> <p>(C) Copyright IBM Corp. 1996 - 1998, All Rights Reserved</p> <p>The original version of this source code and documentation is copyrighted and owned by Taligent, Inc., a wholly-owned subsidiary of IBM. These materials are provided under terms of a License Agreement between Taligent and Sun. This technology is protected by multiple US and International patents.</p> <p>This notice and attribution to Taligent may not be removed. Taligent is a registered trademark of Taligent, Inc.</p> <p>(C) Copyright Taligent, Inc. 1996 , All Rights Reserved</p> <p>(C) Copyright IBM Corp. 1996 - 1998, All Rights Reserved</p> <p>The original version of this source code and documentation is copyrighted and owned by Taligent, Inc., a wholly-owned subsidiary of IBM. These materials are provided under terms of a License Agreement between Taligent and Sun. This technology is protected by multiple US and International patents.</p> <p>This notice and attribution to Taligent may not be removed. Taligent is a registered trademark of Taligent, Inc.</p> <p>(C) Copyright Taligent, Inc. 1996, 1997 - , All Rights Reserved</p> <p>(C) Copyright IBM Corp. 1996 - 1998, All Rights Reserved</p> <p>The original version of this source code and documentation is copyrighted and owned by Taligent, Inc., a wholly-owned subsidiary of IBM. These materials are provided under terms of a License Agreement between Taligent and Sun. This technology is protected by multiple US and International patents.</p> <p>This notice and attribution to Taligent may not be removed. Taligent is a registered trademark of Taligent, Inc.</p> <p>(C) Copyright Taligent, Inc. 1996, 1997 - , All Rights Reserved</p> <p>(C) Copyright IBM Corp. 1996 - 1999, All Rights Reserved</p> <p>The original version of this source code and documentation is copyrighted and owned by Taligent, Inc., a wholly-owned subsidiary of IBM. These materials are provided under</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>terms of a License Agreement between Taligent and Sun. This technology is protected by multiple US and International patents. This notice and attribution to Taligent may not be removed. Taligent is a registered trademark of Taligent, Inc.</p> <p>(C) Copyright Taligent, Inc. 1996, 1997 - , All Rights Reserved</p> <p>(C) Copyright IBM Corp. 1996 - 2002, All Rights Reserved</p> <p>The original version of this source code and documentation is copyrighted and owned by Taligent, Inc., a wholly-owned subsidiary of IBM. These materials are provided under terms of a License Agreement between Taligent and Sun. This technology is protected by multiple US and International patents. This notice and attribution to Taligent may not be removed. Taligent is a registered trademark of Taligent, Inc.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #12 com.h3xstream.retirejs:retirejs-core:3.0.1</p> <p>FOURTH-PARTY DEPENDENCY #12 COPYRIGHT NOTICES</p> <p>Copyright © 2018. All rights reserved.</p> <p>FOURTH-PARTY DEPENDENCY #12 LICESNE NOTICES</p> <p>GNU LESSER GENERAL PUBLIC LICENSE Version 3, 29 June 2007</p> <p>Copyright © 2007 Free Software Foundation, Inc. <https://fsf.org/></p> <p>See Appendix W</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #13 com.h2database:h2:1.4.199</p> <p>FOURTH-PARTY DEPENDENCY #13 Copyright NOTICE</p> <p>Copyright 2004-2019 H2 Group. Multiple-Licensed under the MPL 2.0, and the EPL 1.0 (http://h2database.com/html/license.html).</p> <p>Initial Developer: H2 Group</p> <p>FOURTH-PARTY DEPENDENCY #13 LICENSE NOTICE</p> <p>Mozilla Public License Version 2.0 - See Appendix S</p> <p>Eclipse Public License - v 1.0 - See Appendix J</p> <p>-----</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #14 com.moandjiezana.toml:toml4j:0.7.2</p> <p>FOURTH-PARTY DEPENDENCY #14 Copyright and license NOTICE The MIT License (MIT) Copyright (c) 2013-2015 Moandji Ezana MIT - See Appendix G</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #15 commons-collections:commons-collections: 3.2.2</p> <p>FOURTH-PARTY DEPENDENCY #15 Copyright NOTICE Apache Commons Collections Copyright 2001-2015 The Apache Software Foundation This product includes software developed by The Apache Software Foundation (http://www.apache.org/).</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #16 commons-io:commons-io:2.6</p> <p>FOURTH-PARTY DEPENDENCY #16 Copyright NOTICE Apache Commons IO Copyright 2002-2017 The Apache Software Foundation This product includes software developed at The Apache Software Foundation (http://www.apache.org/).</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #17 commons-logging:commons-logging:1.2</p> <p>FOURTH-PARTY DEPENDENCY #17 Copyright NOTICE Apache Commons Logging Copyright 2003-2014 The Apache Software Foundation This product includes software developed at The Apache Software Foundation (http://www.apache.org/).</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #18 com.sun.activation:jakarta.activation:1.2.1</p> <p>FOURTH-PARTY DEPENDENCY #18 Copyright NOTICE Notices for Eclipse Project for JAF</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>This content is produced and maintained by the Eclipse Project for JAF project.</p> <p>Project home: https://projects.eclipse.org/projects/ee4j.jaf</p> <p>Copyright</p> <p>All content is the property of the respective authors or their employers. For more information regarding authorship of content, please consult the listed source code repository logs.</p> <p>Declared Project Licenses</p> <p>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.</p> <p>SPDX-License-Identifier: BSD-3-Clause</p> <p>Source Code</p> <p>The project maintains the following source code repositories:</p> <p>https://github.com/eclipse-ee4j/jaf</p> <p>Third-party Content</p> <p>This project leverages the following third party content.</p> <p>JUnit (4.12)</p> <p>License: Eclipse Public License</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #19 com.vdurmont:semver4j:3.1.0</p> <p>FOURTH-PARTY DEPENDENCY #19 Copyright and License NOTICE The MIT License (MIT) Copyright (c) 2015-present Vincent DURMONT <vdurmont@gmail.com> MIT - See Appendix G</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #20 javax.inject:javax.inject:1</p> <p>FOURTH-PARTY DEPENDENCY #20 Copyright NOTICE Copyright (C) 2009 The JSR-330 Expert Group</p> <p>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 https://www.apache.org/licenses/LICENSE-2.0</p> <p>-----</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #21 javax.ws.rs:javax.ws.rs-api:2.0.1</p> <p>FOURTH-PARTY DEPENDENCY #21 Copyright Notice Copyright (C) 1989, 1991 Free Software Foundation, Inc. -----</p> <p>FOURTH-PARTY DEPENDENCY #22 joda-time:joda-time:2.10.3</p> <p>FOURTH-PARTY DEPENDENCY #22 Copyright Notice Copyright 2017 Stephen Colebourne 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 https://www.apache.org/licenses/LICENSE-2.0 -----</p> <p>FOURTH-PARTY DEPENDENCY #23 org.apache.commons:commons-compress:1.19</p> <p>FOURTH-PARTY DEPENDENCY #23 Copyright Notice Apache Commons Compress Copyright 2002-2019 The Apache Software Foundation This product includes software developed at The Apache Software Foundation (https://www.apache.org/).</p> <p>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) -----</p> <p>FOURTH-PARTY DEPENDENCY #24 org.apache.commons:commons-jcs-core:2.2.1</p> <p>FOURTH-PARTY DEPENDENCY #24 Copyright Notice Apache Commons JCS Copyright 2001-2017 The Apache Software Foundation. This product includes software developed at The Apache Software Foundation (http://www.apache.org/). -----</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #25 org.apache.commons:commons-lang3:3.8.1 FOURTH-PARTY DEPENDENCY #25 Copyright Notice Apache Commons Lang Copyright 2001-2018 The Apache Software Foundation This product includes software developed at The Apache Software Foundation (http://www.apache.org/). © 2019 GitHub, Inc. -----</p> <p>FOURTH-PARTY DEPENDENCY #26 org.apache.commons:commons-text:1.8 FOURTH-PARTY DEPENDENCY #26 Copyright Notice Apache Commons Text Copyright 2014-2019 The Apache Software Foundation This product includes software developed at The Apache Software Foundation (https://www.apache.org/). -----</p> <p>FOURTH-PARTY DEPENDENCY #27 org.apache.commons:commons-lang3:3.8.1 FOURTH-PARTY DEPENDENCY #28 org.apache.lucene:lucene-analyzers-common:8.3.0 FOURTH-PARTY DEPENDENCY #29 org.apache.lucene:lucene-core:8.3.0 FOURTH-PARTY DEPENDENCY #30 org.apache.lucene:lucene-queries:8.3.0 FOURTH-PARTY DEPENDENCY #31 org.apache.lucene:lucene-queryparser:8.3.0 FOURTH-PARTY DEPENDENCY #32 org.apache.lucene:lucene-sandbox:8.3.0 Common Notice Apache Lucene Copyright 2001-2019 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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>- Apache Xerces</p> <p>ICU4J, (under analysis/icu) is licensed under an MIT styles license and Copyright (c) 1995-2008 International Business Machines Corporation and others</p> <p>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.</p> <p>Brics Automaton (under core/src/java/org/apache/lucene/util/automaton) is BSD-licensed, created by Anders Møller. See http://www.brics.dk/automaton/</p> <p>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/</p> <p>The class org.apache.lucene.util.WeakIdentityMap was derived from the Apache CXF project and is Apache License 2.0.</p> <p>The Google Code Prettify is Apache License 2.0.</p> <p>See http://code.google.com/p/google-code-prettify/JUnit (junit-4.10) is licensed under the Common Public License v. 1.0</p> <p>See http://junit.sourceforge.net/cpl-v10.html</p> <p>This product includes code (JaspellTernarySearchTrie) from Java Spelling Checking Package (jaspell): http://jaspell.sourceforge.net/</p> <p>License: The BSD License (http://www.opensource.org/licenses/bsd-license.php)</p> <p>The snowball stemmers in analysis/common/src/java/net/sf/snowball were developed by Martin Porter and Richard Boulton. The snowball stopword lists in analysis/common/src/resources/org/apache/lucene/analysis/snowball were developed by Martin Porter and Richard Boulton. The full snowball package is available from http://snowball.tartarus.org/</p> <p>The KStem stemmer in analysis/common/src/org/apache/lucene/analysis/en was developed by Bob Krovetz and Sergio</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Guzman-Lara (CIIR-UMass Amherst) under the BSD-license.</p> <p>The Arabic,Persian,Romanian,Bulgarian, Hindi and Bengali analyzers (common) come with a default stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:</p> <p>analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt, analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt, analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt, analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt, analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt, analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt</p> <p>See http://members.unine.ch/jacques.savoy/clef/index.html.</p> <p>The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers (common) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:</p> <p>analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java analysis/common/src/java/org/apache/lucene/analysis/fin/FinnishLightStemmer.java analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java</p> <p>The Stempel analyzer (stempel) includes BSD-licensed software developed by the</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil, and Edmond Nolan. The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in <code>stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt</code>. See http://project.carrot2.org/license.html.</p> <p>The SmartChineseAnalyzer source code (smartcn) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.</p> <p>WordBreakTestUnicode_*.java (under <code>modules/analysis/common/src/test/</code>) is derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.</p> <p>The Morfologik analyzer (morfologik) includes BSD-licensed software developed by Dawid Weiss and Marcin Miłkowski (http://morfologik.blogspot.com/).</p> <p>Morfologik uses data from Polish ispell/myspell dictionary (http://www.sjp.pl/slownik/en/) licenced on the terms of (inter alia) LGPL and Creative Commons ShareAlike.</p> <p>Morfologic includes data from BSD-licensed dictionary of Polish (SGJP) (http://sgjp.pl/morfeusz/)</p> <p>Servlet-api.jar and javax.servlet-*.jar are under the CDDL license, the original source code for this can be found at http://www.eclipse.org/jetty/downloads.php</p> <p>Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration</p> <p>This software includes a binary and/or source version of data from mecab-ipadic-2.7.0-20070801 which can be obtained from http://atilika.com/releases/mecab-ipadic/mecab-ipadic-2.7.0-20070801.tar.gz or http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz</p> <p>mecab-ipadic-2.7.0-20070801 Notice</p> <p>Nara Institute of Science and Technology (NAIST), the copyright holders, disclaims all warranties with regard to this software, including all implied warranties of merchantability and fitness, in no event shall</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>NAIST 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 tortuous action, arising out of or in connection with the use or performance of this software.</p> <p>A large portion of the dictionary entries originate from ICOT Free Software. The following conditions for ICOT Free Software applies to the current dictionary as well. Each User may also freely distribute the Program, whether in its original form or modified, to any third party or parties, PROVIDED that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear on, or be attached to, the Program, which is distributed substantially in the same form as set out herein and that such intended distribution, if actually made, will neither violate or otherwise contravene any of the laws and regulations of the countries having jurisdiction over the User or the intended distribution itself.</p> <p>NO WARRANTY</p> <p>The program was produced on an experimental basis in the course of the research and development conducted during the project and is provided to users as so produced on an experimental basis. Accordingly, the program is provided without any warranty whatsoever, whether express, implied, statutory or otherwise. The term "warranty" used herein includes, but is not limited to, any warranty of the quality, performance, merchantability and fitness for a particular purpose of the program and the nonexistence of any infringement or violation of any right of any third party. Each user of the program will agree and understand, and be deemed to have agreed and understood, that there is no warranty whatsoever for the program and, accordingly, the entire risk arising from or otherwise connected with the program is assumed by the user. Therefore, neither ICOT, the copyright holder, or any other organization that participated in or was otherwise related to the development of the program and their respective officials, directors, officers and other employees shall be held liable for any and all damages, including, without limitation, general, special, incidental and consequential damages, arising out of or otherwise in connection with the use or inability to use the program or any product, material or result produced or otherwise</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>obtained by using the program, regardless of whether they have been advised of, or otherwise had knowledge of, the possibility of such damages at any time during the project or thereafter. Each user will be deemed to have agreed to the foregoing by his or her commencement of use of the program. The term "use" as used herein includes, but is not limited to, the use, modification, copying and distribution of the program and the production of secondary products from the program.</p> <p>In the case where the program, whether in its original form or modified, was distributed or delivered to or received by a user from any person, organization or entity other than ICOT, unless it makes or grants independently of ICOT any specific warranty to the user in writing, such person, organization or entity, will also be exempted from and not be held liable to the user for any such damages as noted above as far as the program is concerned.</p> <p>Nori Korean Morphological Analyzer - Apache Lucene Integration</p> <p>This software includes a binary and/or source version of data from mecab-ko-dic-2.0.3-20170922 which can be obtained from</p> <p>https://bitbucket.org/eunjeon/mecab-ko-dic/downloads/mecab-ko-dic-2.0.3-20170922.tar.gz</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #33 org.checkerframework:checker-qual:2.8.1 FOURTH-PARTY DEPENDENCY #33 Copyright and License Notice Checker Framework qualifiers Copyright 2004-present by the Checker Framework developers MIT License - See Appendix G</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #34 org.json:json:20140107 FOURTH-PARTY DEPENDENCY #34 Copyright and License Notice Copyright (c) 2002 JSON.org</p> <p>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,</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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:</p> <p>The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.</p> <p>The Software shall be used for Good, not Evil.</p> <p>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.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #35 org.jsoup:jsoup:1.12.1</p> <p>FOURTH-PARTY DEPENDENCY #35 Copyright and License Notice The MIT License - See Appendix G Copyright (c) 2009-2019 Jonathan Hedley <jonathan@hedley.net> MIT License - See Appendix G</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #36 org.owasp:dependency-check-core:5.2.4</p> <p>FOURTH-PARTY DEPENDENCY #37 org.owasp:dependency-check-utils:5.2.4</p> <p>Common Copyright Notice dependency-check Copyright (c) 2012-2013 Jeremy Long. All Rights Reserved.</p> <p>The licenses for the software listed below can be found in the META-INF/licenses/[dependency name].</p> <p>This product includes software developed by The Apache Software Foundation (http://www.apache.org/).</p> <p>This product includes software developed by JQuery.com (http://jquery.com/).</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>This product includes software developed by Jonathan Hedley (jsoup.org)</p> <p>This software contains unmodified binary redistributions for H2 database engine (http://www.h2database.com/), which is dual licensed and available under a modified version of the MPL 1.1 (Mozilla Public License) or under the (unmodified) EPL 1.0 (Eclipse Public License).</p> <p>An original copy of the license agreement can be found at: http://www.h2database.com/html/license.html</p> <p>This product includes data from the Common Weakness Enumeration (CWE): http://cwe.mitre.org/</p> <p>This product downloads and utilizes data from the National Vulnerability Database hosted by NIST: http://nvd.nist.gov/download.cfm</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #38 org.owasp:dependency-check-gradle:5.2.4</p> <p>FOURTH-PARTY DEPENDENCY #38 Copyright Notice dependency-check-gradle Copyright (c) 2015 Wei Ma. All Rights Reserved.</p> <p>The licenses for the software listed below can be found in the META-INF/licenses/[dependency name].</p> <p>This product includes software developed by The Apache Software Foundation (http://www.apache.org/).</p> <p>This product includes data from the Common Weakness Enumeration (CWE): http://cwe.mitre.org/</p> <p>This product downloads and utilizes data from the National Vulnerability Database hosted by NIST: http://nvd.nist.gov/download.cfm</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #39 org.slf4j:jcl-over-slf4j:1.7.26</p> <p>FOURTH-PARTY DEPENDENCY #40 org.slf4j:slf4j-api:1.7.26 Common Copyright and License MIT License - See Appendix G Copyright (c) 2004-2017 QOS.ch All rights reserved. MIT License - See Appendix G</p> <p>-----</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #41 org.sonatype.goodies:package-url-java:1.0.1</p> <p>FOURTH-PARTY DEPENDENCY #41 Copyright Notice Copyright (c) 2018-present Sonatype, Inc. All rights reserved. This program is licensed to you under the Apache License Version 2.0, and you may not use this file except in compliance with the Apache License Version 2.0. You may obtain a copy of the Apache License Version 2.0 at http://www.apache.org/licenses/LICENSE-2.0. Unless required by applicable law or agreed to in writing, software distributed under the Apache License Version 2.0 is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the Apache License Version 2.0 for the specific language governing permissions and limitations there under.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #42 org.sonatype.ossindex:ossindex-service-api:1.2.0</p> <p>FOURTH-PARTY DEPENDENCY #43 org.sonatype.ossindex:ossindex-service-client:1.2.0 Common Copyright Notice Copyright © 2018–2019 Sonatype, Inc.. All rights reserved.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #44 us.springett:cpe-parser:2.0.1</p> <p>FOURTH-PARTY DEPENDENCY #44 Copyright Notice This file is part of CPE Parser. This program is licensed to you under the Apache License Version 2.0, and you may not use this file except in compliance with the Apache License Version 2.0. You may obtain a copy of the Apache License Version 2.0 at http://www.apache.org/licenses/LICENSE-2.0. Unless required by applicable law or agreed to in writing, software distributed under the Apache License Version 2.0 is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>OR CONDITIONS OF ANY KIND, either express or implied.</p> <p>See the Apache License Version 2.0 for the specific language governing permissions and limitations there under.</p> <p>Copyright (c) 2018 Jeremy Long. All Rights Reserved.</p> <p>This file is part of CPE Parser.</p> <p>This program is licensed to you under the Apache License Version 2.0, and you may not use this file except in compliance with the Apache License Version 2.0.</p> <p>You may obtain a copy of the Apache License Version 2.0 at http://www.apache.org/licenses/LICENSE-2.0.</p> <p>Unless required by applicable law or agreed to in writing, software distributed under the Apache License Version 2.0 is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.</p> <p>See the Apache License Version 2.0 for the specific language governing permissions and limitations there under.</p> <p>Copyright (c) Steve Springett. All Rights Reserved.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #3 com.github.spullara.mustache.java.compiler:0.8.17</p> <p>FOURTH-PARTY DEPENDENCY #4 com.fasterxml.jackson.core:jackson-annotations:2.10.0</p> <p>FOURTH-PARTY DEPENDENCY #5 com.google.code.findbugs:jsr305:3.0.2</p> <p>FOURTH-PARTY DEPENDENCY #6 com.google.code.gson:gson:2.8.5</p> <p>FOURTH-PARTY DEPENDENCY #7 com.google.errorprone:error_prone_annotations:2.3.2</p> <p>FOURTH-PARTY DEPENDENCY #8 com.google.guava:failureaccess:1.0.1</p> <p>FOURTH-PARTY DEPENDENCY #9 com.google.guava:listenablefuture:9999.0-empty-to-avoid-conflict-with-guava</p> <p>FOURTH-PARTY DEPENDENCY #10 com.google.guava:guava:28.1-jre</p> <p>FOURTH-PARTY DEPENDENCY #11 com.google.j2objc:j2objc-annotations:1.3</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #15 commons-collections:commons-collections:3.2.2</p> <p>FOURTH-PARTY DEPENDENCY #16 commons-io:commons-io:2.6</p> <p>FOURTH-PARTY DEPENDENCY #17 commons-logging:commons-logging:1.2</p> <p>FOURTH-PARTY DEPENDENCY #18 com.sun.activation:jakarta.activation:1.2.1</p> <p>FOURTH-PARTY DEPENDENCY #20 javax.inject:javax.inject:1</p> <p>FOURTH-PARTY DEPENDENCY #21 javax.ws.rs:javax.ws.rs-api:2.0.1</p> <p>FOURTH-PARTY DEPENDENCY #22 joda-time:joda-time:2.10.3</p> <p>FOURTH-PARTY DEPENDENCY #23 org.apache.commons:commons-compress:1.19</p> <p>FOURTH-PARTY DEPENDENCY #24 org.apache.commons:commons-jcs-core:2.2.1</p> <p>FOURTH-PARTY DEPENDENCY #25 org.apache.commons:commons-lang3:3.8.1</p> <p>FOURTH-PARTY DEPENDENCY #26 org.apache.commons:commons-text:1.8</p> <p>FOURTH-PARTY DEPENDENCY #27 org.apache.commons:commons-lang3:3.8.1</p> <p>FOURTH-PARTY DEPENDENCY #28 org.apache.lucene:lucene-analyzers-common:8.3.0</p> <p>FOURTH-PARTY DEPENDENCY #29 org.apache.lucene:lucene-core:8.3.0</p> <p>FOURTH-PARTY DEPENDENCY #30 org.apache.lucene:lucene-queries:8.3.0</p> <p>FOURTH-PARTY DEPENDENCY #31 org.apache.lucene:lucene-queryparser:8.3.0</p> <p>FOURTH-PARTY DEPENDENCY #32 org.apache.lucene:lucene-sandbox:8.3.0</p> <p>FOURTH-PARTY DEPENDENCY #36 org.owasp:dependency-check-core:5.2.4</p> <p>FOURTH-PARTY DEPENDENCY #37 org.owasp:dependency-check-utils:5.2.4</p> <p>FOURTH-PARTY DEPENDENCY #38 org.owasp:dependency-check-gradle:5.2.4</p> <p>FOURTH-PARTY DEPENDENCY #41 org.sonatype.goodies:package-url-java:1.0.1</p> <p>FOURTH-PARTY DEPENDENCY #42 org.sonatype.ossindex:ossindex-service-api:1.2.0</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #43 org.sonatype.ossindex:ossindex-service-client:1.2.0</p> <p>FOURTH-PARTY DEPENDENCY #44 us.springett:cpe-parser:2.0.1</p> <p>Common License</p> <p>Apache License - See Appendix E</p>
The Prometheus Authors	Prometheus Client Python 0.5.0	Copyright 2015 The Prometheus Authors APACHE 2.0 - See Appendix E
Giampaolo Rodola	psutil 5.5.0	<p>Copyright (c) 2009, Jay Loden, Dave Daeschler, Giampaolo Rodola' 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 psutil authors nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.</p> <p>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.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Python Software Foundation	Python 2.7.5-86.0.1	<p>PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2</p> <p>-----</p> <ol style="list-style-type: none"> 1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using 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 alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright © 2001-2006 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. 5. 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. 6. 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

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>ADVISED OF THE POSSIBILITY THEREOF.</p> <p>7. This License Agreement will automatically terminate upon a material breach of its terms and conditions.</p> <p>8. 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.</p> <p>9. By copying, installing or otherwise using Python, Licensee agrees to be bound by the terms and conditions of this License Agreement.</p> <p>BEOPEN.COM LICENSE AGREEMENT FOR PYTHON 2.0</p> <p>-----</p> <p>BEOPEN PYTHON OPEN SOURCE LICENSE AGREEMENT VERSION 1</p> <p>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").</p> <p>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.</p> <p>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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>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.</p> <p>5. This License Agreement will automatically terminate upon a material breach of its terms and conditions.</p> <p>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.</p> <p>7. By copying, installing or otherwise using the software, Licensee agrees to be bound by the terms and conditions of this License Agreement.</p> <p>CNRI LICENSE AGREEMENT FOR PYTHON 1.6.1</p> <p>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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>source or binary form and its associated documentation.</p> <ol style="list-style-type: none"> <li data-bbox="881 426 1372 1224">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 © 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." <li data-bbox="881 1245 1372 1476">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. <li data-bbox="881 1497 1372 1833">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. <li data-bbox="881 1854 1372 1906">5. CNRI SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.</p> <p>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.</p> <p>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.</p> <p>CWI LICENSE AGREEMENT FOR PYTHON 0.9.0 THROUGH 1.2 Copyright © 1991 - 1995, Stichting Mathematisch Centrum Amsterdam, TheNetherlands. 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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>-----</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Python Software Foundation	Python 3.6.8	<p>Copyright © 2001-2018 Python Software Foundation. All rights reserved. Copyright © 2000 BeOpen.com. All rights reserved. Copyright © 1995-2000 Corporation for National Research Initiatives. All rights reserved. Copyright © 1991-1995 Stichting Mathematisch Centrum. All rights reserved. Terms and conditions for accessing or otherwise using Python PSF LICENSE AGREEMENT FOR PYTHON 3.6.5</p> <ol style="list-style-type: none"> 1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using Python 3.6.5 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 3.6.5 alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright © 2001-2018 Python Software Foundation; All Rights Reserved" are retained in Python 3.6.5 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 3.6.5 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 3.6.5. 4. PSF is making Python 3.6.5 available to Licensee on an "AS IS" basis. 5. 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 3.6.5 WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>6. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON 3.6.5 FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 3.6.5, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.</p> <p>7. This License Agreement will automatically terminate upon a material breach of its terms and conditions.</p> <p>8. 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.</p> <p>9. By copying, installing or otherwise using Python 3.6.5, Licensee agrees to be bound by the terms and conditions of this License Agreement.</p> <p>BEOPEN.COM LICENSE AGREEMENT FOR PYTHON 2.0 BEOPEN PYTHON OPEN SOURCE LICENSE AGREEMENT VERSION 1</p> <p>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").</p> <p>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.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>3. BeOpen is making the Software available to Licensee on an "AS IS" basis.</p> <p>4. 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.</p> <p>5. 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.</p> <p>6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.</p> <p>7. 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.</p> <p>8. By copying, installing or otherwise using the software, Licensee agrees to be bound by the terms and conditions of this License Agreement.</p> <p>CNRI LICENSE AGREEMENT FOR PYTHON 1.6.1</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<ol style="list-style-type: none"> <li data-bbox="880 352 1367 604">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. <li data-bbox="880 625 1367 1423">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 © 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." <li data-bbox="880 1444 1367 1675">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. <li data-bbox="880 1696 1367 1885">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

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>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.</p> <p>6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.</p> <p>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.</p> <p>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.</p> <p>CWI LICENSE AGREEMENT FOR PYTHON 0.9.0 THROUGH 1.2 Copyright © 1991 -</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>1995, Stichting Mathematisch Centrum Amsterdam, TheNetherlands. 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.</p> <p>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.</p> <p>Mersenne Twister The <code>_random</code> 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 <code>init_genrand(seed)</code> or <code>init_by_array(init_key, key_length)</code>. 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:</p> <ol style="list-style-type: none"> 1. Redistributions of source code must retain the above copyright <p>notice, this list of conditions and the following disclaimer.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>1. 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.</p> <p>1. The names of its contributors may not be used to endorse or promote products derived from this software without specific prior written permission.</p> <p>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.</p> <p>.</p> <p>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 socket module uses the functions, <code>getaddrinfo()</code>, and <code>getnameinfo()</code>, 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. 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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>provided with the distribution. Neither the name of the project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.</p> <p>THIS SOFTWARE IS PROVIDED BY THE PROJECT 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 PROJECT 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.</p> <p>Floating point exception control The source for the fpectl module includes the following notice:</p> <p>-----</p> <p>/ Copyright (c) 1996. \ The Regents of the University of California. All rights reserved. Permission to use, copy, modify, and distribute this software for any purpose without fee is hereby granted, provided that this en- tire 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 work was produced at the University of California, Lawrence Livermore National Laboratory under contract no. W-7405-ENG-48 between the U.S. Department of Energy and The Regents of the University of California for the operation of UC LLNL. DISCLAIMER This software was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor the University of California nor any of their em- ployees, makes any warranty, express or implied, or assumes any liability or responsibility for the accuracy,</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately-owned rights. Reference herein to any specific commercial products, process, or service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or the University of California. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or the University of California, and shall not be used for advertising or product endorsement purposes. /</p> <p>-----</p> <p>Asynchronous socket services The asynchat and asyncore modules contain the following notice: Copyright 1996 by Sam Rushing 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.</p> <p>Cookie management The 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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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 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.</p> <p>Execution tracing The 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 distribution of the software without specific, written prior permission.</p> <p>UUencode and UUdecode functions The 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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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 xmlrpc.client module contains the following notice: 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 MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL SECRET LABS AB OR THE AUTHOR BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>test_epoll The test_epoll module contains the following notice: Copyright (c) 2001-2006 Twisted Matrix Laboratories. MIT - See Appendix G</p> <p>-----</p> <p>Select kqueue The select module contains the following notice for the kqueue interface: Copyright (c) 2000 Doug White, 2006 James Knight, 2007 Christian Heimes 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 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.</p> <p>-----</p> <p>SipHash24 The file Python/pyhash.c contains Marek Majkowski' implementation of Dan Bernstein's SipHash24 algorithm. Copyright</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>(c) 2013 Marek Majkowski marek@popcount.org MIT - See Appendix G</p> <p>-----</p> <p>strtod and dtoa The 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: /</p> <p>***** *****</p> <p>* * 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.</p> <p>* * 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. *</p> <p>***** *****</p> <p>/ 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:</p> <p>LICENSE ISSUES =====</p> <p>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 ----- /*</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>=====</p> <p>=====</p> <p>* 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: * "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/)"</p> <p>* * 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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE</p> <p>. *</p> <p>=====</p> <p>=====</p> <p>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</p> <p>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:</p> <p>* 1. Redistributions of source code must retain the copyright * notice, this list of conditions and the following disclaimer.</p> <p>* 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.</p> <p>* 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 :-).</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>* 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)"</p> <p>* 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.</p> <p>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 pyexpat extension is built using an included copy of the expat sources unless the build is configured --with-system-expat: Copyright (c) 1998, 1999, 2000 Thai Open Source Software Center Ltd and Clark Cooper MIT - See Appendix G</p> <p>-----</p> <p>---</p> <p>libffi The _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. MIT - See Appendix G</p> <p>-----</p> <p>---</p> <p>zlib The 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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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:</p> <ol style="list-style-type: none"> 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. <p>Jean-loup Gailly Mark Adler jloup@gzip.org madler@alumni.caltech.edu cfuhash The implementation of the hash table used by the 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.</p> <p>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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>libmpdec The _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 Krahl. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <p>Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.</p> <p>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.</p> <p>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.</p>
Pip Developers	python-pip 8.1.2-7	Copyright (c) 2008-2016 The pip developers MIT - See Appendix G

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Sun Microsystems	Python-setuptools 0.9.8-7	ZPL - See Appendix X
Kirill Simonov	pyyaml 3.13	Copyright (c) 2017-2018 Ingy döt Net Copyright (c) 2006-2016 Kirill Simonov MIT - See Appendix G

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Pivotal Software, Inc	reactor-core 3.1.8.RELEASE	<p>Copyright (c) Pivotal Software Inc, All Rights Reserved.</p> <p>Copyright The Netty Project Copyright the original author or authors. APACHE 2.0 - See Appendix E</p> <p>4th -party dependencies: reactive-streams 1.0.1</p> <p>To the extent possible under law, the person who associated CC0 with this code has waived all copyright and related or neighboring rights to this code.</p> <p>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").</p> <p>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.</p> <p>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.</p> <p>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: the right to reproduce, adapt, distribute, perform, display, communicate, and translate a Work; moral rights retained by the</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>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.</p> <p>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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>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 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.</p> <p>-----</p> <p>SLF4J API Module 1.7.12 Copyright (c) QOS.ch MIT License - See Appendix G</p> <p>-----</p> <p>FindBugs-jsr305 3.0.2 Copyright (c) 2007-2009, JSR305 expert group APACHE</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		2.0 - See Appendix E ----- kotlin-stdlib 1.1.51 Copyright JetBrains s.r.o. APACHE 2.0 - See Appendix E ----- IntelliJ IDEA Annotations 13.0 Copyright Sascha Weinreuter Copyright JetBrains s.r.o. APACHE 2.0 - See Appendix E

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Pivotal Software, Inc	reactor-core 3.3.1.RELEASE	<p>Copyright (c) 2011-2019 Pivotal Software Inc, All Rights Reserved. Copyright (c) 2011-2019 Present Pivotal Software Inc, All Rights Reserved. Copyright 2002-2017 the original author or authors. Copyright 2013 The Netty Project APACHE 2.0 - See Appendix E 4th -party dependencies: reactive-streams 1.0.3</p> <p>To the extent possible under law, the person who associated CC0 with this code has waived all copyright and related or neighboring rights to this code.</p> <p>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").</p> <p>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.</p> <p>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.</p> <p>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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>and Related Rights include, but are not limited to, the following: 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.</p> <p>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.</p> <p>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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>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 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.</p> <p>-----</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>SLF4J API Module 1.7.12 Copyright (c) QOS.ch MIT License - See Appendix G</p> <p>-----</p> <p>FindBugs-jsr305 3.0.2 Copyright (c) 2007-2009, JSR305 expert group APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>"micrometer-core" 1.3.0 (io.micrometer:micrometer-core) Copyright (c) 2004-2011 QOS.ch Copyright 2012,2017 The Netty Project Copyright 2017,2019 Pivotal Software, Inc. Apache License Version 2.0</p> <p>-----</p> <p>"BlockHound Java Agent" 1.0.0.RELEASE (io.projectreactor.tools:blockhound) Copyright (c) 2018-2019 Pivotal Software Inc, All Rights Reserved. Copyright (c) 2019- Present Pivotal Software Inc, All Rights Reserved. Apache License Version 2.0</p> <p>-----</p> <p>"org.jetbrains.kotlin:kotlin-stdlib" 1.3.31 (org.jetbrains.kotlin:kotlin-stdlib) Copyright 2010-2018 JetBrains s.r.o. Apache License Version 2.0 -----</p> <p>"org.jetbrains.kotlin:kotlin-stdlib-common" 1.3.31 (org.jetbrains.kotlin:kotlin-stdlib-common) Copyright JetBrains s.r.o. Apache License Version 2.0</p> <p>----- "IntelliJ IDEA Annotations" 13.0 (org.jetbrains:annotations) Copyright 2000-2013 JetBrains s.r.o. Copyright 2006 Sascha Weinreuter Apache License Version 2.0 -----</p> <p>APACHE 2.0 - See Appendix E</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Project Reactor	reactor-netty 0.9.5	<p>TOP-LEVEL COPYRIGHT NOTICE for reactor-netty 0.9.5</p> <p>© 2020 Pivotal Software, Inc. All Rights Reserved</p> <p>-----</p> <p>TOP-LEVEL LICENSE TEXT for reactor-netty 0.9.5</p> <p>APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #1 io.netty:netty-handler-proxy:4.1.46.Final</p> <p>FOURTH-PARTY DEPENDENCY #2 io.netty:netty-codec-http2:4.1.46.Final</p> <p>FOURTH-PARTY DEPENDENCY #3 io.projectreactor:reactor-core:3.3.2</p> <p>FOURTH-PARTY DEPENDENCY #4 io.netty:netty-handler:4.1.46.Final</p> <p>FOURTH-PARTY DEPENDENCY #5 io.netty:netty-codec-http:4.1.46.Final</p> <p>FOURTH-PARTY DEPENDENCY #6 io.netty:netty-transport-native-epoll:4.1.46.Final</p> <p>COMMON NOTICE.txt and COMMON LICENSE TEXT:</p> <p>The Netty Project Copyright 2012,2019 The Netty Project Copyright 2011,2018 The Netty Project Copyright 2014,2017 The Netty Project Copyright 2012,2017 The Netty Project Copyright 2012,2016 The Netty Project Copyright 2014 Twitter, Inc. Copyright (c) 2011, Joe Walnes and contributors Copyright (c) 2008-2009 Bjoern Hoehrmann <bjoern@hoehrmann.de> Copyright (c) 2004-2011 QOS.ch The Netty Project</p> <p>=====</p> <p>Please visit the Netty web site for more information: https://netty.io/ Copyright 2014 The Netty Project</p> <p>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 :</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>http://www.apache.org/licenses/LICENSE-2.0</p> <p>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.</p> <p>Also, please refer to each LICENSE.<component>.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. APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>-----</p> <p>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:</p> <p>* LICENSE:</p> <p>* license/LICENSE.jsr166y.txt (Public Domain)</p> <p>The person or persons who have associated work with this document (the "Dedicator" or "Certifier") hereby either (a) certifies that, to the best of his knowledge, the work of authorship identified is in the public domain of the country from which the work is published, or (b) hereby dedicates whatever copyright the dedicators holds in the work of authorship identified below (the "Work") to the public domain. A certifier, moreover, dedicates any copyright interest he may have in the associated work, and for these purposes, is described as a "dedicator" below.</p> <p>A certifier has taken reasonable steps to verify the copyright status of this work. Certifier recognizes that his good faith efforts may not shield him from liability if in fact the work certified is not in the public domain.</p> <p>Dedicator makes this dedication for the benefit of the public at large and to the detriment of the Dedicator's heirs and successors. Dedicator intends this dedication to be an overt act of relinquishment in perpetuity of all present</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>and future rights under copyright law, whether vested or contingent, in the Work. Dedicator understands that such relinquishment of all rights includes the relinquishment of all rights to enforce (by lawsuit or otherwise) those copyrights in the Work. Dedicator recognizes that, once placed in the public domain, the Work may be freely reproduced, distributed, transmitted, used, modified, built upon, or otherwise exploited by anyone for any purpose, commercial or non-commercial, and in any way, including by methods that have not yet been invented or conceived.</p> <p>* HOMEPAGE: * http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/ * http://viewvc.jboss.org/cgi-bin/viewvc.cgi/jboss-cache/experimental/jsr166/</p> <p>-----</p> <p>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)</p> <p>The person or persons who have associated work with this document (the "Dedicator" or "Certifier") hereby either (a) certifies that, to the best of his knowledge, the work of authorship identified is in the public domain of the country from which the work is published, or (b) hereby dedicates whatever copyright the dedicators holds in the work of authorship identified below (the "Work") to the public domain. A certifier, moreover, dedicates any copyright interest he may have in the associated work, and for these purposes, is described as a "dedicator" below. A certifier has taken reasonable steps to verify the copyright status of this work. Certifier recognizes that his good faith efforts may not shield him from</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>liability if in fact the work certified is not in the public domain.</p> <p>Dedicator makes this dedication for the benefit of the public at large and to the detriment of the Dedicator's heirs and successors. Dedicator intends this dedication to be an overt act of relinquishment in perpetuate of all present and future rights under copyright law, whether vested or contingent, in the Work. Dedicator understands that such relinquishment of all rights includes the relinquishment of all rights to enforce (by lawsuit or otherwise) those copyrights in the Work.</p> <p>Dedicator recognizes that, once placed in the public domain, the Work may be freely reproduced, distributed, transmitted, used, modified, built upon, or otherwise exploited by anyone for any purpose, commercial or non-commercial, and in any way, including by methods that have not yet been invented or conceived.</p> <p>* HOMEPAGE: * http://iharder.sourceforge.net/current/java/base64/</p> <p>-----</p> <p>This product contains a modified portion of 'Webbit', an event based WebSocket and HTTP server, which can be obtained at:</p> <p>* LICENSE: * license/LICENSE.webbit.txt (BSD License) (BSD License: http://www.opensource.org/licenses/bsd-license)</p> <p>Copyright (c) 2011, Joe Walnes, Aslak Hellesey and contributors All rights reserved.</p> <p>Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <p>* Redistributions of source code must retain the above copyright notice, this list of conditions and the</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>following disclaimer.</p> <p>* 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.</p> <p>* Neither the name of the Webbit nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.</p> <p>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.</p> <p>* HOMEPAGE: * https://github.com/joewalnes/webbit</p> <p>-----</p> <p>This product contains a modified portion of 'SLF4J', a simple logging facade for Java, which can be obtained at:</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>* LICENSE:</p> <p>* license/LICENSE.sl4j.txt (MIT License)</p> <p>/*</p> <p>* Copyright (c) 2004-2007 QOS.ch</p> <p>* All rights reserved.</p> <p>*</p> <p>* Permission is hereby granted, free of charge, to any person obtaining</p> <p>* a copy of this software and associated documentation files (the</p> <p>* "Software"), to deal in the Software without restriction, including</p> <p>* without limitation the rights to use, copy, modify, merge, publish,</p> <p>* distribute, sublicense, and/or sell copies of the Software, and to</p> <p>* permit persons to whom the Software is furnished to do so, subject to</p> <p>* the following conditions:</p> <p>*</p> <p>* The above copyright notice and this permission notice shall be</p> <p>* included in all copies or substantial portions of the Software.</p> <p>*</p> <p>* THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,</p> <p>* EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF</p> <p>* MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND</p> <p>* NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE</p> <p>* LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION</p> <p>* OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION</p> <p>* WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.</p> <p>*/</p> <p>* HOMEPAGE:</p> <p>* http://www.sl4j.org/</p> <p>-----</p> <p>-----</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>This product contains a modified portion of 'Apache Harmony', an open source Java SE, which can be obtained at:</p> <p>* NOTICE: * license/NOTICE.harmony.txt</p> <p>Apache Harmony Copyright 2006, 2010 The Apache Software Foundation.</p> <p>This product includes software developed at The Apache Software Foundation (http://www.apache.org/).</p> <p>* LICENSE: * license/LICENSE.harmony.txt (Apache License 2.0)</p> <p>* HOMEPAGE: * http://archive.apache.org/dist/harmony/</p> <p>-----</p> <p>This product contains a modified portion of 'jzip2', a Java bzip2 compression and decompression library written by Matthew J. Francis. It can be obtained at:</p> <p>* LICENSE: * license/LICENSE.jzip2.txt (MIT License)</p> <p>Copyright (c) 2010-2011 Matthew J. Francis and Contributors of the jzip2 Project</p> <p>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:</p> <p>The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.</p> <p>THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>* HOMEPAGE: * https://code.google.com/p/jbzip2/</p> <p>----- -----</p> <p>This product contains a modified portion of 'libdivsufsort', a C API library to construct the suffix array and the Burrows-Wheeler transformed string for any input string of a constant-size alphabet written by Yuta Mori. It can be obtained at:</p> <p>* LICENSE: * license/LICENSE.libdivsufsort.txt (MIT License)</p> <p>Copyright (c) 2003-2008 Yuta Mori All Rights Reserved.</p> <p>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:</p> <p>The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.</p> <p>THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>* HOMEPAGE: * https://github.com/y-256/libdivsufsort</p> <p>-----</p> <p>This product contains a modified portion of Nitsan Wakart's 'JCTools', Java Concurrency Tools for the JVM, which can be obtained at:</p> <p>* LICENSE: * license/LICENSE.jctools.txt (ASL2 License) * HOMEPAGE: * https://github.com/JCTools/JCTools</p> <p>-----</p> <p>This product optionally depends on 'JZlib', a re-implementation of zlib in pure Java, which can be obtained at:</p> <p>* LICENSE: * license/LICENSE.jzlib.txt (BSD style License)</p> <p>Copyright (c) 2000,2001,2002,2003,2004 ymnk, JCraft,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:</p> <ol style="list-style-type: none"> 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

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>the documentation and/or other materials provided with the distribution.</p> <p>3. The names of the authors may not be used to endorse or promote products derived from this software without specific prior written permission.</p> <p>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.</p> <p>* HOMEPAGE: * http://www.jcraft.com/jzlib/</p> <p>-----</p> <p>This product optionally depends on 'Compress-LZF', a Java library for encoding and decoding data in LZF format, written by Tatu Saloranta. It can be obtained at:</p> <p>* LICENSE: * license/LICENSE.compress-lzf.txt (Apache License 2.0)</p> <p>Copyright 2009-2010 Ning, Inc. Licensed under the Apache License, Version 2.0 (the "License"); you may not</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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</p> <p>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.</p> <p>* HOMEPAGE: * https://github.com/ning/compress</p> <p>-----</p> <p>This product optionally depends on 'lz4', a LZ4 Java compression and decompression library written by Adrien Grand. It can be obtained at:</p> <p>* LICENSE: * license/LICENSE.lz4.txt (Apache License 2.0)</p> <p>* HOMEPAGE: * https://github.com/jpountz/lz4-java</p> <p>-----</p> <p>This product optionally depends on 'lzma-java', a LZMA Java compression and decompression library, which can be obtained at:</p> <p>* LICENSE: * license/LICENSE.lzma-java.txt (Apache License 2.0)</p> <p>* HOMEPAGE: * https://github.com/jponge/lzma-java</p> <p>Copyright (c) 2010-2011 Julien Ponge. All rights reserved. Copyright (c) 2011 Tamas Cservenak. All rights reserved. Copyright (c) 2009 Julien Ponge. All rights reserved.</p> <p>-----</p> <p>This product contains a modified portion of 'jfastlz', a Java port of FastLZ compression</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>and decompression library written by William Kinney. It can be obtained at:</p> <p>* LICENSE:</p> <p>* license/LICENSE.jfastlz.txt (MIT License)</p> <p>The MIT License</p> <p>Copyright (c) 2009 William Kinney</p> <p>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:</p> <p>The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.</p> <p>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.</p> <p>* HOMEPAGE:</p> <p>* https://code.google.com/p/jfastlz/</p> <p>-----</p> <p>This product contains a modified portion of and optionally depends on 'Protocol Buffers', Google's data interchange format, which can be obtained at:</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>* LICENSE:</p> <p>* license/LICENSE.protobuf.txt (New BSD License)</p> <p>Protocol Buffers - Google's data interchange format</p> <p>Copyright 2013 Google Inc. All rights reserved.</p> <p>https://developers.google.com/protocol-buffers/</p> <p>Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <p>* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.</p> <p>* 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.</p> <p>* 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.</p> <p>THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS</p> <p>"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</p> <p>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,</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>Code generated by the Protocol Buffer compiler is owned by the owner of the input file used when generating it. This code is not standalone and requires a support library to be linked with it. This support library is itself covered by the above license.</p> <p>* HOMEPAGE: * https://github.com/google/protobuf</p> <p>-----</p> <p>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:</p> <p>* LICENSE: * license/LICENSE.bouncycastle.txt (MIT License) The MIT License (MIT) Copyright (c) 2000 - 2013 The Legion of the Bouncy Castle Inc. (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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>all copies or substantial portions of the Software.</p> <p>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.</p> <p>* HOMEPAGE: * http://www.bouncycastle.org/</p> <p>-----</p> <p>This product optionally depends on 'Snappy', a compression library produced by Google Inc, which can be obtained at:</p> <p>* LICENSE: * license/LICENSE.snappy.txt (New BSD License)</p> <p>Copyright 2011, Google Inc. All rights reserved.</p> <p>Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <p>* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.</p> <p>* 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.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>* 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.</p> <p>THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS</p> <p>"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.</p> <p>* HOMEPAGE: * https://github.com/google/snappy</p> <p>-----</p> <p>This product optionally depends on 'JBoss Marshalling', an alternative Java serialization API, which can be obtained at:</p> <p>* LICENSE: * license/LICENSE.jboss-marshalling.txt (Apache License 2.0)</p> <p>* HOMEPAGE: * https://github.com/jboss-remoting/jboss-marshalling</p> <p>Copyright 2014, Red Hat, Inc., and individual contributors</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Copyright 2016 Red Hat, Inc., and individual contributors Copyright 2018 Red Hat, Inc., and individual contributors</p> <p>-----</p> <p>This product optionally depends on 'Caliper', Google's micro-benchmarking framework, which can be obtained at: * LICENSE: * license/LICENSE.caliper.txt (Apache License 2.0) * HOMEPAGE: * https://github.com/google/caliper Copyright (C) 2011 Google Inc. Copyright (C) 2012 Google Inc. Copyright (C) 2013 Google Inc. Copyright (C) 2014 Google Inc. Copyright (C) 2015 Google Inc. Copyright (C) 2016 Google Inc. Copyright (C) 2017 Google Inc. Copyright (C) 2018 Google Inc.</p> <p>-----</p> <p>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/ Apache Commons Logging Copyright 2003-2014 The Apache Software Foundation This product includes software developed at The Apache Software Foundation (http://www.apache.org/).</p> <p>-----</p> <p>This product optionally depends on 'Apache Log4J', a logging framework, which can be obtained at: * LICENSE:</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>* license/LICENSE.log4j.txt (Apache License 2.0) * HOMEPAGE: * http://logging.apache.org/log4j/ Apache 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 Dumpster 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</p> <p>-----</p> <p>This product optionally depends on 'Aalto XML', an ultra-high performance non-blocking XML processor, which can be obtained at: * LICENSE: * license/LICENSE.aalto-xml.txt (Apache License 2.0) * HOMEPAGE: * http://wiki.fasterxml.com/AaltoHome Copyright (c) 2006- Tatu Saloranta, tatu.saloranta@iki.fi Copyright 2012 FasterXML.com</p> <p>-----</p> <p>This product contains a modified version of 'HPACK', a Java implementation of the HTTP/2 HPACK algorithm written by Twitter. It can be obtained at: * LICENSE: * license/LICENSE.hpack.txt (Apache License 2.0) * HOMEPAGE: * https://github.com/twitter/hpack Copyright 2013 Twitter, Inc. Copyright 2014 Twitter, Inc.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Copyright 2015 Twitter, Inc.</p> <p>-----</p> <p>This product contains a modified version of 'HPACK', a Java implementation of the HTTP/2 HPACK algorithm written by Cory Benfield. It can be obtained at:</p> <p>* LICENSE: * license/LICENSE.hyper-hpack.txt (MIT License) The MIT License (MIT) Copyright (c) 2014 Cory Benfield MIT - See Appendix G * HOMEPAGE: * https://github.com/python-hyper/hpack/</p> <p>-----</p> <p>This product contains a modified version of 'HPACK', a Java implementation of the HTTP/2 HPACK algorithm written by Tatsuhiro Tsujikawa. It can be obtained at:</p> <p>* LICENSE: * license/LICENSE.nghttp2-hpack.txt (MIT License) The MIT License Copyright (c) 2012, 2014, 2015, 2016 Tatsuhiro Tsujikawa Copyright (c) 2012, 2014, 2015, 2016 nghttp2 contributors MIT - See Appendix G * HOMEPAGE: * https://github.com/nghttp2/nghttp2/</p> <p>-----</p> <p>This product contains a modified portion of 'Apache Commons Lang', a Java library provides utilities for the java.lang API, which can be obtained at:</p> <p>* LICENSE: * license/LICENSE.commons-lang.txt (Apache License 2.0) * HOMEPAGE: * https://commons.apache.org/proper/commons-lang/ Apache Commons Lang Copyright 2001-2018 The Apache Software Foundation This product includes software developed at</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>The Apache Software Foundation (http://www.apache.org/).</p> <p>-----</p> <p>This product contains the Maven wrapper scripts from 'Maven Wrapper', that provides an easy way to ensure a user has everything necessary to run the Maven build.</p> <p>* LICENSE: * license/LICENSE.mvn-wrapper.txt (Apache License 2.0) * HOMEPAGE: * https://github.com/takari/maven-wrapper Copyright 2007-present the original author or authors.</p> <p>-----</p> <p>This product contains the dnsinfo.h header file, that provides a way to retrieve the system DNS configuration on MacOS.</p> <p>This private header is also used by Apple's open source mDNSResponder (https://opensource.apple.com/tarballs/mDNSResponder/).</p> <p>* LICENSE: * license/LICENSE.dnsinfo.txt (Apache License 2.0) * HOMEPAGE: * http://www.opensource.apple.com/source/configd/configd-453.19/dnsinfo/dnsinfo.h LICENSE TEXT : Copyright (c) 2004-2006, 2008, 2009, 2011 Apple Inc. All rights reserved. @APPLE_LICENSE_HEADER_START@ This file contains Original Code and/or Modifications of Original Code as defined in and that are subject to the Apple Public Source License Version 2.0 (the 'License'). You may not use this file except in compliance with the License. Please obtain a copy of the License at http://www.opensource.apple.com/apsl/ and read it before using this file. The Original Code and all software distributed under the License are distributed on an 'AS IS' basis, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, AND APPLE HEREBY DISCLAIMS ALL SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>PARTICULAR PURPOSE, QUIET ENJOYMENT OR NON-INFRINGEMENT.</p> <p>Please see the License for the specific language governing rights and limitations under the License.</p> <p>@APPLE_LICENSE_HEADER_END@ */</p> <p>* HOMEPAGE: * http://www.opensource.apple.com/source/configd/configd-453.19/dnsinfo/dnsinfo.h</p> <p>APPLE PUBLIC SOURCE LICENSE Version 2.0 - August 6, 2003</p> <p>Please read this License carefully before downloading this software.</p> <p>By downloading or using this software, you are agreeing to be bound by the terms of this License. If you do not or cannot agree to the terms of this License, please do not download or use the software.</p> <p>Apple Note: In January 2007, Apple changed its corporate name from "Apple Computer, Inc." to "Apple Inc." This change has been reflected below and copyright years updated, but no other changes have been made to the APSL 2.0.</p> <p>1. General; Definitions. This License applies to any program or other work which Apple Inc. ("Apple") makes publicly available and which contains a notice placed by Apple identifying such program or work as "Original Code" and stating that it is subject to the terms of this Apple Public Source License version 2.0 ("License").</p> <p>As used in this License:</p> <p>1.1 "Applicable Patent Rights" mean: (a) in the case where Apple is the grantor of rights, (i) claims of patents that are now or hereafter acquired, owned by or assigned to Apple and (ii) that cover subject matter contained in the Original Code, but only to the extent necessary to use, reproduce and/or distribute the Original</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Code without infringement; and (b) in the case where You are the grantor of rights, (i) claims of patents that are now or hereafter acquired, owned by or assigned to You and (ii) that cover subject matter in Your Modifications, taken alone or in combination with Original Code.</p> <p>1.2 "Contributor" means any person or entity that creates or contributes to the creation of Modifications.</p> <p>1.3 "Covered Code" means the Original Code, Modifications, the combination of Original Code and any Modifications, and/or any respective portions thereof.</p> <p>1.4 "Externally Deploy" means: (a) to sublicense, distribute or otherwise make Covered Code available, directly or indirectly, to anyone other than You; and/or (b) to use Covered Code, alone or as part of a Larger Work, in any way to provide a service, including but not limited to delivery of content, through electronic communication with a client other than You.</p> <p>1.5 "Larger Work" means a work which combines Covered Code or portions thereof with code not governed by the terms of this License.</p> <p>1.6 "Modifications" mean any addition to, deletion from, and/or change to, the substance and/or structure of the Original Code, any previous Modifications, the combination of Original Code and any previous Modifications, and/or any respective portions thereof.</p> <p>When code is released as a series of files, a Modification is: (a) any addition to or deletion from the contents of a file containing Covered Code; and/or (b) any new file or other representation of computer program statements that contains any part of Covered Code.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>1.7 "Original Code" means (a) the Source Code of a program or other work as originally made available by Apple under this License, including the Source Code of any updates or upgrades to such programs or works made available by Apple under this License, and that has been expressly identified by Apple as such in the header file(s) of such work; and (b) the object code compiled from such Source Code and originally made available by Apple under this License</p> <p>1.8 "Source Code" means the human readable form of a program or other work that is suitable for making modifications to it, including all modules it contains, plus any associated interface definition files, scripts used to control compilation and installation of an executable (object code).</p> <p>1.9 "You" or "Your" means an individual or a legal entity exercising rights under this License. For legal entities, "You" or "Your" includes any entity which controls, is controlled by, or is under common control with, You, where "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 fifty percent (50%) or more of the outstanding shares or beneficial ownership of such entity.</p> <p>2. Permitted Uses; Conditions & Restrictions. Subject to the terms and conditions of this License, Apple hereby grants You, effective on the date You accept this License and download the Original Code, a world-wide, royalty-free, non-exclusive license, to the extent of Apple's Applicable Patent Rights and copyrights</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>covering the Original Code, to do the following:</p> <p>2.1 Unmodified Code. You may use, reproduce, display, perform, internally distribute within Your organization, and Externally Deploy verbatim, unmodified copies of the Original Code, for commercial or non-commercial purposes, provided that in each instance:</p> <p>(a) You must retain and reproduce in all copies of Original Code the copyright and other proprietary notices and disclaimers of Apple as they appear in the Original Code, and keep intact all notices in the Original Code that refer to this License; and</p> <p>(b) You must include a copy of this License with every copy of Source Code of Covered Code and documentation You distribute or Externally Deploy, and You may not offer or impose any terms on such Source Code that alter or restrict this License or the recipients' rights hereunder, except as permitted under Section 6.</p> <p>2.2 Modified Code. You may modify Covered Code and use, reproduce, display, perform, internally distribute within Your organization, and Externally Deploy Your Modifications and Covered Code, for commercial or non-commercial purposes, provided that in each instance You also meet all of these conditions:</p> <p>(a) You must satisfy all the conditions of Section 2.1 with respect to the Source Code of the Covered Code;</p> <p>(b) You must duplicate, to the extent it does not already exist, the notice in Exhibit A in each file of the Source Code of all Your Modifications, and cause the modified files to carry prominent notices stating that You changed the files and the date of any</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>change; and</p> <p>(c) If You Externally Deploy Your Modifications, You must make Source Code of all Your Externally Deployed Modifications either available to those to whom You have Externally Deployed Your Modifications, or publicly available. Source Code of Your Externally Deployed Modifications must be released under the terms set forth in this License, including the license grants set forth in Section 3 below, for as long as you Externally Deploy the Covered Code or twelve (12) months from the date of initial External Deployment, whichever is longer. You should preferably distribute the Source Code of Your Externally Deployed Modifications electronically (e.g. download from a web site).</p> <p>2.3 Distribution of Executable Versions. In addition, if You Externally Deploy Covered Code (Original Code and/or Modifications) in object code, executable form only, You must include a prominent notice, in the code itself as well as in related documentation, stating that Source Code of the Covered Code is available under the terms of this License with information on how and where to obtain such Source Code.</p> <p>2.4 Third Party Rights. You expressly acknowledge and agree that although Apple and each Contributor grants the licenses to their respective portions of the Covered Code set forth herein, no assurances are provided by Apple or any Contributor that the Covered Code does not infringe the patent or other intellectual property rights of any other entity. Apple and each Contributor disclaim any</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>liability to You 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, You hereby assume sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow You to distribute the Covered Code, it is Your responsibility to acquire that license before distributing the Covered Code.</p> <p>3. Your Grants. In consideration of, and as a condition to, the licenses granted to You under this License, You hereby grant to any person or entity receiving or distributing Covered Code under this License a non-exclusive, royalty-free, perpetual, irrevocable license, under Your Applicable Patent Rights and other intellectual property rights (other than patent) owned or controlled by You, to use, reproduce, display, perform, modify, sublicense, distribute and Externally Deploy Your Modifications of the same scope and extent as Apple's licenses under Sections 2.1 and 2.2 above.</p> <p>4. Larger Works. You may create a Larger Work by combining Covered Code with other code not governed by the terms of this License and distribute the Larger Work as a single product. In each such instance, You must make sure the requirements of this License are fulfilled for the Covered Code or any portion thereof.</p> <p>5. Limitations on Patent License. Except as expressly stated in Section 2, no other patent rights, express or implied, are granted by Apple herein. Modifications and/or Larger Works may require</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>additional patent licenses from Apple which Apple may grant in its sole discretion.</p> <p>6. Additional Terms. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations and/or other rights consistent with the scope of the license granted herein ("Additional Terms") to one or more recipients of Covered Code. However, You may do so only on Your own behalf and as Your sole responsibility, and not on behalf of Apple or any Contributor. You must obtain the recipient's agreement that any such Additional Terms are offered by You alone, and You hereby agree to indemnify, defend and hold Apple and every Contributor harmless for any liability incurred by or claims asserted against Apple or such Contributor by reason of any such Additional Terms.</p> <p>7. Versions of the License. Apple may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Once Original Code has been published under a particular version of this License, You may continue to use it under the terms of that version. You may also choose to use such Original Code under the terms of any subsequent version of this License published by Apple. No one other than Apple has the right to modify the terms applicable to Covered Code created under this License.</p> <p>8. NO WARRANTY OR SUPPORT. The Covered Code may contain in whole or in part pre-release, untested, or not fully tested works. The Covered Code may contain errors that could cause failures or loss</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>of data, and may be incomplete or contain inaccuracies. You expressly acknowledge and agree that use of the Covered Code, or any portion thereof, is at Your sole and entire risk. THE COVERED CODE IS PROVIDED "AS IS" AND WITHOUT WARRANTY, UPGRADES OR SUPPORT OF ANY KIND AND APPLE AND APPLE'S LICENSOR(S) (COLLECTIVELY REFERRED TO AS "APPLE" FOR THE PURPOSES OF SECTIONS 8 AND 9) AND ALL CONTRIBUTORS EXPRESSLY DISCLAIM ALL WARRANTIES AND/OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES AND/OR CONDITIONS OF MERCHANTABILITY, OF SATISFACTORY QUALITY, OF FITNESS FOR A PARTICULAR PURPOSE, OF ACCURACY, OF QUIET ENJOYMENT, AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. APPLE AND EACH CONTRIBUTOR DOES NOT WARRANT AGAINST INTERFERENCE WITH YOUR ENJOYMENT OF THE COVERED CODE, THAT THE FUNCTIONS CONTAINED IN THE COVERED CODE WILL MEET YOUR REQUIREMENTS, THAT THE OPERATION OF THE COVERED CODE WILL BE UNINTERRUPTED OR ERROR-FREE, OR THAT DEFECTS IN THE COVERED CODE WILL BE CORRECTED. NO ORAL OR WRITTEN INFORMATION OR ADVICE GIVEN BY APPLE, AN APPLE AUTHORIZED REPRESENTATIVE OR ANY CONTRIBUTOR SHALL CREATE A WARRANTY. You acknowledge that the Covered Code is not intended for use in the operation of nuclear facilities, aircraft navigation, communication systems, or air traffic control machines</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>in which case the failure of the Covered Code could lead to death, personal injury, or severe physical or environmental damage.</p> <p>9. LIMITATION OF LIABILITY. TO THE EXTENT NOT PROHIBITED BY LAW, IN NO EVENT SHALL APPLE OR ANY CONTRIBUTOR BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR RELATING TO THIS LICENSE OR YOUR USE OR INABILITY TO USE THE COVERED CODE, OR ANY PORTION THEREOF, WHETHER UNDER A THEORY OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE), PRODUCTS LIABILITY OR OTHERWISE, EVEN IF APPLE OR SUCH CONTRIBUTOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES AND NOTWITHSTANDING THE FAILURE OF ESSENTIAL PURPOSE OF ANY REMEDY. SOME JURISDICTIONS DO NOT ALLOW THE LIMITATION OF LIABILITY OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS LIMITATION MAY NOT APPLY TO YOU. In no event shall Apple's total liability to You for all damages (other than as may be required by applicable law) under this License exceed the amount of fifty dollars (\$50.00).</p> <p>10. Trademarks. This License does not grant any rights to use the trademarks or trade names "Apple", "Mac", "Mac OS", "QuickTime", "QuickTime Streaming Server" or any other trademarks, service marks, logos or trade names belonging to Apple (collectively "Apple Marks") or to any trademark, service mark, logo or trade name belonging to any Contributor. You agree not to use any Apple Marks in or as part of the name of products derived from the Original Code or to</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>endorse or promote products derived from the Original Code other than as expressly permitted by and in strict compliance at all times with Apple's third party trademark usage guidelines which are posted at http://www.apple.com/legal/guidelinesfor3rdparties.html.</p> <p>11. Ownership. Subject to the licenses granted under this License, each Contributor retains all rights, title and interest in and to any Modifications made by such Contributor. Apple retains all rights, title and interest in and to the Original Code and any Modifications made by or on behalf of Apple ("Apple Modifications"), and such Apple Modifications will not be automatically subject to this License. Apple may, at its sole discretion, choose to license such Apple Modifications under this License, or on different terms from those contained in this License or may choose not to license them at all.</p> <p>12. Termination.</p> <p>12.1 Termination. This License and the rights granted hereunder will terminate:</p> <p>(a) automatically without notice from Apple if You fail to comply with any term(s) of this License and fail to cure such breach within 30 days of becoming aware of such breach;</p> <p>(b) immediately in the event of the circumstances described in Section 13.5(b); or (c) automatically without notice from Apple if You, at any time during the term of this License, commence an action for patent infringement against Apple; provided that Apple did not first commence an action for patent infringement against You in that instance.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>12.2 Effect of Termination. Upon termination, You agree to immediately stop any further use, reproduction, modification, sublicensing and distribution of the Covered Code. All sublicenses to the Covered Code which have been properly granted prior to termination shall survive any termination of this License. Provisions which, by their nature, should remain in effect beyond the termination of this License shall survive, including but not limited to Sections 3, 5, 8, 9, 10, 11, 12.2 and 13. No party will be liable to any other for compensation, indemnity or damages of any sort solely as a result of terminating this License in accordance with its terms, and termination of this License will be without prejudice to any other right or remedy of any party.</p> <p>13. Miscellaneous.</p> <p>13.1 Government End Users. The Covered Code is a "commercial item" as defined in FAR 2.101. Government software and technical data rights in the Covered Code include only those rights customarily provided to the public as defined in this License. This customary commercial license in technical data and software is provided in accordance with FAR 12.211 (Technical Data) and 12.212 (Computer Software) and, for Department of Defense purchases, DFAR 252.227-7015 (Technical Data -- Commercial Items) and 227.7202-3 (Rights in Commercial Computer Software or Computer Software Documentation). Accordingly, all U.S. Government End Users acquire Covered Code with only those rights set forth herein.</p> <p>13.2 Relationship of Parties. This License will not be construed</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>as creating an agency, partnership, joint venture or any other form of legal association between or among You, Apple or any Contributor, and You will not represent to the contrary, whether expressly, by implication, appearance or otherwise.</p> <p>13.3 Independent Development. Nothing in this License will impair Apple's right to acquire, license, develop, have others develop for it, market and/or distribute technology or products that perform the same or similar functions as, or otherwise compete with, Modifications, Larger Works, technology or products that You may develop, produce, market or distribute.</p> <p>13.4 Waiver; Construction. Failure by Apple or any Contributor to enforce any provision of this License will not be deemed a waiver of future enforcement of that or any other provision. Any law or regulation which provides that the language of a contract shall be construed against the drafter will not apply to this License.</p> <p>13.5 Severability. (a) If for any reason a court of competent jurisdiction finds any provision of this License, or portion thereof, to be unenforceable, that provision of the License will be enforced to the maximum extent permissible so as to effect the economic benefits and intent of the parties, and the remainder of this License will continue in full force and effect. (b) Notwithstanding the foregoing, if applicable law prohibits or restricts You from fully and/or specifically complying with Sections 2 and/or 3 or prevents the enforceability of either of those Sections, this License will immediately terminate and You must immediately discontinue any use</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>of the Covered Code and destroy all copies of it that are in your possession or control.</p> <p>13.6 Dispute Resolution. Any litigation or other dispute resolution between You and Apple relating to this License shall take place in the Northern District of California, and You and Apple hereby consent to the personal jurisdiction of, and venue in, the state and federal courts within that District with respect to this License. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded.</p> <p>13.7 Entire Agreement; Governing Law. This License constitutes the entire agreement between the parties with respect to the subject matter hereof. This License shall be governed by the laws of the United States and the State of California, except that body of California law concerning conflicts of law. Where You are located in the province of Quebec, Canada, the following clause applies: The parties hereby confirm that they have requested that this License and all related documents be drafted in English.</p> <p>Les parties ont exigé que le présent contrat et tous les documents connexes soient rédigés en anglais.</p> <p>EXHIBIT A.</p> <p>"Portions Copyright (c) 1999-2007 Apple Inc. All Rights Reserved.</p> <p>This file contains Original Code and/or Modifications of Original Code as defined in and that are subject to the Apple Public Source License Version 2.0 (the 'License'). You may not use this file except in compliance with the License. Please obtain a copy of the License at http://www.opensource.apple.com/apsl/ and read it before</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>using this file.</p> <p>The Original Code and all software distributed under the License are distributed on an 'AS IS' basis, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, AND APPLE HEREBY DISCLAIMS ALL SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, QUIET ENJOYMENT OR NON-INFRINGEMENT. Please see the License for the specific language governing rights and limitations under the License."</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Kenneth Reitz	requests 2.21.0	<p>Copyright 2018 Kenneth Reitz APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>4th Party Dependencies: urllib3>=1.21.1,<1.23 Copyright 2008-2016 Andrey Petrov and contributors The MIT License (MIT)- See Appendix G</p> <p>-----</p> <p>----</p> <p>certifi>=2017.4.17 This package contains a modified version of ca-bundle.crt: ca-bundle.crt -- Bundle of CA Root Certificates This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. MPL 2.0 - See Appendix S</p> <p>-----</p> <p>----</p> <p>chardet>=3.0.2,<3.1.0 LGPL 2.1 - See Appendix T</p> <p>-----</p> <p>--</p> <p>idna>=2.5,<2.7 Copyright (c) 2013-2017, Kim Davies. 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 the contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE 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,</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>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.</p> <p>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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE.</p> <p>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.</p> <p>-----</p> <p>pysocks Copyright 2006 Dan-Haim. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <p>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.</p> <p>Neither the name of Dan Haim nor the names of his contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY DAN HAIM "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 DAN HAIM OR HIS 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, 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.</p> <p>-----</p> <p>alabaster Copyright (c) 2017 Jeff Forcier. Based on original work copyright (c) 2011 Kenneth Reitz and copyright (c) 2010 Armin Ronacher. Some rights reserved. Redistribution and use in source and binary</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>forms of the theme, 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. * The names of the contributors may not be used to endorse or promote products derived from this software without specific prior written permission. THIS THEME 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 THEME, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.</p> <p>-----</p> <p>-----</p> <p>Apipkg The MIT License (MIT)- See Appendix G</p> <p>-----</p> <p>babel Copyright (C) 2013 by the Babel Team, see AUTHORS for more information. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <p>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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>and/or other materials provided with the distribution.</p> <p>The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.</p> <p>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.</p> <p>-----</p> <p>---</p> <p>bleach Copyright (c) 2014-2017, Mozilla Foundation APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>-</p> <p>click Copyright (c) 2014 by Armin Ronacher. Click uses parts of optparse written by Gregory P. Ward and maintained by the Python software foundation. This is limited to code in the parser.py module: Copyright (c) 2001-2006 Gregory P. Ward. All rights reserved. Copyright (c) 2002-2006 Python Software Foundation. All rights reserved. Some 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. * The names of the contributors may not be used to endorse or promote products derived from this</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>software without specific prior written permission.</p> <p>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.</p> <p>-----</p> <p>-</p> <p>Codecov Copyright 2015 Codecov APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>Configparser MIT - See Appendix G</p> <p>-----</p> <p>coverage Copyright 2001 Gareth Rees. All rights reserved. Copyright 2004-2017 Ned Batchelder. All rights reserved. APACHE 2.0 - See Appendix E -</p> <p>-----</p> <p>decorator Copyright (c) 2005-2017, Michele Simionato 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 bytecode 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.</p> <p>THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>-----</p> <p>docutils</p> <p>=====</p> <p>Copying Docutils</p> <p>=====</p> <p>:Author: David Goodger :Contact: goodger@python.org :Date: \$Date: 2015-05-08 17:56:32 +0200 (Fr, 08 Mai 2015) \$:Web site: http://docutils.sourceforge.net/ :Copyright: This document has been placed in the public domain. Most of the files included in this project have been placed in the public domain, and therefore have no license requirements and no restrictions on copying or usage; see the `Public Domain Dedication`_ below. There are a few exceptions_, listed below. Files in the Sandbox_ are not distributed with Docutils releases and may have different license terms.</p> <p>Public Domain Dedication</p> <p>=====</p> <p>The persons who have associated their work with this project (the "Dedicator": David Goodger and the many contributors to the Docutils project) hereby dedicate the entire copyright, less the exceptions_ listed below, in the work of authorship known as "Docutils" identified below (the "Work") to the public domain. The primary repository for the Work is the Internet World Wide Web site <http://docutils.sourceforge.net/>. The Work consists of the files within the "docutils" module of the</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Docutils project Subversion repository (Internet host docutils.svn.sourceforge.net, filesystem path /svnroot/docutils), whose Internet web interface is located at <http://docutils.svn.sourceforge.net/viewvc/docutils/>. Files dedicated to the public domain may be identified by the inclusion, near the beginning of each file, of a declaration of the form:</p> <p>Copyright: This document/module/DTD/styleSheet/file/etc. has been placed in the public domain.</p> <p>Dedicator makes this dedication for the benefit of the public at large and to the detriment of Dedicator's heirs and successors. Dedicator intends this dedication to be an overt act of relinquishment in perpetuity of all present and future rights under copyright law, whether vested or contingent, in the Work.</p> <p>Dedicator understands that such relinquishment of all rights includes the relinquishment of all rights to enforce (by lawsuit or otherwise) those copyrights in the Work.</p> <p>Dedicator recognizes that, once placed in the public domain, the Work may be freely reproduced, distributed, transmitted, used, modified, built upon, or otherwise exploited by anyone for any purpose, commercial or non-commercial, and in any way, including by methods that have not yet been invented or conceived.</p> <p>(This dedication is derived from the text of the `Creative Commons Public Domain Dedication`. [#]_)</p> <p>.. [#] Creative Commons has `retired this legal tool`__ and does not recommend that it be applied to works: This tool is based on United States law and may not be applicable outside the US. For dedicating new works to the public domain, Creative Commons recommend the replacement Public Domain Dedication CC0_ (CC zero, "No Rights Reserved"). So does the Free Software Foundation in its license-list_.</p> <p>__ http://creativecommons.org/retiredlicenses .. _CC0: http://creativecommons.org/about/cc0</p> <p>Exceptions</p> <p>=====</p> <p>The exceptions to the `Public Domain Dedication`_ above are: * docutils/writers/s5_html/themes/default/iepngfix.htc: IE5.5+ PNG Alpha Fix v1.0 by Angus Turnbull <http://www.twinhelix.com>. Free usage permitted as</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>long as this notice remains intact. * docutils/ utils/math/__init__.py, docutils/utils/math/ latex2mathml.py, docutils/writers/xetex/ __init__.py, docutils/writers/latex2e/ docutils-05-compat.sty, docs/user/docutils-05- compat.sty.txt, docutils/utils/ error_reporting.py, docutils/test/transforms/ test_smartquotes.py: Copyright © Günter Milde. Released under the terms of the `2- Clause BSD license`_ (`local copy <licenses/ BSD-2-Clause.txt>`__). * docutils/utils/ smartquotes.py Copyright © 2011 Günter Milde, based on `SmartyPants`_ © 2003 John Gruber (released under a 3-Clause BSD license included in the file) and smartypants.py © 2004, 2007 Chad Miller. Released under the terms of the `2-Clause BSD license`_ (`local copy <licenses/BS-2- Clause.txt>`__). .. _SmartyPants: http:// daringfireball.net/projects/smartypants/ * docutils/utils/math/math2html.py, docutils/ writers/html4css1/math.css Copyright © Alex Fernández These files are part of eLyXer_, released under the `GNU General Public License`_ version 3 or later. The author relicensed them for Docutils under the terms of the `2-Clause BSD license`_ (`local copy <licenses/BS-2-Clause.txt>`__). .. _eLyXer: http://www.nongnu.org/elyxer/ * docutils/utils/ roman.py, copyright by Mark Pilgrim, released under the `Python 2.1.1 license`_ (`local copy`__). __ licenses/python-2-1-1.txt * tools/ editors/emacs/rst.el, copyright by Free Software Foundation, Inc., released under the `GNU General Public License`_ version 3 or later (`local copy`__). __ licenses/gpl-3-0.txt The `2-Clause BSD license`_ and the Python licenses are OSI-approved_and GPL- compatible_. Plaintext versions of all the linked-to licenses are provided in the licenses_ directory. .. _sandbox: http:// docutils.sourceforge.net/sandbox/ README.html .. _licenses: licenses/ .. _Python 2.1.1 license: http://www.python.org/ 2.1.1/license.html .. _GNU General Public License: http://www.gnu.org/copyleft/ gpl.html .. _2-Clause BSD license: http:// www.spdx.org/licenses/BS-2-Clause .. _OSI- approved: http://opensource.org/licenses/ .. _license-list: .. _GPL-compatible: http:// www.gnu.org/licenses/license-list.html</p> <p>----- enum-compat Author: Jakub Stasiak MIT - See Appendix G</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>-----</p> <p>enum34 Author: Ethan Furman Copyright (c) 2013, Ethan Furman. 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 Ethan Furman 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 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.</p> <p>-----</p> <p>eventlet Unless otherwise noted, the files in Eventlet are under the following MIT license: Copyright (c) 2005-2006, Bob Ippolito Copyright (c) 2007-2010, Linden Research, Inc. Copyright (c) 2008-2010, Eventlet Contributors MIT - See Appendix G</p> <p>-----</p> <p>Execnet MIT - See Appendix G</p> <p>-----</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>flake8 Copyright (C) 2011-2013 Tarek Ziade <tarek@ziade.org> Copyright (C) 2012-2016 Ian Cordasco graffatcolmingov@gmail.com MIT - See Appendix G</p> <p>-----</p> <p>flask Copyright (c) 2015 by Armin Ronacher and contributors. Some rights reserved. Redistribution and use in source and binary forms of the software as well as documentation, 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. * The names of the contributors may not be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE AND DOCUMENTATION 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 AND DOCUMENTATION, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.</p> <p>-----</p> <p>---</p> <p>funcsigs funcsigs is a derived work of CPython under the terms of the PSF License Agreement. The original CPython inspect module, its unit tests and documentation are the copyright of the Python Software</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Foundation. The derived work is distributed under the Apache License Version 2.0. PSF LICENSE AGREEMENT FOR PYTHON 3.6.3</p> <ol style="list-style-type: none"> 1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using Python 3.6.3 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 3.6.3 alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright © 2001-2017 Python Software Foundation; All Rights Reserved" are retained in Python 3.6.3 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 3.6.3 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 3.6.3. 4. PSF is making Python 3.6.3 available to Licensee on an "AS IS" basis. <p>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 3.6.3 WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.</p> <ol style="list-style-type: none"> 1. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON 3.6.3 FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 3.6.3, OR ANY DERIVATIVE THEREOF, EVEN IF

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>ADVISED OF THE POSSIBILITY THEREOF.</p> <ol style="list-style-type: none"> 2. This License Agreement will automatically terminate upon a material breach of its terms and conditions. 3. 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. 4. By copying, installing or otherwise using Python 3.6.3, Licensee agrees to be bound by the terms and conditions of this License Agreement. <p>-----</p> <p>greenlet The following files are derived from Stackless Python and are subject to the same license as Stackless Python: slp_platformselect.h files in platform/ directory See LICENSE.PSF and http://www.stackless.com/ for details. Unless otherwise noted, the files in greenlet have been released under the following MIT license: Copyright (c) Armin Rigo, Christian Tismer and contributors MIT - See Appendix G PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2</p> <p>-----</p> <ol style="list-style-type: none"> 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,

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>2007, 2008, 2009, 2010, 2011 Python Software Foundation; All Rights Reserved" are retained in Python alone or in any derivative version prepared by Licensee.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.</p> <p>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.</p> <p>8. By copying, installing or otherwise using Python, Licensee agrees to be bound by the terms and conditions of this License Agreement.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>-----</p> <p>html5lib Copyright (c) 2006-2013 James Graham and other contributors MIT - See Appendix G</p> <p>-----</p> <p>httpbin ISC License Copyright (c) 2017 Kenneth Reitz. 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.</p> <p>-----</p> <p>imagesize Copyright © 2016 Yoshiki Shibukawa MIT - See Appendix G</p> <p>-----</p> <p>itsdangerous Copyright (c) 2011 by Armin Ronacher and the Django Software Foundation. Some 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. * The names of the contributors may not be used to endorse or promote products derived from this software without specific prior written permission.</p> <p>THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>-----</p> <p>-----</p> <p>jinja2 Copyright (c) 2009 by the Jinja Team Some 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. * The names of the contributors 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 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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>-----</p> <p>-</p> <p>markupsafe Copyright (c) 2010 by Armin Ronacher and contributors. Some rights reserved. Redistribution and use in source and binary forms of the software as well as documentation, 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. * The names of the contributors may not be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE AND DOCUMENTATION 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 AND DOCUMENTATION, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.</p> <p>-----</p> <p>----</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>mccabe Copyright © <year> Ned Batchelder Copyright © 2011-2013 Tarek Ziade <tarek@ziade.org> Copyright © 2013 Florent Xicluna <florent.xicluna@gmail.com> Licensed under the terms of the Expat 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.</p> <p>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.</p> <p>----- -----</p> <p>mock Copyright (c) 2003-2013, Michael Foord & the mock team 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.</p> <p>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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>-----</p> <p>pbr APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>pluggy Copyright (c) 2015 holger krekel (rather uses bitbucket/hpk42) MIT - See Appendix G</p> <p>-----</p> <p>pyMIT - See Appendix G</p> <p>Copyright © 2006-2009 Johann C. Rocholl <johann@rocholl.net> Copyright © 2009-2014 Florent Xicluna <florent.xicluna@gmail.com> Copyright © 2014-2016 Ian Lee <IanLee1521@gmail.com> Licensed under the terms of the Expat 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.</p> <p>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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>-----</p> <p>pycodeflakes Copyright 2005-2011 Divmod, Inc. Copyright 2013-2014 Florent Xicluna MIT - See Appendix G</p> <p>-----</p> <p>pygments Copyright (c) 2006-2017 by the respective authors 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.</p> <p>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.</p> <p>-----</p> <p>--</p> <p>pytest Copyright (c) 2004-2017 Holger Krekel and others MIT - See Appendix G</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>---</p> <p>pytest-cov Copyright (c) 2010 Meme Dough MIT - See Appendix G</p> <p>-----</p> <p>pytest-forked MIT - See Appendix G</p> <p>-----</p> <p>pytest-httpbin Copyright (c) 2014-2015 Kevin McCarthy MIT - See Appendix G</p> <p>-----</p> <p>pytest-mock Copyright (c) [2016] [Bruno Oliveira] MIT - See Appendix G</p> <p>-----</p> <p>pytest-xdist MIT - See Appendix G</p> <p>-----</p> <p>pytz Copyright (c) 2003-2017 Stuart Bishop stuart@stuartbishop.net MIT - See Appendix G</p> <p>-----</p> <p>readme_renderer APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>six Copyright (c) 2010-2017 Benjamin Peterson MIT - See Appendix G</p> <p>-----</p> <p>snowballstemmer Copyright (c) 2013, Yoshiki Shibukawa 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.</p> <p>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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>----- ----- =====</p> <p>====</p> <p>sphinx License for Sphinx</p> <p>=====</p> <p>Copyright (c) 2007-2017 by the Sphinx team (see AUTHORS file). All rights reserved.</p> <p>Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <ul style="list-style-type: none"> * 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. <p>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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>Licenses for incorporated software</p> <p>=====</p> <p>The pgen2 package, included in this distribution under the name sphinx.pycode.pgen2, is available in the Python 2.6 distribution under the PSF license agreement for Python:</p> <p>-----</p> <p>Copyright © 2001-2008 Python Software Foundation; All Rights Reserved. PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2 -----</p> <ol style="list-style-type: none"> 1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using Python 2.6 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 2.6 alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright © 2001-2008 Python Software Foundation; All Rights Reserved" are retained in Python 2.6 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 2.6 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 2.6.

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>4. PSF is making Python 2.6 available to Licensee on an "AS IS" basis.</p> <p>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 2.6 WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.</p> <p>1. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON 2.6 FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 2.6, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.</p> <p>2. This License Agreement will automatically terminate upon a material breach of its terms and conditions.</p> <p>3. 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.</p> <p>4. By copying, installing or otherwise using Python 2.6, Licensee agrees to be bound by the terms and conditions of this License Agreement.</p> <p>----- ----- The included smartypants module, included as sphinx.util.smartypants, is available under the following license: ----- ----- SmartyPants_ license:: Copyright (c) 2003 John Gruber (https://daringfireball.net/projects/smartypants/) All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.</p> <p>* 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.</p> <p>* Neither the name "SmartyPants" 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.</p> <p>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.</p> <p>smartypants.py license:: smartypants.py is a derivative work of SmartyPants. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <p>* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.</p> <p>* 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 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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>-----</p> <p>The ElementTree package, included in this distribution in test/etree13, is available under the following license:</p> <p>-----</p> <p>The ElementTree toolkit is Copyright (c) 1999-2007 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.</p> <p>SECRET LABS AB AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY 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.</p> <p>-----</p> <p>The included JQuery JavaScript library is available under the MIT license: Copyright (c) 2008 John Resig, https://jquery.com/ MIT - See Appendix G</p> <p>-----</p> <p>The included Underscore JavaScript library is available under the MIT license: Copyright (c)</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>2009 Jeremy Ashkenas, DocumentCloud MIT - See Appendix G</p> <p>-----</p> <p>The included implementation of NumpyDocstring._parse_numpydoc_see_also_section was derived from code under the following license: Copyright (C) 2008 Stefan van der Walt <stefan@mentat.za.net>, Pauli Virtanen <pav@iki.fi> Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <p>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.</p> <p>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.</p> <p>=====</p> <p>=====</p> <p>===== tox</p> <p>MIT - See Appendix G</p> <p>-----</p> <p>virtualenv Copyright (c) 2007 Ian Bicking and Contributors Copyright (c) 2009 Ian Bicking, The Open Planning Project Copyright (c) 2011-2016 The virtualenv developers MIT - See Appendix G</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>-----</p> <p>webencodings Copyright (c) 2012 by Simon Sapin. Some rights reserved.</p> <p>Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <p>* 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.</p> <p>* The names of the contributors may not be used to endorse or promote products derived from this software without specific prior written permission.</p> <p>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.</p> <p>-----</p> <p>werkzeug Copyright (c) 2014 by the Werkzeug Team Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <p>* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. *</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>* The names of the contributors may not be used to endorse or promote products derived from this software without specific prior written permission.</p> <p>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.</p>
QOS.ch	SLF4J-1.7.25	<p>Licensed under The MIT License (MIT) and you may not use this file except in compliance with the License. The MIT License (MIT)- See Appendix G</p> <p>This software and sample code developed by QOS.ch and licensed under The MIT License (MIT).</p> <p>For more information on The MIT License (MIT), please see <https://opensource.org/licenses/MIT></p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
QOS.ch	SLF4J-1.7.26 SLF4J-1.7.29	Copyright (c) 2004-2017 QOS.ch All rights reserved. The MIT License (MIT)- See Appendix G ***** 4 th Party Dependencies: ***** ch.qos.cal10n call0n-api 0.8.1 Copyright (c) 2009 QOS.ch All rights reserved. The MIT License (MIT)- See Appendix G --- Apache Log4j » 1.2.17 COPYRIGHT: Copyright 2010 The Apache Software Foundation APACHE 2.0 - See Appendix E

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Pivotal Software, Inc	Spring Boot 2.1.1.RELEASE	<p>Copyright 2012-2018 the original author or authors. APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>Fourth party dependencies and their license info:</p> <p>-----</p> <p>1) org.springframework spring (APACHE 2.0) Copyright 2002-2018 the original author or authors. APACHE 2.0 - See Appendix E</p> <p>2) org.yaml snakeyaml 1.19 (APACHE 2.0) Copyright (c) 2008, http://www.snakeyaml.org APACHE 2.0 - See Appendix E</p> <p>3) com.fasterxml classmate:1.3.1 (APACHE 2.0) Copyright ©2009-2011 FasterXML, LLC. All rights reserved unless otherwise indicated. APACHE 2.0 - See Appendix E</p> <p>4) com.fasterxml.jackson (APACHE 2.0) Copyright ©2009-2011 FasterXML, LLC. All rights reserved unless otherwise indicated. APACHE 2.0 - See Appendix E</p> <p>5) io.projectreactor reactor (APACHE 2.0) Copyright (c) 2011-2016 Pivotal Software Inc, All Rights Reserved. APACHE 2.0 - See Appendix E</p> <p>6) org.apache.logging.log4j (APACHE 2.0) APACHE 2.0 - See Appendix E</p> <p>7) io.netty netty (APACHE 2.0) Copyright 2015 The Netty Project APACHE 2.0 - See Appendix E</p> <p>8) org.jboss.logging jboss-logging (APACHE 2.0) Copyright 2013 Red Hat, Inc. APACHE 2.0 - See Appendix E</p> <p>9) org.synchronoss.cloud nio-stream-storage nio-multipart-parser (APACHE 2.0) Copyright (C) 2015 Synchronoss Technologies APACHE 2.0 - See Appendix E</p> <p>10) org.hibernate.validator hibernate-validator (APACHE 2.0) APACHE 2.0 - See Appendix E</p> <p>11) io.micrometer micrometer (APACHE 2.0) Copyright 2017 Pivotal Software, Inc. APACHE 2.0 - See Appendix E</p>
Pivotal Software, Inc	Spring Boot 2.1.2	Copyright 2012-2018 the original author or authors. APACHE 2.0 - See Appendix E

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Pivotal Software, Inc	Spring Boot, Version: 2.1.7.RELEASE	<p>Copyright 2019 Pivotal Software, Inc. All Rights Reserved APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>SUBCOMPONENT #1: org.springframework.boot:spring-boot-starter-data-jpa -> 2.1.7.RELEASE</p> <p>SUBCOMPONENT #2: org.springframework.boot:spring-boot-starter-log4j2 -> 2.1.7.RELEASE</p> <p>SUBCOMPONENT #3: org.springframework.boot:spring-boot-dependencies:2.1.7.RELEASE</p> <p>SUBCOMPONENT #4: org.springframework.boot:spring-boot-starter-web -> 2.1.7.RELEASE</p> <p>SUBCOMPONENT #5: org.springframework.boot:spring-boot-starter-actuator -> 2.1.7.RELEASE</p> <p>SUBCOMPONENT #6: org.springframework.boot:spring-boot-starter-undertow -> 2.1.7.RELEASE</p> <p>COMMON COPYRIGHT © 2019 Pivotal Software, Inc. All Rights Reserved</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #1 com.fasterxml:classmate: 1.4.0</p> <p>FOURTH-PARTY DEPENDENCY #1 COPYRIGHT NOTICES Copyright © 2012-2018 fasterxml.com. All rights reserved. Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi) Other developers who have contributed code are: * Brian Langel</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #2 com.fasterxml.jackson.core:jackson-annotations:2.9.0</p> <p>FOURTH-PARTY DEPENDENCY #2 COPYRIGHT NOTICES Copyright © 2008-2017 FasterXML. All rights reserved.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #3 com.fasterxml.jackson.core:jackson-core:2.9.9</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #3 COPYRIGHT NOTICES /* Jackson JSON-processor. * * Copyright (c) 2007- Tatu Saloranta, tatu.saloranta@iki.fi */ # Jackson JSON processor Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com. ## Licensing Jackson core and extension components may licensed under different licenses. To find the details that apply to this artifact see the accompanying LICENSE file. For more information, including possible other licensing options, contact FasterXML.com (http://fasterxml.com). ## Credits A list of contributors may be found from CREDITS file, which is included in some artifacts (usually source distributions); but is always available from the source code management (SCM) system project uses. ----- FOURTH-PARTY DEPENDENCY #4 com.fasterxml.jackson.core:jackson-databind: 2.9.9.3 FOURTH-PARTY DEPENDENCY #4 COPYRIGHT NOTICES Copyright © 2008-2019 FasterXML. All rights reserved. ----- FOURTH-PARTY DEPENDENCY #5 com.fasterxml.jackson.datatype:jackson- datatype-jdk8:2.9.9 FOURTH-PARTY DEPENDENCY #6 com.fasterxml.jackson.datatype:jackson- datatype-jsr310:2.9.9</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #7 com.fasterxml.jackson.module:jackson-module-parameter-names:2.9.9 COMMON COPYRIGHT NOTICES Copyright © 2019 FasterXML. All rights reserved.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #8 com.zaxxer:HikariCP:3.2.0 FOURTH-PARTY DEPENDENCY #8 COPYRIGHT NOTICES Copyright (C) 2013, 2017 Brett Wooldridge APACHE 2.0 - See Appendix E Copyright (C) 2017 Brett Wooldridge APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #9 io.undertow:undertow-core:2.0.23.Final FOURTH-PARTY DEPENDENCY #10 io.undertow:undertow-servlet:2.0.23.Final FOURTH-PARTY DEPENDENCY #11 io.undertow:undertow-websockets-jsr:2.0.23.Final COMMON COPYRIGHT NOTICES Copyright © 2019 JBoss by Red Hat. All rights reserved.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #12 javax.validation:validation-api:2.0.1.Final FOURTH-PARTY DEPENDENCY #12 COPYRIGHT NOTICES Copyright © 2007-2017 Red Hat Inc. All Rights Reserved. Released under the Apache Software License 2.0. APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #13 net.bytebuddy:byte-buddy:1.9.16 FOURTH-PARTY DEPENDENCY #13 COPYRIGHT NOTICES Copyright © 2014-2019. All rights reserved.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #14 org.apache.logging.log4j:log4j-api:2.11.2 FOURTH-PARTY DEPENDENCY #15 org.apache.logging.log4j:log4j-core:2.11.2 FOURTH-PARTY DEPENDENCY #16 org.apache.logging.log4j:log4j-jul:2.11.2</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #17 org.apache.logging.log4j:log4j-slf4j-impl:2.11.2 COMMON COPYRIGHT NOTICES Copyright © 1999-2019 The Apache Software Foundation. All Rights Reserved. Apache Logging, Apache Log4j, Log4j, Apache, the Apache feather logo, the Apache Logging project logo, and the Apache Log4j logo are trademarks of The Apache Software Foundation. Apache log4j Copyright 2010 The Apache Software Foundation This product includes software developed at The Apache Software Foundation (http://www.apache.org/).</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #18 org.jboss.jandex:2.0.5.Final FOURTH-PARTY DEPENDENCY #18 COPYRIGHT NOTICE JBoss, Home of Professional Open Source. Copyright 2014 Red Hat, Inc., and individual contributors as indicated by the @author tags. APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #19 org.jboss.logging:jboss-logging:3.3.2.Final FOURTH-PARTY DEPENDENCY #19 COPYRIGHT NOTICE Copyright © 2015 Red Hat, Inc.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #20 org.springframework.boot:spring-boot-actuator:2.1.7.RELEASE FOURTH-PARTY DEPENDENCY #21 org.springframework.boot:spring-boot-actuator-autoconfigure:2.1.7.RELEASE FOURTH-PARTY DEPENDENCY #22 org.springframework.boot:spring-boot-autoconfigure:2.1.7.RELEASE FOURTH-PARTY DEPENDENCY #23 org.springframework.boot:spring-boot-starter:2.1.7.RELEASE FOURTH-PARTY DEPENDENCY #24 org.springframework.boot:spring-boot-starter-aop:2.1.7.RELEASE</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #25 org.springframework.boot:spring-boot-starter-jdbc:2.1.7.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #26 org.springframework.boot:spring-boot-starter-json:2.1.7.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #27 org.springframework.data:spring-data-commons:2.1.10.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #28 org.springframework.data:spring-data-jpa:2.1.10.RELEASE</p> <p>COMMON COPYRIGHT NOTICE Copyright © 2019 Pivotal Software, Inc.. All rights reserved.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #29 org.springframework:spring-aop:5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #30 org.springframework:spring-aspects:5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #31 org.springframework:spring-beans:5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #32 org.springframework:spring-context:5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #33 org.springframework:spring-core:5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #34 org.springframework:spring-expression:5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #35 org.springframework:spring-jcl:5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #36 org.springframework:spring-jdbc:5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #37 org.springframework:spring-orm:5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #38 org.springframework:spring-tx:5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #39 org.springframework:spring-web:5.1.9.RELEASE</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #40 org.springframework:spring-webmvc: 5.1.9.RELEASE</p> <p>COMMON COPYRIGHT NOTICE Copyright 2002-2019 the original author or authors.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #41 io.micrometer:micrometer-core:1.1.5</p> <p>FOURTH-PARTY DEPENDENCY #41 COPYRIGHT NOTICES © 2019 Pivotal Software, Inc. All Rights Reserved</p> <p>-----</p> <p>SUBCOMPONENT #1: org.springframework.boot:spring-boot-starter- data-jpa -> 2.1.7.RELEASE</p> <p>SUBCOMPONENT #2: org.springframework.boot:spring-boot-starter- log4j2 -> 2.1.7.RELEASE</p> <p>SUBCOMPONENT #3: org.springframework.boot:spring-boot- dependencies:2.1.7.RELEASE</p> <p>SUBCOMPONENT #4: org.springframework.boot:spring-boot-starter- web -> 2.1.7.RELEASE</p> <p>SUBCOMPONENT #5: org.springframework.boot:spring-boot-starter- actuator -> 2.1.7.RELEASE</p> <p>SUBCOMPONENT #6: org.springframework.boot:spring-boot-starter- undertow -> 2.1.7.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #1 com.fasterxml.classmate: 1.4.0</p> <p>FOURTH-PARTY DEPENDENCY #2 com.fasterxml.jackson.core:jackson- annotations:2.9.0</p> <p>FOURTH-PARTY DEPENDENCY #3 com.fasterxml.jackson.core:jackson-core:2.9.9</p> <p>FOURTH-PARTY DEPENDENCY #4 com.fasterxml.jackson.core:jackson-databind: 2.9.9.3</p> <p>FOURTH-PARTY DEPENDENCY #5 com.fasterxml.jackson.datatype:jackson- datatype-jdk8:2.9.9</p> <p>FOURTH-PARTY DEPENDENCY #6 com.fasterxml.jackson.datatype:jackson- datatype-jsr310:2.9.9</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #7 com.fasterxml.jackson.module:jackson-module-parameter-names:2.9.9</p> <p>FOURTH-PARTY DEPENDENCY #8 com.zaxxer:HikariCP:3.2.0</p> <p>FOURTH-PARTY DEPENDENCY #9 io.undertow:undertow-core:2.0.23.Final</p> <p>FOURTH-PARTY DEPENDENCY #10 io.undertow:undertow-servlet:2.0.23.Final</p> <p>FOURTH-PARTY DEPENDENCY #11 io.undertow:undertow-websockets-jsr:2.0.23.Final</p> <p>FOURTH-PARTY DEPENDENCY #12 javax.validation:validation-api:2.0.1.Final</p> <p>FOURTH-PARTY DEPENDENCY #13 net.bytebuddy:byte-buddy:1.9.16</p> <p>FOURTH-PARTY DEPENDENCY #14 org.apache.logging.log4j:log4j-api:2.11.2</p> <p>FOURTH-PARTY DEPENDENCY #15 org.apache.logging.log4j:log4j-core:2.11.2</p> <p>FOURTH-PARTY DEPENDENCY #16 org.apache.logging.log4j:log4j-jul:2.11.2</p> <p>FOURTH-PARTY DEPENDENCY #17 org.apache.logging.log4j:log4j-slf4j-impl:2.11.2</p> <p>FOURTH-PARTY DEPENDENCY #18 org.jboss:jandex:2.0.5.Final</p> <p>FOURTH-PARTY DEPENDENCY #19 org.jboss.logging:jboss-logging:3.3.2.Final</p> <p>FOURTH-PARTY DEPENDENCY #20 org.springframework.boot:spring-boot-actuator:2.1.7.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #21 org.springframework.boot:spring-boot-actuator-autoconfigure:2.1.7.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #22 org.springframework.boot:spring-boot-autoconfigure:2.1.7.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #23 org.springframework.boot:spring-boot-starter:2.1.7.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #24 org.springframework.boot:spring-boot-starter-aop:2.1.7.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #25 org.springframework.boot:spring-boot-starter-jdbc:2.1.7.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #26 org.springframework.boot:spring-boot-starter-json:2.1.7.RELEASE</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #27 org.springframework.data:spring-data-commons:2.1.10.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #28 org.springframework.data:spring-data-jpa:2.1.10.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #29 org.springframework:spring-aop:5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #30 org.springframework:spring-aspects:5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #31 org.springframework:spring-beans:5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #32 org.springframework:spring-context:5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #33 org.springframework:spring-core:5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #34 org.springframework:spring-expression:5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #35 org.springframework:spring-jcl:5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #36 org.springframework:spring-jdbc:5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #37 org.springframework:spring-orm:5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #38 org.springframework:spring-tx:5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #39 org.springframework:spring-web:5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #40 org.springframework:spring-webmvc:5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #41 io.micrometer:micrometer-core:1.1.5</p> <p>COMMON LICENSE NOTICE APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #42 antlr:antlr:2.7.7</p> <p>FOURTH-PARTY DEPENDENCY #42 LICENSE and COPYRIGHT NOTICES</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Copyright (c) 2012 Terence Parr and Sam Harwell</p> <p>All rights reserved.</p> <p>Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <p>Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #43 javax.activation:javax.activation-api:1.2.0</p> <p>FOURTH-PARTY DEPENDENCY #43 COPYRIGHT NOTICES</p> <p>Copyright © 2017 Oracle. All rights reserved.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #44 javax.annotation:javax.annotation-api:1.3.2</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #44 COPYRIGHT NOTICES Copyright © 2018 GlassFish Community. All Rights Reserved. -----</p> <p>FOURTH-PARTY DEPENDENCY #45 javax.servlet:javax.servlet-api:4.0.1 FOURTH-PARTY DEPENDENCY #45 COPYRIGHT NOTICES Copyright © 1999-2017, Oracle and/or its affiliates. All Rights Reserved. Use is subject to license terms. Portions Copyright © 1999-2002 The Apache Software Foundation. -----</p> <p>FOURTH-PARTY DEPENDENCY #46 javax.transaction:javax.transaction-api:1.3 FOURTH-PARTY DEPENDENCY #46 COPYRIGHT NOTICES Copyright © 1997-2018, Oracle and/or its affiliates. All Rights Reserved. Use is subject to license terms. -----</p> <p>FOURTH-PARTY DEPENDENCY #43 javax.activation:javax.activation-api:1.2.0 FOURTH-PARTY DEPENDENCY #44 javax.annotation:javax.annotation-api:1.3.2 FOURTH-PARTY DEPENDENCY #45 javax.servlet:javax.servlet-api:4.0.1 FOURTH-PARTY DEPENDENCY #46 javax.transaction:javax.transaction-api:1.3 COMMON LICENSE NOTICES GPL v2 - See Appendix A -----</p> <p>FOURTH-PARTY DEPENDENCY #47 javax.persistence:javax.persistence-api:2.2 FOURTH-PARTY DEPENDENCY #47 COPYRIGHT NOTICES Copyright © 2017. All Rights Reserved. FOURTH-PARTY DEPENDENCY #47 LICENSE NOTICE Eclipse Public License - v 1.0 - See Appendix J Eclipse Distribution License - v 1.0 Copyright (c) 2007, Eclipse Foundation, Inc. and its licensors. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>permitted provided that the following conditions are met:</p> <p>Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #48 org.dom4j:dom4j:2.1.1</p> <p>FOURTH-PARTY DEPENDENCY #48 COPYRIGHT and LICENSE NOTICES</p> <p>Copyright 2001-2016 (C) MetaStuff, Ltd. and DOM4J contributors. 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:</p> <ol style="list-style-type: none"> 1. Redistributions of source code must retain copyright statements and notices.

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Redistributions must also contain a copy of this document.</p> <ol style="list-style-type: none"> 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 "DOM4J" must not be used to endorse or promote products derived from this Software without prior written permission of MetaStuff, Ltd. For written permission, please contact dom4j-info@metastuff.com. 4. Products derived from this Software may not be called "DOM4J" nor may "DOM4J" appear in their names without prior written permission of MetaStuff, Ltd. DOM4J is a registered trademark of MetaStuff, Ltd. 5. Due credit should be given to the DOM4J Project - https://dom4j.github.io/ <p>THIS SOFTWARE IS PROVIDED BY METASTUFF, LTD. AND CONTRIBUTORS ``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 METASTUFF, LTD. 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.</p> <p>-----</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #49 org.hdrhistogram:HdrHistogram:2.1.9 FOURTH-PARTY DEPENDENCY #49 COPYRIGHT NOTICE Copyright © 2016. All rights reserved. FOURTH-PARTY DEPENDENCY #49 LICENSE NOTICE</p> <p>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.</p> <p>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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>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:</p> <p>the right to reproduce, adapt, distribute, perform, display, communicate, and translate a Work;</p> <p>moral rights retained by the original author(s) and/or performer(s);</p> <p>publicity and privacy rights pertaining to a person's image or likeness depicted in a Work;</p> <p>rights protecting against unfair competition in regards to a Work, subject to the limitations in paragraph 4(a), below;</p> <p>rights protecting the extraction, dissemination, use and reuse of data in a Work;</p> <p>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</p> <p>other similar, equivalent or corresponding rights throughout the world based on applicable law or treaty, and any national implementations thereof.</p> <p>1. 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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>2. 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.</p> <p>3. Limitations and Disclaimers.</p> <p>No trademark or patent rights held by Affirmer are waived, abandoned, surrendered, licensed or otherwise affected by this document.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Affirmer offers the Work as-is and makes no representations or warranties of any kind concerning the Work, express, implied, statutory or otherwise, including without limitation warranties of title, merchantability, fitness for a particular purpose, non infringement, or the absence of latent or other defects, accuracy, or the present or absence of errors, whether or not discoverable, all to the greatest extent permissible under applicable law.</p> <p>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.</p> <p>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.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #50 org.hibernate.common:hibernate-commons-annotations:5.0.4.Final</p> <p>FOURTH-PARTY DEPENDENCY #51 org.hibernate:hibernate-core:5.3.10.Final</p> <p>COMMON COPYRIGHT and LICENSE NOTICE</p> <p>LGPL 2.1 - See Appendix T</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #52 org.hibernate.validator:hibernate-validator:6.0.17.Final</p> <p>FOURTH-PARTY DEPENDENCY #52 COPYRIGHT NOTICE</p> <p>Copyright 2009 IIZUKA Software Technologies Ltd</p> <p>FOURTH-PARTY DEPENDENCY #52 LICENSE NOTICE</p> <p>APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #53 org.slf4j:jul-to-slf4j:1.7.26</p> <p>FOURTH-PARTY DEPENDENCY #54 org.slf4j:slf4j-api:1.7.26</p> <p>COMMON COPYRIGHT NOTICES and LICENSE TEXT</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Copyright (c) 2004-2017 QOS.ch All rights reserved. MIT License - See Appendix G -----</p> <p>FOURTH-PARTY DEPENDENCY #55 org.javassist:javassist:3.23.2-GA FOURTH-PARTY DEPENDENCY #55 COPYRIGHT NOTICE Copyright (C) 2000-2015 by Shigeru Chiba, All rights reserved. FOURTH-PARTY DEPENDENCY #55 LICENSE The Original Code is Javassist. The Initial Developer of the Original Code is Shigeru Chiba. Portions created by the Initial Developer are Copyright (C) 1999- Shigeru Chiba. All Rights Reserved. Contributor(s): __Bill Burke, Jason T. Greene_____ APACHE 2.0 - See Appendix E -----</p> <p>FOURTH-PARTY DEPENDENCY #56 org.jboss.spec.javax.annotation:jboss-annotations-api_1.2_spec:1.0.2.Final FOURTH-PARTY DEPENDENCY #57 org.jboss.spec.javax.websocket:jboss-websocket-api_1.1_spec:1.1.4.Final COMMON COPYRIGHT AND LICENSE GPL v2 - See Appendix A -----</p> <p>FOURTH-PARTY DEPENDENCY #58 org.jboss.xnio:xnio-api:3.3.8.Final FOURTH-PARTY DEPENDENCY #58 COPYRIGHT NOTICE Copyright © 2014 JBoss, a division of Red Hat, Inc. FOURTH-PARTY DEPENDENCY #58 LICENSE NOTICE Creative Commons Legal Code CC0 1.0 Universal CREATIVE COMMONS CORPORATION IS NOT A LAW FIRM AND DOES NOT PROVIDE LEGAL SERVICES. DISTRIBUTION OF THIS DOCUMENT DOES NOT CREATE AN ATTORNEY-CLIENT RELATIONSHIP. CREATIVE COMMONS PROVIDES THIS INFORMATION ON AN "AS-IS" BASIS. CREATIVE COMMONS</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>Statement of Purpose</p> <p>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.</p> <p>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:</p> <ul style="list-style-type: none"> i. the right to reproduce, adapt, distribute, perform, display, communicate, and translate a Work;

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>ii. moral rights retained by the original author(s) and/or performer(s);</p> <p>iii. publicity and privacy rights pertaining to a person's image or likeness depicted in a Work;</p> <p>iv. rights protecting against unfair competition in regards to a Work, subject to the limitations in paragraph 4(a), below;</p> <p>v. rights protecting the extraction, dissemination, use and reuse of data in a Work;</p> <p>vi. database rights (such as those arising under Directive 96/9/EC of the European Parliament and of the Council of 11 March 1996 on the legal protection of databases, and under any national implementation thereof, including any amended or successor version of such directive); and</p> <p>vii. other similar, equivalent or corresponding rights throughout the world based on applicable law or treaty, and any national implementations thereof.</p> <p>1. 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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>1. 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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>express Statement of Purpose.</p> <p>1. Limitations and Disclaimers.</p> <p>a. No trademark or patent rights held by Affirmer are waived, abandoned, surrendered, licensed or otherwise affected by this document.</p> <p>b. Affirmer offers the Work as-is and makes no representations or warranties of any kind concerning the Work, express, implied, statutory or otherwise, including without limitation warranties of title, merchantability, fitness for a particular purpose, non infringement, or the absence of latent or other defects, accuracy, or the present or absence of errors, whether or not discoverable, all to the greatest extent permissible under applicable law.</p> <p>c. Affirmer disclaims responsibility for clearing rights of other persons that may apply to the Work or any use thereof, including without limitation any person's Copyright and Related Rights in the Work. Further, Affirmer disclaims responsibility for obtaining any necessary consents, permissions or other rights required for any use of the Work.</p> <p>d. Affirmer understands and acknowledges that Creative Commons is not a party to this document and has no duty or obligation with respect to this CC0 or use of the Work.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #59 org.latencyutils:LatencyUtils:2.0.3 FOURTH-PARTY DEPENDENCY #59 COPYRIGHT NOTICE Copyright © 2015. All rights reserved. FOURTH-PARTY DEPENDENCY #59 LICENSE CREATIVE COMMONS CORPORATION IS NOT A LAW FIRM AND DOES NOT PROVIDE LEGAL SERVICES. DISTRIBUTION OF THIS DOCUMENT DOES</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>Statement of Purpose</p> <p>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").</p> <p>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.</p> <p>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.</p> <p>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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Rights include, but are not limited to, the following:</p> <p>the right to reproduce, adapt, distribute, perform, display, communicate, and translate a Work;</p> <p>moral rights retained by the original author(s) and/or performer(s);</p> <p>publicity and privacy rights pertaining to a person's image or likeness depicted in a Work;</p> <p>rights protecting against unfair competition in regards to a Work, subject to the limitations in paragraph 4(a), below;</p> <p>rights protecting the extraction, dissemination, use and reuse of data in a Work;</p> <p>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</p> <p>other similar, equivalent or corresponding rights throughout the world based on applicable law or treaty, and any national implementations thereof.</p> <p>1. 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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>by the public as contemplated by Affirmer's express Statement of Purpose.</p> <p>2. 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.</p> <p>3. Limitations and Disclaimers.</p> <p>No trademark or patent rights held by Affirmer are waived, abandoned, surrendered, licensed or otherwise affected by this document.</p> <p>Affirmer offers the Work as-is and makes no representations or warranties of any kind concerning the Work, express, implied, statutory or otherwise, including without limitation warranties of title, merchantability, fitness for a particular purpose, non infringement, or the absence of latent or other defects, accuracy, or the present or absence of errors, whether or not discoverable, all to</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>the greatest extent permissible under applicable law.</p> <p>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.</p> <p>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.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #60 org.aspectj:aspectjweaver:1.9.4 FOURTH-PARTY DEPENDENCY #60 COPYRIGHT NOTICE (C) Copyright 1999-2001 Xerox Corporation, 2002 Palo Alto Research Center, Incorporated (PARC), 2003-2019 Contributors. All Rights Reserved FOURTH-PARTY DEPENDENCY #60 License Eclipse Public License 1.0 - See Appendix J</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #61 org.glassfish:javax.el:3.0.0 FOURTH-PARTY DEPENDENCY #61 COPYRIGHT NOTICE Copyright (c) 2013 Oracle and/or its affiliates. All Rights Reserved. Use is subject to license terms. FOURTH-PARTY DEPENDENCY #61 LICENSE NetBeans IDE Dual License Header and License Notice Oracle elects to use only the GNU Lesser General Public License version 2.1 (LGPL) for any software where a choice of LGPL/GPL license versions are made available with the language indicating that LGPLv2.1/GPLv2 or any later version may be used, or where a choice of which version of the LGPL/GPL is applied is unspecified. For more information on the license please see: the NetBeans License FAQs. Common Development and Distribution License (CDDL) 1.0 - See Appendix M</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		GPL v2 - See Appendix A

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Apache 2.0	Spring Boot 2.2.2.RELEASE	<p>APACHE 2.0 - See Appendix E Eclipse Public License - v 2.0 - See Appendix Y Eclipse Public License - v 1.0 - See Appendix J Eclipse Distribution License - v 1.0 Copyright (c) 2007, Eclipse Foundation, Inc. and its licensors. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. Neither the name of the Eclipse Foundation, Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.</p> <p>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.</p> <p>The MIT License - See Appendix G CC0 1.0 Universal (CC0 1.0) Public Domain Dedication</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>This is a human-readable summary of the Legal Code (read the full text). Disclaimer</p> <p>No Copyright</p> <p>The person who associated a work with this deed has dedicated the work to the public domain by waiving all of his or her rights to the work worldwide under copyright law, including all related and neighboring rights, to the extent allowed by law.</p> <p>You can copy, modify, distribute and perform the work, even for commercial purposes, all without asking permission. See Other Information below.</p> <p>This license is acceptable for Free Cultural Works.</p> <p>Other Information</p> <p>In no way are the patent or trademark rights of any person affected by CC0, nor are the rights that other persons may have in the work or in how the work is used, such as publicity or privacy rights.</p> <p>Unless expressly stated otherwise, the person who associated a work with this deed makes no warranties about the work, and disclaims liability for all uses of the work, to the fullest extent permitted by applicable law.</p> <p>When using or citing the work, you should not imply endorsement by the author or the affirmer.</p> <p>The 2-Clause BSD License</p> <p>SPDX short identifier: BSD-2-Clause</p> <p>Further resources on the 2-clause BSD license</p> <p>OSI Approved License Logo</p> <p>Note: This license has also been called the "Simplified BSD License" and the "FreeBSD License". See also the 3-clause BSD License.</p> <p>Copyright <YEAR> <COPYRIGHT HOLDER></p> <p>Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <ol style="list-style-type: none"> 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. <p>THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>JZlib 0.0.* were released under the GNU LGPL license. Later, we have switched over to a BSD-style license.</p> <p>-----</p> <p>Copyright (c) 2000-2011 ymnk, JCraft,Inc. All rights reserved.</p> <p>BSD License- See Appendix N</p> <p>ASM is released under the following 3-Clause BSD License:</p> <p>ASM: a very small and fast Java bytecode manipulation framework</p> <p>Copyright (c) 2000-2011 INRIA, France Telecom</p> <p>All rights reserved.</p> <p>BSD License- See Appendix N</p>
Pivotal Software, Inc	Spring Boot 2.2.4.RELEASE	<p>APACHE 2.0 - See Appendix E</p> <p>spring-core 5.2.3</p> <p>Copyright 2002-2019 the original author or authors.</p> <p>APACHE 2.0 - See Appendix E</p> <p>spring-context 5.2.3</p> <p>Copyright 2002-2019 the original author or authors.</p> <p>APACHE 2.0 - See Appendix E</p>
Pivotal Software, Inc	spring-boot-actuator 2.1.2	APACHE 2.0 - See Appendix E
Pivotal Software, Inc	spring-boot-autoconfigure 2.2.4	APACHE 2.0 - See Appendix E

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Pivotal Software Inc.	Spring-boot-starter 2.1.7	APACHE 2.0 - See Appendix E

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Pivotal Software Inc.	Spring-boot-starter 2.2.4	<p>APACHE 2.0 - See Appendix E Eclipse Public License - v 2.0 - See Appendix Y</p> <p>-----</p> <p>https://www.gnu.org/software/classpath/license.html</p> <p>Classpath::License</p> <p>Classpath is distributed under the terms of the GNU General Public License with the following clarification and special exception.</p> <p>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.</p> <p>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.</p> <p>As such, it can be used to run, create and distribute a large class of applications and applets. When GNU Classpath is used unmodified as the core class library for a virtual machine, compiler for the java language, or for a program written in the java programming language it does not affect the licensing for distributing those programs directly.</p> <p>Classpath::Documentation Redistribution Policy</p> <p>GNU Documentation is unique because of our attitude towards it. We believe the reader should be free to copy and redistribute it, just like our software. Originally, all our documentation was released under a short Copyleft license, or under the GNU General Public License (GPL) itself; in 2001 the Free Documentation License (FDL) was created to address certain needs that were not met by licenses originally designed for software.</p> <p>-----</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>4th Party Dependencies(Apache 2.0): ----- spring-core 5.2.3 spring-boot 2.2.4 spring-boot-autoconfigure 2.2.4 spring-boot-starter-logging 2.2.4 Copyright 2002-2019 the original author or authors Licensed under the Apache License, Version 2.0 (the "License"); APACHE 2.0 - See Appendix E snakeyaml 1.25 Copyright (c) 2008, http://www.snakeyaml.org APACHE 2.0 - See Appendix E jakarta.annotation:jakarta.annotation-api:jar:1.3.5 (License : EPC V2.0 and GPL2 w/ CPE) Copyright (c) 2009, 2018 Oracle and/or its affiliates. All rights reserved. Eclipse Public License - v 2.0 - See Appendix Y SPDX-License-Identifier: EPL-2.0 OR GPL-2.0 WITH Classpath-exception-2.0</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Pivotal Software, Inc	spring-boot-starter-actuator 2.1.7.RELEASE	<p>Copyright 2019 Pivotal Software, Inc. All Rights Reserved APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #1 com.fasterxml.jackson.core:jackson-annotations:2.9.0</p> <p>FOURTH-PARTY DEPENDENCY #1 COPYRIGHT NOTICES Copyright © 2008-2017 FasterXML. All rights reserved.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #2 com.fasterxml.jackson.core:jackson-core:2.9.9</p> <p>FOURTH-PARTY DEPENDENCY #2 COPYRIGHT NOTICES Jackson JSON-processor. Copyright (c) 2007- Tatu Saloranta, tatu.saloranta@iki.fi # Jackson JSON processor Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.</p> <p>## Licensing Jackson core and extension components may licensed under different licenses. To find the details that apply to this artifact see the accompanying LICENSE file. For more information, including possible other licensing options, contact FasterXML.com (http://fasterxml.com).</p> <p>## Credits A list of contributors may be found from CREDITS file, which is included in some artifacts (usually source distributions); but is always available from the source code management (SCM) system project uses.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #3 com.fasterxml.jackson.core:jackson-databind:2.9.9.3</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #3 COPYRIGHT NOTICES Copyright © 2008-2019 FasterXML. All rights reserved. -----</p> <p>FOURTH-PARTY DEPENDENCY #4 com.fasterxml.jackson.datatype:jackson-datatype-jsr310:2.9.9 COMMON COPYRIGHT NOTICES Copyright © 2019 FasterXML. All rights reserved. -----</p> <p>FOURTH-PARTY DEPENDENCY #5 io.micrometer:micrometer-core:1.1.5 FOURTH-PARTY DEPENDENCY #5 COPYRIGHT NOTICES © 2019 Pivotal Software, Inc. All Rights Reserved -----</p> <p>FOURTH-PARTY DEPENDENCY #6 org.springframework.boot:spring-boot:2.1.7.RELEASE FOURTH-PARTY DEPENDENCY #7 org.springframework.boot:spring-boot-actuator:2.1.7.RELEASE FOURTH-PARTY DEPENDENCY #8 org.springframework.boot:spring-boot-actuator-autoconfigure:2.1.7.RELEASE FOURTH-PARTY DEPENDENCY #9 org.springframework.boot:spring-boot-autoconfigure:2.1.7.RELEASE FOURTH-PARTY DEPENDENCY #10 org.springframework.boot:spring-boot-starter:2.1.7.RELEASE COMMON COPYRIGHT NOTICE Copyright © 2019 Pivotal Software, Inc.. All rights reserved. -----</p> <p>FOURTH-PARTY DEPENDENCY #11 org.springframework:spring-aop:5.1.9.RELEASE FOURTH-PARTY DEPENDENCY #12 org.springframework:spring-beans:5.1.9.RELEASE FOURTH-PARTY DEPENDENCY #13 org.springframework:spring-context:5.1.9.RELEASE</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #14 org.springframework:spring-core: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #15 org.springframework:spring-expression: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #16 org.springframework:spring-jcl: 5.1.9.RELEASE</p> <p>COMMON COPYRIGHT NOTICE Copyright 2002-2019 the original author or authors. -----</p> <p>FOURTH-PARTY DEPENDENCY #17 org.yaml:snakeyaml:1.23</p> <p>FOURTH-PARTY DEPENDENCY #17 COPYRIGHT NOTICES Copyright (c) 2008, http://www.snakeyaml.org APACHE 2.0 - See Appendix E Copyright 2003-2010 Christian d'Heureuse, Inventec Informatik AG, Zurich, Switzerland www.source-code.biz, www.inventec.ch/chdh This module is multi-licensed and may be used under the terms of any of the following licenses: EPL, Eclipse Public License, V1.0 or later, http://www.eclipse.org/legal LGPL, GNU Lesser General Public License, V2.1 or later, http://www.gnu.org/licenses/ lgpl.html GPL, GNU General Public License, V2 or later, http://www.gnu.org/licenses/gpl.html AL, Apache License, V2.0 or later, http:// www.apache.org/licenses BSD, BSD License, http:// www.opensource.org/licenses/bsd-license.php Please contact the author if you need another license. This module is provided "as is", without warranties of any kind. Oracle elects the Apache 2.0 License. APACHE 2.0 - See Appendix E Copyright (c) 2008 Google Inc. APACHE 2.0 - See Appendix E -----</p> <p>FOURTH-PARTY DEPENDENCY #1 com.fasterxml.jackson.core:jackson- annotations:2.9.0</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #2 com.fasterxml.jackson.core:jackson-core:2.9.9</p> <p>FOURTH-PARTY DEPENDENCY #3 com.fasterxml.jackson.core:jackson-databind: 2.9.9.3</p> <p>FOURTH-PARTY DEPENDENCY #4 com.fasterxml.jackson.datatype:jackson- datatype-jsr310:2.9.9</p> <p>FOURTH-PARTY DEPENDENCY #5 io.micrometer:micrometer-core:1.1.5</p> <p>FOURTH-PARTY DEPENDENCY #6 org.springframework.boot:spring-boot: 2.1.7.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #7 org.springframework.boot:spring-boot- actuator:2.1.7.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #8 org.springframework.boot:spring-boot- actuator-autoconfigure:2.1.7.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #9 org.springframework.boot:spring-boot- autoconfigure:2.1.7.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #10 org.springframework.boot:spring-boot-starter: 2.1.7.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #11 org.springframework:spring-aop: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #12 org.springframework:spring-beans: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #13 org.springframework:spring-context: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #14 org.springframework:spring-core: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #15 org.springframework:spring-expression: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #16 org.springframework:spring-jcl: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #17 org.yaml:snakeyaml:1.23</p> <p>COMMON LICENSE NOTICE APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #19 org.hdrhistogram:HdrHistogram:2.1.9</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #19 COPYRIGHT NOTICE</p> <p>Copyright © 2016. All rights reserved.</p> <p>FOURTH-PARTY DEPENDENCY #19 LICENSE NOTICE</p> <p>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.</p> <p>Statement of Purpose</p> <p>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").</p> <p>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.</p> <p>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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>and Related Rights in the Work and the meaning and intended legal effect of CC0 on those rights.</p> <p>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:</p> <p>the right to reproduce, adapt, distribute, perform, display, communicate, and translate a Work;</p> <p>moral rights retained by the original author(s) and/or performer(s);</p> <p>publicity and privacy rights pertaining to a person's image or likeness depicted in a Work;</p> <p>rights protecting against unfair competition in regards to a Work, subject to the limitations in paragraph 4(a), below;</p> <p>rights protecting the extraction, dissemination, use and reuse of data in a Work;</p> <p>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</p> <p>other similar, equivalent or corresponding rights throughout the world based on applicable law or treaty, and any national implementations thereof.</p> <p>1. 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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>2. 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.</p> <p>3. Limitations and Disclaimers.</p> <p>No trademark or patent rights held by Affirmer are waived, abandoned, surrendered, licensed or otherwise affected by this document.</p> <p>Affirmer offers the Work as-is and makes no representations or warranties of any kind</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>concerning the Work, express, implied, statutory or otherwise, including without limitation warranties of title, merchantability, fitness for a particular purpose, non infringement, or the absence of latent or other defects, accuracy, or the present or absence of errors, whether or not discoverable, all to the greatest extent permissible under applicable law.</p> <p>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.</p> <p>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.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #20 org.latencyutils:LatencyUtils:2.0.3</p> <p>FOURTH-PARTY DEPENDENCY #20 COPYRIGHT NOTICE</p> <p>Copyright © 2015. All rights reserved.</p> <p>FOURTH-PARTY DEPENDENCY #20 LICENSE</p> <p>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.</p> <p>Statement of Purpose</p> <p>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").</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>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.</p> <p>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:</p> <p>the right to reproduce, adapt, distribute, perform, display, communicate, and translate a Work;</p> <p>moral rights retained by the original author(s) and/or performer(s);</p> <p>publicity and privacy rights pertaining to a person's image or likeness depicted in a Work;</p> <p>rights protecting against unfair competition in regards to a Work, subject to the limitations in paragraph 4(a), below;</p> <p>rights protecting the extraction, dissemination, use and reuse of data in a Work;</p> <p>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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>amended or successor version of such directive); and</p> <p>other similar, equivalent or corresponding rights throughout the world based on applicable law or treaty, and any national implementations thereof.</p> <ol style="list-style-type: none"> <li data-bbox="881 537 1380 1360">1. 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. <li data-bbox="881 1381 1380 1896">2. 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

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>3. Limitations and Disclaimers.</p> <p>No trademark or patent rights held by Affirmer are waived, abandoned, surrendered, licensed or otherwise affected by this document.</p> <p>Affirmer offers the Work as-is and makes no representations or warranties of any kind concerning the Work, express, implied, statutory or otherwise, including without limitation warranties of title, merchantability, fitness for a particular purpose, non infringement, or the absence of latent or other defects, accuracy, or the present or absence of errors, whether or not discoverable, all to the greatest extent permissible under applicable law.</p> <p>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.</p> <p>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.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Pivotal Software, Inc	spring-boot-starter-actuator 2.2.4.RELEASE	<p>Copyright 2012-2020 the original author or authors.</p> <p>spring-boot-starter-actuator:jar:2.2.4 APACHE License 2.0 - See Appendix E</p> <p>-----</p> <p>org.springframework.boot:spring-boot-actuator-autoconfigure:jar:2.2.4.RELEASE org.springframework.boot:spring-boot-actuator:jar:2.2.4.RELEASE org.springframework.boot:spring-boot-autoconfigure:jar:2.2.4.RELEASE org.springframework.boot:spring-boot-parent:pom:2.2.4.RELEASE org.springframework.boot:spring-boot-starter-actuator:jar:2.2.4.RELEASE org.springframework.boot:spring-boot-starter-logging:jar:2.2.4.RELEASE org.springframework.boot:spring-boot-starter:jar:2.2.4.RELEASE org.springframework.boot:spring-boot-starters:pom:2.2.4.RELEASE org.springframework.boot:spring-boot:jar:2.2.4.RELEASE org.springframework:spring-aop:jar:5.2.3.RELEASE org.springframework:spring-beans:jar:5.2.3.RELEASE org.springframework:spring-context:jar:5.2.3.RELEASE org.springframework:spring-core:jar:5.2.3.RELEASE org.springframework:spring-expression:jar:5.2.3.RELEASE org.springframework:spring-jcl:jar:5.2.3.RELEASE</p> <p>Copyright 2012-2020 the original author or authors.</p> <p>Apache License 2.0</p> <p>-----</p> <p>ch.qos.logback:logback-classic:jar:1.2.3 ch.qos.logback:logback-core:jar:1.2.3 ch.qos.logback:logback-parent:pom:1.2.3</p> <p>Copyright (C) 1999-2015, QOS.ch. All rights reserved.</p> <p>EPL 1.0 LGPL 2.1 Eclipse Public License 1.0 - See Appendix J</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>GNU Lesser General Public License Version 2.1, February 1999 Copyright (C) 1991, 1999 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. GNU General Public License, Version 2 (GPL-2.1) - See Appendix B</p> <p>-----</p> <p>org.slf4j:jul-to-slf4j:jar:1.7.30 org.slf4j:slf4j-api:jar:1.7.30 org.slf4j:slf4j-parent:pom:1.7.30 Copyright (c) 2004-2017 QOS.ch MIT License - See Appendix G</p> <p>-----</p> <p>jakarta.annotation:ca-parent:pom:1.3.5 jakarta.annotation:jakarta.annotation-api:jar:1.3.5 Copyright (c) 2012, 2019 Oracle and/or its affiliates Eclipse Public License - v 2.0 - See Appendix Y</p> <p>-----</p> <p>org.apache.logging.log4j:log4j-api:jar:2.12.1 org.apache.logging.log4j:log4j-to-slf4j:jar:2.12.1 org.apache.logging.log4j:log4j:pom:2.12.1 Copyright 1999-2019 Apache Software Foundation Apache License 2.0</p> <p>-----</p> <p>com.fasterxml.jackson.core:jackson-annotations:jar:2.10.2 com.fasterxml.jackson.core:jackson-core:jar:2.10.2 com.fasterxml.jackson.core:jackson-databind:jar:2.10.2 com.fasterxml.jackson.datatype:jackson-datatype-jsr310:jar:2.10.2 com.fasterxml.jackson.module:jackson-modules-java8:pom:2.10.2 Copyright (c) Tatu Saloranta, Brian Langel, Nick Telford Copyright (c) 2007- Tatu Saloranta, tatu.saloranta@iki.fi</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Copyright (c) 2013 FasterXML.com Apache License 2.0 ----- com.fasterxml.jackson:jackson-base:pom:2.10.2 Copyright (c) 2000-2011 INRIA, France Telecom Copyright (c) 2016-2019 FasterXML Apache License 2.0 ----- io.micrometer:micrometer-core:jar:1.3.2 Copyright 2018 Pivotal Software, Inc. Apache License 2.0 ----- org.hdrhistogram:HdrHistogram:jar:2.1.11 Copyright (c) 2012, 2013, 2014, 2015, 2016 Gil Tene Copyright (c) 2014 Michael Barker Copyright (c) 2014 Matt Warren BSD 2-clause CC0 1.0 Note: This license has also been called the "Simplified BSD License" and the "FreeBSD License". See also the 3-clause BSD 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:</p> <ol style="list-style-type: none"> 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. <p>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,</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>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.</p> <p>Statement of Purpose</p> <p>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").</p> <p>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.</p> <p>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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>"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.</p> <p>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:</p> <ul style="list-style-type: none"> 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. <p>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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>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.</p> <p>4. Limitations and Disclaimers.</p> <p>No trademark or patent rights held by Affirmer are waived, abandoned, surrendered, licensed or otherwise affected by this document.</p> <p>Affirmer offers the Work as-is and makes no representations or warranties of any kind concerning the Work, express, implied, statutory or otherwise, including without limitation warranties of title, merchantability, fitness for a particular purpose, non infringement, or the absence of latent or other defects, accuracy, or the present or absence of errors, whether or not discoverable, all to</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>the greatest extent permissible under applicable law.</p> <p>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.</p> <p>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.</p> <p>-----</p> <p>org.latencyutils:LatencyUtils:jar:2.0.3 Copyright (c) 2012, 2013, 2014 Gil Tene CC0 1.0</p> <p>-----</p> <p>org.yaml:snakeyaml:jar:1.25 Copyright (c) 2008, http://www.snakeyaml.org Apache License 2.0</p> <p>Original submission below:</p> <p>org.springframework.boot:spring-boot-starter-actuator:2.2.4.RELEASE 4th party dependency tree:</p> <pre>+--- org.springframework.boot:spring-boot-starter-actuator:2.2.4.RELEASE +--- org.springframework.boot:spring-boot-starter:2.2.4.RELEASE (*) +--- org.springframework.boot:spring-boot-actuator-autoconfigure:2.2.4.RELEASE +--- org.springframework.boot:spring-boot-actuator:2.2.4.RELEASE +--- org.springframework.boot:spring-boot:2.2.4.RELEASE (*) \--- com.fasterxml.jackson.datatype:jackson-datatype-jsr310:2.10.2 (*) +--- org.springframework.boot:spring-boot-autoconfigure:2.2.4.RELEASE (*) +--- com.fasterxml.jackson.core:jackson-databind:2.10.2 (*) +--- org.springframework:spring-core:5.2.3.RELEASE (*) +--- org.springframework:spring-context:5.2.3.RELEASE (*) \--- com.fasterxml.jackson.datatype:jackson-datatype-jsr310:2.10.2 (*)</pre>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<pre> \--- io.micrometer:micrometer-core:1.3.2 +--- org.hdrhistogram:HdrHistogram:2.1.11 \--- org.latencyutils:LatencyUtils:2.0.3 © 2019 Pivotal Software, Inc. All Rights Reserved ----- TOP-LEVEL LICENSE TEXT for org.springframework.boot:spring-boot-starter-actuator:jar:2.2.2.RELEASE:compile Apache License, Version 2.0 - See Appendix E ----- separator----- [FOURTH-PARTY DEPENDENCY #01] +- org.springframework.boot:spring-boot-starter:jar:2.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #02] +- io.micrometer:micrometer-core:jar:1.3.1:compile [FOURTH-PARTY DEPENDENCY #03] +- org.hdrhistogram:HdrHistogram:2.1.11:compile [FOURTH-PARTY DEPENDENCY #04] \- org.latencyutils:LatencyUtils:2.0.3:compile [FOURTH-PARTY DEPENDENCY #05] +- org.springframework.boot:spring-boot-actuator-autoconfigure:jar:2.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #06] +- org.springframework:spring-core:jar:5.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #07] +- org.springframework:spring-jcl:jar:5.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #08] +- org.springframework:spring-context:jar:5.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #09] +- org.springframework:spring-aop:jar:5.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #10] +- org.springframework:spring-beans:jar:5.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #11] +- org.springframework:spring-expression:jar:5.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #12] +- org.springframework.boot:spring-boot-actuator:jar:2.2.2.RELEASE:compile </pre>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>[FOURTH-PARTY DEPENDENCY #13] + com.fasterxml.jackson.datatype:jackson- datatype-jsr310:jar:2.10.1:compile</p> <p>[FOURTH-PARTY DEPENDENCY #14] + com.fasterxml.jackson.core:jackson- annotations:jar:2.10.1:compile</p> <p>[FOURTH-PARTY DEPENDENCY #15] + org.springframework.boot:spring-boot:jar: 2.2.2.RELEASE:compile</p> <p>[FOURTH-PARTY DEPENDENCY #16] + com.fasterxml.jackson.core:jackson- databind:jar:2.10.1:compile</p> <p>[FOURTH-PARTY DEPENDENCY #17] + com.fasterxml.jackson.core:jackson-core: 2.10.1:compile</p> <p>[FOURTH-PARTY DEPENDENCY #18] \- org.springframework.boot:spring-boot- autoconfigure:jar:2.2.2.RELEASE:compile</p> <p>-----</p> <p>[FOURTH-PARTY DEPENDENCY #01] org.springframework.boot:spring-boot- starter:jar:2.2.2.RELEASE:compile</p> <p>[FOURTH-PARTY DEPENDENCY #01] COPYRIGHT NOTICE</p> <p>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 https://www.apache.org/licenses/LICENSE-2.0</p> <p>-----</p> <p>[FOURTH-PARTY DEPENDENCY #02] io.micrometer:micrometer-core:jar: 1.3.1:compile</p> <p>[FOURTH-PARTY DEPENDENCY #02] COPYRIGHT NOTICE</p> <p>Copyright 2019 Pivotal Software, Inc.</p> <p>-----</p> <p>[FOURTH-PARTY DEPENDENCY #03] org.hdrhistogram:HdrHistogram: 2.1.11:compile</p> <p>[FOURTH-PARTY DEPENDENCY #03] COPYRIGHT NOTICE</p> <p>Written by Gil Tene of Azul Systems, and released to the public domain, as explained at http://creativecommons.org/ publicdomain/zero/1.0/</p> <p>-----</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>[FOURTH-PARTY DEPENDENCY #04] org.latencyutils:LatencyUtils:2.0.3:compile</p> <p>[FOURTH-PARTY DEPENDENCY #04] COPYRIGHT NOTICE</p> <p>Written by Gil Tene of Azul Systems, and released to the public domain, as explained at http://creativecommons.org/publicdomain/zero/1.0/</p> <p>-----</p> <p>[FOURTH-PARTY DEPENDENCY #05] org.springframework.boot:spring-boot-actuator-autoconfigure:jar:2.2.2.RELEASE:compile</p> <p>[FOURTH-PARTY DEPENDENCY #05] COPYRIGHT NOTICE</p> <p>Copyright 2012-2019 the original author or authors.</p> <p>Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License.</p> <p>You may obtain a copy of the License at https://www.apache.org/licenses/LICENSE-2.0</p> <p>-----</p> <p>[FOURTH-PARTY DEPENDENCY #06] org.springframework:spring-core:jar:5.2.2.RELEASE:compile</p> <p>[FOURTH-PARTY DEPENDENCY #06] COPYRIGHT NOTICE</p> <p>Copyright 2002-2019 the original author or authors.</p> <p>Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License.</p> <p>You may obtain a copy of the License at https://www.apache.org/licenses/LICENSE-2.0</p> <p>-----</p> <p>Common Copyright Notice for 7, 8, 9, 10, 11, 12</p> <p>[FOURTH-PARTY DEPENDENCY #07] org.springframework:spring-jcl:jar:5.2.2.RELEASE:compile</p> <p>[FOURTH-PARTY DEPENDENCY #08] org.springframework:spring-context:jar:5.2.2.RELEASE:compile</p> <p>[FOURTH-PARTY DEPENDENCY #09] org.springframework:spring-aop:jar:5.2.2.RELEASE:compile</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>[FOURTH-PARTY DEPENDENCY #10] org.springframework:spring-beans:jar: 5.2.2.RELEASE:compile</p> <p>[FOURTH-PARTY DEPENDENCY #11] org.springframework:spring-expression:jar: 5.2.2.RELEASE:compile</p> <p>[FOURTH-PARTY DEPENDENCY #12] org.springframework.boot:spring-boot- actuator:jar:2.2.2.RELEASE:compile</p> <p>[FOURTH-PARTY DEPENDENCY #07, 08, 09, 10, 11, 12] COPYRIGHT NOTICE</p> <p>Copyright 2002-2019 the original author or authors.</p> <p>Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License.</p> <p>You may obtain a copy of the License at https://www.apache.org/licenses/LICENSE-2.0 -----</p> <p>[FOURTH-PARTY DEPENDENCY #13] com.fasterxml.jackson.datatype:jackson- datatype-jsr310:jar:2.10.1:compile</p> <p>[FOURTH-PARTY DEPENDENCY #13] COPYRIGHT NOTICE</p> <p>Copyright 2013 FasterXML.com</p> <p>Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License.</p> <p>You may obtain a copy of the License at https://www.apache.org/licenses/LICENSE-2.0 -----</p> <p>[FOURTH-PARTY DEPENDENCY #14] com.fasterxml.jackson.core:jackson- annotations:jar:2.10.1:compile</p> <p>[FOURTH-PARTY DEPENDENCY #14] COPYRIGHT NOTICE</p> <p>This copy of Jackson JSON processor annotations is licensed under the Apache (Software) License, version 2.0 ("the License").</p> <p>See the License for details about distribution rights, and the specific rights regarding derivate works.</p> <p>You may obtain a copy of the License at: http://www.apache.org/licenses/LICENSE-2.0 -----</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>[FOURTH-PARTY DEPENDENCY #15] org.springframework.boot:spring-boot:jar: 2.2.2.RELEASE:compile</p> <p>[FOURTH-PARTY DEPENDENCY #15] COPYRIGHT NOTICE</p> <p>Copyright 2002-2019 the original author or authors.</p> <p>Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License.</p> <p>You may obtain a copy of the License at https://www.apache.org/licenses/LICENSE-2.0</p> <p>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.</p> <p>-----</p> <p>[FOURTH-PARTY DEPENDENCY #16] com.fasterxml.jackson.core:jackson-databind:jar:2.10.1:compile</p> <p>[FOURTH-PARTY DEPENDENCY #16] COPYRIGHT NOTICE</p> <p>This copy of Jackson JSON processor databind module is licensed under the Apache (Software) License, version 2.0 ("the License").</p> <p>See the License for details about distribution rights, and the specific rights regarding derivate works.</p> <p>You may obtain a copy of the License at: http://www.apache.org/licenses/LICENSE-2.0</p> <p>-----</p> <p>[FOURTH-PARTY DEPENDENCY #17] com.fasterxml.jackson.core:jackson-core:2.10.1:compile</p> <p>[FOURTH-PARTY DEPENDENCY #17] COPYRIGHT NOTICE</p> <p>Jackson JSON-processor.</p> <p>Copyright (c) 2007- Tatu Saloranta, tatu.saloranta@iki.fi</p> <p>-----</p> <p>[FOURTH-PARTY DEPENDENCY #18] \- org.springframework.boot:spring-boot-autoconfigure:jar:2.2.2.RELEASE:compile</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>[FOURTH-PARTY DEPENDENCY #18] COPYRIGHT NOTICE</p> <p>Copyright 2002-2019 the original author or authors.</p> <p>Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License.</p> <p>You may obtain a copy of the License at https://www.apache.org/licenses/LICENSE-2.0</p> <p>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.</p> <p>-----</p> <p>Common License Notice for Apache 2.0</p> <p>[FOURTH-PARTY DEPENDENCY #01] org.springframework.boot:spring-boot-starter:jar:2.2.2.RELEASE:compile</p> <p>[FOURTH-PARTY DEPENDENCY #02] io.micrometer:micrometer-core:jar:1.3.1:compile</p> <p>[FOURTH-PARTY DEPENDENCY #05] org.springframework.boot:spring-boot-actuator-autoconfigure:jar:2.2.2.RELEASE:compile</p> <p>[FOURTH-PARTY DEPENDENCY #06] org.springframework:spring-core:jar:5.2.2.RELEASE:compile</p> <p>[FOURTH-PARTY DEPENDENCY #07] org.springframework:spring-jcl:jar:5.2.2.RELEASE:compile</p> <p>[FOURTH-PARTY DEPENDENCY #08] org.springframework:spring-context:jar:5.2.2.RELEASE:compile</p> <p>[FOURTH-PARTY DEPENDENCY #09] org.springframework:spring-aop:jar:5.2.2.RELEASE:compile</p> <p>[FOURTH-PARTY DEPENDENCY #10] org.springframework:spring-beans:jar:5.2.2.RELEASE:compile</p> <p>[FOURTH-PARTY DEPENDENCY #11] org.springframework:spring-expression:jar:5.2.2.RELEASE:compile</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>[FOURTH-PARTY DEPENDENCY #12] org.springframework.boot:spring-boot-actuator:jar:2.2.2.RELEASE:compile</p> <p>[FOURTH-PARTY DEPENDENCY #13] com.fasterxml.jackson.datatype:jackson-datatype-jsr310:jar:2.10.1:compile</p> <p>[FOURTH-PARTY DEPENDENCY #14] com.fasterxml.jackson.core:jackson-annotations:jar:2.10.1:compile</p> <p>[FOURTH-PARTY DEPENDENCY #15] org.springframework.boot:spring-boot:jar:2.2.2.RELEASE:compile</p> <p>[FOURTH-PARTY DEPENDENCY #16] com.fasterxml.jackson.core:jackson-databind:jar:2.10.1.RELEASE:compile</p> <p>[FOURTH-PARTY DEPENDENCY #17] com.fasterxml.jackson.core:jackson-core:2.10.1:compile</p> <p>[FOURTH-PARTY DEPENDENCY #18] org.springframework.boot:spring-boot-autoconfigure:jar:2.2.2.RELEASE:compile</p> <p>Apache License, Version 2.0 - See Appendix E</p> <p>-----</p> <p>Common License Notice for CC0 1.0</p> <p>[FOURTH-PARTY DEPENDENCY #03] org.hdrhistogram:HdrHistogram: 2.1.11:compile</p> <p>[FOURTH-PARTY DEPENDENCY #04] org.latencyutils:LatencyUtils:2.0.3:compile</p> <p>Creative Commons Legal Code CC0 1.0 Universal</p> <p>-----</p> <p>Common License Notice for Clause-3 BSD:</p> <p>[FOURTH-PARTY DEPENDENCY #06] org.springframework:spring-core:jar: 5.2.2.RELEASE:compile</p> <p>Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <ol style="list-style-type: none"> 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

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>to endorse or promote products derived from this software without specific prior written permission.</p> <p>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.</p> <p>-----</p> <p>===== OLDER LICENSE (2.1.8) and COPYRIGHT NOTICE BELOW THIS POINT =====</p> <p>TOP-LEVEL COPYRIGHT NOTICE for org.springframework.boot:spring-boot-starter-actuator -> 2.1.8.RELEASE</p> <p>© 2019 Pivotal Software, Inc. All Rights Reserved</p> <p>-----</p> <p>TOP-LEVEL LICENSE TEXT for org.springframework.boot:spring-boot-starter-actuator -> 2.1.7.RELEASE</p> <p>Apache License, Version 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #1 com.fasterxml.jackson.core:jackson-annotations:2.9.0</p> <p>FOURTH-PARTY DEPENDENCY #1 COPYRIGHT NOTICES</p> <p>Copyright © 2008–2017 FasterXML. All rights reserved.</p> <p>-----</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #2 com.fasterxml.jackson.core:jackson-core:2.9.9</p> <p>FOURTH-PARTY DEPENDENCY #2 COPYRIGHT NOTICES</p> <p>Jackson JSON-processor. Copyright (c) 2007- Tatu Saloranta, tatu.saloranta@iki.fi</p> <p>Jackson JSON processor Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.</p> <p>Licensing Jackson core and extension components may licensed under different licenses. To find the details that apply to this artifact see the accompanying LICENSE file. For more information, including possible other licensing options, contact FasterXML.com (http://fasterxml.com).</p> <p>Credits A list of contributors may be found from CREDITS file, which is included in some artifacts (usually source distributions); but is always available from the source code management (SCM) system project uses.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #3 com.fasterxml.jackson.core:jackson-databind: 2.9.9.3</p> <p>FOURTH-PARTY DEPENDENCY #3 COPYRIGHT NOTICES</p> <p>Copyright © 2008–2019 FasterXML. All rights reserved.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #4 com.fasterxml.jackson.datatype:jackson- datatype-jsr310:2.9.9</p> <p>COMMON COPYRIGHT NOTICES Copyright © 2019 FasterXML. All rights reserved.</p> <p>-----</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #5 io.micrometer:micrometer-core:1.1.5</p> <p>FOURTH-PARTY DEPENDENCY #5 COPYRIGHT NOTICES © 2019 Pivotal Software, Inc. All Rights Reserved -----</p> <p>FOURTH-PARTY DEPENDENCY #6 org.springframework.boot:spring-boot:2.2.0.BUILD-SNAPSHOT</p> <p>FOURTH-PARTY DEPENDENCY #7 org.springframework.boot:spring-boot-actuator:2.2.0.BUILD-SNAPSHOT</p> <p>FOURTH-PARTY DEPENDENCY #8 org.springframework.boot:spring-boot-actuator-autoconfigure:2.2.0.BUILD-SNAPSHOT</p> <p>FOURTH-PARTY DEPENDENCY #9 org.springframework.boot:spring-boot-autoconfigure:2.2.0.BUILD-SNAPSHOT</p> <p>FOURTH-PARTY DEPENDENCY #10 org.springframework.boot:spring-boot-starter:2.2.0.BUILD-SNAPSHOT</p> <p>COMMON COPYRIGHT NOTICE Copyright © 2019 Pivotal Software, Inc.. All rights reserved. -----</p> <p>FOURTH-PARTY DEPENDENCY #11 org.springframework:spring-aop:5.2.0.BUILD-SNAPSHOT</p> <p>FOURTH-PARTY DEPENDENCY #12 org.springframework:spring-beans:5.2.0.BUILD-SNAPSHOT</p> <p>FOURTH-PARTY DEPENDENCY #13 org.springframework:spring-context:5.2.0.BUILD-SNAPSHOT</p> <p>FOURTH-PARTY DEPENDENCY #14 org.springframework:spring-core:5.2.0.BUILD-SNAPSHOT</p> <p>FOURTH-PARTY DEPENDENCY #15 org.springframework:spring-expression:5.2.0.BUILD-SNAPSHOT</p> <p>FOURTH-PARTY DEPENDENCY #16 org.springframework:spring-jcl:5.2.0.BUILD-SNAPSHOT</p> <p>COMMON COPYRIGHT NOTICE Copyright 2002-2019 the original author or authors. -----</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #17 org.yaml:snakeyaml:1.23</p> <p>FOURTH-PARTY DEPENDENCY #17 COPYRIGHT NOTICES</p> <p>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</p> <p>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.</p> <p>See the License for the specific language governing permissions and limitations under the License.</p> <p>Copyright 2003-2010 Christian d'Heureuse, Inventec Informatik AG, Zurich, Switzerland www.source-code.biz, www.inventec.ch/chdh</p> <p>This module is multi-licensed and may be used under the terms of any of the following licenses:</p> <p>EPL, Eclipse Public License, V1.0 or later, http://www.eclipse.org/legal</p> <p>LGPL, GNU Lesser General Public License, V2.1 or later, http://www.gnu.org/licenses/lgpl.html</p> <p>GPL, GNU General Public License, V2 or later, http://www.gnu.org/licenses/gpl.html</p> <p>AL, Apache License, V2.0 or later, http://www.apache.org/licenses</p> <p>BSD, BSD License, http://www.opensource.org/licenses/bsd-license.php</p> <p>Please contact the author if you need another license.</p> <p>Copyright (c) 2008 Google Inc. -----</p> <p>FOURTH-PARTY DEPENDENCY #1 com.fasterxml.jackson.core:jackson-annotations:2.9.0</p> <p>FOURTH-PARTY DEPENDENCY #2 com.fasterxml.jackson.core:jackson-core:2.9.9.3</p> <p>FOURTH-PARTY DEPENDENCY #3 com.fasterxml.jackson.core:jackson-databind:2.9.9.3</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #4 com.fasterxml.jackson.datatype:jackson-datatype-jsr310:2.9.9</p> <p>FOURTH-PARTY DEPENDENCY #5 io.micrometer:micrometer-core:1.1.5</p> <p>FOURTH-PARTY DEPENDENCY #6 org.springframework.boot:spring-boot:2.2.0.BUILD-SNAPSHOT</p> <p>FOURTH-PARTY DEPENDENCY #7 org.springframework.boot:spring-boot-actuator:2.2.0.BUILD-SNAPSHOT</p> <p>FOURTH-PARTY DEPENDENCY #8 org.springframework.boot:spring-boot-actuator-autoconfigure:2.2.0.BUILD-SNAPSHOT</p> <p>FOURTH-PARTY DEPENDENCY #9 org.springframework.boot:spring-boot-autoconfigure:2.2.0.BUILD-SNAPSHOT</p> <p>FOURTH-PARTY DEPENDENCY #10 org.springframework.boot:spring-boot-starter:2.2.0.BUILD-SNAPSHOT</p> <p>FOURTH-PARTY DEPENDENCY #11 org.springframework:spring-aop:5.2.0.BUILD-SNAPSHOT</p> <p>FOURTH-PARTY DEPENDENCY #12 org.springframework:spring-beans:5.2.0.BUILD-SNAPSHOT</p> <p>FOURTH-PARTY DEPENDENCY #13 org.springframework:spring-context:5.2.0.BUILD-SNAPSHOT</p> <p>FOURTH-PARTY DEPENDENCY #14 org.springframework:spring-core:5.2.0.BUILD-SNAPSHOT</p> <p>FOURTH-PARTY DEPENDENCY #15 org.springframework:spring-expression:5.2.0.BUILD-SNAPSHOT</p> <p>FOURTH-PARTY DEPENDENCY #16 org.springframework:spring-jcl:5.2.0.BUILD-SNAPSHOT</p> <p>FOURTH-PARTY DEPENDENCY #17 org.yaml:snakeyaml:1.23</p> <p>COMMON LICENSE NOTICE Apache License, Version 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #19 org.hdrhistogram:HdrHistogram:2.1.11</p> <p>FOURTH-PARTY DEPENDENCY #19 COPYRIGHT NOTICE Copyright © 2016. All rights reserved.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		FOURTH-PARTY DEPENDENCY #20 LICENSE See Appendix U

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Pivotal Software, Inc	spring-boot-starter-data-jpa 2.1.7.RELEASE	<p>Copyright 2019 Pivotal Software, Inc. All Rights Reserved APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #1 com.fasterxml:classmate: 1.4.0 FOURTH-PARTY DEPENDENCY #1 COPYRIGHT NOTICES Copyright © 2012-2018 fasterxml.com. All rights reserved. Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi) Other developers who have contributed code are: * Brian Langel</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #2 com.zaxxer:HikariCP:3.2.0 FOURTH-PARTY DEPENDENCY #2 COPYRIGHT NOTICES Copyright (C) 2013, 2017 Brett Wooldridge APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #3 org.springframework.boot:spring-boot:2.1.7.RELEASE FOURTH-PARTY DEPENDENCY #4 org.springframework.boot:spring-boot-autoconfigure:2.1.7.RELEASE FOURTH-PARTY DEPENDENCY #5 org.springframework.boot:spring-boot-starter:2.1.7.RELEASE FOURTH-PARTY DEPENDENCY #6 org.springframework.boot:spring-boot-starter-aop:2.1.7.RELEASE FOURTH-PARTY DEPENDENCY #7 org.springframework.boot:spring-boot-starter-jdbc:2.1.7.RELEASE FOURTH-PARTY DEPENDENCY #8 org.springframework.data:spring-data-commons:2.1.10.RELEASE FOURTH-PARTY DEPENDENCY #9 org.springframework.data:spring-data-jpa:2.1.10.RELEASE COMMON COPYRIGHT NOTICE Copyright © 2019 Pivotal Software, Inc.. All rights reserved.</p> <p>-----</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #10 org.springframework:spring-aop: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #11 org.springframework:spring-aspects: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #12 org.springframework:spring-beans: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #13 org.springframework:spring-context: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #14 org.springframework:spring-core: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #15 org.springframework:spring-jdbc: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #16 org.springframework:spring-orm: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #17 org.springframework:spring-tx:5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #17A org.springframework:spring-expression: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #17B org.springframework:spring-jcl: 5.1.9.RELEASE</p> <p>COMMON COPYRIGHT NOTICE Copyright 2002-2019 the original author or authors. -----</p> <p>FOURTH-PARTY DEPENDENCY #17C org.yaml:snakeyaml:1.23</p> <p>FOURTH-PARTY DEPENDENCY #17C COPYRIGHT NOTICES Copyright (c) 2008, http://www.snakeyaml.org APACHE 2.0 - See Appendix E Copyright 2003-2010 Christian d'Heureuse, Inventec Informatik AG, Zurich, Switzerland www.source-code.biz, www.inventec.ch/chdh This module is multi-licensed and may be used under the terms of any of the following licenses: EPL, Eclipse Public License, V1.0 or later, http://www.eclipse.org/legal</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p> LGPL, GNU Lesser General Public License, V2.1 or later, http://www.gnu.org/licenses/lgpl.html GPL, GNU General Public License, V2 or later, http://www.gnu.org/licenses/gpl.html AL, Apache License, V2.0 or later, http://www.apache.org/licenses BSD, BSD License, http://www.opensource.org/licenses/bsd-license.php Please contact the author if you need another license. This module is provided "as is", without warranties of any kind. Oracle elects the Apache 2.0 license. APACHE 2.0 - See Appendix E Copyright (c) 2008 Google Inc. APACHE 2.0 - See Appendix E ----- FOURTH-PARTY DEPENDENCY #1 com.fasterxml:classmate: 1.4.0 FOURTH-PARTY DEPENDENCY #2 com.zaxxer:HikariCP:3.2.0 FOURTH-PARTY DEPENDENCY #3 org.springframework.boot:spring-boot: 2.1.7.RELEASE FOURTH-PARTY DEPENDENCY #4 org.springframework.boot:spring-boot-autoconfigure:2.1.7.RELEASE FOURTH-PARTY DEPENDENCY #5 org.springframework.boot:spring-boot-starter: 2.1.7.RELEASE FOURTH-PARTY DEPENDENCY #6 org.springframework.boot:spring-boot-starter-aop:2.1.7.RELEASE FOURTH-PARTY DEPENDENCY #7 org.springframework.boot:spring-boot-starter-jdbc:2.1.7.RELEASE FOURTH-PARTY DEPENDENCY #8 org.springframework.data:spring-data-commons:2.1.10.RELEASE FOURTH-PARTY DEPENDENCY #9 org.springframework.data:spring-data-jpa: 2.1.10.RELEASE FOURTH-PARTY DEPENDENCY #10 org.springframework:spring-aop: 5.1.9.RELEASE FOURTH-PARTY DEPENDENCY #11 org.springframework:spring-aspects: 5.1.9.RELEASE </p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #12 org.springframework:spring-beans: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #13 org.springframework:spring-context: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #14 org.springframework:spring-core: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #15 org.springframework:spring-jdbc: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #16 org.springframework:spring-orm: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #17 org.springframework:spring-tx:5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #17A org.springframework:spring-expression: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #17B org.springframework:spring-jcl: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #17C org.yaml:snakeyaml:1.23</p> <p>COMMON COPYRIGHT NOTICE APACHE 2.0 - See Appendix E -----</p> <p>FOURTH-PARTY DEPENDENCY #18 antlr:antlr:2.7.7</p> <p>FOURTH-PARTY DEPENDENCY #18 LICENSE and COPYRIGHT NOTICES Copyright (c) 2012 Terence Parr and 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: 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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>promote products derived from this software without specific prior written permission.</p> <p>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.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #19 javax.activation:javax.activation-api:1.2.0 FOURTH-PARTY DEPENDENCY #19 COPYRIGHT NOTICES Copyright © 2017 Oracle. All rights reserved.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #21 javax.transaction:javax.transaction-api:1.3 FOURTH-PARTY DEPENDENCY #21 COPYRIGHT NOTICES Copyright © 1997-2018, Oracle and/or its affiliates. All Rights Reserved. Use is subject to license terms.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #21A javax.xml.bind:jaxb-api:2.3.1 FOURTH-PARTY DEPENDENCY #21A COPYRIGHT NOTICES Copyright © 2004-2017 Oracle</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #19 javax.activation:javax.activation-api:1.2.0 FOURTH-PARTY DEPENDENCY #21 javax.transaction:javax.transaction-api:1.3</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #21A javax.xml.bind:jaxb-api:2.3.1 COMMON LICENSE NOTICES GPL v2 - See Appendix A</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #22 javax.persistence:javax.persistence-api:2.2 FOURTH-PARTY DEPENDENCY #22 COPYRIGHT NOTICES Copyright © 2017. All Rights Reserved. FOURTH-PARTY DEPENDENCY #22 LICENSE NOTICE Eclipse Public License 1.0 - See Appendix J Eclipse Distribution License - v 1.0 Copyright (c) 2007, Eclipse Foundation, Inc. and its licensors. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. Neither the name of the Eclipse Foundation, Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #23 org.dom4j:dom4j:2.1.1</p> <p>FOURTH-PARTY DEPENDENCY #23 COPYRIGHT and LICENSE NOTICES</p> <p>Copyright 2001-2016 (C) MetaStuff, Ltd. and DOM4J contributors. All Rights Reserved.</p> <p>Redistribution and use of this software and associated documentation ("Software"), with or without modification, are permitted provided that the following conditions are met:</p> <ol style="list-style-type: none"> 1. Redistributions of source code must retain copyright <p>statements and notices. Redistributions must also contain a</p> <p>copy of this document.</p> <ol style="list-style-type: none"> 1. Redistributions in binary form must reproduce the <p>above copyright notice, this list of conditions and the</p> <p>following disclaimer in the documentation and/or other</p> <p>materials provided with the distribution.</p> <ol style="list-style-type: none"> 1. The name "DOM4J" must not be used to endorse or promote <p>products derived from this Software without</p> <p>prior written</p> <p>permission of MetaStuff, Ltd. For written</p> <p>permission,</p> <p>please contact dom4j-info@metastuff.com.</p> <ol style="list-style-type: none"> 1. Products derived from this Software may not be called "DOM4J" <p>nor may "DOM4J" appear in their names</p> <p>without prior written</p> <p>permission of MetaStuff, Ltd. DOM4J is a</p> <p>registered</p> <p>trademark of MetaStuff, Ltd.</p> <ol style="list-style-type: none"> 1. Due credit should be given to the DOM4J Project - https://dom4j.github.io/

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>THIS SOFTWARE IS PROVIDED BY METASTUFF, LTD. AND CONTRIBUTORS ``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 METASTUFF, LTD. 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.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #24 org.hibernate.common:hibernate-commons-annotations:5.0.4.Final</p> <p>FOURTH-PARTY DEPENDENCY #24 org.hibernate:hibernate-core:5.3.10.Final</p> <p>COMMON COPYRIGHT and LICENSE NOTICE</p> <p>LGPL v2.1 - See Appendix T</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #25 org.slf4j:slf4j-api:1.7.26</p> <p>COMMON COPYRIGHT NOTICES and LICENSE TEXT</p> <p>Copyright (c) 2004-2017 QOS.ch</p> <p>All rights reserved.</p> <p>MIT License - See Appendix G</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #26 org.javassist:javassist:3.23.2-GA</p> <p>FOURTH-PARTY DEPENDENCY #26 COPYRIGHT NOTICE</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Copyright (C) 2000-2015 by Shigeru Chiba, All rights reserved.</p> <p>FOURTH-PARTY DEPENDENCY #26 LICENSE</p> <p>MOZILLA PUBLIC LICENSE</p> <p>Version 1.1</p> <p>Definitions.</p> <ol style="list-style-type: none"> 1. 1. "Commercial Use" means distribution or otherwise making the Covered Code available to a third party. 2. "Contributor" means each entity that creates or contributes to the creation of Modifications. 3. "Contributor Version" means the combination of the Original Code, prior Modifications used by a Contributor, and the Modifications made by that particular Contributor. 4. "Covered Code" means the Original Code or Modifications or the combination of the Original Code and Modifications, in each case including portions thereof. 5. "Electronic Distribution Mechanism" means a mechanism generally accepted in the software development community for the electronic transfer of data. 6. "Executable" means Covered Code in any form other than Source Code. 7. "Initial Developer" means the individual or entity identified as the Initial Developer in the Source Code notice required by Exhibit A. 8. "Larger Work" means a work which combines Covered Code or portions thereof with code not governed by the terms of this License. 9. "License" means this document. <ol style="list-style-type: none"> a. "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. 10. "Modifications" means any addition to or deletion from the substance or structure of either the Original Code or any

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>previous Modifications. When Covered Code is released as a series of files, a Modification is:</p> <p>A. Any addition to or deletion from the contents of a file containing Original Code or previous Modifications.</p> <p>B. Any new file that contains any part of the Original Code or previous Modifications.</p> <p>11. "Original Code" means Source Code of computer software code which is described in the Source Code notice required by Exhibit A as Original Code, and which, at the time of its release under this License is not already Covered Code governed by this License.</p> <p>a. 10.1. "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.</p> <p>12. "Source Code" means the preferred form of the Covered Code for making modifications to it, including all modules it contains, plus any associated interface definition files, scripts used to control compilation and installation of an Executable, or source code differential comparisons against either the Original Code or another well known, available Covered Code of the Contributor's choice. The Source Code can be in a compressed or archival form, provided the appropriate decompression or de-archiving software is widely available for no charge.</p> <p>13. "You" (or "Your") means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License or a future version of this License issued under Section 6.1. 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.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>1. Source Code License.</p> <p>a. 1. The Initial Developer Grant. The Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license, subject to third party intellectual property claims:</p> <p>(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 Code (or portions thereof) with or without Modifications, and/or as part of a Larger Work; and</p> <p>(b) under Patents Claims infringed by the making, using or selling of Original Code, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Code (or portions thereof).</p> <p>(c) the licenses granted in this Section 2.1(a) and (b) are effective on the date Initial Developer first distributes Original Code under the terms of this License.</p> <p>(d) Notwithstanding Section 2.1(b) above, no patent license is granted: 1) for code that You delete from the Original Code; 2) separate from the Original Code; or 3) for infringements caused by: i) the modification of the Original Code or ii) the combination of the Original Code with other software or devices.</p> <p>2. Contributor Grant. Subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license</p> <p>(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 Code and/or as part of a Larger Work; and</p> <p>(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>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).</p> <p>(c) the licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first makes Commercial Use of the Covered Code.</p> <p>(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) separate from the Contributor Version; 3) 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 4) under Patent Claims infringed by Covered Code in the absence of Modifications made by that Contributor.</p> <p>1. Distribution Obligations.</p> <p>a. Application of License. The Modifications which You create or to which You contribute are governed by the terms of this License, including without limitation Section 2.2. The Source Code version of Covered Code may be distributed only under the terms of this License or a future version of this License released under Section 6.1, and You must include a copy of this License with every copy of the Source Code You distribute. You may not offer or impose any terms on any Source Code version that alters or restricts the applicable version of this License or the recipients' rights hereunder. However, You may include an additional document offering the additional rights described in Section 3.5.</p> <p>b. Availability of Source Code.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Any Modification which You create or to which You contribute must be made available in Source Code form under the terms of this License either on the same media as an Executable version or via an accepted Electronic Distribution Mechanism to anyone to whom you made an Executable version available; and if made available via Electronic Distribution Mechanism, must remain available for at least twelve (12) months after the date it initially became available, or at least six (6) months after a subsequent version of that particular Modification has been made available to such recipients. You are responsible for ensuring that the Source Code version remains available even if the Electronic Distribution Mechanism is maintained by a third party.</p> <p>1. Description of Modifications. You must cause all Covered Code to which You contribute to contain a file documenting the changes You made to create that Covered Code and the date of any change. You must include a prominent statement that the Modification is derived, directly or indirectly, from Original Code provided by the Initial Developer and including the name of the Initial Developer in (a) the Source Code, and (b) in any notice in an Executable version or related documentation in which You describe the origin or ownership of the Covered Code.</p> <p>1. 4. Intellectual Property Matters (a) Third Party Claims. If Contributor has knowledge that a license under a third party's intellectual property rights is required to exercise the rights granted by such Contributor under Sections 2.1 or 2.2, Contributor must include a text file with the Source Code distribution titled "LEGAL" which describes the claim and the party making the claim in sufficient detail that a recipient will know whom to contact. If Contributor obtains such knowledge after the Modification is made available as described in Section 3.2, Contributor shall promptly modify the LEGAL file in all copies Contributor makes available thereafter and shall take other steps (such as</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>notifying appropriate mailing lists or newsgroups) reasonably calculated to inform those who received the Covered Code that new knowledge has been obtained.</p> <p>(b) Contributor APIs. If Contributor's Modifications include an application programming interface and Contributor has knowledge of patent licenses which are reasonably necessary to implement that API, Contributor must also include this information in the LEGAL file.</p> <p>(c) Representations. Contributor represents that, except as disclosed pursuant to Section 3.4(a) above, Contributor believes that Contributor's Modifications are Contributor's original creation(s) and/or Contributor has sufficient rights to grant the rights conveyed by this License.</p> <p>1. 5. Required Notices. You must duplicate the notice in Exhibit A in each file of the Source Code. If it is not possible to put such notice in a particular Source Code file due to its structure, then You must include such notice in a location (such as a relevant directory) where a user would be likely to look for such a notice. If You created one or more Modification(s) You may add your name as a Contributor to the notice described in Exhibit A. You must also duplicate this License in any documentation for the Source Code where You describe recipients' rights or ownership rights relating to Covered Code. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Code. 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 than 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.</p> <p>1. 6. Distribution of Executable Versions. You may distribute Covered Code in Executable form only if the requirements of Section 3.1-3.5 have been met for that Covered Code, and if You include a notice stating that the Source Code version of the</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Covered Code is available under the terms of this License, including a description of how and where You have fulfilled the obligations of Section 3.2. The notice must be conspicuously included in any notice in an Executable version, related documentation or collateral in which You describe recipients' rights relating to the Covered Code. You may distribute the Executable version of Covered Code or ownership rights under 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 version does not attempt to limit or alter the recipient's rights in the Source Code version from the rights set forth in this License. If You distribute the Executable version 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 any 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.</p> <p>1. 7. Larger Works.</p> <p>You may create a Larger Work by combining Covered Code 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 Code.</p> <p>1. Inability to Comply Due to Statute or Regulation.</p> <p>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 Code 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 included in the LEGAL file described in Section 3.4 and must be included with all distributions of the Source Code. 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.</p> <p>1. Application of this License.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>This License applies to code to which the Initial Developer has attached the notice in Exhibit A and to related Covered Code.</p> <p>1. Versions of the License.</p> <p>1. 1. New Versions.</p> <p>Netscape Communications Corporation ("Netscape") may publish revised and/or new versions of the License from time to time. Each version will be given a distinguishing version number.</p> <p>1. 2. Effect of New Versions.</p> <p>Once Covered Code has been published under a particular version of the License, You may always continue to use it under the terms of that version. You may also choose to use such Covered Code under the terms of any subsequent version of the License published by Netscape. No one other than Netscape has the right to modify the terms applicable to Covered Code created under this License.</p> <p>1. 3. Derivative Works.</p> <p>If You create or use a modified version of this License (which you may only do in order to apply it to code which is not already Covered Code governed by this License), You must (a) rename Your license so that the phrases "Mozilla", "MOZILLAPL", "MOZPL", "Netscape", "MPL", "NPL" or any confusingly similar phrase do not appear in your license (except to note that your license differs from this License) and (b) otherwise make it clear that Your version of the license contains terms which differ from the Mozilla Public License and Netscape Public License. (Filling in the name of the Initial Developer, Original Code or Contributor in the notice described in Exhibit A shall not of themselves be deemed to be modifications of this License.)</p> <p>1. DISCLAIMER OF WARRANTY.</p> <p>COVERED CODE 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 CODE IS FREE OF DEFECTS, MERCHANTABILITY, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED CODE IS WITH YOU.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>SHOULD ANY COVERED CODE 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 CODE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.</p> <p>1. TERMINATION.</p> <p>1. 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. All sublicenses to the Covered Code which are properly granted shall survive any termination of this License. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.</p> <p>1. 2. If You initiate litigation by asserting a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You file such action is referred to as "Participant") alleging that:</p> <p>(a) such Participant's Contributor Version directly or indirectly infringes any patent, then any and all rights granted by such Participant to You under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively, unless if within 60 days after receipt of notice You either: (i) agree in writing to pay Participant a mutually agreeable reasonable royalty for Your past and future use of Modifications made by such Participant, or (ii) withdraw Your litigation claim with respect to the Contributor Version against such Participant. If within 60 days of notice, a reasonable royalty and payment arrangement are not mutually agreed upon in writing by the parties or the litigation claim is not withdrawn, the rights granted by Participant to You under Sections 2.1 and/or 2.2 automatically terminate at the expiration of the 60 day notice period specified above.</p> <p>(b) any software, hardware, or device, other than such Participant's Contributor Version,</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>directly or indirectly infringes any patent, then any rights granted to You by such Participant under Sections 2.1(b) and 2.2(b) are revoked effective as of the date You first made, used, sold, distributed, or had made, Modifications made by that Participant.</p> <p>1. 3. If You assert a patent infringement claim against Participant alleging that such Participant's Contributor Version 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.</p> <p>1. 4. In the event of termination under Sections 8.1 or 8.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or any distributor hereunder prior to termination shall survive termination.</p> <p>2. LIMITATION OF LIABILITY.</p> <p>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 CODE, 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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.</p> <p>1. U.S. GOVERNMENT END USERS.</p> <p>The Covered Code is a "commercial item," as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software" 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 Code with only those rights set forth herein.</p> <p>1. MISCELLANEOUS.</p> <p>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 California law provisions (except to the extent applicable law, if any, provides otherwise), excluding its conflict-of-law provisions. With respect to disputes in which at least one party is a citizen of, or an entity chartered or registered to do business in the United States of America, any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California, with venue lying 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.</p> <p>1. RESPONSIBILITY FOR CLAIMS.</p> <p>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.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>1. MULTIPLE-LICENSED CODE.</p> <p>Initial Developer may designate portions of the Covered Code as "Multiple-Licensed". "Multiple-Licensed" means that the Initial Developer permits you to utilize portions of the Covered Code under Your choice of the MPL or the alternative licenses, if any, specified by the Initial Developer in the file described in Exhibit A.</p> <p>EXHIBIT A -Mozilla Public License.</p> <p>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 http://www.mozilla.org/MPL/</p> <p>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.</p> <p>The Original Code is Javassist.</p> <p>The Initial Developer of the Original Code is Shigeru Chiba. Portions created by the Initial Developer are</p> <p>Copyright (C) 1999- Shigeru Chiba. All Rights Reserved.</p> <p>Contributor(s): __Bill Burke, Jason T. Greene_____.</p> <p>Alternatively, the contents of this software may be used under the terms of the GNU Lesser General Public License Version 2.1 or later (the "LGPL"), or the Apache License Version 2.0 (the "AL"), in which case the provisions of the LGPL or the AL are applicable instead of those above. If you wish to allow use of your version of this software only under the terms of either the LGPL or the AL, and not to allow others to use your version of this software under the terms of the MPL, indicate your decision by deleting the provisions above and replace them with the notice and other provisions required by the LGPL or the AL. If you do not delete the provisions above, a recipient may use your version of this software under the terms of any one of the MPL, the LGPL or the AL.</p> <p>-----</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #27 org.aspectj:aspectjweaver:1.9.4</p> <p>FOURTH-PARTY DEPENDENCY #27 COPYRIGHT NOTICE</p> <p>(C) Copyright 1999-2001 Xerox Corporation, 2002 Palo Alto Research Center, Incorporated (PARC), 2003-2019 Contributors. All Rights Reserved</p> <p>FOURTH-PARTY DEPENDENCY #27 License</p> <p>Eclipse Public License 1.0 - See Appendix J</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #28 org.hibernate.common:hibernate-commons- annotations:5.0.4.Final</p> <p>FOURTH-PARTY DEPENDENCY #28 org.hibernate:hibernate-core:5.3.10.Final</p> <p>COMMON COPYRIGHT and LICENSE NOTICE</p> <p>LGPL v2.1 - See Appendix T</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #29 net.bytebuddy:byte-buddy:1.9.16</p> <p>FOURTH-PARTY DEPENDENCY #29 COPYRIGHT NOTICES</p> <p>Copyright © 2014-2019. All rights reserved.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #30 org.jboss:jandex:2.0.5.Final</p> <p>FOURTH-PARTY DEPENDENCY #30 COPYRIGHT NOTICE</p> <p>JBoss, Home of Professional Open Source. Copyright 2014 Red Hat, Inc., and individual contributors</p> <p>APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #31 org.jboss.logging:jboss-logging:3.3.2.Final</p> <p>FOURTH-PARTY DEPENDENCY #31 COPYRIGHT NOTICE</p> <p>Copyright © 2015 Red Hat, Inc.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #29 net.bytebuddy:byte-buddy:1.9.16</p> <p>FOURTH-PARTY DEPENDENCY #30 org.jboss:jandex:2.0.5.Final</p> <p>FOURTH-PARTY DEPENDENCY #31 org.jboss.logging:jboss-logging:3.3.2.Final</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		COMMON LICENSE NOTICE APACHE 2.0 - See Appendix E

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Pivotal Software, Inc	spring-boot-starter-data-jpa 2.2.4.RELEASE	<p>© 2019 Pivotal Software, Inc. All Rights Reserved</p> <p>-----</p> <p>com.fasterxml:classmate Copyright © 2012–2018 fasterxml.com. All rights reserved. Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi) Other developers who have contributed code are: Brian Langel Licensed under the Apache License, Version 2.0</p> <p>-----</p> <p>com.zaxxer:HikariCP Copyright (C) 2013, 2017 Brett Wooldridge 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.</p> <p>Copyright (C) 2017 Brett Wooldridge 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.</p> <p>-----</p> <p>org.springframework.boot:spring-boot org.springframework.boot:spring-boot-autoconfigure org.springframework.boot:spring-boot-starter</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>org.springframework.boot:spring-boot-starter-aop org.springframework.boot:spring-boot-starter-jdbc org.springframework.data:spring-data-commons org.springframework.data:spring-data-jpa Copyright © 2019 Pivotal Software, Inc.. All rights reserved. Licensed under the Apache License, Version 2.0</p> <p>-----</p> <p>org.springframework:spring-aop org.springframework:spring-aspects org.springframework:spring-beans org.springframework:spring-context org.springframework:spring-core org.springframework:spring-jdbc org.springframework:spring-orm org.springframework:spring-tx org.springframework:spring-expression org.springframework:spring-jcl Copyright 2002-2019 the original author or authors. Licensed under the Apache License, Version 2.0</p> <p>-----</p> <p>org.yaml:snakeyaml 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. Copyright 2003-2010 Christian d'Heureuse, Inventec Informatik AG, Zurich, Switzerland www.source-code.biz, www.inventec.ch/chdh This module is multi-licensed and may be used under the terms of any of the following licenses:</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>EPL, Eclipse Public License, V1.0 or later, http://www.eclipse.org/legal</p> <p>LGPL, GNU Lesser General Public License, V2.1 or later, http://www.gnu.org/licenses/lgpl.html</p> <p>GPL, GNU General Public License, V2 or later, http://www.gnu.org/licenses/gpl.html</p> <p>AL, Apache License, V2.0 or later, http://www.apache.org/licenses</p> <p>BSD, BSD License, http://www.opensource.org/licenses/bsd-license.php</p> <p>Please contact the author if you need another license.</p> <p>This module is provided "as is", without warranties of any kind.</p> <p>Oracle elects the Apache License 2.0.</p> <p>Copyright (c) 2008 Google Inc.</p> <p>Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License.</p> <p>You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0</p> <p>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.</p> <p>See the License for the specific language governing permissions and limitations under the License.</p> <p>-----</p> <p>antlr:antlr</p> <p>[The BSD License]</p> <p>Copyright (c) 2012 Terence Parr and Sam Harwell</p> <p>All rights reserved. BSD License- See Appendix N</p> <p>-----</p> <p>jakarta.annotation:jakarta.annotation-api</p> <p>jakarta.persistence:jakarta.persistence-api</p> <p>Oracle elects the EPL v. 2.0.</p> <p>1. The above files are available in source code form under the Eclipse Public License at: http://www.oracle.com/technetwork/opensource/opensource-code-1366576.html. (The EPL license is reproduced below).</p> <p>2. All past Contributors disclaim all warranties and conditions, express and implied, including warranties or conditions of title and non-</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose. In addition, such Contributors are not liable for any damages, including direct, indirect, special, incidental and consequential damages, such as lost profits.</p> <p>3. Any provisions of the Oracle license agreement that differ from the Eclipse Public License are offered by Oracle alone and not by any other party.</p> <p>4. These files are licensed in executable form under your Oracle license agreement. Oracle is solely responsible for any representations and warranties contained therein.</p> <p>Eclipse Public License - v 2.0 - See Appendix Y</p> <p>-----</p> <p>org.dom4j:dom4j</p> <p>Copyright 2001-2016 (C) MetaStuff, Ltd. and DOM4J contributors. All Rights Reserved.</p> <p>Redistribution and use of this software and associated documentation ("Software"), with or without modification, are permitted provided that the following conditions are met:</p> <ol style="list-style-type: none"> 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 "DOM4J" must not be used to endorse or promote products derived from this Software without prior written permission of MetaStuff, Ltd. For written permission, please contact dom4j-info@metastuff.com. 4. Products derived from this Software may not be called "DOM4J" nor may "DOM4J" appear in their names without prior written permission of MetaStuff, Ltd. DOM4J is a registered trademark of MetaStuff, Ltd. 5. Due credit should be given to the DOM4J Project - https://dom4j.github.io/ <p>THIS SOFTWARE IS PROVIDED BY METASTUFF, LTD. AND CONTRIBUTORS "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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>DISCLAIMED. IN NO EVENT SHALL METASTUFF, LTD. 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.</p> <p>-----</p> <p>org.hibernate.common:hibernate-commons-annotations</p> <p>org.hibernate:hibernate-core:5.4.10.Final</p> <p>Hibernate, Relational Persistence for Idiomatic Java</p> <p>License: GNU Lesser General Public License (LGPL), version 2.1 or later.</p> <p>See the lgpl.txt file in the root directory or <http://www.gnu.org/licenses/lgpl-2.1.html>.</p> <p>LGPL 2.1 - See Appendix T</p> <p>-----</p> <p>org.slf4j:slf4j-api</p> <p>Copyright (c) 2004-2011 QOS.ch</p> <p>All rights reserved. MIT License - See Appendix G</p> <p>-----</p> <p>org.javassist:javassist</p> <p>The Original Code is Javassist.</p> <p>The Initial Developer of the Original Code is Shigeru Chiba. Portions created by the Initial Developer are</p> <p>Copyright (C) 1999- Shigeru Chiba. All Rights Reserved.</p> <p>Contributor(s): __Bill Burke, Jason T. Greene_____.</p> <p>Alternatively, the contents of this software may be used under the terms of the GNU Lesser General Public License Version 2.1 or later (the "LGPL"), or the Apache License Version 2.0 (the "AL"), in which case the provisions of the LGPL or the AL are applicable instead of those above. If you wish to allow use of your version of this software only under the terms of either the LGPL or the AL, and not to allow</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>others to use your version of this software under the terms of the MPL, indicate your decision by deleting the provisions above and replace them with the notice and other provisions required by the LGPL or the AL. If you do not delete the provisions above, a recipient may use your version of this software under the terms of any one of the MPL, the LGPL or the AL.</p> <p>Oracle elects the Apache License 2.0.</p> <p>-----</p> <p>org.aspectj:aspectjweaver (C) Copyright 1999-2001 Xerox Corporation, 2002 Palo Alto Research Center, Incorporated (PARC), 2003-2019 Contributors. All Rights Reserved Eclipse Public License - v 1.0 - See Appendix J</p> <p>-----</p> <p>net.bytebuddy:byte-buddy Copyright © 2014–2019. All rights reserved.</p> <p>-----</p> <p>org.jboss:jandex JBoss, Home of Professional Open Source. Copyright 2014 Red Hat, Inc., and individual contributors as indicated by the @author tags. 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.</p> <p>-----</p> <p>org.jboss.logging:jboss-logging Copyright © 2015 Red Hat, Inc.</p> <p>-----</p> <p>jakarta.transaction:jakarta.transaction-api Notices for Jakarta Transactions This content is produced and maintained by the Jakarta Transactions project.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Project home: https://projects.eclipse.org/projects/ee4j.jta</p> <p>Trademarks</p> <p>Jakarta Transactions is a trademark of the Eclipse Foundation.</p> <p>Copyright</p> <p>All content is the property of the respective authors or their employers. For more information regarding authorship of content, please consult the listed source code repository logs.</p> <p>Declared Project Licenses</p> <p>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.</p> <p>SPDX-License-Identifier: EPL-2.0 OR GPL-2.0 WITH Classpath-exception-2.0</p> <p>Source Code</p> <p>The project maintains the following source code repositories:</p> <p>https://github.com/eclipse-ee4j/jta-api</p> <p>Third-party Content</p> <p>This project leverages the following third party content.</p> <p>None</p> <p>Cryptography</p> <p>Content may contain encryption software. The country in which you are currently may have restrictions on the import, possession, and use, and/or re-export to another country, of encryption software. BEFORE using any encryption software, please check the country's laws, regulations and policies concerning the import, possession, or use, and re-export of encryption software, to see if this is permitted.</p> <p>Oracle elects the EPL 2.0.</p> <p>1. The above files are available in source code form under the Eclipse Public License at: http://www.oracle.com/technetwork/</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>opensource/opensource-code-1366576.html. (The EPL license is reproduced below).</p> <p>2. All past Contributors disclaim 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. In addition, such Contributors are not liable for any damages, including direct, indirect, special, incidental and consequential damages, such as lost profits.</p> <p>3. Any provisions of the Oracle license agreement that differ from the Eclipse Public License are offered by Oracle alone and not by any other party.</p> <p>4. These files are licensed in executable form under your Oracle license agreement. Oracle is solely responsible for any representations and warranties contained therein.</p> <p>-----</p> <p>Apache License, Version 2.0 - See Appendix E</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Pivotal Software, Inc	spring-boot-starter-log4j2 2.1.7.RELEASE	<p>Copyright 2019 Pivotal Software, Inc. All Rights Reserved APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #1 org.apache.logging.log4j:log4j-api:2.11.2 FOURTH-PARTY DEPENDENCY #2 org.apache.logging.log4j:log4j-core:2.11.2 FOURTH-PARTY DEPENDENCY #3 org.apache.logging.log4j:log4j-jul:2.11.2 FOURTH-PARTY DEPENDENCY #4 org.apache.logging.log4j:log4j-slf4j-impl:2.11.2 COMMON COPYRIGHT NOTICES Copyright © 1999-2019 The Apache Software Foundation. All Rights Reserved. Apache Logging, Apache Log4j, Log4j, Apache, the Apache feather logo, the Apache Logging project logo, and the Apache Log4j logo are trademarks of The Apache Software Foundation. Apache log4j Copyright 2010 The Apache Software Foundation This product includes software developed at The Apache Software Foundation (http://www.apache.org/). COMMON LICENSE NOTICE APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #5 org.slf4j:jul-to-slf4j:1.7.26 FOURTH-PARTY DEPENDENCY #6 org.slf4j:slf4j-api:1.7.26 COMMON COPYRIGHT NOTICES and LICENSE TEXT Copyright (c) 2004-2017 QOS.ch All rights reserved. MIT License - See Appendix G</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Pivotal Software, Inc	spring-boot-starter-log4j2 2.2.4.RELEASE	<p>Copyright 2019 Pivotal Software, Inc. All Rights Reserved</p> <p>-----</p> <p>TOP-LEVEL LICENSE TEXT for org.springframework.boot:spring-boot-starter-log4j2 -> 2.2.4.RELEASE</p> <p>APACHE 2.0 - See Appendix E</p> <p>-----separator-----</p> <p>FOURTH-PARTY DEPENDENCY #1 org.apache.logging.log4j:log4j-api:2.12.1</p> <p>FOURTH-PARTY DEPENDENCY #2 org.apache.logging.log4j:log4j-core:2.12.1</p> <p>FOURTH-PARTY DEPENDENCY #3 org.apache.logging.log4j:log4j-jul:2.12.1</p> <p>FOURTH-PARTY DEPENDENCY #4 org.apache.logging.log4j:log4j-slf4j-impl:2.12.1</p> <p>COMMON COPYRIGHT NOTICES</p> <p>Copyright © 1999-2019 The Apache Software Foundation. All Rights Reserved.</p> <p>Apache Logging, Apache Log4j, Log4j, Apache, the Apache feather logo, the Apache Logging project logo, and the Apache Log4j logo are trademarks of The Apache Software Foundation.</p> <p>Apache log4j</p> <p>Copyright 2010 The Apache Software Foundation</p> <p>This product includes software developed at The Apache Software Foundation (http://www.apache.org/).</p> <p>COMMON LICENSE NOTICE</p> <p>Apache License, Version 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #5 org.slf4j:jul-to-slf4j:1.7.30</p> <p>FOURTH-PARTY DEPENDENCY #6 org.slf4j:slf4j-api:1.7.30</p> <p>COMMON COPYRIGHT NOTICES and LICENSE TEXT</p> <p>The MIT License (MIT)</p> <p>Copyright (c) 2004-2017 QOS.ch</p> <p>All rights reserved.</p> <p>MIT License - See Appendix G</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Pivotal Software, Inc	spring-boot-starter-test 2.2.4.RELEASE	<p>Copyright 2012-2020 the original author or authors.</p> <p>-----</p> <p>org.springframework.boot:spring-boot-autoconfigure:jar:2.2.4.RELEASE</p> <p>org.springframework.boot:spring-boot-parent:pom:2.2.4.RELEASE</p> <p>org.springframework.boot:spring-boot-starter-logging:jar:2.2.4.RELEASE</p> <p>org.springframework.boot:spring-boot-starter-test:jar:2.2.4.RELEASE</p> <p>org.springframework.boot:spring-boot-starter:jar:2.2.4.RELEASE</p> <p>org.springframework.boot:spring-boot-starters:pom:2.2.4.RELEASE</p> <p>org.springframework.boot:spring-boot-test-autoconfigure:jar:2.2.4.RELEASE</p> <p>org.springframework.boot:spring-boot-test:jar:2.2.4.RELEASE</p> <p>org.springframework.boot:spring-boot:jar:2.2.4.RELEASE</p> <p>org.springframework:spring-aop:jar:5.2.3.RELEASE</p> <p>org.springframework:spring-beans:jar:5.2.3.RELEASE</p> <p>org.springframework:spring-context:jar:5.2.3.RELEASE</p> <p>org.springframework:spring-core:jar:5.2.3.RELEASE</p> <p>org.springframework:spring-expression:jar:5.2.3.RELEASE</p> <p>org.springframework:spring-jcl:jar:5.2.3.RELEASE</p> <p>org.springframework:spring-test:jar:5.2.3.RELEASE</p> <p>Copyright 2012-2020 the original author or authors.</p> <p>Apache License 2.0 - See Appendix E</p> <p>-----</p> <p>ch.qos.logback:logback-classic:jar:1.2.3</p> <p>ch.qos.logback:logback-core:jar:1.2.3</p> <p>ch.qos.logback:logback-parent:pom:1.2.3</p> <p>Copyright (C) 1999-2015, QOS.ch. All rights reserved.</p> <p>EPL 1.0</p> <p>LGPL 2.1</p> <p>Eclipse Public License - v 1.0 - See Appendix J</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>GNU Lesser General Public License Version 2.1, February 1999 Copyright (C) 1991, 1999 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.</p> <p>GNU General Public License, Version 2 (GPL-2.1) - See Appendix B</p> <p>-----</p> <p>com.jayway.jsonpath:json-path:jar:2.4.0 Copyright (c) 2017 Jayway Apache License 2.0</p> <p>-----</p> <p>com.vaadin.external.google:android-json:jar:0.0.20131108.vaadin1 Copyright (c) Google LLC Apache License 2.0</p> <p>-----</p> <p>net.bytebuddy:byte-buddy-agent:jar:1.10.6 net.bytebuddy:byte-buddy-parent:pom:1.10.6 net.bytebuddy:byte-buddy:jar:1.10.6 Copyright 2014 - 2019 Rafael Winterhalter Apache License 2.0</p> <p>-----</p> <p>net.minidev:accessors-smart:jar:1.2 net.minidev:json-smart:jar:2.3 net.minidev:minidev-parent:pom:2.3 Copyright 2011 JSON-SMART authors Apache License 2.0</p> <p>-----</p> <p>org.apiguardian:apiguardian-api:jar:1.1.0 Copyright 2002-2017 the original author or authors. Apache License 2.0</p> <p>-----</p> <p>org.assertj:assertj-core:jar:3.13.2 org.assertj:assertj-parent-pom:pom:2.2.5 Copyright 2012-2019 the original author or authors. Apache License 2.0</p> <p>-----</p> <p>org.hamcrest:hamcrest:jar:2.1 Copyright (c) 2000-2015 www.hamcrest.org</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>BSD License - See Appendix N</p> <p>-----</p> <p>org.junit.jupiter:junit-jupiter-api:jar:5.5.2 org.junit.jupiter:junit-jupiter-engine:jar:5.5.2 org.junit.jupiter:junit-jupiter-params:jar:5.5.2 org.junit.jupiter:junit-jupiter:jar:5.5.2 org.junit.platform:junit-platform-commons:jar:1.5.2 org.junit.platform:junit-platform-engine:jar:1.5.2 org.junit.vintage:junit-vintage-engine:jar:5.5.2 org.junit:junit-bom:pom:5.5.1 Copyright 2015-2019 the original author or authors. Eclipse Public License - v 2.0 - See Appendix Y</p> <p>-----</p> <p>org.mockito:mockito-core:jar:3.1.0 org.mockito:mockito-junit-jupiter:jar:3.1.0 Copyright (c) 2007 Mockito contributors MIT License - See Appendix G</p> <p>-----</p> <p>org.objenesis:objenesis-parent:pom:2.6 org.objenesis:objenesis:jar:2.6 Copyright 2006-2019 the original author or authors. Apache License 2.0</p> <p>-----</p> <p>org.opentest4j:opentest4j:jar:1.2.0 Copyright 2015-2018 the original author or authors. Apache License 2.0</p> <p>-----</p> <p>org.ow2.asm:asm-parent:pom:5.0.4 org.ow2.asm:asm:jar:5.0.4 org.ow2:ow2:pom:1.3 Copyright (c) 2000-2011 INRIA, France Telecom 3-Clause BSD 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.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <ul style="list-style-type: none"> * 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 highlight.js nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. <p>THIS SOFTWARE IS PROVIDED BY THE REGENTS AND ONTRIBUTORS ``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 AND 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.</p> <p>-----</p> <p>org.skyscreamer:jsonassert:jar:1.5.0 Copyright (c) Carter Page, James Shaw, Tamás Balog, Stefaan Destoop, Yasin Apache License 2.0</p> <p>-----</p> <p>org.xmlunit:xmlunit-core:jar:2.6.3 org.xmlunit:xmlunit-parent:pom:2.6.3 Copyright (c) 2001-2015, Jeff Martin, Tim Bacon Apache License 2.0</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>-----</p> <p>org.apache.logging.log4j:log4j-api:jar:2.12.1 org.apache.logging.log4j:log4j-to-slf4j:jar:2.12.1 org.apache.logging.log4j:log4j:pom:2.12.1 Copyright 1999-2019 Apache Software Foundation Apache License 2.0</p> <p>-----</p> <p>org.slf4j:jul-to-slf4j:jar:1.7.30 org.slf4j:slf4j-api:jar:1.7.30 org.slf4j:slf4j-parent:pom:1.7.30 Copyright (c) 2004-2017 QOS.ch MIT License</p> <p>-----</p> <p>org.yaml:snakeyaml:jar:1.25 Copyright (c) 2008, http://www.snakeyaml.org Apache License 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH PARTY SOFTWARE LICENCE org.hamcrest » hamcrest 2.1 ---http://opensource.org/licenses/BSD-3-Clause BSD License - See Appendix N</p> <p>-----</p> <p>FOURTH PARTY SOFTWARE LICENCE jakarta.xml.bind » jakarta.xml.bind-api 2.3.2 org.junit.jupiter » junit-jupiter 5.5.2 org.junit.vintage » junit-vintage-engine 5.5.2 https://www.eclipse.org/legal/epl-v20.html 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 highlight.js nor the names of its contributors may be used to</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>endorse or promote products derived from this software without specific prior written permission.</p> <p>THIS SOFTWARE IS PROVIDED BY THE REGENTS AND ONTRIBUTORS ``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 AND 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.</p> <p>-----</p> <p>FOURTH PARTY SOFTWARE LICENCE org.mockito » mockito-junit-jupiter 3.1.0 org.mockito » mockito-core 3.1.0 https://github.com/mockito/mockito/blob/master/LICENSE</p> <p>-----</p> <p>FOURTH PARTY SOFTWARE LICENCE org.skyscreamer » jsonassert 1.5.0 org.springframework » spring-core 5.2.0.RELEASE org.springframework » spring-test 5.2.0.RELEASE org.springframework.boot » spring-boot-starter 2.2.0.RELEASE org.springframework.boot » spring-boot-test 2.2.0.RELEASE org.springframework.boot » spring-boot-test-autoconfigure 2.2.0.RELEASE org.xmlunit » xmlunit-core 2.6.3 org.assertj » assertj-core 3.13.2 com.jayway.jsonpath » json-path 2.4.0 http://www.apache.org/licenses/LICENSE-2.0.txt</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		APACHE 2.0 - See Appendix E
Pivotal Software, Inc	spring-boot-starter-undertow 2.1.2	Copyright Pivotal Software, Inc. 12 Jan 2019 Licensed under the Apache License, Version 2.0 (the "License") APACHE 2.0 - See Appendix E
Pivotal Software, Inc	spring-boot-starter-undertow 2.1.7.RELEASE	<p>Copyright 2019 Pivotal Software, Inc. All Rights Reserved -----</p> <p>io.undertow:undertow-core io.undertow:undertow-servlet io.undertow:undertow-websockets-jsr Copyright © 2019 JBoss by Red Hat. All rights reserved. -----</p> <p>org.jboss.logging:jboss-logging Copyright © 2015 Red Hat, Inc. -----</p> <p>org.jboss.xnio:xnio-api JBoss, Home of Professional Open Source Copyright 2014 Red Hat, Inc. and/or its affiliates. APACHE 2.0 - See Appendix E -----</p> <p>org.jboss.xnio:xnio-nio Copyright 2014 Red Hat, Inc. and/or its affiliates. JBoss, Home of Professional Open Source APACHE 2.0 - See Appendix E</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Pivotal Software, Inc	spring-boot-starter-undertow 2.2.4.RELEASE	<p>Copyright 2012-2019 the original author or authors. APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>undertow-core 2.0.29.Final undertow-servlet 2.0.29.Final undertow-websockets-jsr 2.0.29.Final undertow-parser-generator 2.0.29.Final</p> <p>-----</p> <p>JBoss, Home of Professional Open Source. Copyright 2014 Red Hat, Inc., and individual contributors as indicated by the @author tags. APACHE 2.0 - See Appendix E Copyright © 2015 Red Hat, Inc.</p> <p>-----</p> <p>jboss-logging 3.4.0.FINAL JBoss, Home of Professional Open Source Copyright 2011 Red Hat, Inc., and individual contributors as indicated by the @author tags. APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>xnio-api 3.3.8.Final JBoss, Home of Professional Open Source Copyright 2012 Red Hat, Inc., and individual contributors as indicated by the @author tags. APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>alpn-api 1.1.3.v20160715 Apache Software License - Version 2.0 http://www.apache.org/licenses/LICENSE-2.0 Eclipse Public License - Version 1.0 http://www.eclipse.org/org/documents/epl-v10.php Copyright (c) 1996, 2018, Oracle and/or its affiliates. All rights reserved.</p> <p>This code is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License version 2 only, as published by the Free Software Foundation. Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the LICENSE file that accompanied this code.</p> <p>This code 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 version 2 for more</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>details (a copy is included in the LICENSE file that accompanied this code).</p> <p>You should have received a copy of the GNU General Public License version 2 along with this work; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA.</p> <p>Eclipse Public License 1.0 - See Appendix J</p> <p>-----</p> <p>jboss-logging-processor » 2.2.0.Final https://repository.jboss.org/licenses/lgpl-2.1.txt JBoss, Home of Professional Open Source. Copyright 2016, Red Hat, Inc., and individual contributors as indicated by the @author tags. See the copyright.txt file in the distribution for a full listing of individual contributors.</p> <p>This 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.</p> <p>This software is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.</p> <p>GNU General Public License, Version 2 (GPL-2.1) - See Appendix B</p> <p>-----</p> <p>jboss-servlet-api_4.0_spec 1.0.0.Final Common Development And Distribution License 1.1 https://javaee.github.io/glassfish/LICENSE</p> <p>GNU General Public License v2.0 only, with Classpath exception http://openjdk.java.net/legal/gplv2+ce.html</p> <p>Copyright (c) 2017-2017 Oracle and/or its affiliates. All rights reserved.</p> <p>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.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>-----</p> <p>jboss-annotations-api_1.2_spec 1.0.2.Final Common Development And Distribution License 1.1 https://javaee.github.io/glassfish/LICENSE</p> <p>GNU General Public License v2.0 only, with Classpath exception http://openjdk.java.net/legal/gplv2+ce.html</p> <p>Copyright 2005-2006 Sun Microsystems, Inc. All Rights Reserved. Common Development And Distribution License 1.1 - See COMMON DEVELOPMENT AND DISTRIBUTION LICENSE Version 1.1</p> <p>NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)</p> <p>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.</p> <p>-----</p> <p>The GNU General Public License (GPL) Version 2, June 1991 Copyright (C) 1989, 1991 Free Software Foundation, Inc. 51 Franklin Street, Fifth Floor Boston, MA 02110-1335 USA</p> <p>Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed. GNU General Public License, Version 2 (GPL-2.0) - See Appendix A</p> <p>-----</p> <p>jakarta.el 3.0.3 EPL 2.0 http://www.eclipse.org/legal/epl-2.0 GPL2 w/ CPE https://www.gnu.org/software/classpath/license.html</p> <p>Copyright (c) 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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		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

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Pivotal Software, Inc	spring-boot-starter-web 2.1.7.RELEASE	<p>Copyright 2019 Pivotal Software, Inc. All Rights Reserved APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #1 com.fasterxml:classmate: 1.4.0 FOURTH-PARTY DEPENDENCY #1 COPYRIGHT NOTICES Copyright © 2012-2018 fasterxml.com. All rights reserved. Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi) Other developers who have contributed code are: * Brian Langel</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #2 com.fasterxml.jackson.core:jackson-annotations:2.9.0 FOURTH-PARTY DEPENDENCY #2 COPYRIGHT NOTICES Copyright © 2008-2017 FasterXML. All rights reserved.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #3 com.fasterxml.jackson.core:jackson-core:2.9.9 FOURTH-PARTY DEPENDENCY #3 COPYRIGHT NOTICES Jackson JSON-processor. Copyright (c) 2007- Tatu Saloranta, tatu.saloranta@iki.fi # Jackson JSON processor Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com. ## Licensing Jackson core and extension components may licensed under different licenses. To find the details that apply to this artifact see the accompanying LICENSE file. For more information, including possible other licensing options, contact FasterXML.com (http://fasterxml.com).</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>## Credits A list of contributors may be found from CREDITS file, which is included in some artifacts (usually source distributions); but is always available from the source code management (SCM) system project uses.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #4 com.fasterxml.jackson.core:jackson-databind:2.9.9.3</p> <p>FOURTH-PARTY DEPENDENCY #4 COPYRIGHT NOTICES Copyright © 2008-2019 FasterXML. All rights reserved.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #5 com.fasterxml.jackson.datatype:jackson-datatype-jdk8:2.9.9</p> <p>FOURTH-PARTY DEPENDENCY #6 com.fasterxml.jackson.datatype:jackson-datatype-jsr310:2.9.9</p> <p>FOURTH-PARTY DEPENDENCY #7 com.fasterxml.jackson.module:jackson-module-parameter-names:2.9.9</p> <p>COMMON COPYRIGHT NOTICES Copyright © 2019 FasterXML. All rights reserved.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #8 javax.validation:validation-api:2.0.1.Final</p> <p>FOURTH-PARTY DEPENDENCY #8 COPYRIGHT NOTICES Copyright © 2007-2017 Red Hat Inc. All Rights Reserved. Released under the Apache Software License 2.0.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #9 org.jboss.logging:jboss-logging:3.3.2.Final</p> <p>FOURTH-PARTY DEPENDENCY #9 COPYRIGHT NOTICE Copyright © 2015 Red Hat, Inc.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #10 org.springframework.boot:spring-boot-starter:2.1.7.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #11 org.springframework.boot:spring-boot-starter-json:2.1.7.RELEASE</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #11A org.springframework.boot:spring-boot: 2.1.7.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #11B org.springframework.boot:spring-boot- autoconfigure:2.1.7.RELEASE</p> <p>COMMON COPYRIGHT NOTICE Copyright © 2019 Pivotal Software, Inc.. All rights reserved.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #12 org.springframework:spring-aop: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #13 org.springframework:spring-beans: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #14 org.springframework:spring-context: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #15 org.springframework:spring-core: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #16 org.springframework:spring-expression: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #16A org.springframework:spring-jcl: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #17 org.springframework:spring-web: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #18 org.springframework:spring-webmvc: 5.1.9.RELEASE</p> <p>COMMON COPYRIGHT NOTICE Copyright 2002-2019 the original author or authors.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #19 org.hibernate.validator:hibernate-validator: 6.0.17.Final</p> <p>FOURTH-PARTY DEPENDENCY #19 COPYRIGHT NOTICE Copyright 2009 IIZUKA Software Technologies Ltd</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #19A org.yaml:snakeyaml:1.23</p> <p>FOURTH-PARTY DEPENDENCY #19A COPYRIGHT NOTICES</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Copyright (c) 2008, http://www.snakeyaml.org APACHE 2.0 - See Appendix E</p> <p>Copyright 2003-2010 Christian d'Heureuse, Inventec Informatik AG, Zurich, Switzerland www.source-code.biz, www.inventec.ch/chdh</p> <p>This module is multi-licensed and may be used under the terms of any of the following licenses:</p> <p>EPL, Eclipse Public License, V1.0 or later, http://www.eclipse.org/legal</p> <p>LGPL, GNU Lesser General Public License, V2.1 or later, http://www.gnu.org/licenses/lgpl.html</p> <p>GPL, GNU General Public License, V2 or later, http://www.gnu.org/licenses/gpl.html</p> <p>AL, Apache License, V2.0 or later, http://www.apache.org/licenses</p> <p>BSD, BSD License, http://www.opensource.org/licenses/bsd-license.php</p> <p>Please contact the author if you need another license.</p> <p>This module is provided "as is", without warranties of any kind.</p> <p>Oracle elects to use the Apache 2.0 License.</p> <p>Copyright (c) 2008 Google Inc. APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #1 com.fasterxml:classmate: 1.4.0</p> <p>FOURTH-PARTY DEPENDENCY #2 com.fasterxml.jackson.core:jackson-annotations:2.9.0</p> <p>FOURTH-PARTY DEPENDENCY #3 com.fasterxml.jackson.core:jackson-core:2.9.9</p> <p>FOURTH-PARTY DEPENDENCY #4 com.fasterxml.jackson.core:jackson-databind: 2.9.9.3</p> <p>FOURTH-PARTY DEPENDENCY #5 com.fasterxml.jackson.datatype:jackson-datatype-jdk8:2.9.9</p> <p>FOURTH-PARTY DEPENDENCY #6 com.fasterxml.jackson.datatype:jackson-datatype-jsr310:2.9.9</p> <p>FOURTH-PARTY DEPENDENCY #7 com.fasterxml.jackson.module:jackson-module-parameter-names:2.9.9</p> <p>FOURTH-PARTY DEPENDENCY #8 javax.validation:validation-api:2.0.1.Final</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #9 org.jboss.logging:jboss-logging:3.3.2.Final</p> <p>FOURTH-PARTY DEPENDENCY #10 org.springframework.boot:spring-boot-starter: 2.1.7.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #11 org.springframework.boot:spring-boot-starter- json:2.1.7.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #11A org.springframework.boot:spring-boot: 2.1.7.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #11B org.springframework.boot:spring-boot- autoconfigure:2.1.7.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #12 org.springframework:spring-aop: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #13 org.springframework:spring-beans: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #14 org.springframework:spring-context: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #15 org.springframework:spring-core: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #16 org.springframework:spring-expression: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #16A org.springframework:spring-jcl: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #17 org.springframework:spring-web: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #18 org.springframework:spring-webmvc: 5.1.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #19 org.hibernate.validator:hibernate-validator: 6.0.17.Final</p> <p>FOURTH-PARTY DEPENDENCY #19A org.yaml:snakeyaml:1.23</p> <p>COMMON LICENSE NOTICE APACHE 2.0 - See Appendix E</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Pivotal Software, Inc	spring-boot-starter-web 2.2.4	<p>Copyright 2012-2020 the original author or authors.</p> <p>-----</p> <p>org.springframework.boot:spring-boot-autoconfigure:jar:2.2.4.RELEASE</p> <p>org.springframework.boot:spring-boot-parent:pom:2.2.4.RELEASE</p> <p>org.springframework.boot:spring-boot-starter-json:jar:2.2.4.RELEASE</p> <p>org.springframework.boot:spring-boot-starter-logging:jar:2.2.4.RELEASE</p> <p>org.springframework.boot:spring-boot-starter-tomcat:jar:2.2.4.RELEASE</p> <p>org.springframework.boot:spring-boot-starter-validation:jar:2.2.4.RELEASE</p> <p>org.springframework.boot:spring-boot-starter-web:jar:2.2.4.RELEASE</p> <p>org.springframework.boot:spring-boot-starter:jar:2.2.4.RELEASE</p> <p>org.springframework.boot:spring-boot-starters:pom:2.2.4.RELEASE</p> <p>org.springframework.boot:spring-boot:jar:2.2.4.RELEASE</p> <p>org.springframework:spring-aop:jar:5.2.3.RELEASE</p> <p>org.springframework:spring-beans:jar:5.2.3.RELEASE</p> <p>org.springframework:spring-context:jar:5.2.3.RELEASE</p> <p>org.springframework:spring-core:jar:5.2.3.RELEASE</p> <p>org.springframework:spring-expression:jar:5.2.3.RELEASE</p> <p>org.springframework:spring-jcl:jar:5.2.3.RELEASE</p> <p>org.springframework:spring-web:jar:5.2.3.RELEASE</p> <p>org.springframework:spring-webmvc:jar:5.2.3.RELEASE</p> <p>Copyright 2012-2020 the original author or authors.</p> <p>Apache License, Version 2.0 See Appendix E</p> <p>-----</p> <p>com.fasterxml.jackson.core:jackson-annotations:jar:2.10.2</p> <p>com.fasterxml.jackson.core:jackson-core:jar:2.10.2</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>com.fasterxml.jackson.core:jackson-databind:jar:2.10.2</p> <p>com.fasterxml.jackson.datatype:jackson-datatype-jdk8:jar:2.10.2</p> <p>com.fasterxml.jackson.datatype:jackson-datatype-jsr310:jar:2.10.2</p> <p>com.fasterxml.jackson.module:jackson-module-parameter-names:jar:2.10.2</p> <p>com.fasterxml.jackson.module:jackson-modules-java8:pom:2.10.2</p> <p>com.fasterxml.jackson:jackson-base:pom:2.10.2</p> <p>com.fasterxml:classmate:jar:1.5.1</p> <p>com.fasterxml:oss-parent:pom:35</p> <p>Copyright 2009-2011 FasterXML, LLC. All rights reserved unless otherwise indicated.</p> <p>Copyright 2012 FasterXML.com</p> <p>Apache License 2.0</p> <p>-----</p> <p>org.apache.tomcat.embed:tomcat-embed-core:jar:9.0.30</p> <p>org.apache.tomcat.embed:tomcat-embed-el:jar:9.0.30</p> <p>org.apache.tomcat.embed:tomcat-embed-websocket:jar:9.0.30</p> <p>Copyright © 1999-2019 The Apache Software Foundation.</p> <p>Apache License 2.0</p> <p>-----</p> <p>org.jboss.jboss-parent:pom:34</p> <p>org.jboss.arquillian:arquillian-bom:pom:1.1.11.Final</p> <p>Copyright 2010-2018, Red Hat, Inc., and individual contributors</p> <p>Apache License 2.0</p> <p>-----</p> <p>org.jboss.shrinkwrap.descriptors:shrinkwrap-descriptors-bom:pom:2.0.0-alpha-8</p> <p>org.jboss.shrinkwrap.resolver:shrinkwrap-resolver-bom:pom:2.2.0</p> <p>org.jboss.shrinkwrap:shrinkwrap-bom:pom:1.2.3</p> <p>Copyright 2009-2013, Red Hat Middleware LLC, and individual contributors</p> <p>Apache License 2.0</p> <p>-----</p> <p>org.jboss.logging:jboss-logging:jar:3.4.1.Final</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Copyright 2010-2019 Red Hat, Inc., and individual contributors Apache License 2.0 -----</p> <p>org.apache.logging.log4j:log4j-api:jar:2.12.1 org.apache.logging.log4j:log4j-to-slf4j:jar:2.12.1 org.apache.logging.log4j:log4j:pom:2.12.1 Copyright 1999-2019 Apache Software Foundation Apache License 2.0 -----</p> <p>org.hibernate.validator:hibernate-validator:jar:6.0.18.Final org.hibernate.validator:hibernate-validator-parent:pom:6.0.18.Final Copyright (c) Adam Stawicki, Ahmed Al Hafoudh, Alaa Nassef, Andrey Derevyanko, Andrey Rodionov, Asutosh Pandya, Benson Margulies, Brent Douglas, Carlos Vara, Carlo de Wolf, Chris Beckey, Christian Ivan, Dag Hovland, Damir Alibegovic, Davide D'Alto, Davide Marchignoli, Denis Tiago, Doug Lea, Emmanuel Bernard, Efthymis Sarbanis, Federico, Federico Mancini, Gavin King, George Gastaldi, Gerhard Petracek, Guillaume Husta, Guillaume Smet, Gunnar Morling, Hardy Ferentschik, Henno Vermeulen, Hillmer Chona, Jan-Willem Willebrands, Jason T. Greene, Jesper Preuss, Jiri Bilek, Julien Furgerot, Julien May, Juraci Krohling, Justin Nauman, Kathryn Killebrew, Kazuki Shimizu, Kevin Pollet, Khalid Alqinyah, Lee Kyoungll, Leonardo, Loch Zanivan, Lucas Pouzac, Lukas Niemeier, Mark Hobson, Marko Bekhta, Matthias Kurz, Mert Caliskan, Michal Fotyga, Nicola Ferraro, Nicolas François, Paolo Perrotta, Pete Muir, Rob Dickinson, Sanne Grinovero, Sebastian Bayerl, Shahram Goodarzi, Shane Bryzak, Shelly McGowan, Sjaak Derksen, Steve Ebersole, Strong Liu, Tadhg Pearson, Takashi Aoe, Tomaz Cerar, Tommy Johansen, Victor Rezende dos Santos, Willi Schönborn, Xavier Sosnovsky, Yanming Zhou, Yoann Rodière Apache License 2.0 -----</p> <p>ch.qos.logback:logback-classic:jar:1.2.3 ch.qos.logback:logback-parent:pom:1.2.3 ch.qos.logback:logback-core:jar:1.2.3</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Copyright (C) 1999-2015, QOS.ch. All rights reserved. EPL 1.0 LGPL 2.1 Eclipse Public License - v 1.0 See Appendix J GNU Lesser General Public License Version 2.1, February 1999 Copyright (C) 1991, 1999 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. Eclipse Public License - v 1.0 See Appendix J GNU General Public License, Version 2 (GPL-2.1) See Appendix B</p> <p>-----</p> <p>org.yaml:snakeyaml:jar:1.25 Copyright (c) 2008, http://www.snakeyaml.org Apache License 2.0</p> <p>-----</p> <p>org.slf4j:jul-to-slf4j:jar:1.7.30 org.slf4j:slf4j-api:jar:1.7.30 org.slf4j:slf4j-parent:pom:1.7.30 Copyright (c) 2004-2017 QOS.ch MIT License See Appendix G</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Pivotal Software, Inc	Spring Cloud Starter Gateway 2.1.1.Release	<p>© 2019 Pivotal Software, Inc. All Rights Reserved</p> <p>TOP-LEVEL LICENSE TEXT for org.springframework.cloud:spring-cloud-starter-gateway:2.1.2.RELEASE Apache License, Version 2.0 See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #1 ch.qos.logback:logback-classic:1.2.3 COMMON COPYRIGHT NOTICES Copyright (C) 1999-2017, QOS.ch. All rights reserved. COMMON LICENSE Eclipse Public License - v 1.0 See Appendix J</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #2 - intentionally skipped</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #3 com.fasterxml:classmate: 1.4.0 FOURTH-PARTY DEPENDENCY #3 COPYRIGHT NOTICES Copyright © 2012–2018 fasterxml.com. All rights reserved.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #4 com.fasterxml.jackson.core:jackson-annotations:2.9.0 FOURTH-PARTY DEPENDENCY #4 COPYRIGHT NOTICES Copyright © 2008–2017 FasterXML. All rights reserved.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #5 com.fasterxml.jackson.core:jackson-core:2.9.9 FOURTH-PARTY DEPENDENCY #5 COPYRIGHT NOTICES Jackson JSON-processor. * * Copyright (c) 2007- Tatu Saloranta, tatu.saloranta@iki.fi */ # Jackson JSON processor Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.</p> <p>## Licensing</p> <p>Jackson core and extension components may be licensed under different licenses.</p> <p>To find the details that apply to this artifact see the accompanying LICENSE file.</p> <p>For more information, including possible other licensing options, contact FasterXML.com (http://fasterxml.com).</p> <p>## Credits</p> <p>A list of contributors may be found from CREDITS file, which is included in some artifacts (usually source distributions); but is always available from the source code management (SCM) system project uses.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #6 com.fasterxml.jackson.core:jackson-databind:2.9.9.3</p> <p>FOURTH-PARTY DEPENDENCY #6 COPYRIGHT NOTICES Copyright © 2008–2019 FasterXML. All rights reserved.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #7 com.fasterxml.jackson.datatype:jackson-datatype-jdk8:2.9.9</p> <p>FOURTH-PARTY DEPENDENCY #8 com.fasterxml.jackson.datatype:jackson-datatype-jsr310:2.9.9</p> <p>FOURTH-PARTY DEPENDENCY #9 com.fasterxml.jackson.module:jackson-module-parameter-names:2.9.9</p> <p>COMMON COPYRIGHT NOTICES Copyright © 2019 FasterXML. All rights reserved.</p> <p>FOURTH-PARTY DEPENDENCY #10 io.netty:netty-buffer:4.1.36.Final</p> <p>FOURTH-PARTY DEPENDENCY #11 io.netty:netty-codec:4.1.36.Final</p> <p>FOURTH-PARTY DEPENDENCY #12 io.netty:netty-codec-http2:4.1.36.Final</p> <p>FOURTH-PARTY DEPENDENCY #13 io.netty:netty-codec-http:4.1.36.Final</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #14 io.netty.netty-codec-socks:4.1.36.Final</p> <p>FOURTH-PARTY DEPENDENCY #15 io.netty.netty-common:4.1.36.Final</p> <p>FOURTH-PARTY DEPENDENCY #16 io.netty.netty-handler:4.1.36.Final</p> <p>FOURTH-PARTY DEPENDENCY #17 io.netty.netty-handler-proxy:4.1.36.Final</p> <p>FOURTH-PARTY DEPENDENCY #18 io.netty.netty-resolver:4.1.36.Final</p> <p>FOURTH-PARTY DEPENDENCY #19 io.netty.netty-transport:4.1.36.Final</p> <p>FOURTH-PARTY DEPENDENCY #20 io.netty.netty-transport-native-epoll: 4.1.36.Final</p> <p>FOURTH-PARTY DEPENDENCY #21 io.netty.netty-transport-native-unix-common: 4.1.36.Final</p> <p>COMMON COPYRIGHT NOTICES Copyright © 2008–2019 The Netty Project. All rights reserved.</p> <p>FOURTH-PARTY DEPENDENCY #22 io.projectreactor.addons:reactor-extra: 3.2.3.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #22 COPYRIGHT NOTICES /* * Copyright (c) 2011-2017 Pivotal Software Inc, All Rights Reserved. APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #23 io.projectreactor.netty:reactor-netty: 0.8.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #23 COPYRIGHT NOTICES Copyright (c) 2006, Ivan Sagalaev 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.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>* Neither the name of highlight.js nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.</p> <p>THIS SOFTWARE IS PROVIDED BY THE REGENTS AND ONTRIBUTORS ``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 AND 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.</p> <p>Copyright (c) 2011-2019 Pivotal Software Inc, All Rights Reserved. APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #24 javax.validation:validation-api:2.0.1.Final FOURTH-PARTY DEPENDENCY #24 COPYRIGHT NOTICES Copyright © 2007-2017 Red Hat Inc. All Rights Reserved. Released under the Apache Software License 2.0.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #25 org.apache.logging.log4j:log4j-api:2.11.2 FOURTH-PARTY DEPENDENCY #26 org.apache.logging.log4j:log4j-to-slf4j:2.11.2 COMMON COPYRIGHT NOTICE Copyright © 1999-2019 The Apache Software Foundation. All Rights Reserved. Apache Logging, Apache Log4j, Log4j, Apache, the Apache feather logo, the Apache Logging project logo, and the Apache Log4j logo are trademarks of The Apache Software Foundation.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>-----</p> <p>FOURTH-PARTY DEPENDENCY #27 org.hibernate.validator:hibernate-validator: 6.0.17.Final</p> <p>FOURTH-PARTY DEPENDENCY #27 COPYRIGHT NOTICES Copyright 2009 IIZUKA Software Technologies Ltd Licensed under the Apache License, Version 2.0 (the "License");</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #28 org.jboss.logging:jboss-logging:3.3.2.Final</p> <p>FOURTH-PARTY DEPENDENCY #28 COPYRIGHT NOTICES Copyright © 2015 Red Hat, Inc.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #29 org.springframework.boot:spring-boot: 2.1.6.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #30 org.springframework.boot:spring-boot- autoconfigure:2.1.6.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #31 org.springframework.boot:spring-boot-starter: 2.1.6.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #32 org.springframework.boot:spring-boot-starter- json:2.1.6.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #33 org.springframework.boot:spring-boot-starter- logging:2.1.6.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #34 org.springframework.boot:spring-boot-starter- reactor-netty:2.1.6.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #35 org.springframework.boot:spring-boot-starter- webflux:2.1.6.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #36 org.springframework.cloud:spring-cloud- commons:2.1.2.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #37 org.springframework.cloud:spring-cloud- context:2.1.2.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #38 org.springframework.cloud:spring-cloud- gateway-core:2.1.2.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #39 org.springframework.cloud:spring-cloud- starter:2.1.2.RELEASE</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #40 org.springframework.cloud:spring-cloud-starter-gateway:2.1.2.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #41 org.springframework.security:spring-security-crypto:5.1.5.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #42 org.springframework.security:spring-security-rsa:1.0.7.RELEASE</p> <p>COMMON COPYRIGHT NOTICES Copyright © 2019 Pivotal Software, Inc.. All rights reserved.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #43 org.synchronoss.cloud:nio-multipart-parser:1.1.0</p> <p>FOURTH-PARTY DEPENDENCY #43 COPYRIGHT NOTICES * Copyright (C) 2008 The Guava Authors * * Licensed under the Apache License, Version 2.0 (the "License"); Copyright (C) 2015 Synchronoss Technologies * Licensed under the Apache License, Version 2.0 (the "License");</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #44 org.synchronoss.cloud:nio-stream-storage:1.1.3</p> <p>FOURTH-PARTY DEPENDENCY #44 COPYRIGHT NOTICES /* * Copyright (C) 2015 Synchronoss Technologies * * Licensed under the Apache License, Version 2.0 (the "License");</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #45 org.springframework:spring-beans:5.1.8.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #45 COPYRIGHT NOTICES Copyright 2002-2019 the original author or authors. Licensed under the Apache License, Version 2.0 (the "License");</p> <p>-----</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #46 org.springframework:spring-core: 5.1.8.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #46 COPYRIGHT NOTICES</p> <p>Copyright 2002-2019 the original author or authors.</p> <p>Licensed under the Apache License, Version 2.0 (the "License");</p> <p>ASM: a very small and fast Java bytecode manipulation framework</p> <p>Copyright (c) 2000-2011 INRIA, France Telecom</p> <p>All rights reserved.</p> <p>Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <ol style="list-style-type: none"> 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. <p>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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #47 org.springframework:spring-web: 5.1.8.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #48 org.springframework:spring-webflux: 5.1.8.RELEASE</p> <p>Copyright 2002-2019 the original author or authors. Licensed under the Apache License, Version 2.0 (the "License");</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #49 org.yaml:snakeyaml:1.23</p> <p>FOURTH-PARTY DEPENDENCY #49 COPYRIGHT NOTICES</p> <p>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. Copyright 2003-2010 Christian d'Heureuse, Inventec Informatik AG, Zurich, Switzerland www.source-code.biz, www.inventec.ch/chdh This module is multi-licensed and may be used under the terms of any of the following licenses: EPL, Eclipse Public License, V1.0 or later, http://www.eclipse.org/legal LGPL, GNU Lesser General Public License, V2.1 or later, http://www.gnu.org/licenses/lgpl.html GPL, GNU General Public License, V2 or later, http://www.gnu.org/licenses/gpl.html AL, Apache License, V2.0 or later, http://www.apache.org/licenses</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>BSD, BSD License, http://www.opensource.org/licenses/bsd-license.php Please contact the author if you need another license.</p> <p>This module is provided "as is", without warranties of any kind.</p> <p>Copyright (c) 2008 Google Inc.</p> <p>Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License.</p> <p>You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0</p> <p>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.</p> <p>See the License for the specific language governing permissions and limitations under the License.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #50 io.projectreactor:reactor-core: 3.2.10.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #50 COPYRIGHT NOTICES</p> <p>Copyright (c) 2006, Ivan Sagalaev All rights reserved.</p> <p>Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <ul style="list-style-type: none"> * 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 highlight.js nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. <p>THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS AND 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.</p> <p>Copyright (c) 2019-Present Pivotal Software Inc, All Rights Reserved. APACHE 2.0 - See Appendix E</p> <p>Copyright (C) 2019 José Paumard APACHE 2.0 - See Appendix E</p> <p>Copyright 2013 The Netty Project APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #3 com.fasterxml:classmate: 1.4.0</p> <p>FOURTH-PARTY DEPENDENCY #4 com.fasterxml.jackson.core:jackson-annotations:2.9.0</p> <p>FOURTH-PARTY DEPENDENCY #5 com.fasterxml.jackson.core:jackson-core:2.9.9</p> <p>FOURTH-PARTY DEPENDENCY #6 com.fasterxml.jackson.core:jackson-databind: 2.9.9.3</p> <p>FOURTH-PARTY DEPENDENCY #7 com.fasterxml.jackson.datatype:jackson-datatype-jdk8:2.9.9</p> <p>FOURTH-PARTY DEPENDENCY #8 com.fasterxml.jackson.datatype:jackson-datatype-jsr310:2.9.9</p> <p>FOURTH-PARTY DEPENDENCY #9 com.fasterxml.jackson.module:jackson-module-parameter-names:2.9.9</p> <p>FOURTH-PARTY DEPENDENCY #10 io.netty:netty-buffer:4.1.36.Final</p> <p>FOURTH-PARTY DEPENDENCY #11 io.netty:netty-codec:4.1.36.Final</p> <p>FOURTH-PARTY DEPENDENCY #12 io.netty:netty-codec-http2:4.1.36.Final</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #13 io.netty.netty-codec-http:4.1.36.Final</p> <p>FOURTH-PARTY DEPENDENCY #14 io.netty.netty-codec-socks:4.1.36.Final</p> <p>FOURTH-PARTY DEPENDENCY #15 io.netty.netty-common:4.1.36.Final</p> <p>FOURTH-PARTY DEPENDENCY #16 io.netty.netty-handler:4.1.36.Final</p> <p>FOURTH-PARTY DEPENDENCY #17 io.netty.netty-handler-proxy:4.1.36.Final</p> <p>FOURTH-PARTY DEPENDENCY #18 io.netty.netty-resolver:4.1.36.Final</p> <p>FOURTH-PARTY DEPENDENCY #19 io.netty.netty-transport:4.1.36.Final</p> <p>FOURTH-PARTY DEPENDENCY #20 io.netty.netty-transport-native-epoll: 4.1.36.Final</p> <p>FOURTH-PARTY DEPENDENCY #21 io.netty.netty-transport-native-unix-common: 4.1.36.Final</p> <p>FOURTH-PARTY DEPENDENCY #22 io.projectreactor.addons:reactor-extra: 3.2.3.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #23 io.projectreactor.netty:reactor-netty: 0.8.9.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #24 javax.validation:validation-api:2.0.1.Final</p> <p>FOURTH-PARTY DEPENDENCY #25 org.apache.logging.log4j:log4j-api:2.11.2</p> <p>FOURTH-PARTY DEPENDENCY #26 org.apache.logging.log4j:log4j-to-slf4j:2.11.2</p> <p>FOURTH-PARTY DEPENDENCY #27 org.hibernate.validator:hibernate-validator: 6.0.17.Final</p> <p>FOURTH-PARTY DEPENDENCY #28 org.jboss.logging:jboss-logging:3.3.2.Final</p> <p>FOURTH-PARTY DEPENDENCY #29 org.springframework.boot:spring-boot: 2.1.6.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #30 org.springframework.boot:spring-boot- autoconfigure:2.1.6.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #31 org.springframework.boot:spring-boot-starter: 2.1.6.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #32 org.springframework.boot:spring-boot-starter- json:2.1.6.RELEASE</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #33 org.springframework.boot:spring-boot-starter-logging:2.1.6.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #34 org.springframework.boot:spring-boot-starter-reactor-netty:2.1.6.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #35 org.springframework.boot:spring-boot-starter-webflux:2.1.6.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #36 org.springframework.cloud:spring-cloud-commons:2.1.2.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #37 org.springframework.cloud:spring-cloud-context:2.1.2.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #38 org.springframework.cloud:spring-cloud-gateway-core:2.1.2.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #39 org.springframework.cloud:spring-cloud-starter:2.1.2.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #40 org.springframework.cloud:spring-cloud-starter-gateway:2.1.2.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #41 org.springframework.security:spring-security-crypto:5.1.5.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #42 org.springframework.security:spring-security-rsa:1.0.7.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #43 org.synchronoss.cloud:nio-multipart-parser:1.1.0</p> <p>FOURTH-PARTY DEPENDENCY #44 org.synchronoss.cloud:nio-stream-storage:1.1.3</p> <p>FOURTH-PARTY DEPENDENCY #45 org.springframework:spring-beans:5.1.8.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #46 org.springframework:spring-core:5.1.8.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #47 org.springframework:spring-web:5.1.8.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #48 org.springframework:spring-webflux:5.1.8.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #49 org.yaml:snakeyaml:1.23</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #50 io.projectreactor:reactor-core: 3.2.10.RELEASE APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #51 org.bouncycastle:bcpkix-jdk15on:1.60 FOURTH-PARTY DEPENDENCY #52 org.bouncycastle:bcprov-jdk15on:1.60 COMMON COPYRIGHT AND LICENSE NOTICES</p> <p>Please note this should be read in the same way as the MIT license.</p> <p>Please also note this licensing model is made possible through funding from donations and the sale of support contracts.</p> <p>License</p> <p>Copyright (c) 2000 - 2019 The Legion of the Bouncy Castle Inc. (https://www.bouncycastle.org)</p> <p>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:</p> <p>The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.</p> <p>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.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #53 org.glassfish:javafx.el:3.0.0</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #53 COPYRIGHT NOTICES Copyright (c) 2013 Oracle and/or its affiliates. All Rights Reserved. Use is subject to license terms. -----</p> <p>FOURTH-PARTY DEPENDENCY #54 org.reactivestreams:reactive-streams:1.0.2 FOURTH-PARTY DEPENDENCY #54 COPYRIGHT NOTICES -----</p> <p>FOURTH-PARTY DEPENDENCY #54 LICENSE No Copyright The person who associated a work with this deed has dedicated the work to the public domain by waiving all of his or her rights to the work worldwide under copyright law, including all related and neighboring rights, to the extent allowed by law. You can copy, modify, distribute and perform the work, even for commercial purposes, all without asking permission. See Other Information below. This license is acceptable for Free Cultural Works. Other Information In no way are the patent or trademark rights of any person affected by CC0, nor are the rights that other persons may have in the work or in how the work is used, such as publicity or privacy rights. Unless expressly stated otherwise, the person who associated a work with this deed makes no warranties about the work, and disclaims liability for all uses of the work, to the fullest extent permitted by applicable law. When using or citing the work, you should not imply endorsement by the author or the affirmer. -----</p> <p>FOURTH-PARTY DEPENDENCY #55 org.slf4j:jul-to-slf4j:1.7.26 FOURTH-PARTY DEPENDENCY #56 org.slf4j:slf4j-api:1.7.26 COMMON COPYRIGHT NOTICES and LICENSE TEXT The MIT License (MIT) See Appendix G Copyright (c) 2004-2017 QOS.ch</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		All rights reserved.

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Pivotal Software, Inc	Spring Cloud Starter Gateway 2.2.1	<p>© 2020 Pivotal Software, Inc. All Rights Reserved</p> <p>TOP-LEVEL LICENSE TEXT for org.springframework.cloud:spring-cloud-startergateway:2.2.1.RELEASE</p> <p>Apache License, Version 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #1 org.springframework.cloud:spring-cloud-starter 2.2.1.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #2 org.springframework.cloud:spring-cloud-gateway-core 2.2.1.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #3 org.springframework.boot:spring-boot-starter-webflux 2.2.2.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #4 org.springframework.boot:spring-boot-starter 2.2.4.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #5 org.springframework.boot:spring-boot-starter-json:2.2.4.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #6 org.springframework.boot:spring-boot-starter-reactor-netty:2.2.4.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #7 org.springframework.boot:spring-boot-starter-validation:2.2.4.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #8 io.projectreactor.netty:reactor-netty: 0.9.5.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #9 io.projectreactor.addons:reactor-extra: 3.3.1.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #10 reactor:reactor-core:3.3.2.RELEASE</p> <p>COMMON COPYRIGHT NOTICES</p> <p>Copyright © 2020 Pivotal Software, Inc.. All rights reserved.</p> <p>COMMON LICENSE NOTICES</p> <p>Apache License, Version 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #1 org.springframework:spring-web: 5.2.3.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #2 org.springframework:spring-beans: 5.2.3.RELEASE</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #3 org.springframework:spring-core: 5.2.3.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #4 org.springframework:spring-webflux: 5.2.3.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #5 org.springframework:spring-core: 5.2.3.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #6 org.springframework:spring-web: 5.2.3.RELEASE</p> <p>COMMON COPY RIGHT TEXT © 2020 VMware, Inc. or its affiliates. Terms of Use • Privacy • Trademark Guidelines Apache®, Apache Tomcat®, Apache Kafka®, Apache Cassandra™, and Apache Geode™ are trademarks or registered trademarks of the Apache Software Foundation in the United States and/or other countries. Java™, Java™ SE, Java™ EE, and OpenJDK™ are trademarks of Oracle and/or its affiliates. Kubernetes® is a registered trademark of the Linux Foundation in the United States and other countries. Linux® is the registered trademark of Linus Torvalds in the United States and other countries. Windows® and Microsoft® Azure are registered trademarks of Microsoft Corporation. “AWS” and “Amazon Web Services” are trademarks or registered trademarks of Amazon.com Inc. or its affiliates. All other trademarks and copyrights are property of their respective owners and are only mentioned for informative purposes. Other names may be trademarks of their respective owners.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #1 org.springframework.cloud:spring-cloud-context:2.2.1.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #2 org.springframework.cloud:spring-cloud-commons:2.2.1.RELEASE</p> <p>COMMON COPYRIGHT TEXT © 2020 Pivotal Software, Inc. All Rights Reserved</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #1 com.fasterxml.jackson.core:jackson-databind: 2.10.2</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #2 com.fasterxml.jackson.datatype:jackson-datatype-jdk8:2.10.2</p> <p>FOURTH-PARTY DEPENDENCY #3 com.fasterxml.jackson.core:jackson-core:2.10.2</p> <p>FOURTH-PARTY DEPENDENCY #4 com.fasterxml.jackson.datatype:jackson-datatype-jsr310:2.10.2</p> <p>FOURTH-PARTY DEPENDENCY #5 com.fasterxml.jackson.module:jackson-module-parameter-names:2.10.2</p> <p>FOURTH-PARTY DEPENDENCY #6 com.fasterxml.jackson.core: :2.10.2</p> <p>FOURTH-PARTY DEPENDENCY #7 org.jboss.logging:jboss-logging:3.4.1.Final</p> <p>FOURTH-PARTY DEPENDENCY #8 com.fasterxml:classmate:1.5.1</p> <p># Jackson JSON processor</p> <p>Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.</p> <p>## Licensing</p> <p>Jackson core and extension components may licensed under different licenses. To find the details that apply to this artifact see the accompanying LICENSE file. For more information, including possible other licensing options, contact FasterXML.com (http://fasterxml.com).</p> <p>## Credits</p> <p>A list of contributors may be found from CREDITS file, which is included in some artifacts (usually source distributions); but is always available from the source code management (SCM) system project uses.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #1 org.synchronoss.cloud:nio-multipart-parser:1.1.0</p> <p>FOURTH-PARTY DEPENDENCY #2 org.synchronoss.cloud:nio-stream-storage:1.1.3</p> <p>COPYRIGHT TEXT Copyright (C) 2015 Synchronoss Technologies</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #1 jakarta.validation:jakarta.validation-api:2.0.2</p> <p>FOURTH-PARTY DEPENDENCY #2 org.hibernate.validator:hibernate-validator: 6.0.18.Final</p> <p>COPYRIGHT TEXT Copyright © Red Hat, Inc APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #1 org.glassfish:jakarta.el:3.0.3</p> <p>COPYRIGHT NOTICE Copyright © Eclipse Foundation, Inc. All Rights Reserved. Eclipse Public License - v 2.0 - See Appendix Y</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY#1 org.reactivestreams:reactive-streams:1.0.3 Licensed under Public Domain (CC0) To the extent possible under law, the person who associated CC0 with this code has waived all copyright and related or neighboring rights to this code. You should have received a copy of the CC0 legalcode along with this work. If not, see <http:// creativecommons.org/publicdomain/ zero/1.0/>.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY#1 org.slf4j:slf4j-api:1.7.30 Copyright (c) 2004-2017 QOS.ch All rights reserved. See Appendix G</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #1 io.netty:netty-codec-http:4.1.46.Final</p> <p>FOURTH-PARTY DEPENDENCY #2 io.netty:netty-common:4.1.46.Final</p> <p>FOURTH-PARTY DEPENDENCY #3 io.netty:netty-buffer:4.1.46.Final</p> <p>FOURTH-PARTY DEPENDENCY #4 io.netty:netty-transport:4.1.46.Final</p> <p>FOURTH-PARTY DEPENDENCY #5 io.netty:netty-resolver:4.1.46.Final</p> <p>FOURTH-PARTY DEPENDENCY #6 io.netty:netty-codec:4.1.46.Final</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #7 io.netty:netty-handler:4.1.46.Final</p> <p>FOURTH-PARTY DEPENDENCY #8 io.netty:netty-codec-http2:4.1.46.Final</p> <p>FOURTH-PARTY DEPENDENCY #9 io.netty:netty-handler:4.1.46.Final</p> <p>FOURTH-PARTY DEPENDENCY #10 io.netty:netty-codec-http:4.1.46.Final</p> <p>FOURTH-PARTY DEPENDENCY #11 io.netty:netty-handler-proxy: 4.1.46.Final</p> <p>FOURTH-PARTY DEPENDENCY #12 io.netty:netty-codec-socks:4.1.46.Final</p> <p>FOURTH-PARTY DEPENDENCY #13 io.netty:netty-transport-native-epoll: 4.1.46.Final</p> <p>FOURTH-PARTY DEPENDENCY #14 io.netty:netty-transport-native-unix-common: 4.1.46.Final</p> <p>APACHE 2.0 - See Appendix E</p> <p>The Netty Project</p> <p>=====</p> <p>Please visit the Netty web site for more information: https://netty.io/</p> <p>Copyright 2014 The Netty Project</p> <p>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 :</p> <p>Please refer to Apache License text mentioned under TOP-LEVEL LICENSE TEXT</p> <p>http://www.apache.org/licenses/LICENSE-2.0</p> <p>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.</p> <p>Also, please refer to each LICENSE.<component>.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.</p> <p>-----</p> <p>--> This product contains the extensions to Java Collections Framework which has been</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>derived from the works by JSR-166 EG, Doug Lea, and Jason T. Greene:</p> <p>* LICENSE: * license/LICENSE.jsr166y.txt (Public Domain)</p> <p>* HOMEPAGE: * http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/ * http://viewvc.jboss.org/cgi-bin/viewvc.cgi/jboss-cache/experimental/jsr166/</p> <p>--> This product contains a modified version of Robert Harder's Public Domain Base64 Encoder and Decoder, which can be obtained at:</p> <p>* LICENSE: * license/LICENSE.base64.txt (Public Domain)</p> <p>* HOMEPAGE: * http://iharder.sourceforge.net/current/java/base64/</p> <p>COMMON LICENSE TEXT for Public Domain: The person or persons who have associated work with this document (the "Dedicator" or "Certifier") hereby either (a) certifies that, to the best of his knowledge, the work of authorship identified is in the public domain of the country from which the work is published, or (b) hereby dedicates whatever copyright the dedicators holds in the work of authorship identified below (the "Work") to the public domain. A certifier, moreover, dedicates any copyright interest he may have in the associated work, and for these purposes, is described as a "dedicator" below.</p> <p>A certifier has taken reasonable steps to verify the copyright status of this work. Certifier recognizes that his good faith efforts may not shield him from liability if in fact the work certified is not in the public domain. Dedicator makes this dedication for the benefit of the public at large and to the detriment of the Dedicator's heirs and successors. Dedicator intends this dedication to be an overt act of relinquishment in perpetuity of all present and future rights under copyright law, whether vested or contingent, in the Work. Dedicator understands that such relinquishment of all rights includes the relinquishment of all rights to enforce (by lawsuit or otherwise) those copyrights in the Work.</p> <p>Dedicator recognizes that, once placed in the public domain, the Work may be freely reproduced, distributed, transmitted, used, modified, built upon, or otherwise exploited by</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>anyone for any purpose, commercial or non-commercial, and in any way, including by methods that have not yet been invented or conceived.</p> <p>--> This product contains a modified portion of 'Webbit', an event based WebSocket and HTTP server, which can be obtained at:</p> <p>* LICENSE: * license/LICENSE.webbit.txt (BSD License)</p> <p>* HOMEPAGE: * https://github.com/joewalnes/webbit</p> <p>LICENSE TEXT : (BSD License: http://www.opensource.org/licenses/bsd-license)</p> <p>Copyright (c) 2011, Joe Walnes, Aslak Hellesøy and contributors</p> <p>All rights reserved. BSD License - See Appendix N</p> <p>--> This product contains a modified portion of 'SLF4J', a simple logging facade for Java, which can be obtained at:</p> <p>* LICENSE: * license/LICENSE.slf4j.txt (MIT License)</p> <p>* HOMEPAGE: * http://www.slf4j.org</p> <p>Copyright (c) 2004-2017 QOS.ch</p> <p>All rights reserved. See Appendix G</p> <p>--> This product contains a modified portion of 'Apache Harmony', an open source Java SE, which can be obtained at:</p> <p>* NOTICE: * license/NOTICE.harmony.txt</p> <p>* LICENSE: * license/LICENSE.harmony.txt (Apache License 2.0)</p> <p>* HOMEPAGE: * http://archive.apache.org/dist/harmony/</p> <p>NOTICE TEXT: Apache Harmony Copyright 2006, 2010 The Apache Software Foundation.</p> <p>This product includes software developed at The Apache Software Foundation (http://www.apache.org/).</p> <p>APACHE 2.0 - See Appendix E</p> <p>-> This product optionally depends on 'lz4', a LZ4 Java compression and decompression</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>library written by Adrien Grand. It can be obtained at:</p> <ul style="list-style-type: none"> * LICENSE: * license/LICENSE.lz4.txt (Apache License 2.0) * HOMEPAGE: * https://github.com/jpountz/lz4-java <p>LICENSE TEXT for Apache License 2.0 is provided below under COMMON LICENSE TEXT.</p> <p>--> This product optionally depends on 'lzma-java', a LZMA Java compression and decompression library, which can be obtained at:</p> <ul style="list-style-type: none"> * LICENSE: * license/LICENSE.lzma-java.txt (Apache License 2.0) * HOMEPAGE: * https://github.com/jponge/lzma-java <p>LICENSE TEXT for Apache License 2.0 is provided below under COMMON LICENSE TEXT.</p> <p>--> This product optionally depends on 'JBoss Marshalling', an alternative Java serialization API, which can be obtained at:</p> <ul style="list-style-type: none"> * LICENSE: * license/LICENSE.jboss-marshalling.txt (Apache License 2.0) * HOMEPAGE: * https://github.com/jboss-remoting/jboss-marshalling <p>LICENSE TEXT for Apache License 2.0 is provided below under COMMON LICENSE TEXT.</p> <p>--> This product optionally depends on 'Caliper', Google's micro- benchmarking framework, which can be obtained at:</p> <ul style="list-style-type: none"> * LICENSE: * license/LICENSE.caliper.txt (Apache License 2.0) * HOMEPAGE: * https://github.com/google/caliper <p>LICENSE TEXT for Apache License 2.0 is provided below under COMMON LICENSE TEXT.</p> <p>--> This product optionally depends on 'Apache Commons Logging', a logging framework, which can be obtained at:</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>* LICENSE: * license/LICENSE.commons-logging.txt (Apache License 2.0) * HOMEPAGE: * http://commons.apache.org/logging/ LICENSE TEXT for Apache License 2.0 is provided below under COMMON LICENSE TEXT. --> 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/ LICENSE TEXT for Apache License 2.0 is provided below under COMMON LICENSE TEXT. --> This product contains a modified version of 'HPACK', a Java implementation of the HTTP/2 HPACK algorithm written by Twitter. It can be obtained at: * LICENSE: * license/LICENSE.hpack.txt (Apache License 2.0) * HOMEPAGE: * https://github.com/twitter/hpack LICENSE TEXT for Apache License 2.0 is provided below under COMMON LICENSE TEXT. --> This product contains a modified portion of 'Apache Commons Lang', a Java library provides utilities for the java.lang API, which can be obtained at: * LICENSE: * license/LICENSE.commons-lang.txt (Apache License 2.0) * HOMEPAGE: * https://commons.apache.org/proper/commons-lang/ LICENSE TEXT for Apache License 2.0 is provided below under COMMON LICENSE TEXT. --> This product contains the Maven wrapper scripts from 'Maven Wrapper', that provides an easy way to ensure a user has everything necessary to run the Maven build. * LICENSE:</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>* license/LICENSE.mvn-wrapper.txt (Apache License 2.0)</p> <p>* HOMEPAGE:</p> <p>* https://github.com/takari/maven-wrapper</p> <p>LICENSE TEXT for Apache License 2.0 is provided below under COMMON LICENSE TEXT.</p> <p>COMMON LICENSE TEXT for Apache License 2.0 :</p> <p>Please refer to Apache License text mentioned under TOP-LEVEL LICENSE TEXT</p> <p>--> This product contains a modified portion of 'jzip2', a Java zip2 compression and decompression library written by Matthew J. Francis. It can be obtained at:</p> <p>* LICENSE:</p> <p>* license/LICENSE.jzip2.txt (MIT License)</p> <p>* HOMEPAGE:</p> <p>* https://code.google.com/p/jzip2/</p> <p>LICENSE TEXT:</p> <p>Copyright (c) 2010-2011 Matthew J. Francis and Contributors of the jzip2 Project</p> <p>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:</p> <p>The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.</p> <p>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.</p> <p>--> This product contains a modified portion of 'libdivsufsort', a C API library to construct the</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>suffix array and the Burrows-Wheeler transformed string for any input string of a constant-size alphabet written by Yuta Mori. It can be obtained at:</p> <p>* LICENSE: * license/LICENSE.libdivsufsort.txt (MIT License)</p> <p>* HOMEPAGE: * https://github.com/y-256/libdivsufsort</p> <p>LICENSE TEXT: Copyright (c) 2003-2008 Yuta Mori All Rights Reserved.</p> <p>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:</p> <p>The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.</p> <p>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.</p> <p>--> This product contains a modified portion of Nitsan Wakart's 'JCTools', Java Concurrency Tools for the JVM, which can be obtained at:</p> <p>* LICENSE: * license/LICENSE.jctools.txt (ASL2 License)</p> <p>* HOMEPAGE: * https://github.com/JCTools/JCTools</p> <p>LICENSE TEXT:</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Please refer to Apache License text mentioned under TOP-LEVEL LICENSE TEXT</p> <p>--> This product optionally depends on 'JZlib', a re-implementation of zlib in pure Java, which can be obtained at:</p> <p>* LICENSE:</p> <p>* license/LICENSE.jzlib.txt (BSD style License)</p> <p>* HOMEPAGE:</p> <p>* http://www.jcraft.com/jzlib/</p> <p>LICENSE TEXT:</p> <p>Copyright (c) 2000,2001,2002,2003,2004 ymnk, JCraft,Inc. All rights reserved.</p> <p>Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <ol style="list-style-type: none"> 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. <p>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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.</p> <p>--> This product optionally depends on 'Compress-LZF', a Java library for encoding and decoding data in LZF format, written by Tatu Saloranta. It can be obtained at:</p> <p>* LICENSE: * license/LICENSE.compress-lzf.txt (Apache License 2.0)</p> <p>* HOMEPAGE: * https://github.com/ning/compress</p> <p>LICENSE TEXT: Copyright 2009-2010 Ning, 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.</p> <p>--> This product contains a modified portion of 'jfastlz', a Java port of FastLZ compression and decompression library written by William Kinney. It can be obtained at:</p> <p>* LICENSE: * license/LICENSE.jfastlz.txt (MIT License)</p> <p>* HOMEPAGE: * https://code.google.com/p/jfastlz/</p> <p>LICENSE TEXT: The MIT License Copyright (c) 2009 William Kinney MIT License - See Appendix G</p> <p>--> This product contains a modified portion of and optionally depends on 'Protocol Buffers', Google's data interchange format, which can be obtained at:</p> <p>* LICENSE: * license/LICENSE.protobuf.txt (New BSD License)</p> <p>* HOMEPAGE: * https://github.com/google/protobuf</p> <p>LICENSE TEXT:</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Protocol Buffers - Google's data interchange format</p> <p>Copyright 2013 Google Inc. All rights reserved.</p> <p>https://developers.google.com/protocol-buffers/</p> <p>Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <ol style="list-style-type: none"> 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. <p>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.</p> <p>--> 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:</p> <p>* LICENSE: * license/LICENSE.bouncycastle.txt (MIT License)</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>* HOMEPAGE: * http://www.bouncycastle.org/</p> <p>LICENSE TEXT: The MIT License (MIT) Copyright (c) 2000 - 2013 The Legion of the Bouncy Castle Inc. (http://www.bouncycastle.org) MIT License - See Appendix G</p> <p>This product optionally depends on 'Snappy', a compression library produced by Google Inc, which can be obtained at:</p> <p>* LICENSE: * license/LICENSE.snappy.txt (New BSD License)</p> <p>* HOMEPAGE: * https://github.com/google/snappy</p> <p>LICENSE : Copyright 2011, Google Inc. All rights reserved.</p> <p>-> This product optionally depends on 'Aalto XML', an ultra-high performance non-blocking XML processor, which can be obtained at:</p> <p>* LICENSE: * license/LICENSE.aalto-xml.txt (Apache License 2.0)</p> <p>* HOMEPAGE: * http://wiki.fasterxml.com/AaltoHome</p> <p>LICENSE TEXT: This copy of Aalto XML processor is licensed under the Apache (Software) License, version 2.0 ("the License"). See the License for details about distribution rights, and the specific rights regarding derivate works. You may obtain a copy of the License at: http://www.apache.org/licenses/ A copy is also included with both the the downloadable source code package and jar that contains class bytecodes, as file "ASL 2.0". In both cases, that file should be located next to this file: in source distribution the location should be "release-notes/asl"; and in jar "META-INF"</p> <p>--> This product contains a modified version of 'HPACK', a Java implementation of the HTTP/2 HPACK algorithm written by Cory Benfield. It can be obtained at:</p> <p>* LICENSE:</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>* license/LICENSE.hyper-hpack.txt (MIT License)</p> <p>* HOMEPAGE: * https://github.com/python-hyper/hpack/</p> <p>LICENSE TEXT: The MIT License (MIT) Copyright (c) 2014 Cory Benfield MIT License - See Appendix G</p> <p>-> This product contains a modified version of 'HPACK', a Java implementation of the HTTP/2 HPACK algorithm written by Tatsuhiro Tsujikawa. It can be obtained at:</p> <p>* LICENSE: * license/LICENSE.nghttp2-hpack.txt (MIT License)</p> <p>* HOMEPAGE: * https://github.com/nghttp2/nghttp2/</p> <p>LICENSE TEXT: The MIT License Copyright (c) 2012, 2014, 2015, 2016 Tatsuhiro Tsujikawa Copyright (c) 2012, 2014, 2015, 2016 nghttp2 contributors MIT License - See Appendix G</p> <p>--> This product contains the dnsinfo.h header file, that provides a way to retrieve the system DNS configuration on MacOS.</p> <p>This private header is also used by Apple's open source mDNSResponder (https://opensource.apple.com/tarballs/mDNSResponder/).</p> <p>* LICENSE: * license/LICENSE.dnsinfo.txt (Apache License 2.0)</p> <p>* HOMEPAGE: * http://www.opensource.apple.com/source/configd/configd-453.19/dnsinfo/dnsinfo.h</p> <p>LICENSE TEXT : Copyright (c) 2004-2006, 2008, 2009, 2011 Apple Inc. All rights reserved. @APPLE_LICENSE_HEADER_START@ This file contains Original Code and/or Modifications of Original Code as defined in and that are subject to the Apple Public Source License Version 2.0 (the 'License'). You may not use this file except in compliance with the License. Please obtain a copy of the</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>License at http://www.opensource.apple.com/aps/ and read it before using this file.</p> <p>The Original Code and all software distributed under the License are distributed on an 'AS IS' basis, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, AND APPLE HEREBY DISCLAIMS ALL SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, QUIET ENJOYMENT OR NON-INFRINGEMENT.</p> <p>Please see the License for the specific language governing rights and limitations under the License.</p> <p>@APPLE_LICENSE_HEADER_END@</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Pivotal Software, Inc	spring-cloud-starter-kubernetes 1.0.3.RELEASE	<p>© 2020 Pivotal Software, Inc. All Rights Reserved</p> <p>-----</p> <p>TOP-LEVEL LICENSE TEXT for org.springframework.cloud:spring-cloud-starter-kubernetes:1.0.3.RELEASE Apache License - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #1 org.springframework.cloud:spring-cloud-kubernetes-core:1.0.3.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #2 org.springframework.cloud:spring-cloud-kubernetes-discovery:1.0.3.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #3 org.springframework.boot:spring-boot-autoconfigure:2.2.4.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #4 org.springframework.boot:spring-boot:2.2.4.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #5 org.springframework.cloud:spring-cloud-context:2.1.3.RELEASE</p> <p>APACHE 2.0 - See Appendix E</p> <p>© 2020 Pivotal Software, Inc. All Rights Reserved</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #1 io.fabric8:kubernetes-client:4.1.0</p> <p>FOURTH-PARTY DEPENDENCY #2 io.fabric8:kubernetes-model:4.1.0</p> <p>FOURTH-PARTY DEPENDENCY #3 com.fasterxml.jackson.module:jackson-module-jaxb-annotations:2.10.2</p> <p>FOURTH-PARTY DEPENDENCY #4 com.fasterxml.jackson.core:jackson-annotations:2.10.2</p> <p>FOURTH-PARTY DEPENDENCY #5 com.fasterxml.jackson.dataformat:jackson-dataformat-yaml:2.10.2</p> <p>FOURTH-PARTY DEPENDENCY #6 javax.validation:validation-api:2.0.1.Final</p> <p>FOURTH-PARTY DEPENDENCY #7 com.squareup.okhttp3:okhttp:3.14.6</p> <p>FOURTH-PARTY DEPENDENCY #8 com.squareup.okio:okio:1.17.2</p> <p>FOURTH-PARTY DEPENDENCY #9 com.squareup.okhttp3:logging-interceptor:3.14.6</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>FOURTH-PARTY DEPENDENCY #10 org.yaml:snakeyaml:1.25</p> <p>FOURTH-PARTY DEPENDENCY #11 io.fabric8:zjsonpatch:0.3.0</p> <p>FOURTH-PARTY DEPENDENCY #12 com.github.mifmif:generex:1.0.1</p> <p>FOURTH-PARTY DEPENDENCY #13 org.springframework.security:spring-security-crypto:5.2.1.RELEASE</p> <p>APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #1 jakarta.xml.bind:jakarta.xml.bind-api:2.3.2</p> <p>FOURTH-PARTY DEPENDENCY #2 jakarta.activation:jakarta.activation-api:1.2.1</p> <p>Eclipse Distribution License - v 1.0</p> <p>Copyright (c) 2007, Eclipse Foundation, Inc. and its licensors.</p> <p>All rights reserved.</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #1 org.slf4j:slf4j-api:1.7.30</p> <p>MIT License - See Appendix G</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #1 dk.brics.automaton:automaton:1.11-8</p> <p>BSD License - See Appendix N</p> <p>Copyright © 2001-2017 Department of Computer Science, Aarhus University</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #1 org.springframework:spring-core: 5.2.3.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #2 org.springframework:spring-jcl: 5.2.3.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #3 org.springframework:spring-context: 5.2.3.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #4 org.springframework:spring-aop: 5.2.3.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #5 org.springframework:spring-beans: 5.2.3.RELEASE</p> <p>FOURTH-PARTY DEPENDENCY #6 org.springframework:spring-expression: 5.2.3.RELEASE</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		Apache License - See Appendix E

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Spring IO	spring-cloud-starter-kubernetes-config 1.0.2.RELEASE	<p>Copyright 2013-2018 the original author or authors. APACHE 2.0 - See Appendix E</p> <p>com.fasterxml.jackson.core:jackson-annotations</p> <p>Copyright © 2008–2016 FasterXML. All rights reserved.</p> <p>com.fasterxml.jackson.dataformat:jackson-dataformat-yaml</p> <p>com.fasterxml.jackson.module:jackson-module-jaxb-annotations</p> <p>Copyright © 2016 FasterXML. All rights reserved.</p> <p>com.github.mifmif:generex</p> <p>Copyright © 2016. All Rights Reserved.</p> <p>com.squareup.okhttp3:logging-interceptor</p> <p>Copyright (C) 2015 Square, Inc. APACHE 2.0 - See Appendix E</p> <p>com.squareup.okhttp3:logging-interceptor</p> <p>com.squareup.okio:okio</p> <p>Copyright (C) 2017 Square, Inc. APACHE 2.0 - See Appendix E</p> <p>dk.brics.automaton:automaton</p> <p>Copyright © 2011. All Rights Reserved.</p> <p>io.fabric8:kubernetes-client</p> <p>io.fabric8:kubernetes-model</p> <p>Copyright © 2015–2018 Red Hat. All rights reserved.</p> <p>io.fabric8:zjsonpatch</p> <p>Copyright 2016 flipkart.com zjsonpatch. APACHE 2.0 - See Appendix E</p> <p>Copyright (C) 2016 Red Hat, Inc. APACHE 2.0 - See Appendix E</p> <p>javax.validation:validation-api</p> <p>Copyright © 2007-2013. All Rights Reserved.</p> <p>org.springframework.boot:spring-boot</p> <p>org.springframework.boot:spring-boot-autoconfigure</p> <p>org.springframework.cloud:spring-cloud-context</p> <p>org.springframework.security:spring-security-crypto</p> <p>org.springframework:spring-aop</p> <p>org.springframework:spring-beans</p> <p>org.springframework:spring-context</p> <p>org.springframework:spring-core</p> <p>org.springframework:spring-expression</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>org.springframework:spring-jcl Copyright © 2019 Pivotal Software, Inc.. All rights reserved.</p> <p>org.springframework.cloud:spring-cloud-kubernetes-config org.springframework.cloud:spring-cloud-kubernetes-core Copyright © 2017–2019 Pivotal Software, Inc.. All rights reserved. APACHE 2.0 - See Appendix E</p> <p>org.slf4j:jul-to-slf4j org.slf4j:slf4j-api The MIT License (MIT) Copyright (c) 2004-2017 QOS.ch All rights reserved. See Appendix G</p>
Spring IO	spring-cloud-starter-kubernetes-config 1.0.3.RELEASE	<p>© 2020 Pivotal Software, Inc. All Rights Reserved ----- TOP-LEVEL LICENSE TEXT for org.springframework.cloud:spring-cloud-starter-kubernetes-config:1.0.3.RELEASE APACHE 2.0 - See Appendix E ----- FOURTH-PARTY DEPENDENCY #1 org.springframework.cloud:spring-cloud-kubernetes-core 1.0.3.RELEASE FOURTH-PARTY DEPENDENCY #2 org.springframework.cloud:spring-cloud-kubernetes-config 1.0.3.RELEASE FOURTH-PARTY DEPENDENCY #3 io.fabric8:kubernetes-client 4.1.0 FOURTH-PARTY DEPENDENCY #4 org.springframework.boot:spring-boot-autoconfigure 2.2.4.RELEASE FOURTH-PARTY DEPENDENCY #5 org.springframework.cloud:spring-cloud-context 2.2.1.RELEASE COMMON COPYRIGHT NOTICES Copyright © 2020 Pivotal Software, Inc.. All rights reserved. APACHE 2.0 - See Appendix E</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Marty Pitt, Dilip Krishnan, and Adrian Kelly	Springfox 2.9.2	<p>Copyright 2015 Marty Pitt - @martypitt, Dilip Krishnan - @dilipkrish, Adrian Kelly - @adrianbk, 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 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 2.0 - See Appendix E</p> <p>Below are 4th party dependencies:</p> <p>=====</p> <p>byte-buddy 1.6.14</p> <p>=====</p> <p>byte-buddy is licensed under the Apache License 2.0 Copyright 2019 Rafael Winterhalter, Scienta AS, Arbinsgate 11, 0253 Oslo, Norway</p> <p>=====</p> <p>cglib 3.2.5</p> <p>=====</p> <p>Copyright 2003 The Apache Software Foundation Licensed under the Apache License, Version 2.0 (the "License")</p> <p>=====</p> <p>classmate 1.3.3</p> <p>=====</p> <p>classmate is licensed under the Apache License 2.0 Copyright ©2009-2011 FasterXML, LLC. All rights reserved unless otherwise indicated.</p> <p>=====</p> <p>Groovy 2.4.8</p> <p>=====</p> <p>Groovy is licensed under the terms of the Apache License, Version 2.0 Copyright 2003-2018 The Apache Software Foundation This product bundles icons from the famfamfam.com silk icons set http://www.famfamfam.com/lab/icons/silk/ Licensed under the Creative Commons Attribution Licence v2.5 http://creativecommons.org/licenses/by/2.5/ Creative Commons Attribution License, Attribution 2.5 - See Appendix U</p> <p>=====</p> <p>guava 18.0</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>===== Copyright (C) 2010 The Guava Authors Licensed under the Apache License, Version 2.0 (the "License") =====</p> <p>jackson-databind 2.8.7 =====</p> <p>jackson-databind is licensed under Apache License 2.0. Copyright ©2009-2011 FasterXML, LLC. All rights reserved unless otherwise indicated. =====</p> <p>jackson-core 2.8.7 =====</p> <p>jackson-core is licensed under Apache License 2.0. Copyright ©2009-2011 FasterXML, LLC. All rights reserved unless otherwise indicated. =====</p> <p>jackson-annotations 2.8.7 =====</p> <p>jackson-annotations is licensed under Apache License 2.0. Copyright ©2009-2011 FasterXML, LLC. All rights reserved unless otherwise indicated. =====</p> <p>snakeyaml 1.18 =====</p> <p>Copyright (c) 2008, http://www.snakeyaml.org Licensed under the Apache License, Version 2.0 (the "License") =====</p> <p>spock 1.1 =====</p> <p>Copyright 2010 the original author or authors. Licensed under the Apache License, Version 2.0 (the "License") =====</p> <p>spring 4.3.8 =====</p> <p>The Spring Framework is released under version 2.0 of the Apache License. Copyright (c) 2002-2018 Pivotal, Inc. =====</p> <p>springHateoas 0.23.0 =====</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>Copyright 2017 the original author or authors. Licensed under the Apache License, Version 2.0 (the "License") =====</p> <p>springDataRest 2.6.3 =====</p> <p>Copyright 2012-2018 the original author or authors. Licensed under the Apache License, Version 2.0 (the "License") =====</p> <p>springPluginVersion 1.2.0 =====</p> <p>Copyright 2012-2018 the original author or authors. Licensed under the Apache License, Version 2.0 (the "License") =====</p> <p>springBoot 1.4.4 =====</p> <p>Copyright 2012-2017 the original author or authors. Licensed under the Apache License, Version 2.0 (the "License") =====</p> <p>swagger2Core 1.5.13 =====</p> <p>Copyright 2016 SmartBear Software Licensed under the Apache License, Version 2.0 (the "License") ***** *****</p> <p>org.slf4j:slf4j-api:1.7.25 (Apache License version 2)</p>
springfox Project	springfox-swagger-ui 2.9.2	<p>Copyright 2015 the original author or authors. APACHE 2.0 - See Appendix E</p> <p>It has the following open source dependency: springfox-spring-web v2.9.2 :</p> <p>Copyright 2015 the original author or authors. APACHE 2.0 - See Appendix E</p> <p>see: https://github.com/springfox/springfox</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Pivotal, Inc.	Spring Framework 5.2.3	<p>APACHE 2.0 - See Appendix E</p> <p>Spring Framework 5.2.3 includes a number of subcomponents with separate copyright notices and license terms. The product that includes this file does not necessarily use all the open source subcomponents referred to below. Your use of the source code for these subcomponents is subject to the terms and conditions of the following licenses. >>> ASM 4.0 (org.ow2.asm:asm:4.0, org.ow2.asm:asm-commons:4.0): 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 are met:</p> <ol style="list-style-type: none"> 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. <p>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</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
		<p>SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.</p> <p>Copyright (c) 1999-2009, OW2 Consortium <http://www.ow2.org/> >>> CGLIB 3.0 (cglib:cglib:3.0): APACHE 2.0 - See Appendix E</p> <p>=====</p> <p>=====</p> <p>To the extent any open source subcomponents are licensed under the EPL and/or other similar licenses that require the source code and/or modifications to source code to be made available (as would be noted above), you may obtain a copy of the source code corresponding to the binaries for such open source components and modifications thereto, if any, (the "Source Files"), by downloading the Source Files from http://www.springsource.org/download, or by sending a request, with your name and address to: Pivotal, Inc., 875 Howard St, San Francisco, CA 94103 United States of America or email info@pivotal.io. All such requests should clearly specify: OPEN SOURCE FILES REQUEST Attention General Counsel Pivotal shall mail a copy of the Source Files to you on a CD or equivalent physical medium. This offer to obtain a copy of the Source Files is valid for three years from the date you acquired this Software product.</p> <p>*****</p> <p>Spring Framework 5.2.3 Copyright (c) 2002-2018 Pivotal, Inc. APACHE 2.0 - See Appendix E</p> <p>This product may include a number of subcomponents with separate copyright notices and license terms. Your use of the source code for these subcomponents is subject to the terms and conditions of the subcomponent's license, as noted in the license.txt file.</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Spring IO	spring-kafka 2.2.5.RELEASE	<p>Copyright 2018 the original author or authors. APACHE 2.0 - See Appendix E Below are 4th party dependencies. Springframework, v5.0.9.RELEASE, Apache 2.0 Copyright 2002-2018 the original author or authors. APACHE 2.0 - See Appendix E +++++</p> <p>+ kafka, v2.0.0, Apache 2.0 Apache Kafka Copyright 2018 The Apache Software Foundation. APACHE 2.0 - See Appendix E +++++</p> <p>+ Jackson, v2.9.6, Apache 2.0 APACHE 2.0 - See Appendix E +++++</p> <p>+++++ json-path, v2.4.0, Apache 2.0 (Optional) Copyright 2017 Jayway APACHE 2.0 - See Appendix E</p>
Pivotal Software, Inc	Spring Retry 1.2.5	<p>spring-retry 1.2.5 © 2019 Pivotal Software, Inc. All Rights Reserved. License: Apache License Version 2.0 APACHE 2.0 - See Appendix E 4th -party dependencies: spring-core 4.3.22 License: Apache License Version 2.0 APACHE 2.0 - See Appendix E spring-jcl 4.3.22 License: Apache License Version 2.0 APACHE 2.0 - See Appendix E commons-logging 1.2 License: Apache License Version 2.0 APACHE 2.0 - See Appendix E Apache Commons Logging Copyright 2003-2014 The Apache Software Foundation This product includes software developed at The Apache Software Foundation (http:// www.apache.org/).</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
Free Software Foundation, Inc	tar 1.26-35	<p>Copyright (C) 1985-2017 Free Software Foundation, Inc.</p> <p>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 3 of the License, or (at your option) any later version.</p> <p>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.</p> <p>You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>. See Appendix W</p>
The Apache Software Foundation	Tomcat Embedded 9.0.26	<p>APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>Fourth party dependency: tomcat-annotations-api 9.0.26 (Apache 2.0)</p> <p>-----</p> <p>Copyright Apache Tomcat Copyright 1999-2019 The Apache Software Foundation</p> <p>-----</p> <p>tomcat-embed-websocket 9.0.26 (Apache 2.0)</p> <p>Copyright Apache Tomcat Copyright 1999-2019 The Apache Software Foundation</p>

Table 3-1 (Cont.) Cloud Native Core Licensing Information

Provider	Component (s)	Licensing Information
The Apache Software Foundation	Tomcat Embedded 9.0.30	<p>APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>Fourth party dependency: tomcat-annotations-api 9.0.30 (Apache 2.0)</p> <p>-----</p> <p>Copyright Apache Tomcat Copyright 1999-2019 The Apache Software Foundation</p> <p>-----</p> <p>tomcat-embed-websocket 9.0.30 (Apache 2.0)</p> <p>Copyright Apache Tomcat Copyright 1999-2019 The Apache Software Foundation</p>
Free Software Foundation, Inc.	wget 1.14-18	Copyright (C) 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011 Free Software Foundation, Inc. GPL v3 - See Appendix W

A

GNU General Public License, Version 2 (GPL-2.0)

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 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. In addition, 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

1. 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.

2. 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.

3. 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, does 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.

4. 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.

5. 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.

6. You are not required to accept this License, since you have not signed it. However, nothing else grants your 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.

7. 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.

8. 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.

9. 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.

10. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions are 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.

11. 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 is 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

1. 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.

2. 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.

B

GNU General Public License, Version 2 (GPL-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. In addition, 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 does. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

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

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

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

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

Terms and Conditions for Copying, Distribution, And Modification

Terms and Conditions for Copying, Distribution, And Modification

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

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

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

straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification.")

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

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

2. 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.

3. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a. The modified work must itself be a software library.

b. You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c. You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d. If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, does 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.

4. 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.

5. 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.

6. 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.

7. 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 (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) operates properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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

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

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

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

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

8. 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.

9. 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.

10. You are not required to accept this License, since you have not signed it. However, nothing else grants your 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.

11. 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.

12. 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.

13. 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.

14. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions are 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.

15. 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 is 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

16. 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.

17. 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.

C

GNU Lesser General Public License, version 3 (LGPL-3)

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.

1. Additional Definitions.

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.

2. 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.

3. 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 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.

4. 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.

5. 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 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:

1. 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.

2. 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 for conveying Corresponding Source.)

6. 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.

1. 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.

7. 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 are 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 a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

D

Apache License, Version 1.1 (Apache 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 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.

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

E

Apache License, version 2.0 (Apache 2.0)

1. Definitions.

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

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

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

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

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

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

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

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

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

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

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

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

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided 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 such additional attribution notices cannot be construed as modifying the License. You may add your own copyright statement to your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of your modifications, or for any such Derivative Works as a whole, provided your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

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

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

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

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

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

F

The FreeBSD Project

(Required) Enter introductory text here, including the definition and purpose of the concept.

Copyright 1992-2017 The FreeBSD Project. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided 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.

The views and conclusions contained in the software and documentation are those of the authors and should not be interpreted as representing official policies, either expressed or implied, of the FreeBSD Project.

G

The MIT License (MIT)

Copyright (c) <year> <copyright holders>

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 are 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.

H

Zlib License

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

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

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

ACE- 6.4.7 License

Copyright and Licensing Information for ACE(TM), TAO(TM), CIAO(TM), DAnCE(TM), and CoSMIC(TM)

ACE(TM), TAO(TM), CIAO(TM), DAnCE(TM), and CoSMIC(TM) (henceforth referred to as "DOC software") are copyrighted by Douglas C. Schmidt and his research group at Washington University, University of California, Irvine, and Vanderbilt University, Copyright (c) 1993-2018, all rights reserved.

Since DOC software is open-source, freely available software, you are free to use, modify, copy, and distribute--perpetually and irrevocably--the DOC software source code and object code produced from the source, as well as copy and distribute modified versions of this software. You must, however, include this copyright statement along with any code built using DOC software that you release. No copyright statement needs to be provided if you just ship binary executables of your software products.

You can use DOC software in commercial and/or binary software releases and are under no obligation to redistribute any of your source code that is built using DOC software. Note, however, that you may not misappropriate the DOC software code, such as copyrighting it yourself or claiming authorship of the DOC software code, in a way that will prevent DOC software from being distributed freely using an open-source development model. You needn't inform anyone that you're using DOC software in your software, though we encourage you to let us know so we can promote your project in the DOC software success stories.

The ACE, TAO, CIAO, DAnCE, and CoSMIC web sites are maintained by the DOC Group at the Institute for Software Integrated Systems (ISIS) and the Center for Distributed Object Computing of Washington University, St. Louis for the development of open-source software as part of the open-source software community. Submissions are provided by the submitter ``as is'' with no warranties whatsoever, including any warranty of merchantability, noninfringement of third party intellectual property, or fitness for any particular purpose. In no event shall the submitter be liable for any direct, indirect, special, exemplary, punitive, or consequential damages, including without limitation, lost profits, even if advised of the possibility of such damages. Likewise, DOC software is provided as is with no warranties of any kind, including the warranties of design, merchantability, and fitness for a particular purpose, noninfringement, or arising from a course of dealing, usage or trade practice. Washington University, UC Irvine, Vanderbilt University, their employees, and students shall have no liability with respect to the infringement of copyrights, trade secrets or any patents by DOC software or any part thereof. Moreover, in no event will Washington University, UC Irvine, or Vanderbilt University, their employees, or students be liable for any lost revenue or profits or other special, indirect and consequential damages.

DOC software is provided with no support and without any obligation on the part of Washington University, UC Irvine, Vanderbilt University, their employees, or students to assist in its use, correction, modification, or enhancement. A number of companies around the world provide commercial support for DOC software, however. DOC software is Y2K-compliant, as long as the underlying OS platform is Y2K-compliant.

Likewise, DOC software is compliant with the new US daylight savings rule passed by Congress as "The Energy Policy Act of 2005," which established new daylight savings times (DST) rules for the United States that expand DST as of March 2007. Since DOC software obtains time/date and calendaring information from operating systems users will not be affected by the new DST rules as long as they upgrade their operating systems accordingly.

The names ACE(TM), TAO(TM), CIAO(TM), DAnCE(TM), CoSMIC(TM), Washington University, UC Irvine, and Vanderbilt University, may not be used to endorse or promote products or services derived from this source without express written permission from Washington University, UC Irvine, or Vanderbilt University. This license grants no permission to call products or services derived from this source ACE(TM), TAO(TM), CIAO(TM), DAnCE(TM), or CoSMIC(TM), nor does it grant permission for the name Washington University, UC Irvine, or Vanderbilt University to appear in their names.

J

ECLIPSE 1.0 License

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.

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

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

4.COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims,

lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

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

5. NO WARRANTY

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

6. DISCLAIMER OF LIABILITY

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

7. GENERAL

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

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

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

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement.

The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

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

K

PHP License

```
=====  
=====  
File 1 of 38: LICENSE  
=====  
===== ----- The PHP License, version 3.01 Copyright (c) 1999 - 2010  
The PHP Group. All rights reserved.  
-----  
  
Redistribution and use in source and binary forms, with or without modification, is  
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 "PHP" must not be used to endorse or promote products derived from  
this software without prior written permission. For written permission, please  
contact  
group@php.net  
.  
  
4. Products derived from this software may not be called "PHP", nor may "PHP"  
appear in their name, without prior written permission from group@php.net. You  
may indicate that your software works in conjunction with PHP by saying "Foo for  
PHP" instead of calling it "PHP Foo" or "phpfoo" 5. The PHP Group may publish  
revised and/or new versions of the license from time to time. Each version will be  
given a distinguishing version number. Once covered code has been published  
under a particular version of the license, you may always continue to use it under  
the terms of that version. You may also choose to use such covered code under  
the terms of any subsequent version of the license published by the PHP Group.  
No one other than the PHP Group has the right to modify the terms applicable to  
covered code created under this License. 6. Redistributions of any form  
whatsoever must retain the following acknowledgment: "This product includes  
PHP software, freely available from <http://www.php.net/software/>".  
  
THIS SOFTWARE IS PROVIDED BY THE PHP DEVELOPMENT TEAM ``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 PHP  
DEVELOPMENT TEAM 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
```

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 "PHP" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact group@php.net.
4. Products derived from this software may not be called "PHP", nor may "PHP" appear in their name, without prior written permission from group@php.net. You may indicate that your software works in conjunction with PHP by saying "Foo for PHP" instead of calling it "PHP Foo" or "phpfoo" 5. The PHP Group may publish revised and/or new versions of the license from time to time. Each version will be given a distinguishing version number. Once covered code has been published under a particular version of the license, you may always continue to use it under the terms of that version. You may also choose to use such covered code under the terms of any subsequent version of the license published by the PHP Group. No one other than the PHP Group has the right to modify the terms applicable to covered code created under this License. 6. Redistributions of any form whatsoever must retain the following acknowledgment: "This product includes PHP software, freely available from <<http://www.php.net/software/>>".

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 PHP Group. The PHP Group can be contacted via Email at group@php.net. For more information on the PHP Group and the PHP project, please see <http://www.php.net>. PHP includes the Zend Engine, freely available at <http://www.zend.com>.

=====
 ===== File 2 of 38: config.GUESS

=====
 ===== Copyright (C) 1984, 1989, 1990, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008 Free Software Foundation, Inc. timestamp='2008-01-23' 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. 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 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.

=====
 ===== File 3 of 38: configure

=====
 ===== Copyright (C) 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008 Free Software Foundation, Inc. This configure script is free software; the Free Software Foundation gives unlimited permission to copy, distribute and modify it.

=====
 ===== File 4 of 38: header

=====
 ===== +-----+ |
 Copyright (c) 1997-2013 The PHP Group |
 +-----+ | This source file is subject to
 version 3.01 of the PHP license, | | that is bundled with this package in the file
 LICENSE, and is | | available through the world-wide-web at the following url: | | http://www.php.net/license/3_01.txt | | If you did not receive a copy of the PHP license and
 are unable to | | obtain it through the world-wide-web, please send a note to | |
license@php.net so we can mail you a copy immediately. |

=====
 ===== File 5 of 38: build/shtool

=====
 ===== ## Copyright (c) 1994-2008 Ralf S. Engelschall
rse@engelschall.com ## ## See <http://www.gnu.org/software/shtool/> for more
 information. ## See <ftp://ftp.gnu.org/gnu/shtool/> for latest version. ## ## Version: 2.0.8
 (18-Jul-2008) ## Contents: 5/19 available modules ## 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, or contact Ralf S. Engelschall <rse@engelschall.com>. NOTICE: Given that you include this file verbatim into your own source tree, you are justified in saying that it remains separate from your package, and that this way you are simply just using GNU shtool. So, in this situation, there is no requirement that your package itself is licensed under the GNU General Public License in order to take advantage of GNU shtool.

```
=====
===== File 6 of 38: ext/bcmath/libbcmath/src/add.c
=====
```

```
===== Copyright (C) 1991, 1992, 1993, 1994, 1997 Free Software
Foundation, Inc. Copyright (C) 2000 Philip A. Nelson 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 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. (COPYING.LIB) 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. 59 Temple Place, Suite 330 Boston,
MA 02111-1307 USA.
```

```
=====
===== File 7 of 38: ext/bcmath/libbcmath/COPYING.LIB
=====
```

```
===== GNU LESSER GENERAL PUBLIC LICENSE Version 2.1,
February 1999 Copyright (C) 1991, 1999 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.
[This is the first released version of the Lesser GPL. It also counts as the successor of
the GNU Library Public License, version 2, hence the version number 2.1.] Preamble
The licenses for most software are designed to take away your freedom to share and
change it. By contrast, the GNU General Public Licenses are intended to guarantee
your freedom to share and change free software--to make sure the software is free for
all its users. This license, the Lesser General Public License, applies to some specially
designated software packages--typically libraries--of the Free Software Foundation
and other authors who decide to use it. You can use it too, but we suggest you first
think carefully about whether this license or the ordinary General Public License is the
better strategy to use in any particular case, based on the explanations below. When
we speak of free software, we are referring to freedom of use, not price. Our General
Public Licenses are designed to make sure that you have the freedom to distribute
copies of free software (and charge for this service if you wish); that you receive
source code or can get it if you want it; that you can change the software and use
pieces of it in new free programs; and that you are informed that you can do these
things. To protect your rights, we need to make restrictions that forbid distributors to
deny you these rights or to ask you to surrender these rights. These restrictions
translate to certain responsibilities for you if you distribute copies of the library or if you
modify it. For example, if you distribute copies of the library, whether gratis or for a fee,
you must give the recipients all the rights that we gave you. You must make sure that
they, too, receive or can get the source code. If you link other code with the library,
you must provide complete object files to the recipients, so that they can relink them
with the library after making changes to the library and recompiling it. And you must
```

show them these terms so they know their rights. We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library. To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others. Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license. Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs. When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library. We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances. For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License. In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system. Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library. The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run. GNU LESSER GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION 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 included without limitation in the term "modification".) "Source code" for a

work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library. Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library. You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.
2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:
 - a) The modified work must itself be a software library.
 - b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
 - c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
 - d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful. (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.) These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it. Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library. In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.
1. 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.

2. 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.
3. 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.
4. 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 (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with. c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution. d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place. e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy. For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable. It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

5. 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.
6. 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.
7. 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.
8. 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.
9. 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.

10. 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.
11. 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 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 version 2 of the License, or (at your option) any later version. This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU 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., 59 Temple Place, Suite 330, Boston, MA 02111-1307 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!

```
=====
===== File 8 of 38: ext/calendar: dow.c
=====
```

```
===== * Copyright 1993-1995, Scott E. Lee, all rights reserved. *
Permission granted to use, copy, modify, distribute and sell so long as * the above
copyright and this permission statement are retained in all * copies. THERE IS NO
WARRANTY - USE AT YOUR OWN RISK.
=====
```

```
===== File 9 of 38: ext/ereg/regex/COPYRIGHT
=====
```

```
===== Copyright 1992, 1993, 1994 Henry Spencer. All rights reserved.
This software is not subject to any license of the American Telephone and Telegraph
Company or of the Regents of the University of California. Permission is granted to
anyone to use this software for any purpose on any computer system, and to alter it
and redistribute it, subject to the following restrictions: 1. The author is not responsible
for the consequences of use of this software, no matter how awful, even if they arise
from flaws in it. 2. The origin of this software must not be misrepresented, either by
explicit claim or by omission. Since few users ever read sources, credits must appear
in the documentation. 3. Altered versions must be plainly marked as such, and must
not be misrepresented as being the original software. Since few users ever read
sources, credits must appear in the documentation. 4. This notice may not be removed
or altered.
=====
```

=====
===== File 10 of 38: ext/fileinfo/libmagic/LICENSE
=====

=====
===== Author: Christos Zoulas <christos@zoulas.com> Download:
ftp://ftp.astron.com/pub/file/ Files: * Copyright: (C) 1985-1995 Ian F. Darwin (C)
1994-2009 Christos Zoulas <christos@zoulas.com> License: BSD 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. . 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.
=====

=====
===== File 11 of 38: ext/gd/libgd/COPYING
=====

=====
===== Portions copyright 1994, 1995, 1996, 1997, 1998, 1999, 2000,
2001, 2002 by Cold Spring Harbor Laboratory. Funded under Grant P41-RR02188 by
the National Institutes of Health. Portions copyright 1996, 1997, 1998, 1999, 2000,
2001, 2002 by Boutell.Com, Inc. Portions relating to GD2 format copyright 1999, 2000,
2001, 2002 Philip Warner. Portions relating to PNG copyright 1999, 2000, 2001, 2002
Greg Roelofs. Portions relating to gdttf.c copyright 1999, 2000, 2001, 2002 John
Ellson (ellson@lucent.com). Portions relating to gdft.c copyright 2001, 2002 John
Ellson (ellson@lucent.com). Portions copyright 2000, 2001, 2002, 2003, 2004, 2005,
2006, 2007 2008, 2009 Pierre-Alain Joye (pierre@libgd.org). Portions relating to JPEG
and to color quantization copyright 2000, 2001, 2002, Doug Becker and copyright (C)
1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, Thomas G. Lane. This
software is based in part on the work of the Independent JPEG Group. See the file
README-JPEG.TXT for more information. Portions relating to WBMP copyright 2000,
2001, 2002 Maurice Szmurlo and Johan Van den Brande. Permission has been
granted to copy, distribute and modify gd in any context without fee, including a
commercial application, provided that this notice is present in user-accessible
supporting documentation. This does not affect your ownership of the derived work
itself, and the intent is to assure proper credit for the authors of gd, not to interfere with
your productive use of gd. If you have questions, ask. "Derived works" includes all
programs that utilize the library. Credit must be given in user-accessible
documentation. This software is provided "AS IS." The copyright holders disclaim all
warranties, either express or implied, including but not limited to implied warranties of
merchantability and fitness for a particular purpose, with respect to this code and
accompanying documentation. Although their code does not appear in gd, the authors
wish to thank David Koblas, David Rowley, and Hutchison Avenue Software
Corporation for their prior contributions.
=====

=====
 ===== File 12 of 38: ext/gd/libgd/README
 =====

=====
 ===== This directory contains the GD library available from <http://www.boutell.com/gd/> The inclusion of this library with PHP is in response to the popularity of the GD extension and the GD library itself. We felt it would be worthwhile to make sure everyone had access to the features of GD and by bundling GD with PHP we have a known target to work against. In addition to the above, a number of motivated PHP hackers have expressed an interest in extending the functionality of the PHP-GD combination. By putting a version of GD into PHP CVS we have provided a sandbox for them to throw sand at each other in. Any and all improvements we make to the GD library will be contributed back to the original maintainers of this library at boutell.com. The following statement is from the original GD package: Credits and license terms In order to resolve any possible confusion regarding the authorship of gd, the following copyright statement covers all of the authors who have required such a statement. _If you are aware of any oversights in this copyright notice, please contact Thomas Boutell who will be pleased to correct them._ COPYRIGHT STATEMENT FOLLOWS THIS LINE Portions copyright 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001 by Cold Spring Harbor Laboratory. Funded under Grant P41-RR02188 by the National Institutes of Health. Portions copyright 1996, 1997, 1998, 1999, 2000, 2001 by Boutell.Com, Inc. Portions relating to GD2 format copyright 1999, 2000 Philip Warner. Portions relating to PNG copyright 1999, 2000 Greg Roelofs. Portions relating to libtiff copyright 1999, 2000 John Ellson (ellson@lucent.com). Portions relating to JPEG and to color quantization copyright 2000, Doug Becker and copyright (C) 1994-1998, Thomas G. Lane. This software is based in part on the work of the Independent JPEG Group. See the file README-JPEG.TXT for more information. Portions relating to WBMP copyright 2000 Maurice Szmurlo and Johan Van den Brande. _Permission has been granted to copy, distribute and modify gd in any context without fee, including a commercial application, provided that this notice is present in user-accessible supporting documentation._ This does not affect your ownership of the derived work itself, and the intent is to assure proper credit for the authors of gd, not to interfere with your productive use of gd. If you have questions, ask. "Derived works" includes all programs that utilize the library. Credit must be given in user-accessible documentation. _This software is provided "AS IS."_ The copyright holders disclaim all warranties, either express or implied, including but not limited to implied warranties of merchantability and fitness for a particular purpose, with respect to this code and accompanying documentation. Although their code does not appear in gd 2.0.1, the authors wish to thank David Koblas, David Rowley, and Hutchison Avenue Software Corporation for their prior contributions. END OF COPYRIGHT STATEMENT

=====
 ===== File 13 of 38: ext/gd/libgd/webpimg.c
 =====

=====
 ===== - Copyright 2010 Google Inc. - - This code is licensed under the same terms as WebM: - Software License Agreement: <http://www.webmproject.org/license/software/> - Additional IP Rights Grant: <http://www.webmproject.org/license/additional/>
 =====

=====
 ===== File 14 of 38: <http://www.webmproject.org/license/software/>
 =====

=====
 ===== Software License Copyright (c) 2010, 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. 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 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.

=====
 ===== File 15 of 38: <http://www.webmproject.org/license/additional/>
 =====

=====
 ===== Additional IP Rights Grant (Patents) "These implementations" means the copyrightable works that implement the WebM codecs distributed by Google as part of the WebM Project. Google 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, transfer, and otherwise run, modify and propagate the contents of these implementations of WebM, where such license applies only to those patent claims, both currently owned by Google and acquired in the future, licensable by Google that are necessarily infringed by these implementations of WebM. This grant does not include claims that would be infringed only as a consequence of further modification of these implementations. If you or your agent or exclusive licensee institute or order or agree to the institution of patent litigation or any other patent enforcement activity against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that any of these implementations of WebM or any code incorporated within any of these implementations of WebM constitutes direct or contributory patent infringement, or inducement of patent infringement, then any patent rights granted to you under this License for these implementations of WebM shall terminate as of the date such litigation is filed.

=====
 ===== File 16 of 38: `ext/json/JSON_parser.c`
 =====

=====
 ===== Copyright (c) 2005 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.

```
=====  
===== File 17 of 38: ext/mbstring/libmbfl/filters/cp932_table.h  
=====  
===== * Copyright (c) 1998-2002 HappySize, Inc. All rights reserved. *  
* LICENSE NOTICES * * This file is part of "streamable kanji code filter and converter",  
* which is distributed under the terms of GNU Lesser General Public * License (version  
2) as published by the Free Software Foundation. * * This software is distributed in the  
hope that it will be useful, * but WITHOUT ANY WARRANTY; without even the implied  
warranty of * MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. 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 "streamable  
kanji code filter and converter"; * if not, write to the Free Software Foundation, Inc., 59  
Temple Place, * Suite 330, Boston, MA 02111-1307 USA  
=====  
===== File 18 of 38: ext/mbstring/oniguruma/enc/ascii.c  
=====  
===== * Copyright (c) 2002-2007 K.Kosako <sndgk393 AT ybb DOT  
ne DOT jp> * 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.  
=====  
===== File 19 of 38: ext/mbstring/oniguruma/enc/gb18030.c  
=====  
===== * Copyright (c) 2005 KUBO Takehiro <kubo AT jjubao DOT  
org> * K.Kosako <sndgk393 AT ybb DOT ne DOT jp> * 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.

=====
===== File 20 of 38: ext/mbstring/ucgendat/OPENLDAP_LICENSE
=====

=====
===== The OpenLDAP Public License Version 2.8, 17 August 2003
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 in source form must retain copyright statements and notices, 2.
Redistributions in binary form must reproduce applicable copyright statements and
notices, this list of conditions, and the following disclaimer in the documentation and/or
other materials provided with the distribution, and 3. Redistributions must contain a
verbatim copy of this document. The OpenLDAP Foundation may revise this license
from time to time. Each revision is distinguished by a version number. You may use
this Software under terms of this license revision or under the terms of any subsequent
revision of the license. THIS SOFTWARE IS PROVIDED BY THE OPENLDAP
FOUNDATION AND ITS CONTRIBUTORS ``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 OPENLDAP
FOUNDATION, ITS CONTRIBUTORS, OR THE AUTHOR(S) OR OWNER(S) OF THE
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. The names of the authors and copyright holders must not be
used in advertising or otherwise to promote the sale, use or other dealing in this
Software without specific, written prior permission. Title to copyright in this Software
shall at all times remain with copyright holders. OpenLDAP is a registered trademark
of the OpenLDAP Foundation. Copyright 1999-2003 The OpenLDAP Foundation,
Redwood City, California, USA. All Rights Reserved. Permission to copy and distribute
verbatim copies of this document is granted.

=====
===== File 21 of 38: ext/mbstring/ucgendat/ucgendat
=====

=====
===== * Copyright 1998-2007 The OpenLDAP Foundation. * All rights
reserved. * * Redistribution and use in source and binary forms, with or without *
modification, are permitted only as authorized by the OpenLDAP * Public License. * *
A copy of this license is available at * <<http://www.OpenLDAP.org/license.html>>. */ /*
Copyright 2001 Computing Research Labs, New Mexico State University * *
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 COMPUTING RESEARCH LAB

OR NEW MEXICO STATE UNIVERSITY 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.

=====
===== File 22 of 38: ext/pcre/pcrelib/LICENSE
=====

===== PCRE LICENCE ----- PCRE is a library of functions to
support regular expressions whose syntax and semantics are as close as possible to
those of the Perl 5 language. Release 8 of PCRE is distributed under the terms of the
"BSD" licence, as specified below. The documentation for PCRE, supplied in the "doc"
directory, is distributed under the same terms as the software itself. The basic library
functions are written in C and are freestanding. Also included in the distribution is a set
of C++ wrapper functions, and a just-in-time compiler that can be used to optimize
pattern matching. These are both optional features that can be omitted when the
library is built. THE BASIC LIBRARY FUNCTIONS ----- Written by:
Philip Hazel Email local part: ph10 Email domain: cam.ac.uk University of Cambridge
Computing Service, Cambridge, England. Copyright (c) 1997-2012 University of
Cambridge All rights reserved. PCRE JUST-IN-TIME COMPILATION SUPPORT
----- Written by: Zoltan Herczeg Email local part: hzmester
Email domain: freemail.hu Copyright(c) 2010-2012 Zoltan Herczeg All rights reserved.
STACK-LESS JUST-IN-TIME COMPILER ----- Written by: Zoltan
Herczeg Email local part: hzmester Email domain: freemail.hu Copyright(c)
2009-2012 Zoltan Herczeg All rights reserved. THE C++ WRAPPER FUNCTIONS
----- Contributed by: Google Inc. Copyright (c) 2007-2012, Google Inc.
All rights reserved. THE "BSD" LICENCE ----- 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 University of Cambridge nor the name of Google
Inc. nor the names of their 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.
End

=====
===== File 23 of 38: ext/standard/html_tables/mappings/8859-1.txt
=====

===== # 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.

=====
 ===== File 24 of 38: ext/standard/html_tables/mappings/ROMAN.txt
 =====

=====
 ===== # Copyright: (c) 1994-2002, 2005 by Apple Computer, Inc., all
 rights # reserved. # # Standard header: # ----- # # Apple, the Apple logo, and
 Macintosh are trademarks of Apple # Computer, Inc., registered in the United States
 and other countries. # Unicode is a trademark of Unicode Inc. For the sake of brevity,
 # throughout this document, "Macintosh" can be used to refer to # Macintosh
 computers and "Unicode" can be used to refer to the # Unicode standard. # # Apple
 Computer, Inc. ("Apple") makes no warranty or representation, # either express or
 implied, with respect to this document and the # included data, its quality, accuracy, or
 fitness for a particular # purpose. In no event will Apple be liable for direct, indirect, #
 special, incidental, or consequential damages resulting from any # defect or
 inaccuracy in this document or the included data.

=====
 ===== File 25 of 38: ext/standard/strnatcmp.c
 =====

=====
 ===== Copyright (C) 2000 by Martin Pool <mbp@humbug.org.au>
 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.

=====
 ===== File 26 of 38: ext/xmlrpc/libxmlrpc/encodings.c
 =====

=====
 ===== Copyright 2000-2001 Epinions, Inc. Subject to the following 3
 conditions, Epinions, Inc. permits you, free of charge, to (a) use, copy, distribute,
 modify, perform and display this software and associated documentation files (the
 "Software"), and (b) permit others to whom the Software is furnished to do so as well.
 1) The above copyright notice and this permission notice shall be included without
 modification in all copies or substantial portions of the Software. 2) THE SOFTWARE
 IS PROVIDED "AS IS", WITHOUT ANY WARRANTY OR CONDITION OF ANY KIND,
 EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY
 IMPLIED WARRANTIES OF ACCURACY, MERCHANTABILITY, FITNESS FOR A
 PARTICULAR PURPOSE OR NONINFRINGEMENT. 3) IN NO EVENT SHALL
 EPINIONS, INC. BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL
 OR CONSEQUENTIAL DAMAGES OR LOST PROFITS ARISING OUT OF OR IN
 CONNECTION WITH THE SOFTWARE (HOWEVER ARISING, INCLUDING
 NEGLIGENCE), EVEN IF EPINIONS, INC. IS AWARE OF THE POSSIBILITY OF
 SUCH DAMAGES.

=====
 ===== File 27 of 38: ext/zip/lib/zip.h
 =====

=====
 ===== Copyright (C) 1999-2011 Dieter Baron and Thomas Klausner

This file is part of libzip, a library to manipulate ZIP archives. The authors can be contacted at <libzip@nih.at> 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 BY THE AUTHORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHORS 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.

=====
 ===== File 28 of 38: main/mergesort.c
 =====

=====
 ===== * Copyright (c) 1989-1994 * The Regents of the University of California. All rights reserved. * * This code is derived from software contributed to Berkeley by * Peter McIlroy. * * 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 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.

=====
 ===== File 29 of 38: sapi/cli/php_http_parser.c
 =====

=====
 ===== /* Copyright 2009,2010 Ryan Dahl <ry@tinyclouds.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.

=====
 ===== File 30 of 38: sapi/fpm/fpm/fpm_log.c
 =====

=====
 ===== /* (c) 2009 Jerome Loyet */
 =====

=====
 ===== File 31 of 38: sapi/fpm/LICENSE
 =====

=====
 ===== Copyright (c) 2004-2009, Andrei Nigmatulin 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 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 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.
 =====

=====
 ===== File 32 of 38: TSRM/LICENSE
 =====

=====
 ===== Copyright (c) 1999-2011, Andi Gutmans, Sascha Schumann, Zeev Suraski. 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 name of the copyright holders nor the names of their 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.

=====
 ===== File 33 of 38: TSRM/trheads.M4
 =====

=====
 ===== Copyright (c) 1999, 2000 Sascha Schumann. 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 SASCHA SCHUMANN ``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 SASCHA SCHUMANN OR HIS 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.

=====
 ===== File 34 of 38: win32/flock.c
 =====

=====
 ===== * Copyright 1996-1997 by the University of Washington * * 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 the * above copyright notice and this permission notice appear in supporting * documentation, and that the name of the University of Washington not be * used in advertising or publicity pertaining to distribution of the software * without specific, written prior permission. This software is made available * "as is", and * THE UNIVERSITY OF WASHINGTON DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, * WITH REGARD TO THIS SOFTWARE, INCLUDING WITHOUT LIMITATION ALL IMPLIED * WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND IN * NO EVENT SHALL THE UNIVERSITY OF WASHINGTON 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, TORT * (INCLUDING NEGLIGENCE) OR STRICT LIABILITY, ARISING OUT OF OR IN CONNECTION * WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

=====
 ===== File 35 of 38: win32/php_stdint.h
 =====

=====
 ===== // Copyright (c) 2006-2009 Alexander Chemeris // // 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 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.

===== File 36 of 38: Zend/LICENSE

===== The Zend Engine License, Version 2.00 Copyright (c) 1999-2006 Zend Technologies Ltd. All rights reserved. ----- Redistribution and use in source and binary forms, with or without modification, is 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 "Zend" and "Zend Engine" must not be used to endorse or promote products derived from this software without prior permission from Zend Technologies Ltd. For written permission, please contact license@zend.com. 4. Zend Technologies Ltd. may publish revised and/or new versions of the license from time to time. Each version will be given a distinguishing version number. Once covered code has been published under a particular version of the license, you may always continue to use it under the terms of that version. You may also choose to use such covered code under the terms of any subsequent version of the license published by Zend Technologies Ltd. No one other than Zend Technologies Ltd. has the right to modify the terms applicable to covered code created under this License. 5. Redistributions of any form whatsoever must retain the following acknowledgment: "This product includes the Zend Engine, freely available at <http://www.zend.com>" 6. All advertising materials mentioning features or use of this software must display the following acknowledgment: "The Zend Engine is freely available at <http://www.zend.com>" THIS SOFTWARE IS PROVIDED BY ZEND TECHNOLOGIES LTD. ``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 ZEND TECHNOLOGIES LTD. 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.

===== File 37 of 38: Zend/header

```
=====  
===== | Copyright (c) 1998-2013 Zend Technologies Ltd. (http://  
www.zend.com) | +-----+ | This source  
file is subject to version 2.00 of the Zend license, | | that is bundled with this package  
in the file LICENSE, and is | | available through the world-wide-web at the following url:  
| | http://www.zend.com/license/2_00.txt. | | If you did not receive a copy of the Zend  
license and are unable to | | obtain it through the world-wide-web, please send a note  
to | | license@zend.com so we can mail you a copy immediately.  
=====
```

```
===== File 38 of 38: Zend/zend_strtod.c  
=====
```

```
===== * Copyright (c) 1991 by AT&T. * * 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 AT&T MAKES ANY * REPRESENTATION OR  
WARRANTY OF ANY KIND CONCERNING THE MERCHANTABILITY * OF THIS  
SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE.
```

L

JET License

Copyright (c) 2014, 2018 Oracle and/or its affiliates The Universal Permissive License (UPL), Version 1.0 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 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 lrgwrks.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.

Below are 4th party dependencies included in OJET 5.1.0

THIRD-PARTY COMPONENT FILE LICENSE

(path in the installation) (see license text reproduced below)

js/libs/crossroads/crossroads.js MIT
js/libs/es6-promise/es6-promise.js MIT
js/libs/hammer/hammer-2.0.8.js MIT
js/libs/history/history.iegte8.js MIT
js/libs/js-signals/signals.js MIT
js/libs/jquery/jquery-3.3.1.js MIT
js/libs/jquery/jquery-ui-1.12.1.custom.js MIT
js/libs/jquery/jqueryui-amd-1.12.1/core.js MIT
js/libs/jquery/jqueryui-amd-1.12.1/draggable.js MIT
js/libs/jquery/jqueryui-amd-1.12.1/mouse.js MIT

js/libs/jquery/jqueryui-amd-1.12.1/position.js MIT
js/libs/jquery/jqueryui-amd-1.12.1/sortable.js MIT
js/libs/jquery/jqueryui-amd-1.12.1/widget.js MIT
js/libs/knockout/knockout-3.4.2.js MIT
js/libs/knockout/knockout-mapping-latest.js MIT
js/libs/oj/v5.1.0/min/ojknockout.js (knockout-fast-foreach.js) MIT
js/libs/oj/v5.1.0/min/ojselectcombobox.js (Select2.js) Apache 2.0
js/libs/oj/v5.1.0/min/ojtree.js (jsTree.js) MIT
js/libs/oj/v5.1.0/ojL10n.js (requireJS i18n) MIT
js/libs/proj4js/dist/proj4.js Proj4js
js/libs/require/require.js MIT
js/libs/require/text.js MIT
js/libs/require-css/css.js (require-css) MIT
js/libs/webcomponents/custom-elements.min.js custom-elements
scss/oj/v5.1.0/3rdparty/normalize/normalize.scss MIT
Knockout Fast Foreach v0.6.0 (2016-07-28T11:02:54.197Z)

By: Brian M Hunt (C) 2015 | License: MIT

* webcomponents/custom-elements - v1.0.8

*

* Copyright (c) 2015 The Polymer Authors. 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 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.

*/

/*

* proj4js - v2.4.4

* <http://proj4js.org/>

* Copyright (C) 2014 Mike Adair, Richard Greenwood, Didier Richard, Stephen Irons, Olivier Terral and Calvin Metcalf;

* Licensed under the Proj4js license

*/

/*

* require-css - v0.1.10

* <https://github.com/guybedford/require-css>

* Copyright (C) 2013 Guy Bedford;

* Licensed under the MIT license

*/

/*! Hammer.JS - v2.0.4 - 2014-09-28

* <http://hammerjs.github.io/>

*

* Copyright (c) 2014 Jorik Tangelder;

* Licensed under the MIT license */

/*

* Foundation Responsive Library

* <http://foundation.zurb.com>

* Copyright 2014, ZURB

* Free to use under the MIT license.

* <http://www.opensource.org/licenses/mit-license.php>

*/

Normalize.scss

Copyright (c) Nicolas Gallagher and Jonathan Neal


```
/*  
  
RequireJS i18n 2.0.2 Copyright (c) 2010-2012, The Dojo Foundation All Rights  
Reserved.  
  
Available via the MIT or new BSD license.  
  
see: http://github.com/requirejs/i18n for details  
  
*/  
  
/* This component is based on original code from:  
  
jsTree 1.0-rc3 http://jstree.com/  
  
"Copyright (c) 2010 Ivan Bozhanov (vakata.com)  
  
Licensed same as jquery - under the terms of either the MIT License or the GPL  
Version 2 License  
  
http://www.opensource.org/licenses/mit-license.php  
  
http://www.gnu.org/licenses/gpl.html"  
  
*/  
  
/**  
  
* @preserve Copyright 2012 Igor Vaynberg  
  
*  
  
* This software is licensed under the Apache License, Version 2.0 (the "Apache  
License") or the GNU  
  
* General Public License version 2 (the "GPL License"). You may choose either  
license to govern your  
  
* use of this software only upon the condition that you accept all of the terms of either  
the Apache  
  
* License or the GPL License.  
  
*  
  
* You may obtain a copy of the Apache License and the GPL License at:  
  
*  
  
* http://www.apache.org/licenses/LICENSE-2.0  
  
* http://www.gnu.org/licenses/gpl-2.0.html  
  
*  
  
* Unless required by applicable law or agreed to in writing, software distributed under  
the  
  
* Apache License or the GPL License is distributed on an "AS IS" BASIS, WITHOUT  
WARRANTIES OR  
  
* CONDITIONS OF ANY KIND, either express or implied. See the Apache License  
and the GPL License for
```

* the specific language governing permissions and limitations under the Apache License and the GPL License.

*/

/** @license

* crossroads <<http://millermedeiros.github.com/crossroads.js/>>

* Author: Miller Medeiros | MIT License

* v0.12.0 (2013/01/21 13:47)

*/

ES6-Promise v1.0.0

Copyright (c) 2014 Yehuda Katz, Tom Dale, Stefan Penner and contributors

/*!

* History API JavaScript Library v4.1.0

*

* Support: IE8+, FF3+, Opera 9+, Safari, Chrome and other

*

* Copyright 2011-2013, Dmitrii Pakhtinov (spb.piksel@gmail.com)

*

* <http://spb-piksel.ru/>

*

* Dual licensed under the MIT and GPL licenses:

* <http://www.opensource.org/licenses/mit-license.php>

* <http://www.gnu.org/licenses/gpl.html>

*

* Update: 2014-03-24 13:14

*/

/*! jQuery UI - v1.11.4 - 2015-03-18

* <http://jqueryui.com>

* Includes: core.js, widget.js, mouse.js, position.js, draggable.js, sortable.js

* Copyright 2015 jQuery Foundation and other contributors; Licensed MIT */

/*!

* jQuery JavaScript Library v2.2.3

* <http://jquery.com/>

*

* Includes Sizzle.js

```

* http://sizzlejs.com/
*
* Copyright 2005, 2014 jQuery Foundation, Inc. and other contributors
* Released under the MIT license
* http://jquery.org/license
*
* Date: 2014-12-18T15:11Z
*/
/** @license
* JS Signals <http://millermedeiros.github.com/js-signals/>
* Released under the MIT license
* Author: Miller Medeiros
* Version: 1.0.0 - Build: 268 (2012/11/29 05:48 PM)
*/
/**
* @license RequireJS text 2.0.12 Copyright (c) 2010-2014, The Dojo Foundation All
Rights Reserved.
* Available via the MIT or new BSD license.
* see: http://github.com/requirejs/text for details
*/
/*
RequireJS 2.1.16 Copyright (c) 2010-2015, The Dojo Foundation All Rights Reserved.
Available via the MIT or new BSD license.
see: http://github.com/jrburke/requirejs for details
*/
/*!
* Knockout JavaScript library v3.4.2
* (c) Steven Sanderson - http://knockoutjs.com/
* License: MIT (http://www.opensource.org/licenses/mit-license.php)
*/
Apache 2.0 License - See Appendix E.
MIT License - See Appendix G.
===== Proj4js =====
Mike Adair madairATdmsolutions.ca

```

Richard Greenwood richATgreenwoodmap.com

Didier Richard didier.richardATign.fr

Stephen Irons stephen.ironsATclear.net.nz

Olivier Terral oterralATgmail.com

Calvin Metcalf cmetcalfATappgeo.com

Copyright (c) 2014, Mike Adair, Richard Greenwood, Didier Richard, Stephen Irons, Olivier Terral and Calvin Metcalf

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.

M

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE Version 1.0

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.
- **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 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.**

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, MERCHANTABILITY, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. 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. 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.

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.

N

BSD License and JSON License

If you have downloaded a copy of the RapidJSON source code from Tencent, please note that RapidJSON source code is licensed under the MIT License, except for the third-party components listed below which are subject to different license terms. Your integration of RapidJSON into your own projects may require compliance with the MIT License, as well as the other licenses applicable to the third-party components included within RapidJSON. To avoid the problematic JSON license in your own projects, it's sufficient to exclude the bin/jsonchecker/ directory, as it's the only code under the JSON license.

Other dependencies and licenses:

Open Source Software Licensed Under the BSD License:

The msinttypes r29 Copyright (c) 2006-2013 Alexander Chemeris

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 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 REGENTS 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 AND 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 Software Licensed Under the JSON License:

json.org

Copyright (c) 2002 JSON.org

All Rights Reserved.

JSON_checker

Copyright (c) 2002 JSON.org

All Rights Reserved.

Terms of the JSON 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 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.



JDOM 2.0.5 License

Copyright © 2000-2012 Jason Hunter & Brett McLaughlin.

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 disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.
3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_@_jdom_._org>.
4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_@_jdom_._org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (<http://www.jdom.org/>)." Alternatively, the acknowledgment may be graphical using the logos available at <http://www.jdom.org/images/logos>.

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 JDOM

AUTHORS OR THE PROJECT 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 JDOM Project and was originally created by Jason Hunter <jhunter_@_jdom_._org> and Brett McLaughlin

<brett_@_jdom_._org>. For more information on the JDOM Project, please see <<http://www.jdom.org/>>.

P

Artistic License

(Required) Enter introductory text here, including the definition and purpose of the concept.

Licensed under the Artistic License (the "License"); you may not use this file except in compliance with this License.

The "Artistic License"

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

"Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.

"Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder as specified below.

"Copyright Holder" is whoever is named in the copyright or copyrights for the package.

"You" is you, if you're thinking about copying or distributing this Package.

"Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)

"Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

Third-Party Licenses

1. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.
2. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that 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

placing the modifications on a major archive site such as uunet.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

- b. use the modified Package only within your corporation or organization.
- c. rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.
- d. make other distribution arrangements with the Copyright Holder.

You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

- a. distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.
- b. accompany the distribution with the machine-readable source of the Package with your modifications.
- c. give non-standard executables non-standard names, and clearly document the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.
- d. make other distribution arrangements with the Copyright Holder.

1. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own. You may embed this Package's interpreter within an executable of yours (by linking); this shall be construed as a mere form of aggregation, provided that the complete Standard Version of the interpreter is so embedded.
2. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whoever generated them, and may be sold commercially, and may be aggregated with this Package. If such scripts or library files are aggregated with this Package via the so-called "undump" or "unexec" methods of producing a binary executable image, then distribution of such an image shall neither be construed as a distribution of this Package nor shall it fall under the restrictions of Paragraphs 3 and 4, provided that you do not represent such an executable image as a Standard Version of this Package.
3. C subroutines (or comparably compiled subroutines in other languages) supplied by you and linked into this Package in order to emulate subroutines and variables of the language defined by this Package shall not be considered part of this Package, but are the equivalent of input as in Paragraph 6, provided these subroutines do not change the language in any way that would cause it to fail the regression tests for the language.
4. Aggregation of this Package with a commercial distribution is always permitted provided that the use of this Package is embedded; that is, when no overt attempt is made to make this Package's interfaces visible to the end user of the commercial distribution. Such use shall not be construed as a distribution of this Package.

5. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.
6. THIS PACKAGE 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.



The bzip2 License

(Required) Enter introductory text here, including the definition and purpose of the concept.

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 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.

R

The Common Public License version 1.0

(Required) Enter introductory text here, including the definition and purpose of the concept.

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS COMMON PUBLIC

LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM

CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

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.

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.

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.

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.

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.

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.

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 a Contributor with respect to a patent applicable to software (including a cross-claim or counterclaim in a lawsuit), then any patent licenses granted by that Contributor to such Recipient under this Agreement shall terminate as of the date such litigation is filed. In addition, 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.

IBM is the initial Agreement Steward. IBM 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.

S

Mozilla Public License (MPL), Version 2.0

Mozilla Public License, version 2.0

Definitions

1. Contributor

means each individual or legal entity that creates, contributes to the creation of, or owns Covered Software.

2. Contributor Version

means the combination of the Contributions of others (if any) used by a Contributor and that particular ContributorTMs Contribution.

3. Contribution

means Covered Software of a particular Contributor.

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.

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.

6. Executable Form

means any form of the work other than Source Code Form.

7. Larger Work

means a work that combines Covered Software with other material, in a separate file or files, that is not Covered Software.

8. License

means this document.

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.

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.

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.

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.

13. Source Code Form

means the form of the work preferred for making modifications.

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.

License Grants and Conditions

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. Effective Date

The licenses granted in Section 2.1 with respect to any Contribution become effective for each Contribution on the date the Contributor first distributes such Contribution.

3. 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).

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).

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.

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.

7. Conditions

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

Responsibilities

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.

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. 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).

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.

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.

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.

Termination

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.
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.
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. 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.

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.

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.

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.

Versions of the License

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.

2. Effect of New Versions

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

3. 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).

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.

T

GNU Lesser General Public License, Version 2.1 (LGPL-2.1)

GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

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

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

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

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

Preamble

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GNU LESSER GENERAL PUBLIC LICENSE

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of

this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

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

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

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

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

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.

You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires

that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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

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.

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.

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.

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 (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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

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

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.
 1. 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.
 2. 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.
 3. 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.
 4. 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.

1. 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.
2. 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.

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

1. 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.
2. 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 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 St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

U

Creative Commons Attribution License, Attribution 2.5

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

"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.

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

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

"Original Author" means the individual or entity who created the Work.

"Work" means the copyrightable work of authorship offered under the terms of this License.

"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:

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;

to create and reproduce Derivative Works;

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;

to distribute copies or phonorecords of, display publicly, perform publicly, and perform publicly by means of a digital audio transmission Derivative Works.

For the avoidance of doubt, where the work is a musical composition:

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.

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).

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:

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.

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 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

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.

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

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.

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.

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.

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.

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/>.



Node.js License

(Required) Enter introductory text here, including the definition and purpose of the concept.

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.

This license applies to parts of Node.js originating from the <https://github.com/joyent/node> repository:

Copyright Joyent, Inc. and other Node contributors. 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 Node.js license applies to all parts of Node.js that are not externally maintained libraries. The externally maintained libraries used by Node.js are:

- Acorn, located at `deps/acorn`, is licensed as follows:

Copyright (C) 2012-2018 by various contributors (see AUTHORS)

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.

- c-ares, located at deps/cares, is licensed as follows:

Copyright (c) 2007 - 2016, Daniel Stenberg with many contributors, see AUTHORS file. Copyright 1998 by the Massachusetts Institute of Technology.

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 M.I.T. not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. M.I.T. makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

- HTTP Parser, located at deps/http_parser, is licensed as follows:

Copyright Joyent, Inc. and other Node contributors.

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.

- ICU, located at deps/icu-small, is licensed as follows:

COPYRIGHT AND PERMISSION NOTICE (ICU 58 and later)

Copyright © 1991-2018 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 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.

Third-Party Software Licenses

This section contains third-party software notices and/or additional terms for licensed third-party software components included within ICU libraries.

1. ICU License - ICU 1.8.1 to ICU 57.1 COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1995-2016 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.

All trademarks and registered trademarks mentioned herein are the property of their respective owners.

Chinese/Japanese Word Break Dictionary Data (cjdict.txt)

The Google Chrome software developed by Google is licensed under the BSD license. Other software included in this distribution is provided under other licenses, as set forth below.

The BSD License <http://opensource.org/licenses/bsd-license.php> Copyright (C) 2006-2008, 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. 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 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.

The word list in cjdict.txt are generated by combining three word lists listed below with further processing for compound word breaking. The frequency is generated with an iterative training against Google web corpora.

* Libtabe (Chinese)

- https://sourceforge.net/project/?group_id=1519

- Its license terms and conditions are shown below.

* IPADIC (Japanese)

- <http://chasen.aist-nara.ac.jp/chasen/distribution.html> - Its license terms and conditions are shown below.

- -----COPYING.libtabe ---- BEGIN----- /*

* Copyright (c) 1999 TaBE Project.

-
- * Copyright (c) 1999 Pai-Hsiang Hsiao.
 - * 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 TaBE Project 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 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.
 - /*
 - * Copyright (c) 1999 Computer Systems and Communication Lab,
 - * Institute of Information Science, Academia
 - * Sinica. 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 Computer Systems and Communication Lab
- * 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 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.

Copyright 1996 Chih-Hao Tsai @ Beckman Institute, University of Illinois

c-tsai4@uiuc.edu <http://casper.beckman.uiuc.edu/~c-tsai4>

- -----COPYING.libtabe-----END-----

- -----COPYING.ipadic-----BEGIN-----

Copyright 2000, 2001, 2002, 2003 Nara Institute of Science and Technology. All Rights Reserved.

Use, reproduction, and distribution of this software is permitted. Any copy of this software, whether in its original form or modified, must include both the above copyright notice and the following paragraphs.

Nara Institute of Science and Technology (NAIST),

the copyright holders, disclaims all warranties with regard to this software, including all implied warranties of merchantability and fitness, in no event shall NAIST 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 tortuous action, arising out of or in connection with the use or performance of this software.

A large portion of the dictionary entries

originate from ICOT Free Software. The following conditions for ICOT Free Software applies to the current dictionary as well.

Each User may also freely distribute the Program, whether in its original form or modified, to any third party or parties, PROVIDED that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear on, or be attached to, the Program, which is distributed substantially in the same form as set out herein and that such intended distribution, if actually made, will neither violate or otherwise contravene any of the laws and regulations of the countries having jurisdiction over the User or the intended distribution itself.

NO WARRANTY

The program was produced on an experimental basis in the course of the research and development conducted during the project and is provided to users as so produced on an experimental basis. Accordingly, the program is provided without any warranty whatsoever, whether express, implied, statutory or otherwise. The term "warranty" used herein includes, but is not limited to, any warranty of the quality, performance, merchantability and fitness for a particular purpose of the program and the nonexistence of any infringement or violation of any right of any third party.

Each user of the program will agree and understand, and be deemed to have agreed and understood, that there is no warranty whatsoever for the program and, accordingly, the entire risk arising from or otherwise connected with the program is assumed by the user.

Therefore, neither ICOT, the copyright holder, or any other organization that participated in or was otherwise related to the development of the program and their respective officials, directors, officers and other employees shall be held liable for any and all damages, including, without limitation, general, special, incidental and consequential damages, arising out of or otherwise in connection with the use or inability to use the program or any product, material or result produced or otherwise obtained by using the program, regardless of whether they have been advised of, or otherwise had knowledge of, the possibility of such damages at any time during the project or thereafter. Each user will be deemed to have agreed to the foregoing by his or her commencement of use of the program. The term "use" as used herein includes, but is not limited to, the use, modification, copying and distribution of the program and the production of secondary products from the program.

In the case where the program, whether in its original form or modified, was distributed or delivered to or received by a user from any person, organization or entity other than ICOT, unless it makes or grants independently of ICOT any specific warranty to the user in writing, such person, organization or entity, will also be exempted from and not be held liable to the user for any such damages as noted above as far as the program is concerned.

- -----COPYING.ipadic-----END-----

Lao Word Break Dictionary Data (laodict.txt)

Copyright (c) 2013 International Business Machines Corporation and others. All Rights Reserved.

Project: <http://code.google.com/p/lao-dictionary/> Dictionary: <http://lao-dictionary.googlecode.com/git/Lao-Dictionary.txt> License: <http://lao-dictionary.googlecode.com/git/Lao-Dictionary-LICENSE.txt> (copied below)

This file is derived from the above dictionary, with slight modifications.

Copyright (C) 2013 Brian Eugene Wilson, Robert Martin Campbell. 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" 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.

Burmese Word Break Dictionary Data (burmesedict.txt)

Copyright (c) 2014 International Business Machines Corporation and others. All Rights Reserved.

This list is part of a project hosted at: github.com/kanyawtech/myanmar-karen-word-lists

Copyright (c) 2013, LeRoy Benjamin Sharon 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 Myanmar Karen Word Lists, 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.

Time Zone Database

ICU uses the public domain data and code derived from Time Zone Database for its time zone support. The ownership of the TZ database is explained in BCP 175: Procedure for Maintaining the Time Zone Database section 7.

Database Ownership

The TZ database itself is not an IETF Contribution or an IETF document. Rather it is a pre-existing and regularly updated work that is in the public domain, and is intended to remain in the public domain. Therefore, BCPs 78 [RFC5378] and 79 [RFC3979] do not apply to the TZ Database or contributions that individuals make to it. Should any claims be made and substantiated against the TZ Database, the organization that is providing the IANA Considerations defined in this RFC, under the memorandum of understanding with the IETF, currently ICANN, may act in accordance with all competent court orders. No ownership claims will be made by ICANN or the IETF Trust on the database or the code. Any person making a contribution to the database or code waives all rights to future claims in that contribution or in the TZ Database.

Google double-conversion

Copyright 2006-2011, the V8 project authors. 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 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.

- libuv, located at deps/uv, is licensed as follows:

libuv is licensed for use as follows:

Copyright (c) 2015-present libuv project contributors.

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.

This license applies to parts of libuv originating from the <https://github.com/joyent/libuv> repository:

Copyright Joyent, Inc. and other Node contributors. 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.

This license applies to all parts of libuv that are not externally maintained libraries. The externally maintained libraries used by libuv are:

- tree.h (from FreeBSD), copyright Niels Provos. Two clause BSD license.
- inet_pton and inet_ntop implementations, contained in src/inet.c, are copyright the Internet Systems Consortium, Inc., and licensed under the ISC license.
- stdint-msvc2008.h (from msinttypes), copyright Alexander Chemeris. Three clause BSD license.
- pthread-fixes.c, copyright Google Inc. and Sony Mobile Communications AB. Three clause BSD license.
- android-ifaddrs.h, android-ifaddrs.c, copyright Berkeley Software Design Inc, Kenneth MacKay and Emergya (Cloud4all, FP7/2007-2013, grant agreement n° 289016). Three clause BSD license.
- OpenSSL, located at deps/openssl, is licensed as follows:

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 prior written permission. For

written permission, please contact openssl-core@openssl.org.

1. 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.
2. 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).

- Punycode.js, located at `lib/punycode.js`, is licensed as follows:

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

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.

- V8, located at `deps/v8`, is licensed as follows:

This license applies to all parts of V8 that are not externally maintained libraries. The externally maintained libraries used by V8 are:

- PCRE test suite, located in `test/mjsunit/third_party/regexp-pcre/regexp-pcre.js`. This is based on the test suite from PCRE-7.3, which is copyrighted by the University of Cambridge and Google, Inc. The copyright notice and license are embedded in `regexp-pcre.js`.

- Layout tests, located in `test/mjsunit/third_party/object-keys`. These are based on layout tests from `webkit.org` which are copyrighted by Apple Computer, Inc. and released under a 3-clause BSD license.

- Strongtalk assembler, the basis of the files `assembler-arm-inl.h`, `assembler-arm.cc`, `assembler-arm.h`, `assembler-ia32-inl.h`, `assembler-ia32.cc`, `assembler-ia32.h`, `assembler-x64-inl.h`, `assembler-x64.cc`, `assembler-x64.h`, `assembler-mips-inl.h`, `assembler-mips.cc`, `assembler-mips.h`, `assembler.cc` and `assembler.h`. This code is copyrighted by Sun Microsystems Inc. and released under a 3-clause BSD license.

- Valgrind client API header, located at `third_party/valgrind/valgrind.h`. This is released under the BSD license.

- antlr4 parser generator Cpp library located in `third_party/antlr4`. This is released under the BSD license.

These libraries have their own licenses; we recommend you read them, as their terms may differ from the terms below. Further license information can be found in LICENSE files located in sub-directories.

Copyright 2014, the V8 project authors. 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 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.

- zlib, located at deps/zlib, is licensed as follows:

zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.11, January 15th, 2017 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

- npm, located at deps/npm, is licensed as follows:

The npm application

Copyright (c) npm, Inc. and Contributors Licensed on the terms of The Artistic License 2.0

Node package dependencies of the npm application Copyright (c) their respective copyright owners Licensed on their respective license terms

The npm public registry at <https://registry.npmjs.org> and the npm website at <https://www.npmjs.com> Operated by npm, Inc. Use governed by terms published on <https://www.npmjs.com>

"Node.js"

Trademark Joyent, Inc., <https://joyent.com>

Neither npm nor npm, Inc. are affiliated with Joyent, Inc.

The Node.js application

Project of Node Foundation, <https://nodejs.org>

The npm Logo

Copyright (c) Mathias Pettersson and Brian Hammond

"Gubblebum Blocky" typeface

Copyright (c) Tjarda Koster, <https://jelloween.deviantart.com> Used with permission

The Artistic License 2.0

Copyright (c) 2000-2006, The Perl Foundation.

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

This license establishes the terms under which a given free software Package may be copied, modified, distributed, and/ or redistributed. The intent is that the Copyright Holder maintains some artistic control over the development of that Package while still keeping the Package available as open source and free software.

You are always permitted to make arrangements wholly outside of this license directly with the Copyright Holder of a given Package. If the terms of this license do not permit the full use that you propose to make of the Package, you should contact the Copyright Holder and seek a different licensing arrangement.

Definitions

"Copyright Holder" means the individual(s) or organization(s) named in the copyright notice for the entire Package.

"Contributor" means any party that has contributed code or other material to the Package, in accordance with the Copyright Holder's procedures.

"You" and "your" means any person who would like to copy, distribute, or modify the Package.

"Package" means the collection of files distributed by the Copyright Holder, and derivatives of that collection and/or of those files. A given Package may consist of either the Standard Version, or a Modified Version.

"Distribute" means providing a copy of the Package or making it accessible to anyone else, or in the case of a company or organization, to others outside of your company or organization.

"Distributor Fee" means any fee that you charge for Distributing this Package or providing support for this Package to another party. It does not mean licensing fees.

"Standard Version" refers to the Package if it has not been modified, or has been modified only in ways explicitly requested by the Copyright Holder.

"Modified Version" means the Package, if it has been changed, and such changes were not explicitly requested by the Copyright Holder.

"Original License" means this Artistic License as Distributed with the Standard Version of the Package, in its current version or as it may be modified by The Perl Foundation in the future.

"Source" form means the source code, documentation source, and configuration files for the Package.

"Compiled" form means the compiled bytecode, object code, binary, or any other form resulting from mechanical transformation or translation of the Source form.

Permission for Use and Modification Without Distribution

(1) You are permitted to use the Standard Version and create and use Modified Versions for any purpose without restriction, provided that you do not Distribute the Modified Version.

Permissions for Redistribution of the Standard Version

(2) You may Distribute verbatim copies of the Source form of the Standard Version of this Package in any medium without restriction, either gratis or for a Distributor Fee, provided that you duplicate all of the original copyright notices and associated disclaimers. At your discretion, such verbatim copies may or may not include a Compiled form of the Package.

(3) You may apply any bug fixes, portability changes, and other modifications made available from the Copyright Holder. The resulting Package will still be considered the Standard Version, and as such will be subject to the Original License.

Distribution of Modified Versions of the Package as Source

(4) You may Distribute your Modified Version as Source (either gratis or for a Distributor Fee, and with or without a Compiled form of the Modified Version) provided that you clearly document how it differs from the Standard Version, including, but not limited to, documenting any non-standard features, executables, or modules, and provided that you do at least ONE of the following:

(a) make the Modified Version available to the Copyright Holder of the Standard Version, under the Original License, so that the Copyright Holder may include your modifications in the Standard Version.

(b) ensure that installation of your Modified Version does not prevent the user installing or running the Standard Version. In addition, the Modified Version must bear a name that is different from the name of the Standard Version.

(c) allow anyone who receives a copy of the Modified Version to make the Source form of the Modified Version

available to others under

(i) the Original License or

(ii) a license that permits the licensee to freely copy, modify and redistribute the Modified Version using the same licensing terms that apply to the copy that the licensee received, and requires that the Source form of the Modified Version, and of any works derived from it, be made freely available in that license fees are prohibited but Distributor Fees are allowed.

Distribution of Compiled Forms of the Standard Version or Modified Versions without the Source

(5) You may Distribute Compiled forms of the Standard Version without the Source, provided that you include complete instructions on how to get the Source of the Standard Version. Such instructions must be valid at the time of your distribution. If these instructions, at any time while you are carrying out such distribution, become invalid, you must provide new instructions on demand or cease further distribution. If you provide valid instructions or cease distribution within thirty days after you become aware that the instructions are invalid, then you do not forfeit any of your rights under this license.

(6) You may Distribute a Modified Version in Compiled form without the Source, provided that you comply with Section 4 with respect to the Source of the Modified Version.

Aggregating or Linking the Package

(7) You may aggregate the Package (either the Standard Version or Modified Version) with other packages and Distribute the resulting aggregation provided that you do not charge a licensing fee for the Package. Distributor Fees are permitted, and licensing fees for other components in the aggregation are permitted. The terms of this license apply to the use and Distribution of the Standard or Modified Versions as included in the aggregation.

(8) You are permitted to link Modified and Standard Versions with other works, to embed the Package in a larger work of your own, or to build stand-alone binary or bytecode versions of applications that include the Package, and Distribute the result without restriction, provided the result does not expose a direct interface to the Package.

Items That are Not Considered Part of a Modified Version

(9) Works (including, but not limited to, modules and scripts) that merely extend or make use of the Package, do not, by themselves, cause the Package to be a Modified Version. In addition, such works are not considered parts of the Package itself, and are not subject to the terms of this license.

General Provisions

(10) Any use, modification, and distribution of the Standard or Modified Versions is governed by this Artistic License. By using, modifying or distributing the Package, you accept this license. Do not use, modify, or distribute the Package, if you do not accept this license.

(11) If your Modified Version has been derived from a Modified Version made by someone other than you, you are nevertheless required to ensure that your Modified Version complies with the requirements of this license.

(12) This license does not grant you the right to use any trademark, service mark, tradename, or logo of the Copyright Holder.

(13) This license includes the non-exclusive, worldwide, free-of-charge patent license to make, have made, use, offer to sell, sell, import and otherwise transfer the Package with respect to any patent claims licensable by the Copyright Holder that are necessarily infringed by the Package. If you institute patent litigation (including a cross-claim or counterclaim) against any party alleging that the Package constitutes direct or contributory patent infringement, then this Artistic License to you shall terminate on the date that such litigation is filed.

(14) Disclaimer of Warranty:

THE PACKAGE IS PROVIDED BY THE COPYRIGHT HOLDER AND CONTRIBUTORS "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES. THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT ARE DISCLAIMED TO THE EXTENT PERMITTED BY YOUR LOCAL LAW. UNLESS REQUIRED BY LAW, NO COPYRIGHT HOLDER OR CONTRIBUTOR WILL BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING IN ANY WAY OUT OF THE USE OF THE PACKAGE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

- GYP, located at tools/gyp, is licensed as follows:

Copyright (c) 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.
- * 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 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.

- `inspector_protocol`, located at `tools/inspector_protocol`, is licensed as follows:

```
// Copyright 2016 The Chromium Authors. 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 // 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.
```

- `jinja2`, located at `tools/jinja2`, is licensed as follows:

Copyright (c) 2009 by the Jinja Team, see AUTHORS for more details. Some 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.
- * The names of the contributors 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 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.

- markupsafe, located at tools/markupsafe, is licensed as follows:

Copyright (c) 2010 by Armin Ronacher and contributors. See AUTHORS for more details. Some rights reserved.

Redistribution and use in source and binary forms of the software as well as documentation, 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.
- * The names of the contributors may not be used to endorse or promote products derived from this software without specific prior written permission.

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

- cpplint.py, located at tools/cpplint.py, is licensed as follows:

Copyright (c) 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.

* 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 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.

- ESLint, located at tools/node_modules/eslint, is licensed as follows:

Copyright JS Foundation and other contributors, <https://js.foundation>

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.

- babel-eslint, located at tools/node_modules/babel-eslint, is licensed as follows:

Copyright (c) 2014-2016 Sebastian McKenzie <sebmck@gmail.com> 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.

- gtest, located at deps/gtest, is licensed as follows:

Copyright 2008, 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.

* 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 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.

- nghttp2, located at deps/nghttp2, is licensed as follows:

The MIT License

Copyright (c) 2012, 2014, 2015, 2016 Tatsuhiro Tsujikawa Copyright (c) 2012, 2014, 2015, 2016 nghttp2 contributors

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.

- node-inspect, located at deps/node-inspect, is licensed as follows:

Copyright Node.js contributors. 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.

GNU General Public License v3 (GPL v3)

GNU GENERAL PUBLIC LICENSE

Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <<http://fsf.org/>>

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

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. 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 them 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 prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. 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.

Developers that use the GNU GPL protect your rights with two steps:

- (1) assert copyright on the software, and
- (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The

systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations. To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work. A "covered work" means either the unmodified Program or a work based on the Program. To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well. To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying. An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

Source Code.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work. A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language. The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a

compiler used to produce the work, or an object code interpreter used to run it. The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law. You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you. Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures. When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.

Conveying Verbatim Copies.

You may convey 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; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program. You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee. Conveying Modified Source Versions. You may convey a work based on the Program, or the

modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

- a) The work must carry prominent notices stating that you modified it, and giving a relevant date.
- b) The work must carry prominent notices stating that it is released under this License and any conditions added under section

This requirement modifies the requirement in section 4 to "keep intact all notices".

- c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.
- d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

- a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.
- b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.
- c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.
- d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server

(operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d. A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product. "Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because

modification has been made. If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network. Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions. When you convey a copy of a covered work, you may at

your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission. Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

- a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or
- b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or
- c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or
- d) Limiting the use for publicity purposes of names of licensors or authors of the material; or
- e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or
- f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this

License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying. If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.

Acceptance Not Required for Having Copies. You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

Automatic Licensing of Downstream Recipients. Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License. An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the

Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts. You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version. In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To

"grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid. If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory

patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.

No Surrender of Others' Freedom. If 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 convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this

License would be to refrain entirely from conveying the Program. Use with the GNU Affero General Public License. Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU 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 that a certain numbered version of the GNU General

Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software

Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

Disclaimer of Warranty.

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.

Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS 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.

Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

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 state 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 3 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, see <<http://www.gnu.org/licenses/>>. Also add information on how to contact you by electronic and paper mail. If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

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

This program 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, your program's commands might be different; for a GUI interface, you would use an "about box". You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <<http://www.gnu.org/licenses/>>.

The GNU 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. But first, please read

<<http://www.gnu.org/philosophy/why-not-lgpl.html>>.



Zope Public License (ZPL) Version 2.0

(Required) Enter introductory text here, including the definition and purpose of the concept.

Zope Public License (ZPL) Version 2.0

This software is Copyright (c) Zope Corporation (tm) and Contributors. All rights reserved.

This license has been certified as open source. It has also been designated as GPL compatible by the Free Software Foundation (FSF).

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

Redistributions in 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.

The name Zope Corporation (tm) must not be used to endorse or promote products derived from this software without prior written permission from Zope Corporation.

The right to distribute this software or to use it for any purpose does not give you the right to use Servicemarks (sm) or Trademarks (tm) of Zope Corporation. Use of them is covered in a separate agreement (see <http://www.zope.com/Marks>).

If any files are modified, you must cause the modified files to carry prominent notices stating that you changed

the files and the date of any change.

Disclaimer

THIS SOFTWARE IS PROVIDED BY ZOPE CORPORATION ``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 ZOPE CORPORATION 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 contributions made by Zope Corporation and many individuals on behalf of Zope Corporation. Specific attributions are listed in the accompanying credits file.



ECLIPSE 2.0 License

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 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 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, including all 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.

“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, 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

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 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) 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.

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.

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

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

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT,

MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

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

7. GENERAL

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

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

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

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

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

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.

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.

Z

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE Version 1.1

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE Version 1.1 (CDDL-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, 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.**

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.**

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, MERCHANTABILITY, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. 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. 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.

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.