

Oracle® Communications

Cloud Native Core Licensing Information

User Manual



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

ORACLE®

F22873-02

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H	Zlib License
I	ACE- 6.4.7 License
J	ECLIPSE 1.0 License
K	PHP License
L	JET License
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O	JDOM 2.0.5 License
P	Artistic License
Q	The bzip2 License

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X Zope Public License (ZPL) Version 2.0

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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>.

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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.</p> <p>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 • 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

Product	Sub product	Licensing Information
	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>
	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>

Product	Sub product	Licensing Information
	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.</p> <p>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>
	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>

Product	Sub product	Licensing Information
	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>
	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.</p> <p>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.</p> <p>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.</p> <p>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>
	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>

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>

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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 1.3.2 Components

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

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

Diameter Routing Agent 1.4.0 Components

HttpClient 4.5.7	Micrometer 1.1.2
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InterWorking and Mediation Function 1.3.0 Components

commons-validator 1.6.0	OkHttp 3.13.1
Micrometer 1.1.2	-

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 1.4.0 Components

Commons Beanutils 1.9.4	OkHttp 4.2.2
commons-validator 1.6.0	OpenTracing Spring Jaeger Web Starter 2.0.3
HttpClient 4.5.7	Spring Boot 2.1.2
ipaddress 5.0.2	Spring Boot Actuator 2.1.2
jackson-databind 2.9.9.3	spring-boot-starter-actuator 2.1.7.RELEASE
jackson-databind 2.9.10	spring-boot-starter-data-jpa 2.1.7.RELEASE
jackson-databind 2.10.0.pr3	spring-boot-starter-log4j2 2.1.7.RELEASE
jackson-databind 2.10.1	spring-boot-starter-undertow 2.1.7.RELEASE
jetty 9.4.15.v20190215	spring-boot-starter-web 2.1.7.RELEASE
jetty-reactive-httpclient 1.0.3	spring-cloud-starter-kubernetes-config 1.0.2.RELEASE
JSON-Java 20180813	Spring Cloud Starter Gateway 2.1.1.RELEASE
Logback 1.3.0-alpha4	Springfox 2.9.2
Micrometer 1.1.4	Spring Security 5.1.5.RELEASE
netty 4.1.42.Final	springfox-swagger-ui 2.9.2

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 1.4.0 Components

Akka 2.5.17	lodash 4.17.11
allure2 2.8.0	Logback 1.2.3
AspectJ 1.9.1	Lombok 1.18.4
Blockly 1.20180904	Micrometer 1.0.5
Brave 5.6	micrometer-akka 0.9.0
brave-opentracing 0.33.10	mocha 5.2.0
caffeine 2.6.2	Mybatis Spring Boot Starter 1.3.2
Commons Codec 1.11	Nginx 1.14.2
Commons CSV 1.5	Node.js 10.15.0
Commons IO 2.6	OkHttp 3.13.1
commons-lang3- 3.8.1	OpenResty 1.13.6.2
Commons Pool 2.6.0	OpenTracing API for Java 0.31.0
DropWizard Metrics 4.0.2	opentracing-python 2.0.0
Flask 1.0.2	OpenTracing Spring Jaeger Starter 0.1.4
flask-cors 3.0.7	OpenTracing Spring Web 0.3.2
Flask-SQLAlchemy 2.3.2	Prometheus Client Python 0.5.0
Google Go 1.11.2	psutil 5.5.0
Groovy 2.5.0	Python 3.6.8
GSON 2.8.5	pyyaml 3.13
Guava 27.0	reactor-core 3.1.8.RELEASE
hapi 17.6.0	requests 2.21.0
HikariCP 3.2.0	SLF4J-1.7.25
HSQLDB 2.4.1	Spring Boot 2.1.1.RELEASE
HttpClient 4.5.7	Spring Cloud Stream 2.0.1.RELEASE
HttpCore 4.4.11	Spring Cloud Stream Binder Kafka 2.0.1.RELEASE
jackson-core 2.9.7	Springfox 2.9.2
jackson-datatype-joda 2.9.6	Spring Framework 5.1.3
jaeger-client-python 3.13.0	spring-kafka 2.1.10.RELEASE
JavaScript Extension Toolkit (JET) 5.1.0	WireMock 2.20.0
Jetty 9.4.14.v20181114	XStream 1.4.11.1
JsonPath 2.4.0	Zipkin 2.12.1
Kong 1.0.3	zipkin-reporter-java 2.7.15
LMAX-Exchange disruptor 3.4.2	-

Policy and Charging Rules Function 1.4.0 Components

AspectJ 1.9.1	LMAX-Exchange disruptor 3.4.2
Brave 5.6	Logback 1.2.3
brave-opentracing 0.33.10	Lombok 1.18.4
Commons CSV 1.6	Micrometer 1.1.4
Commons IO 2.6	OpenTracing API for Java 0.32.0

commons-lang3- 3.8.1	opentracing-spring-jaeger-cloud-starter 1.0.2
Commons Pool 2.6.1	OpenTracing Spring Web 1.1.1
DropWizard Metrics 4.0.5	SLF4J-1.7.26
Guava 27.0	Spring Boot 2.2.2.RELEASE
HttpClient 4.5.7	Spring Cloud Stream 2.0.1.RELEASE
HttpCore 4.4.11	Spring Cloud Stream Binder Kafka 2.0.1.RELEASE
influxdb-java 2.14	Springfox 2.9.2
jackson-core 2.9.7	XStream 1.4.11.1
jackson-datatype-joda 2.9.7	Zipkin 2.12.1
Java DogStatsD Client 2.6.1	zipkin-reporter-java 2.7.15
JsonPath 2.4.0	-

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 1.4.0 Components

commons-lang3- 3.9	Spring Boot 2.1.2
Guava 28.1	Spring Boot Actuator 2.1.2
HttpClient 4.5.7	spring-boot-starter-undertow 2.1.2
jackson-databind 2.9.10.1	Spring Retry 1.2.4
jackson-dataformat-yaml 2.9.8	Springfox 2.9.2
JSON-Java 20180813	springfox-swagger-ui 2.9.2
Kubernetes Java Client library 4.0.0	Tomcat Embedded 9.0.30
OkHttp 4.2.2	

Unified Data Management 1.0.0 Components

Commons IO 2.6
HttpClient 4.5.7
jackson-databind 2.9.10
JSON-Java 20180813
JsonPath 2.4.0
JSON Schema 1.11.0
Kubernetes Java Client library 4.0.0
Micrometer 1.1.2
OkHttp 3.13.1
OpenTracing Spring Jaeger Web Starter 2.0.3

Spring Boot 2.1.7.RELEASE
spring-boot-starter 2.1.7
spring-boot-starter-actuator 2.1.7.RELEASE
spring-boot-starter-data-jpa 2.1.7.RELEASE
spring-boot-starter-log4j2 2.1.7.RELEASE
spring-boot-starter-undertow 2.1.7.RELEASE
spring-boot-starter-web 2.1.7.RELEASE
Springfox 2.9.2

Unified Data Repository 1.4.0 Components

Commons Beanutils 1.9.4	Micrometer 1.1.2
Commons IO 2.6	OkHttp 3.13.1
Guava 27.0.1	Spring Boot 2.1.2
HttpClient 4.5.7	Spring-boot-starter 2.1.7
jackson-databind 2.9.10	spring-boot-starter-log4j2 2.1.7.RELEASE
JSON-Java 20180813	spring-boot-starter-actuator 2.1.7.RELEASE
JsonPath 2.4.0	spring-boot-starter-undertow 2.1.7.RELEASE
JSON Schema 1.11.0	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
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Table 3-1 (Cont.) Cloud Native Core Licensing Information

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

Provider	Component (s)	Licensing Information
		<p> <tcboox@gmail.com> Aarti Parikh <aarti.parikh@gmail.com> Abe Haskins <abeisgreat@abeisgreat.com> Abhinav Gupta <abhinav.g90@gmail.com> Adam Eijdenberg <adam@continusec.com> Adam Harvey <aharvey@php.net> Adam Kisala <adam.kisala@gmail.com> Adam Medzinski <adam.medzinski@gmail.com> Adam Shannon <adamkshannon@gmail.com> Adam Thomason <athomason@gmail.com> Adam Woodbeck <adam@woodbeck.net> Aditya Mukerjee <dev@chimeracoder.net> Adrian Hesketh <adrianhesketh@hushmail.com> Adrian Nos <nos.adrian@gmail.com> Adrian O'Grady <elpollouk@gmail.com> Adrien Bustany <adrien-xx-google@bustany.org> Adrien Petel <peteladrien@gmail.com> Aécio Júnior <aeciodantasjunior@gmail.com> Aeneas Rekkas (arekkas) <aeneas@ory.am> Afanasev Stanislav <phpprogger@gmail.com> Agis Anastasopoulos <agis.anast@gmail.com> Agniva De Sarker <agnivade@yahoo.co.in> Ahmed Wahed <oneofone@gmail.com> Ahmet Soormally <ahmet@mangomm.co.uk> Ahmy Yulrizka <yulrizka@gmail.com> Aiden Scandella <ai@uber.com> Ainar Garipov <gugl.zadolbal@gmail.com> Aishraj Dahal <aishraj@users.noreply.github.com> Akhil Indurti <contact@akhilindurti.com> Akihiro Suda <suda.kyoto@gmail.com> Akshat Kumar <seed@mail.nanosouffle.net> Alan Shreve <alan@inconshreveable.com> Albert Nigmatzianov <albertnigma@gmail.com> Albert Strasheim <fullung@gmail.com> Albert Yu <yukinying@gmail.com> Alberto Bertogli <albertito@blitiri.com.ar> Alberto Donizetti <alb.donizetti@gmail.com> Alberto García Hierro <alberto@garciahierro.com> <alberto.garcia.hierro@gmail.com> Aleksandar Dezelin <dezelin@gmail.com> Aleksandr Lukinykh <a.lukinykh@xsolla.com> Alekseev Artem <a.artem060@gmail.com> Alessandro Arzilli <alessandro.arzilli@gmail.com> Alessandro Baffa <alessandro.baffa@gmail.com> Alex A Skinner <alex@lx.lc> Alex Brainman <alex.brainman@gmail.com> Alex Browne <stephenalexbrowne@gmail.com> Alex Carol <alex.carol.c@gmail.com> Alex Jin <toalexjin@gmail.com> Alex Myasoedov <msoedov@gmail.com> Alex Plugaru <alex@plugaru.org> <alexandru.plugaru@gmail.com> Alex Schroeder <alex@gnu.org> Alex Sergeyev <abc@alexsergeyev.com> Alexander Demakin <alexander.demakin@gmail.com> Alexander </p>

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

Provider	Component (s)	Licensing Information
		<p>Döring <email@alex.d.ch> Alexander F Rødseth <alexander.rodseth@appeartv.com> Alexander Guz <kalimatas@gmail.com> Alexander Kauer <alexander@affine.space> Alexander Kucherenko <alxkchr@gmail.com> Alexander Larsson <alexander.larsson@gmail.com> Alexander Menzhinsky <amenzhinsky@gmail.com> Alexander Morozov <lk4d4math@gmail.com> Alexander Neumann <alexander@bumpern.de> Alexander Orlov <alexander.orlov@loxal.net> Alexander Pantyukhin <apantykhin@gmail.com> Alexander Reece <awreece@gmail.com> Alexander Surma <surma@surmair.de> Alexander Zhavnerchik <alex.vizor@gmail.com> Alexander Zolotov <goldifit@gmail.com> Alexandre Cesaro <alexandre.cesaro@gmail.com> Alexandre Fiori <fiorix@gmail.com> Alexandre Normand <alexandre.normand@gmail.com> Alexandre Parentea <aubonbeurre@gmail.com> Alexandre Viau <alexandre@alexandreviau.net> Alexei Sholik <alcosholik@gmail.com> Alexey Borzenkov <snaury@gmail.com> Alexey Neganov <neganovalexey@gmail.com> Alexey Palazhchenko <alexey.palazhchenko@gmail.com> Alexis Hildebrandt <surryhill@gmail.com> Ali Rizvi-Santiago <arizvisa@gmail.com> Aliaksandr Valialkin <valyala@gmail.com> Alif Rachmawadi <subosito@gmail.com> Allan Simon <allan.simon@supinfo.com> Alok Menghrajani <alok.menghrajani@gmail.com> Aman Gupta <aman@tmml.net> Amazon.com, Inc Amir Mohammad Saied <amir@gluegadget.com> Amr Mohammed <merodiro@gmail.com> Amrut Joshi <amrut.joshi@gmail.com> Anand K. Mistry <anand@mistry.ninja> Anders Pearson <anders@columbia.edu> André Carvalho <asantostc@gmail.com> Andre Nathan <andrenth@gmail.com> Andreas Auernhammer <aead@mail.de> Andreas Litt <andreas.litt@gmail.com> Andrei Korzhevskii <a.korzhevskiy@gmail.com> Andrei Tudor Călin <mail@acln.ro> Andrei Vieru <euvieru@gmail.com> Andrew Austin <andrewaclt@gmail.com> Andrew Balholm <andybalholm@gmail.com> Andrew Benton <andrewbenton@gmail.com> Andrew Bonventre <andybons@chromium.org> Andrew Braunstein <awbraunstein@gmail.com> Andrew Bursavich <abursavich@gmail.com> Andrew Ekstedt <andrew.ekstedt@gmail.com> Andrew Etter <andrew.etter@gmail.com> Andrew Harding <andrew@spacemonkey.com> Andrew Lutomirski <andy@luto.us> Andrew Pogrebnoy <absourd.noise@gmail.com> Andrew Pritchard <awpritchard@gmail.com> Andrew Radev</p>

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Provider	Component (s)	Licensing Information
		<p> <andrey.radev@gmail.com> Andrew Skiba <skibaa@gmail.com> Andrew Szeto <andrew@jabagawee.com> Andrew Wilkins <axwalk@gmail.com> Andrew Williams <williams.andrew@gmail.com> Andrey Mirtchovski <mirtchovski@gmail.com> Andrey Petrov <andrey.petrov@shazow.net> Andrii Soldatenko <andrii.soldatenko@gmail.com> Andrii Soluk <isoluchok@gmail.com> Andriy Lytvynov <lytvynov.a.v@gmail.com> Andrzej Żeżel <andrii.zhezhel@gmail.com> Andy Balholm <andy@balholm.com> Andy Davis <andy@bigandian.com> Andy Finkenstadt <afinkenstadt@zynga.com> Andy Lindeman <andy@lindeman.io> Andy Maloney <asmaloney@gmail.com> Andy Walker <walkeraj@gmail.com> Anfernee Yongkun Gui <anfernee.gui@gmail.com> Angelo Bulfone <mbulfone@gmail.com> Anh Hai Trinh <anh.hai.trinh@gmail.com> Anit Gandhi <anitgandhi@gmail.com> Anmol Sethi <anmol@aubble.com> Anshel Schaffer-Cohen <anschelsc@gmail.com> Anthony Alves <cvballa3g0@gmail.com> Anthony Canino <anthony.canino1@gmail.com> Anthony Eufemio <anthony.eufemio@gmail.com> Anthony Martin <ality@pbrane.org> Anthony Sottile <asottile@umich.edu> Anthony Starks <ajstarks@gmail.com> Anthony Voutas <voutasaurus@gmail.com> Anthony Woods <awoods@raintank.io> Antoine Martin <antoine97.martin@gmail.com> Antonin Amand <antonin.amand@gmail.com> Antonio Antelo <aantelov87@gmail.com> Antonio Bibiano <antbbn@gmail.com> Antonio Troina <thoeni@gmail.com> Apisak Darakananda <pongad@gmail.com> Apsalar Aram Håvärneanu <aram@mgk.ro> Areski Belaid <areski@gmail.com> Ariel Mashraki <ariel@mashraki.co.il> Arlo Breault <arlolra@gmail.com> ARM Ltd. Arnaud Ysmal <arnaud.ysmal@gmail.com> Arne Hormann <arnehormann@gmail.com> Arnout Engelen <arnout@bzzt.net> Aron Nopanen <aron.nopanen@gmail.com> Arthur Khashaev <arthur@khashaev.ru> Artyom Pervukhin <artyom.pervukhin@gmail.com> Arvinth Rajesh Tamilmani <art@a-30.net> Ashish Gandhi <ag@ashishgandhi.org> Atin Malaviya <amalaviy@akamai.com> Ato Araki <ato.araki@gmail.com> Audrey Lim <audreylh@gmail.com> Audrius Butkevicius <audrius.butkevicius@gmail.com> Augusto Roman <aroman@gmail.com> Aulus Egnatius Varialus <varialus@gmail.com> Aurélien Rainone </p>

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Provider	Component (s)	Licensing Information
		<p> <aurelien.rainone@gmail.com> awaw fumin <awawfumin@gmail.com> Awn Umar <awn@cryptolosophy.io> Axel Wagner <axel.wagner.hh@googlemail.com> Ayanamist Yang <ayanamist@gmail.com> Aymerick Jéhanne <aymerick@jehanne.org> Azat Kaumov <kaumov.a.r@gmail.com> Baiju Muthukadan <baiju.m.mail@gmail.com> Baokun Lee <nototon@gmail.com> Bartosz Grzybowski <melkorm@gmail.com> Bastian Ike <bastian.ike@gmail.com> Ben Burkert <ben@benburkert.com> Ben Haines <bhainesva@gmail.com> Ben Lubar <ben.lubar@gmail.com> Ben Olive <sionide21@gmail.com> Ben Shi <powerman1st@163.com> Benjamin Black <b@b3k.us> Benjamin Cable <cable.benjamin@gmail.com> Benjamin Hsieh <tanookiben@users.noreply.github.com> Benny Siegert <bsiegert@gmail.com> Benoit Sigoure <tsunanet@gmail.com> Berengar Lehr <berengar.lehr@gmx.de> Bill Zissimopoulos <billziss@navimatics.com> Billie Harold Cleek <bhcleek@gmail.com> Bjorn Tillenius <bjorn@tillenius.me> Bjorn Tipling <bjorn.tipling@gmail.com> Blain Smith <rebelgeek@blainsmith.com> Blake Gentry <blakesgentry@gmail.com> Blake Mesdag <blakemesdag@gmail.com> Blake Mizerany <blake.mizerany@gmail.com> Blixt <me@blixt.nyc> Bob Briski <rbriski@gmail.com> Bob Potter <bobby.potter@gmail.com> Bobby Powers <bobbypowers@gmail.com> Bolt Borja Clemente <borja.clemente@gmail.com> Brad Burch <brad.burch@gmail.com> Brad Morgan <brad@morgabra.com> Bradley Falzon <brad@teambrod.net> Brady Catherman <brady@gmail.com> Brady Sullivan <brady@bsull.com> Brendan Daniel Tracey <tracey.brendan@gmail.com> Brett Cannon <bcannon@gmail.com> Brett Merrill <brett.j.merrill94@gmail.com> Brian Dellisanti <briandellisanti@gmail.com> Brian Downs <brian.downs@gmail.com> Brian G. Merrell <bgmerrell@gmail.com> Brian Gitonga Marete <marete@toshnix.com> <bgmarete@gmail.com> Brian Kennedy <btkenedy@gmail.com> Brian Kessler <brian.m.kessler@gmail.com> Brian Ketelsen <bketelsen@gmail.com> Brian Smith <ohohvi@gmail.com> Brian Starke <brian.starke@gmail.com> Bryan Alexander <Kozical@msn.com> Bryan Chan <bryanpkc@gmail.com> Bryan Ford <brynosaurus@gmail.com> Bulat Gaifullin </p>

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

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

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

Provider	Component (s)	Licensing Information
		<p><felipeweb.programador@gmail.com> Felix Geisendörfer <haimuiba@gmail.com> Felix Kollmann <fk@konsorten.de> Filip Gruszczyński <gruszczy@gmail.com> Filip Haglund <drathier@users.noreply.github.com> Filippo Valsorda <hi@filippo.io> Firmansyah Adiputra <frm.adiputra@gmail.com> Florian Uekermann <florian@uekermann-online.de> Florian Weimer <fw@deneb.enyo.de> Florin Patan <florinpatan@gmail.com> Ford Hurley <ford.hurley@gmail.com> Francesc Campoy <francesc@campoy.cat> Francisco Claude <fclaude@recoded.cl> Francisco Rojas <francisco.rojas.gallegos@gmail.com> Francisco Souza <franciscosouza@gmail.com> Frank Schroeder <frank.schroeder@gmail.com> Frank Somers <fsomers@arista.com> Frederic Guillot <frederic.guillot@gmail.com> Frederick Kelly Mayle III <frederickmayle@gmail.com> Frederik Ring <frederik.ring@gmail.com> Fredrik Enestad <fredrik.enestad@soundtrackyourbrand.com> Fredrik Forsmo <fredrik.forsmo@gmail.com> Fredrik Wallgren <fredrik.wallgren@gmail.com> Frithjof Schulze <schulze@math.uni-hannover.de> <sfrithjof@gmail.com> Frits van Bommel <fvbommel@gmail.com> Gabriel Arthúr Pétursson <gabriel@system.is> Gabriel Aszalos <gabriel.aszalos@gmail.com> Gabriel Nicolas Avellaneda <avellaneda.gabriel@gmail.com> Gabriel Russell <gabriel.russell@gmail.com> Gareth Paul Jones <gpj@foursquare.com> Gary Burd <gary@beagledreams.com> Gaurish Sharma <contact@gaurishsharma.com> Gautham Thambidorai <gautham.dorai@gmail.com> Gauthier Jolly <gauthier.jolly@gmail.com> Geert-Johan Riemer <gjr19912@gmail.com> Gengliang Wang <ltnwgl@gmail.com> Geoffroy Lorieux <lorieux.g@gmail.com> Geon Kim <geon0250@gmail.com> Georg Reinke <guelfey@gmail.com> George Gkirtsou <ggirtsou@gmail.com> George Shammass <george@shamm.as> <georgyo@gmail.com> Gerasimos Dimitriadis <gedimitr@gmail.com> Getulio Sánchez <valentin2507@gmail.com> Gideon Jan-Wessel Redelinghuys <gjredelinghuys@gmail.com> Giles Lean <giles.lean@pobox.com> Giulio Iotti <dullgiulio@gmail.com> Gleb Stepanov <glebstepanov1992@gmail.com> Google Inc. Gordon Klaus <gordon.klaus@gmail.com> Graham King <graham4king@gmail.com> Graham Miller <graham.miller@gmail.com> Grant Griffiths <ggp493@gmail.com> Greg Poirier <greg.istehbest@gmail.com> Greg Ward <greg@gerg.ca> Grégoire Delattre</p>

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

Provider	Component (s)	Licensing Information
		<p><gregoire.delattre@gmail.com> Gregory Man <man.gregory@gmail.com> Guilherme Garnier <guilherme.garnier@gmail.com> Guilherme Goncalves <guilhermeaugustosg@gmail.com> Guilherme Rezende <guilhermebr@gmail.com> Guillaume J. Charmes <guillaume@charmes.net> Guobiao Mei <meiguobiao@gmail.com> Gustav Paul <gustav.paul@gmail.com> Gustav Westling <gustav@westling.xyz> Gustavo Niemeyer <gustavo@niemeyer.net> Gwenael Treguier <gwenn.kahz@gmail.com> Gyu-Ho Lee <gyuhox@gmail.com> H. İbrahim Güngör <igungor@gmail.com> Hajime Hoshi <hajimehoshi@gmail.com> HAMANO Tsukasa <hamano@osstech.co.jp> Hang Qian <hangqian90@gmail.com> Hanjun Kim <hallazzang@gmail.com> Harald Nordgren <haraldnordgren@gmail.com> Hari haran <hariharan.uno@gmail.com> Hariharan Srinath <srinathh@gmail.com> Harley Laue <losinggeneration@gmail.com> Harry Moreno <morenoh149@gmail.com> Harshavardhana <hrshvardhana@gmail.com> Hauke Löffler <hloeffler@users.noreply.github.com> Håvard Haugen <havard.haugen@gmail.com> Hector Chu <hectorchu@gmail.com> Hector Martin Cantero <hector@marcansoft.com> Henning Schmiedehausen <henning@schmiedehausen.org> Henrik Edwards <henrik.edwards@gmail.com> Henrik Hodne <henrik@hodne.io> Henry Adi Sumarto <henry.adisumarto@gmail.com> Henry Bubert <google@mindeco.de> Henry Chang <mr.changyuheng@gmail.com> Henry Clifford <h.a.clifford@gmail.com> Herbert Georg Fischer <herbert.fischer@gmail.com> Hilko Bengen <bengen@hilluzination.de> Hiroaki Nakamura <hnakamur@gmail.com> Hironao OTSUBO <motemen@gmail.com> Hiroshi Ioka <hirochachacha@gmail.com> Hitoshi Mitake <mitake.hitoshi@gmail.com> Holden Huang <ttyh061@gmail.com> Hong Ruiqi <hongruiqi@gmail.com> Hongfei Tan <feilengcui008@gmail.com> Hsin-Ho Yeh <yhh92u@gmail.com> Hu Keping <hukeping@huawei.com> Hugues Bruant <hugues.bruant@gmail.com> Ian Gudger <ian@loosescre.ws> Ian Kent <iankent85@gmail.com> IBM Ibrahim AshShohail <ibra.sho@gmail.com> Icarus Sparry <golang@icarus.freeuk.com> Iccha Sethi <icchasethi@gmail.com> Idora Shinatose <idora.shinatose@gmail.com> Igneous Systems, Inc. Igor Dolzhikov <bluesriverz@gmail.com> Igor Vashyst <ivashyst@gmail.com> INADA Naoki <songofacandy@gmail.com> Inanc Gumus</p>

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

Provider	Component (s)	Licensing Information
		<p><m@inanc.io> Infobaleen AB Ingo Gottwald <in.gottwald@gmail.com> Ingo Krabbe <ikrabbe.ask@gmail.com> Ingo Oeser <nightlyone@googlemail.com> Intel Corporation Ioannis Georgoulas <geototti21@hotmail.com> Irfan Sharif <irfanmahmoudsharif@gmail.com> Irieda Noboru <irieda@gmail.com> Isaac Ardis <isaac.ardis@gmail.com> Isaac Wagner <ibw@isaacwagner.me> Ivan Babrou <ivan@cloudflare.com> Ivan Bertona <ivan.bertona@gmail.com> Ivan Markin <sw@nogoegst.net> Ivan Moscoso <moscoso@gmail.com> Ivan Ukhov <ivan.ukhov@gmail.com> Jack Britton <jackxbritton@gmail.com> Jacob H. Haven <jacob@jhaven.me> Jacob Hoffman-Andrews <github@hoffman-andrews.com> Jae Kwon <jae@tendermint.com> Jakob Borg <jakob@nym.se> Jakob Weisblat <jakobw@mit.edu> Jakub Ryszard Czarnowicz <j.czarnowicz@gmail.com> James Bardin <j.bardin@gmail.com> James Clarke <jrtc27@jrtc27.com> James Cowgill <James.Cowgill@imgtec.com> James David Chalfant <james.chalfant@gmail.com> James Fysh <james.fysh@gmail.com> James Gray <james@james4k.com> James Hartig <fastest963@gmail.com> James Lawrence <jljatone@gmail.com> James Meneghello <rawrz0r@gmail.com> James Myers <jfmyers9@gmail.com> James Neve <jamesoneve@gmail.com> James P. Cooper <jamespcooper@gmail.com> James Schofield <james@shooboxapp.com> James Smith <jrs1995@icloud.com> James Sweet <james.sweet88@googlemail.com> James Toy <nil@opensesame.st> James Treanor <jtreanor3@gmail.com> James Whitehead <jnwhiteh@gmail.com> Jamie Beverly <jamie.r.beverly@gmail.com> Jamie Kerr <jkerr113@googlemail.com> Jamie Stackhouse <contin673@gmail.com> Jamil Djadala <djadala@gmail.com> Jan Bertold <jan@berktold.co> Jan H. Hosang <jan.hosang@gmail.com> Jan Lehnardt <jan@apache.org> Jan Mercl <0xjml@gmail.com> <befelemepeseveze@gmail.com> Jan Newmarch <jan.newmarch@gmail.com> Jan Pilzer <jan.pilzer@gmx.de> Jan Ziak <0xe2.0x9a. 0x9b@gmail.com> Jani Monoses <jani.monoses@ubuntu.com> Jared Culp <jculp14@gmail.com> Jaroslavas Počepko <jp@webmaster.ms> Jason A. Donenfeld <Jason@zx2c4.com> Jason Barnett</p>

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

Provider	Component (s)	Licensing Information
		<p> <jason.w.barnett@gmail.com> Jason Chu <jasonchujc@gmail.com> Jason Del Ponte <delpontej@gmail.com> Jason Smale <jsmale@zendesk.com> Jason Travis <infomaniac7@gmail.com> Jason Wangsadinata <jwangsadinata@gmail.com> Javier Segura <javism@gmail.com> Jay Weisskopf <jay@jayschwa.net> Jean-André Santoni <jean.andre.santoni@gmail.com> Jean-Francois Cantin <jfcantin@gmail.com> Jean-Nicolas Moal <jn.moal@gmail.com> Jeet Parekh <jeetparekh96@gmail.com> Jeevanandam M <jeeva@myjeeva.com> Jeff Dupont <jeff.dupont@gmail.com> Jeff Hodges <jeff@somethingsimilar.com> Jeff R. Allen <jra@nella.org> Jeff Sickel <jas@corpus- callosum.com> Jeff Wendling <jeff@spacemonkey.com> Jeffrey H <jeffreyh192@gmail.com> Jelte Fennema <github-tech@jeltef.nl> Jens Frederich <jfrederich@gmail.com> Jeremy Jackins <jeremyjackins@gmail.com> Jeroen Bobbeldijk <jrbob92@gmail.com> Jerrin Shaji George <jerrinsg@gmail.com> Jess Frazelle <me@jessfraz.com> Jesse Szwedko <jesse.szwedko@gmail.com> Jesús Espino <jespinog@gmail.com> Jihyun Yu <yjh0502@gmail.com> Jim McGrath <jimmc2@gmail.com> Jimmy Frasche <soapboxcicero@gmail.com> Jimmy Zelinskie <jimmyzelinskie@gmail.com> Jin-wook Jeong <jeweljar@hanmail.net> Jingcheng Zhang <diogin@gmail.com> Jingguo Yao <yaojingguo@gmail.com> Jiong Du <londevil@gmail.com> Jirka Daněk <dnk@mail.muni.cz> Jiulong Wang <jiulongw@gmail.com> Joakim Sernbrant <serbaut@gmail.com> Joe Cortopassi <joe@joecortopassi.com> Joe Farrell <joe2farrell@gmail.com> Joe Harrison <joehazzers@gmail.com> Joe Henke <joed.henke@gmail.com> Joe Kyo <xunianzu@gmail.com> Joe Poirier <jdpoirier@gmail.com> Joe Shaw <joe@joeshaw.org> Joe Sylve <joe.sylve@gmail.com> Joe Tsai <joetsai@digital-static.net> Joel Sing <joel@sing.id.au> Joel Stemmer <stemmertech@gmail.com> Joey Geiger <jgeiger@users.noreply.github.com> Johan Brandhorst <johan.brandhorst@gmail.com> Johan Sageryd <j@1616.se> John Asmuth <jasmuth@gmail.com> John C Barstow <jbowtie@amathaine.com> John Gibb <johngibb@gmail.com> John Graham-Cumming </p>

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

Provider	Component (s)	Licensing Information
		<p> <jgc@jgc.org> <jgrahamc@gmail.com> John Howard Palevich <jack.palevich@gmail.com> John Jeffery <jjeffery@sp.com.au> John Jenkins <twodopeslaggy@gmail.com> John Leidegren <john.leidegren@gmail.com> John Potocny <johnp@vividcortex.com> John R. Lenton <jlenton@gmail.com> John Schnake <schnake.john@gmail.com> John Shahid <jvshahid@gmail.com> John Tuley <john@tuley.org> Johnny Luo <johnnyluo1980@gmail.com> Jonas Bernoulli <jonas@bernoul.li> Jonathan Boule <jonathanboule@gmail.com> Jonathan Chen <dijonkitchen@users.noreply.github.com> Jonathan Gold <jgold.bg@gmail.com> Jonathan Mark <jhmark@xenops.com> Jonathan Pentecost <pentecostjonathan@gmail.com> Jonathan Rudenberg <jonathan@titanous.com> Jonathan Stacks <jonstacks13@gmail.com> Jonathan Wills <runningwild@gmail.com> Jongmin Kim <atomaths@gmail.com> Joonas Kuorilehto <joneskoo@derbian.fi> Joop Kiefte <ikojba@gmail.com> <joop@kiefte.net> Jordan Krage <jmank88@gmail.com> Jordan Lewis <jordanthelewis@gmail.com> Jose Luis Vázquez González <josvazg@gmail.com> Joseph Holsten <joseph@josephholsten.com> Josh Bleecher Snyder <josharian@gmail.com> Josh Chorlton <jchorlton@gmail.com> Josh Deprez <josh.deprez@gmail.com> Josh Goebel <dreamer3@gmail.com> Josh Holland <jrh@joshh.co.uk> Josh Roppo <joshroppo@gmail.com> Josh Varga <josh.varga@gmail.com> Joshua Chase <jcjoshuachase@gmail.com> Joshua Rubin <joshua@rubixconsulting.com> Josselin Costanzi <josselin@costanzi.fr> Jostein Stuhau <js@solidssystem.no> Joyent, Inc. JT Olds <jtolds@xnet5.com> Juan Carlos <juanjcsr@gmail.com> Jude Pereira <judebpereira@gmail.com> Jukka-Pekka Kekkonen <karatepekka@gmail.com> Julian Kornberger <jk+github@digineo.de> Julian Phillips <julian@quantumfyre.co.uk> Julien Salleyron <julien.salleyron@gmail.com> Julien Schmidt <google@julienschmidt.com> Junda Liu <junda@celer.network> Junya Hayashi <ledmonster@gmail.com> Justin Gracenin <jgracenin@gmail.com> Justin Nuß <nuss.justin@gmail.com> Justyn Temme <justyntemme@gmail.com> Kai Backman <kaib@golang.org> Kai Trukenmüller <ktye78@gmail.com> Kale Blankenship <kale@lemnisis.com> Kaleb Elwert <kelwert@atlassian.com> Kamil Chmielewski </p>

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

Provider	Component (s)	Licensing Information
		<p> <kamil.chm@gmail.com> Kamil Kisiel <kamil@kamilkisiel.net> <kamil.kisiel@gmail.com> Kamil Rytarowski <krytarowski@users.noreply.github.com> Kang Hu <hukangustc@gmail.com> Karel Pazdera <pazderak@gmail.com> Karoly Negyesi <chx1975@gmail.com> Karsten Köhler <karsten.koehler95@gmail.com> Kashav Madan <kshvmdn@gmail.com> Kate Manson <kate.manson@izettle.com> Kato Kazuyoshi <kato.kazuyoshi@gmail.com> Katrina Owen <katrina.owen@gmail.com> Kaviraj Kanagaraj <kavirajkanagaraj@gmail.com> Keegan Carruthers-Smith <keegan.csmith@gmail.com> Kei Son <hey.calmdown@gmail.com> Keiji Yoshida <keijiyoshida.mail@gmail.com> Keith Ball <inflatablewoman@gmail.com> Keith Rarick <kr@xph.us> Kelsey Hightower <kelsey.hightower@gmail.com> Kelvin Foo Chuan Lyi <vmirage@gmail.com> Ken Friedenbach <kenliz@cruzio.com> Ken Rockot <ken@oz.gs> Ken Sedgwick <ken@bonsai.com> Kenji Kaneda <kenji.kaneda@gmail.com> Kenji Yano <kenji.yano@gmail.com> Kenneth Shaw <kenshaw@gmail.com> Kenny Grant <kennygrant@gmail.com> Kevin Ballard <kevin@sb.org> Kevin Burke <kev@inburke.com> Kevin Kirsche <kev.kirsche@gmail.com> Kevin Ruffin <kruffin@gmail.com> Kevin Vu <kevin.m.vu@gmail.com> Kieran Colford <kieran@kcolford.com> Kim Yongbin <kybinz@gmail.com> Kir Kolyshkin <kolyshkin@gmail.com> Kirk Han <kirk91.han@gmail.com> Klaus Post <klauspost@gmail.com> Kodie Goodwin <kodiegoodwin@gmail.com> Koichi Shiraishi <zchee.io@gmail.com> Koki Ide <niconegoto@yahoo.co.jp> Konstantin <konstantin8105@gmail.com> Konstantin Shaposhnikov <k.shaposhnikov@gmail.com> KPCompass, Inc. Kris Nova <kris@nivenly.com> Kristopher Watts <traetox@gmail.com> Kun Li <likunarmstrong@gmail.com> Kunpei Sakai <namusyaka@gmail.com> Kuntal Majumder <hellozee@disroot.org> Kyle Consalus <consalus@gmail.com> Kyle Isom <kyle@gokyle.net> Kyle Jones <kyle@kyledj.com> Kyle Lemons <kyle@kylelemons.net> Kyle Shannon <kyle@pobox.com> Kyohei Kadota <lufia@lufia.org> Kyrilo Silin <silin@kyrylo.org> L Campbell <unpantsu@gmail.com> Lai Jiangshan <eag0628@gmail.com> Lakshay Garg </p>

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

Provider	Component (s)	Licensing Information
		<p><lakshay.garg.1996@gmail.com> Lanre Adelowo <yo@lanre.wtf> Larry Hosken <lahosken@gmail.com> Lars Jeppesen <jeppesen.lars@gmail.com> Lars Lehtonen <lars.lehtonen@gmail.com> Lars Wiegman <lars@namsral.com> Larz Conwell <larzconwell@gmail.com> Laurent Voisin <lpvoisin@gmail.com> Laurie Clark-Michalek <laurie@qubit.com> LE Manh Cuong <cuong.manhle.vn@gmail.com> Lee Hinman <hinman@gmail.com> Lee Packham <lpackham@gmail.com> Lehner Florian <dev@der-flo.net> Leigh McCulloch <leighmcc@gmail.com> Leo Antunes <leo@costela.net> Leon Klingele <git@leonklingele.de> Leonel Quinteros <leonel.quinteros@gmail.com> Lev Shamardin <shamardin@gmail.com> Lewin Bormann <lewin.bormann@gmail.com> Liberty Fund Inc Linaro Limited Lion Yang <lion@aosc.xyz> Lloyd Dewolf <foolswisdom@gmail.com> Lorenzo Masini <rugginoso@develer.com> Lorenzo Stoakes <lstoakes@gmail.com> Luan Santos <cfcluan@gmail.com> Lubomir I. Ivanov <neolit123@gmail.com> Luca Greco <luca.greco@alcacoop.it> Lucas Bremgartner <lucas.bremgartner@gmail.com> Lucien Stuker <lucien.stuker@gmail.com> Lucio De Re <lucio.dere@gmail.com> Ludi Rehak <ludi317@gmail.com> Luigi Riefolo <luigi.riefolo@gmail.com> Luit van Drongelen <luitvd@gmail.com> Luka Zakrajšek <tr00.g33k@gmail.com> Luke Curley <qpingu@gmail.com> Luke Granger-Brown <git@lukegb.com> Lyle Franklin <lylejfranklin@gmail.com> Ma Peiqi <mapeiqi2017@gmail.com> Maicon Costa <maiconscosta@gmail.com> Maksym Trykur <maksym.trykur@gmail.com> Mal Curtis <mal@mal.co.nz> Manfred Touron <m@42.am> Manigandan Dharmalingam <manigandan.jeff@gmail.com> Manish Goregaokar <manishsmail@gmail.com> Mansour Rahimi <rahimi.mnr@gmail.com> Manu S Ajith <neo@codingarena.in> Manuel Mendez <mmendez534@gmail.com> Marc Weistroff <marc@weistroff.net> Marcel Edmund Franke <marcel.edmund.franke@gmail.com> Marcelo Cantos <marcelo.cantos@gmail.com> Marcelo E. Magallon <marcelo.magallon@gmail.com> Marco Hennings <marco.hennings@freiheit.com> Marin Bašić <marin.basic02@gmail.com> Mario Arranz <marioarranzr@gmail.com> Mark Adams <mark@markadams.me> Mark Bucciarelli <mkbucc@gmail.com> Mark Percival</p>

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

Provider	Component (s)	Licensing Information
		<p> <m@mdp.im> Mark Pulford <mark@kyne.com.au> Mark Rushakoff <mark.rushakoff@gmail.com> Mark Severson <miquella@gmail.com> Mark Theunissen <mark.theunissen@gmail.com> Mark Wolfe <mark@wolfe.id.au> Marko Juhani Silokunnas <marko.silokunnas@gmail.com> Marko Mudrinic <mudrinic.mare@gmail.com> Marko Tiikkaja <marko@joh.to> Markover Inc. DBA Poptip Markus Duft <markus.duft@salomon.at> Markus Sonderegger <marraison@gmail.com> Markus Zimmermann <zimmski@gmail.com> Martin Bertschler <mbertschler@gmail.com> Martin Garton <garton@gmail.com> Martin Hamrle <martin.hamrle@gmail.com> Martin Hoefling <martin.hoefling@gmx.de> Martin Kunc <martinkunc@users.noreply.github.com> Martin Lindhe <martin.j.lindhe@gmail.com> Martin Möhrmann <martisch@uos.de> Martin Neubauer <m.ne@gmx.net> Martin Olsen <github.com@martinolsen.net> Martin Olsson <martin@minimum.se> Martin Probst <martin@probst.io> Martin Sucha <anty.sk +git@gmail.com> Martins Sipenko <martins.sipenko@gmail.com> Marvin Stenger <marvin.stenger94@gmail.com> Marwan Sulaiman <marwan.sulaiman@work.co> Maryan Hratson <gmarik@gmail.com> Masahiro Furudate <masahiro.furudate@gmail.com> Masahiro Wakame <vvakame@gmail.com> Masaki Yoshida <yoshida.masaki@gmail.com> Mat Byczkowski <mbyczkowski@gmail.com> Mat Ryer <thatmatryer@gmail.com> Máté Gulyás <mgulyas86@gmail.com> Matej Bačo <matejbaco@gmail.com> Mateus Amin <mateus.amin@gmail.com> Mateusz Czaplinski <czapkofan@gmail.com> Mathias Beke <git@denbeke.be> Mathias Hall-Andersen <mathias@hall-andersen.dk> Mathias Leppich <mleppich@muhqu.de> Mathieu Lonjaret <mathieu.lonjaret@gmail.com> Mats Lidell <mats.lidell@cag.se> Matt Aimonetti <mattaimonetti@gmail.com> Matt Blair <me@matthewblair.net> Matt Bostock <matt@mattbostock.com> Matt Dee <mdee@hioscar.com> Matt Drollette <matt@drollette.com> Matt Harden <matt.harden@gmail.com> Matt Jibson <matt.jibson@gmail.com> Matt Joiner <anacrolix@gmail.com> Matt Juran <thepciet@gmail.com> Matt Layher <mdlayher@gmail.com> Matt Reiferson <mreiferson@gmail.com> Matt Robenolt <matt@ydekproductions.com> Matt Strong <mstrong1341@gmail.com> Matt T. Proud </p>

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

Provider	Component (s)	Licensing Information
		<p><matt.proud@gmail.com> Matt Williams <gh@mattyw.net> Matthew Brennan <matty.brennan@gmail.com> Matthew Broberg <matthewbbroberg@gmail.com> Matthew Cottingham <mattcottingham@gmail.com> Matthew Denton <mdenton@skyportsystems.com> Matthew Holt <Matthew.Holt+git@gmail.com> Matthew Horsnell <matthew.horsnell@gmail.com> Matthieu Hauglustaine <matt.hauglustaine@gmail.com> Matthieu Olivier <olivier.matthieu@gmail.com> Matthijs Kooijman <matthijs@stdin.nl> Max Riveiro <kavu13@gmail.com> Max Schmitt <max@schmitt.mx> Maxim Khitrov <max@mxcrypt.com> Maxime de Roucy <maxime.deroucy@gmail.com> Máximo Cuadros Ortiz <mcuadros@gmail.com> Maxwell Krohn <themax@gmail.com> Mayank Kumar <krmayank@gmail.com> MediaMath, Inc Meir Fischer <meirfischer@gmail.com> Meng Zhuo <mengzhuo1203@gmail.com> Meteor Development Group Mhd Sulhan <m.shulhan@gmail.com> Micah Stetson <micah.stetson@gmail.com> Michael Brandenburg <mbrandenburg@bolste.com> Michael Chaten <mchaten@gmail.com> Michael Dorner <mail@michaeldorf.de> Michael Edwards <medwards@walledcity.ca> Michael Elkins <michael.elkins@gmail.com> Michael Fraenkel <michael.fraenkel@gmail.com> Michael Gehring <mg@ebfe.org> <gnirheg.leahcim@gmail.com> Michael Hendricks <michael@ndrix.org> Michael Hoisie <hoisie@gmail.com> Michael Kasch <michael.kasch@gmail.com> Michael Käufl <golang@c.michael-kaeufl.de> Michael Lewis <mikelikespie@gmail.com> Michael MacInnis <Michael.P.MacInnis@gmail.com> Michael Marineau <mike@marineau.org> Michael McConville <momconville@gmail.com> Michael McLoughlin <mmcloughlin@gmail.com> Michael Pearson <mipearson@gmail.com> Michael Schaller <michael@5challer.de> Michael Schurter <michael.schurter@gmail.com> Michael Stapelberg <michael@stapelberg.de> Michael Steinert <mike.steinert@gmail.com> Michael Teichgräber <mteichgraeber@gmx.de> Michael Vetter <g.bluehut@gmail.com> Michal Bohuslavec <mbohuslavec@gmail.com> Michal Derkacz <ziutek@lnet.pl> Michal Franc <lam.michal.franc@gmail.com> Michal Pristas <michal.pristas@gmail.com> Miek Gieben <miek@miek.nl> Miguel Mendez <stxmendez@gmail.com> Miguel Molina</p>

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

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

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

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

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

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

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

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

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

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Kubernetes	Helm 2.9.1	<p>APACHE 2.0 - See Appendix E</p> <p>----- Fourth Party dependencies: Package: cloud.google.com/go URL: https://code.google.com/go/cloud 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: bf70f2a70fb1b1f36d90d671a72795984eab0fcb Person: @chai2010 [chai2010] Copyright 2013 ChaiShushan <chaishushan{AT}gmail.com>. All rights reserved. Redistribution and use in source</p>

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		<p>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: 944e07253867aacae43c04b2e6a239005443f33a 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 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</p>

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		<p>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 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</p>

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		<p>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>
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>

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Apache	HttpCore 4.4.11	Copyright 2005-2018 The Apache Software Foundation APACHE 2.0 - See Appendix E
Stefan Majer	influxdb-java 2.14	Copyright (c) 2014-2017 Stefan Majer MIT - See Appendix E
seancofoley	ipaddress 5.0.2	APACHE 2.0 - See Appendix E
FasterXML L, 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>
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FasterXML, LLC	jackson-databind 2.10.1	<p>Copyright (c) 2019 Tatu Saloranta <tatu.saloranta@iki.fi></p> <p>APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>Below are 4th party dependencies # 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 2.10.0</p> <p>-----</p> <p>COPYRIGHT: Copyright (c) 2007- Tatu Saloranta, tatu.saloranta@iki.fi</p> <p>APACHE 2.0 - See Appendix E</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>-----jackson-annotations 2.10.0-----</p> <p>COPYRIGHT: Copyright (c) 2007- Tatu Saloranta, tatu.saloranta@iki.fi</p> <p>APACHE 2.0 - See Appendix E</p>

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FasterXML, LLC	jackson-datatype-joda 2.9.6	APACHE 2.0 - See Appendix E Below are 4th party dependencies: jackson-annotations 2.9.0, Apache 2.0 jackson-core 2.9.6, Apache 2.0 jackson-databind 2.9.6, Apache 2.0 Above 3 softwares don't have copyright info in the source code, just license info of Apache 2.0 joda-time 2.7, Apache 2.0 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/).
FasterXML, LLC	jackson-datatype-joda 2.9.7	APACHE 2.0 - See Appendix E 4th party dependencies: jackson-annotations 2.9.0, Apache 2.0 jackson-core 2.9.6, Apache 2.0 jackson-databind 2.9.6, Apache 2.0 joda-time 2.7, Apache 2.0 APACHE 2.0 - See Appendix E

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youDevises, Ltd.	Java DogStatsD Client 2.6.1	<p>Copyright (C) 2012 youDevises, Ltd. MIT - See Appendix G ++++++</p> <p>+++++ 4th party dependency jnr-unixsocket, v0.18 Copyright (C) 2009 Wayne Meissner APACHE 2.0 - See Appendix E</p>
Oracle	JavaScript Extension Toolkit (JET) 5.1.0	JET - See Appendix L.

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Opentracing g. Io	opentracing-python 2.0.0	Copyright The OpenTracing Authors Copyright Uber Technologies, Inc APACHE 2.0 - See Appendix E

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opentracing-contrib	OpenTracing Spring Jaeger Starter 0.1.4	<p>APACHE 2.0 - See Appendix E</p> <p>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>

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opentracing-contrib	OpenTracing Spring Web 1.1.1	<p>APACHE 2.0 - See Appendix E 4th-party dependency: opentracing-web-servlet-filter v0.1.0 APACHE 2.0 - See Appendix E</p>
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		<p>APACHE 2.0 - See Appendix E Copyright (C) 2019 José Paumard APACHE 2.0 - See Appendix E 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> <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>

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

Provider	Component (s)	Licensing Information
		<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> <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>

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

Provider	Component (s)	Licensing Information
		<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> <p>FOURTH-PARTY DEPENDENCY #50 io.projectreactor:reactor-core:3.2.10.RELEASE</p> <p>APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>FOURTH-PARTY DEPENDENCY #51 org.bouncycastle:bcpkix-jdk15on:1.60</p> <p>FOURTH-PARTY DEPENDENCY #52 org.bouncycastle:bcprov-jdk15on:1.60</p> <p>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</p>

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Pivotal Software, Inc	Spring Cloud Stream 2.0.1.RELEASE	<p>Copyright 2017 the original author or authors. APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>4th party dependencies (required):</p> <ol style="list-style-type: none"> 1) org.springframework » spring-messaging (Apache 2.0) Copyright 2002-2018 the original author or authors. 2) org.springframework » spring-tuple V 1.0.0.RELEASE (Apache 2.0) Copyright 2016 the original author or authors. 3) org.springframework.boot » spring-boot-starter-validation (Apache 2.0) 4) org.springframework.integration » spring-integration-core (Apache 2.0) Copyright 2002-2010 the original author or authors. 5) org.springframework.integration » spring-integration-jmx (Apache 2.0) Copyright 2002-2014 the original author or authors. 6) org.springframework.integration » spring-integration-tuple V 1.0.0.RELEASE (Apache 2.0) Copyright 2013 the original author or authors. 7) org.springframework.retry » spring-retry (Apache 2.0) Copyright 2006-2007 the original author or authors.
Spring IO	Spring Cloud Stream Binder Kafka 2.0.1.RELEASE	<p>Copyright 2017-2018 the original author or authors. APACHE 2.0 - See Appendix E</p>

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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 Copyright © 2008–2016 FasterXML. All rights reserved.</p> <p>com.fasterxml.jackson.dataformat:jackson-dataformat-yaml com.fasterxml.jackson.module:jackson-module-jaxb-annotations Copyright © 2016 FasterXML. All rights reserved.</p> <p>com.github.mifmif:generex Copyright © 2016. All Rights Reserved.</p> <p>com.squareup.okhttp3:logging-interceptor Copyright (C) 2015 Square, Inc. APACHE 2.0 - See Appendix E</p> <p>com.squareup.okhttp3:logging-interceptor com.squareup.okio:okio Copyright (C) 2017 Square, Inc. APACHE 2.0 - See Appendix E</p> <p>dk.brics.automaton:automaton Copyright © 2011. All Rights Reserved.</p> <p>io.fabric8:kubernetes-client io.fabric8:kubernetes-model Copyright © 2015–2018 Red Hat. All rights reserved.</p> <p>io.fabric8:zjsonpatch Copyright 2016 flipkart.com zjsonpatch. APACHE 2.0 - See Appendix E Copyright (C) 2016 Red Hat, Inc. APACHE 2.0 - See Appendix E</p> <p>javax.validation:validation-api Copyright © 2007-2013. All Rights Reserved.</p> <p>org.springframework.boot:spring-boot org.springframework.boot:spring-boot-autoconfigure org.springframework.cloud:spring-cloud-context org.springframework.security:spring-security-crypto org.springframework:spring-aop org.springframework:spring-beans org.springframework:spring-context org.springframework:spring-core org.springframework:spring-expression org.springframework:spring-jcl</p>

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		<p>Copyright © 2019 Pivotal Software, Inc.. All rights reserved. org.springframework.cloud:spring-cloud-kubernetes-config org.springframework.cloud:spring-cloud-kubernetes-core</p> <p>Copyright © 2017–2019 Pivotal Software, Inc.. All rights reserved. APACHE 2.0 - See Appendix E org.slf4j:jul-to-slf4j org.slf4j:slf4j-api</p> <p>The MIT License (MIT)</p> <p>Copyright (c) 2004-2017 QOS.ch All rights reserved. See Appendix G</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>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> <p>=====</p> <p>Copyright (C) 2010 The Guava Authors Licensed under the Apache License, Version 2.0 (the "License")</p>

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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>

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Provider	Component (s)	Licensing Information
Spring IO	spring-kafka 2.1.10.RELEASE	<p>Copyright 2018 the original author or authors. APACHE 2.0 - See Appendix E ++++++</p> <p>Below are 4th party dependencies. ++++++</p> <p>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 1.2.4	<p>© 2019 Pivotal Software, Inc. All Rights Reserved. APACHE 2.0 - See Appendix E 4th -party dependencies: spring-core 5.1.2 © 2019 Pivotal Software, Inc. All Rights Reserved. APACHE 2.0 - See Appendix E spring-jcl 5.1.2 © 2019 Pivotal Software, Inc. All Rights Reserved. APACHE 2.0 - See Appendix E</p>

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Pivotal Software, Inc	Spring Security 5.1.5.RELEASE	<pre> ===== ===== == NOTICE file corresponding to section 4(d) of the Apache License, == == Version 2.0, in this case for the Spring Security distribution. == ===== ===== The end-user documentation included with a redistribution, if any, must include the following acknowledgement: "This product includes software developed by Spring Security Project (https://www.springframework.org/ security)."</pre> <p>Alternately, this acknowledgement may appear in the software itself, if and wherever such third-party acknowledgements normally appear.</p> <p>The names "Spring", "Spring Security", "Spring Security System", "SpringSource", "Acegi", "Acegi Security", "Acegi Security System", "Acegi" or any derivatives thereof may not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact ben.alex@springsource.com.</p> <p>APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>4th party dependencies +++++</p> <pre> org.springframework spring-aop 5.1.6.RELEASE org.springframework spring-beans 5.1.6.RELEASE org.springframework spring-context 5.1.6.RELEASE org.springframework spring-core 5.1.6.RELEASE org.springframework spring-expression 5.1.6.RELEASE org.springframework spring-jdbc 5.1.6.RELEASE org.springframework spring-orm 5.1.6.RELEASE copyright (c) 2002-2019 Pivotal, Inc. APACHE 2.0 - See Appendix E ----- org.springframework spring-aop</pre>

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

Provider	Component (s)	Licensing Information
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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>

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Free Software Foundation, Inc.	wget 1.14-18	<p>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</p>

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Provider	Component (s)	Licensing Information
Tom Akehurst	WireMock 2.20.0	<p>Copyright (C) 2011 Thomas Akehurst APACHE 2.0 - See Appendix E -- 4th Party Dependencies: jackson core, 2.9.8, COPYRIGHT: Copyright (c) 2007- Tatu Saloranta, tatu.saloranta@iki.fi APACHE 2.0 - See Appendix E</p> <p>+++++</p> <p>zjsonpatch, 0.4.4, Apache 2.0 Copyright 2016 flipkart.com zjsonpatch. APACHE 2.0 - See Appendix E</p> <p>+++++</p> <p>handlebars, 4.0.7, MIT Copyright (C) 2011-2017 by Yehuda Katz MIT - See Appendix G</p> <p>+++++</p> <p>guava, 27.0.1, Apache 2.0 Copyright (C) 2012 The Guava Authors APACHE 2.0 - See Appendix E</p> <p>+++++</p> <p>json-path, 2.4.0, Apache 2.0 Copyright 2017 Jayway APACHE 2.0 - See Appendix E</p> <p>+++++</p> <p>jopt-simple, 5.0.3, MIT Copyright (c) 2004-2016 Paul R. Holser, Jr. MIT - See Appendix G</p> <p>+++++</p> <p>commons-lang3, 3.7, Apache 2.0 Apache Commons Lang Copyright 2001-2018 The Apache Software Foundation APACHE 2.0 - See Appendix E</p> <p>+++++</p> <p>httpclient, 4.5.5, Apache 2.0 Apache HttpComponents Client Copyright 1999-2018 The Apache Software Foundation APACHE 2.0 - See Appendix E</p> <p>+++++</p> <p>jetty, 9.2.24.v20180105, Apache 2.0 Jetty Web Container Copyright 1995-2019 Mort Bay Consulting Pty Ltd. APACHE 2.0 - See Appendix E</p>

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		kxml2-min, v2.3.0, MIT Copyright (c) 2002,2003, Stefan Haustein, Oberhausen, Rhld., Germany MIT - See Appendix G
OpenZipkin	Zipkin 2.12.1	<p>Copyright 2015-2018 The OpenZipkin Authors APACHE 2.0 - See Appendix E</p> <p>-----</p> <p>Below are 4th party dependencies. org.jooq >> jooq, 3.11.9 APACHE 2.0 - See Appendix E</p> <p>+++++</p> <p>spring-boot, 2.1.2.RELEASE APACHE 2.0 - See Appendix E</p> <p>+++++</p> <p>okhttp3, 3.12.1 APACHE 2.0 - See Appendix E</p> <p>+++++</p> <p>com.squareup.okio, 1.17.3 Copyright 2013 Square, Inc. APACHE 2.0 - See Appendix E</p> <p>+++++</p> <p>com.squareup.moshi, 1.8.0 Copyright 2015 Square, Inc. APACHE 2.0 - See Appendix E</p> <p>+++++</p> <p>com.google.auto.value, 1.6.3 Copyright 2013 Google, Inc. APACHE 2.0 - See Appendix E</p> <p>+++++</p> <p>log4j, 2.11.0 Copyright 1999-2017 Apache Software Foundation APACHE 2.0 - See Appendix E</p>
OpenZipkin	zipkin-reporter-java 2.7.15	<p>Copyright 2016-2018 The OpenZipkin Authors APACHE 2.0 - See Appendix E</p> <p>+++++</p> <p>Below 4th party dependency</p> <p>+++++</p> <p>com.squareup.okhttp3, 3.12.1 Copyright (C) 2013 Square, Inc. APACHE 2.0 - See Appendix E</p> <p>+++++</p> <p>io.zipkin.zipkin2, 2.12.1 Copyright 2015-2018 The OpenZipkin Authors</p>

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 ===== File 2 of 38: config.GUESS
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 ===== File 3 of 38: configure
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 ===== File 4 of 38: header
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 ===== File 8 of 38: ext/calendar: dow.c

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 ===== File 12 of 38: ext/gd/libgd/README

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 ===== File 18 of 38: ext/mbstring/oniguruma/enc/ascii.c
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 ===== File 21 of 38: ext/mbstring/ucgendat/ucgendat
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Knockout Fast Foreach v0.6.0 (2016-07-28T11:02:54.197Z)

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* webcomponents/custom-elements - v1.0.8

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```
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*/
/* This component is based on original code from:
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* Author: Miller Medeiros | MIT License
* v0.12.0 (2013/01/21 13:47)
*/
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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.