

Oracle® Communications

Cloud Native Core Licensing Information User Manual



Release 2.2.0
F32738-01
June 2020

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

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G	The MIT License (MIT)	<hr/>
H	Zlib License	<hr/>
I	ACE- 6.4.7 License	<hr/>
J	ECLIPSE 1.0 License	<hr/>
K	PHP License	<hr/>
L	JET License	<hr/>
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N	BSD License and JSON License	<hr/>
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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

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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. 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. 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. 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. 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.</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>

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.

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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 1.4.0 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 1.1.0 Components

Groovy 3.0.3	Spring Cloud Starter Gateway 2.2.1
Hazelcast Discovery Plugin for Kubernetes 1.5.3	spring-boot-starter-actuator 2.2.4.RELEASE
hazelcast-kubernetes 1.5.2	spring-boot-starter-data-jpa 2.2.4.RELEASE
HikariCP 3.3.1	spring-boot-starter-oauth2-client 2.2.4.RELEASE
jackson-datatype-joda 2.10.0	spring-boot-starter-oauth2-resource-server 2.2.4.RELEASE
Jetty 9.4.24	spring-cloud-starter-kubernetes 1.0.3.RELEASE
jetty-reactive-httpclient 1.1.0	spring-cloud-starter-kubernetes-config 1.0.3.RELEASE
Kubernetes Java Client 7.0.0	spring-cloud-starter-kubernetes-config 1.1.2
Micrometer Registry Prometheus 1.3.6	spring-boot-starter-test 2.2.4.RELEASE
netty 4.1.46.Final	spring-boot-starter-undertow 2.2.4.RELEASE
OpenTracing Spring Jaeger Web Starter 2.0.3	spring-boot-starter-web 2.2.4
reactor-netty 0.9.5	springfox-swagger-ui 2.9.2

Diameter Routing Agent 1.6.0 Components

Guava 28.1	Spring Boot 2.2.4.RELEASE
HttpClient 4.5.7	spring-boot-starter-actuator 2.2.4.RELEASE
jackson-core 2.10.0	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 1.1.4	

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 1.6.0 Components

bucket4j 4.8.0	OkHttp 4.2.2
client-java 7.0.0	OpenTracing Spring Jaeger Web Starter 2.0.3
Commons Beanutils 1.9.4	OWASP Dependency Check 5.2.4
Commons IO 2.6	reactor-netty 0.9.5
Guava 28.1	spring-boot-starter-actuator 2.2.4.RELEASE
Hazelcast 3.12.5	spring-boot-starter-data-jpa 2.2.4.RELEASE
Hazelcast Discovery Plugin for Kubernetes 1.5.3	spring-boot-starter-log4j2 2.2.4.RELEASE
HttpClient 4.5.7	spring-boot-starter-oauth2-client 2.2.4
JCache Reference Implementation 1.1.1	spring-boot-starter-oauth2-resource-server 2.2.4
jetty 9.4.27.v20200227	spring-boot-starter-test 2.2.4.RELEASE
jetty-reactive-httpclient 1.1.2	spring-boot-starter-undertow 2.2.4.RELEASE
jjwt 0.10.7	spring-boot-starter-web 2.2.4.RELEASE
Kubernetes Java Client 7.0.0	spring-cloud-starter-kubernetes 1.1.2.RELEASE
Log4J 2.13.1	spring-cloud-starter-kubernetes-config 1.1.2.RELEASE
Micrometer 1.1.4	Spring Cloud Starter Gateway 2.2.1
Micrometer Registry Prometheus 1.3.6	Springfox 2.9.2
netty 4.1.46.Final	springfox-swagger-ui 2.9.2

Network Slice Selection Function 1.3 Components

jackson-annotations 2.10.0	Spring Boot 2.2.4.RELEASE
jackson-core 2.10.0	spring-boot-starter-actuator 2.2.4.RELEASE
jackson-databind 2.10.0	spring-boot-starter-data-jpa 2.2.4.RELEASE
Kubernetes Java Client 7.0.0	spring-boot-starter-test 2.2.4.RELEASE
Micrometer 1.1.4	spring-boot-starter-undertow 2.2.4.RELEASE
OkHttp 4.2.2	spring-boot-starter-web 2.2.4
OpenTracing Spring Jaeger Web Starter 3.0.1	Undertow 2.1.0.Final
OWASP Dependency Check 5.2.4	

Policy Control Function 1.6.1 Components

akka-cluster-sharding 2.5.22	opentracing-spring-jaeger-cloud-starter 2.0.3
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Avro 1.9.2	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 3.3.1	spring-boot-devtools 2.2.6.RELEASE
HttpClient 4.5.6	Spring-boot-starter 2.2.6
jackson-databind 2.10.0	spring-boot-starter-actuator 2.2.6.RELEASE
jackson-datatype-joda 2.10.0	spring-boot-starter-data-jpa 2.2.6.RELEASE
jackson-datatype-jsr310 2.10.0	spring-boot-starter-test 2.2.6.RELEASE
Jetty 9.4.24	spring-boot-starter-undertow 2.2.6.RELEASE
jetty-reactive-httpclient 1.1.0	spring-boot-starter-web 2.2.6.RELEASE
Micrometer Registry Prometheus 1.3.6	spring-boot-starter-webflux 2.2.6.RELEASE
Log4J 2.13.1	springfox-swagger-ui 2.9.2
Log4j-API 2.13.1	Spring Framework 5.2.3.RELEASE
log4j-web 2.13.1	spring-kafka 2.2.5.RELEASE

Policy and Charging Rules Function 1.6.0 Components

Brave 5.6	Micrometer Registry Prometheus 1.3.6
Commons IO 2.6	opentracing-spring-jaeger-cloud-starter 2.0.3
commons-lang 3.9	OpenTracing Spring Web 1.1.1
HttpClient 4.5.6	Spring-boot-starter 2.2.6
jackson-annotations 2.10.0	spring-boot-devtools 2.2.6.RELEASE
jackson-core 2.10.0	spring-boot-starter-test 2.2.6.RELEASE
jackson-databind 2.10.0	spring-boot-starter-undertow 2.2.6.RELEASE
jackson-datatype-joda 2.10.0	spring-boot-starter-web 2.2.6.RELEASE
jetty-reactive-httpclient 1.1.0	spring-boot-starter-webflux 2.2.6.RELEASE
Log4j-API 2.13.1	springfox-swagger-ui 2.9.2
log4j-web 2.13.1	spring-kafka 2.4.5

Security Edge Protection Proxy 1.3.0 Components

Commons-Lang 3.9	Nimbus JOSE+JWT 8.8
jackson-annotations 2.10.2	OkHttp 4.2.2
jackson-core 2.10.2	Spring Boot 2.2.4.RELEASE
jackson-databind 2.10.2	spring-boot-autoconfigure 2.2.4
jackson-dataformat-yaml 2.10.2	Spring-boot-starter 2.2.4
JSON-Java 20190722-6b6e8e8	spring-boot-starter-undertow 2.2.4.RELEASE
JsonPath 2.4.0	spring-boot-starter-web 2.2.4
Kubernetes Java Client 7.0.0	

Service Communication Proxy 1.6.0 Components

Commons Lang 3.9	Spring Boot 2.2.4.RELEASE
Istio 1.1.17	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 7.0.0	springfox-swagger-ui 2.9.2
OkHttp 4.2.2	Tomcat Embedded 9.0.30

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 1.6.0 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.RELEASE
HttpComponents 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 20190722-6b6e8e8	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

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Apache 2.0	akka-cluster-sharding 2.5.22	APACHE 2.0 -See Appendix E

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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/cloudsql-go-driver 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>

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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>

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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
		<p>d1 Person: @docker [Docker] APACHE 2.0 - See Appendix E</p> <p>----- Package: github.com/docker/spdystream URL: https://github.com/docker/spdystream Version: 449dfce4d962303d702fec724ef0ad181c92528 Person: @docker [Docker] APACHE 2.0 - See Appendix E</p> <p>----- Package: github.com/emicklei/gorrestful URL: https://github.com/emicklei/gorrestful 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: 944e07253867aaca43c04b2e6a239005443f33a 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</p>

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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>

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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</p>

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Provider	Component (s)	Licensing Information
Apache	HttpClient 4.5.6	<p>Apache httpclient 4.5.6 COPYRIGHT: Copyright 1999-2018 The Apache Software Foundation</p> <p>APACHE 2.0 - See Appendix E</p> <p>4P Dependencies: commons-codec » commons-codec 1.10 COPYRIGHT: Copyright 2002-2014 The Apache Software Foundation LICENSE: Apache 2.0 https://github.com/apache/commons-codec/blob/1.10/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 4.4.10 COPYRIGHT: Copyright 2005-2018 The Apache Software Foundation LICENSE: Apache 2.0 https://github.com/apache/httpcomponents-core/blob/4.4.10/LICENSE.txt</p>

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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: 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 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-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>

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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>

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Provider	Component (s)	Licensing Information
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seancfoley	ipaddress 5.0.2	APACHE 2.0 - See Appendix E

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Provider	Component (s)	Licensing Information
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Provider	Component (s)	Licensing Information
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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>
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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>

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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>

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Provider	Component (s)	Licensing Information
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		<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>
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Apache	Log4J 2.13.1	<p>These are all the Log4j 2.13.1 artifacts: log4j-1.2-api-2.13.1.jar log4j-api-2.13.1.jar log4j-api-scala_2.12-11.0.jar log4j-cassandra-2.13.1.jar log4j-core-2.13.1.jar log4j-couchdb-2.13.1.jar log4j-flume-ng-2.13.1.jar log4j-iostreams-2.13.1.jar log4j-jcl-2.13.1.jar log4j-jul-2.13.1.jar log4j-slf4j-impl-2.13.1.jar log4j-taglib-2.13.1.jar log4j-to-slf4j-2.13.1.jar log4j-web-2.13.1.jar They are all covered under the following license and copyright notice: License: Apache 2.0</p> <p>See Appendix E</p> <p>Copyright Notice: Apache Log4j API Copyright 1999-2020 The Apache Software Foundation This product includes software developed at The Apache Software Foundation (http://www.apache.org/).</p>
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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 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

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		<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>

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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>[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. You may obtain a copy of the License at https://www.apache.org/licenses/LICENSE-2.0</p> <p>-----</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. You may obtain a copy of the License at https://www.apache.org/licenses/LICENSE-2.0</p> <p>-----</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> <p>-----</p>

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Provider	Component (s)	Licensing Information
Pivotal Software, Inc	spring-boot-starter-actuator 2.2.6.RELEASE	<p>org.springframework.boot:spring-boot-starter-actuator:jar:2.2.2.RELEASE:compile © 2019 Pivotal Software, Inc. All Rights Reserved -----separator----- TOP-LEVEL LICENSE TEXT for org.springframework.boot:spring-boot-starter-actuator:jar:2.2.2.RELEASE:compile Apache License, Version 2.0 Apache License, Version 2.0 - See Appendix E</p> <p>[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 [FOURTH-PARTY DEPENDENCY #13] +- com.fasterxml.jackson.datatype:jackson-datatype-jsr310:jar:2.10.1:compile [FOURTH-PARTY DEPENDENCY #14] +- com.fasterxml.jackson.core:jackson-annotations:jar:2.10.1:compile [FOURTH-PARTY DEPENDENCY #15] +- org.springframework.boot:spring-boot:jar:2.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #16] +-</p>

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

Provider	Component (s)	Licensing Information
		<p>com.fasterxml.jackson.core:jackson-databind:jar:2.10.1:compile [FOURTH-PARTY DEPENDENCY #17] +- com.fasterxml.jackson.core:jackson-core:2.10.1:compile [FOURTH-PARTY DEPENDENCY #18] \- org.springframework.boot:spring-boot-autoconfigure:jar:2.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #01] org.springframework.boot:spring-boot-starter:jar:2.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #01] COPYRIGHT NOTICE 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>[FOURTH-PARTY DEPENDENCY #02] io.micrometer:micrometer-core:jar:1.3.1:compile [FOURTH-PARTY DEPENDENCY #02] COPYRIGHT NOTICE Copyright 2019 Pivotal Software, 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>[FOURTH-PARTY DEPENDENCY #03] org.hdrhistogram:HdrHistogram:2.1.11:compile [FOURTH-PARTY DEPENDENCY #03] COPYRIGHT NOTICE 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>[FOURTH-PARTY DEPENDENCY #04] org.latencyutils:LatencyUtils:2.0.3:compile [FOURTH-PARTY DEPENDENCY #04] COPYRIGHT NOTICE Written by Gil Tene of Azul Systems, and released to</p>

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Provider	Component (s)	Licensing Information
		<p>the public domain, as explained at http://creativecommons.org/publicdomain/zero/1.0/</p> <p>[FOURTH-PARTY DEPENDENCY #05] org.springframework.boot:spring-boot-actuator-autoconfigure:jar:2.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #05] COPYRIGHT NOTICE Copyright 2012-2019 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 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 #06] org.springframework:spring-core:jar:5.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #06] COPYRIGHT NOTICE Copyright 2002-2019 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 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>Common Copyright Notice for 7, 8, 9, 10, 11, 12 [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</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 [FOURTH-PARTY DEPENDENCY #07, 08, 09, 10, 11, 12] COPYRIGHT NOTICE Copyright 2002-2019 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 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 #13] com.fasterxml.jackson.datatype:jackson-datatype-jsr310:jar:2.10.1:compile [FOURTH-PARTY DEPENDENCY #13] COPYRIGHT NOTICE Copyright 2013 FasterXML.com 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. This copy of Jackson JSON processor streaming parser/generator 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</p> <p>[FOURTH-PARTY DEPENDENCY #14] com.fasterxml.jackson.core:jackson-annotations:jar:2.10.1:compile [FOURTH-PARTY DEPENDENCY #14] COPYRIGHT NOTICE This copy of Jackson JSON processor annotations 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</p>

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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
		<p>Common License Notice for CC0 1.0 [FOURTH-PARTY DEPENDENCY #03] org.hdrhistogram:HdrHistogram:2.1.11:compile [FOURTH-PARTY DEPENDENCY #04] org.latencyutils:LatencyUtils:2.0.3:compile 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 MAKES NO WARRANTIES REGARDING THE USE OF THIS DOCUMENT OR THE INFORMATION OR WORKS PROVIDED HEREUNDER, AND DISCLAIMS LIABILITY FOR DAMAGES RESULTING FROM THE USE OF THIS DOCUMENT OR THE INFORMATION OR WORKS PROVIDED HEREUNDER. Statement of Purpose The laws of most jurisdictions throughout the world automatically confer exclusive Copyright and Related Rights (defined below) upon the creator and subsequent owner(s) (each and all, an "owner") of an original work of authorship and/or a database (each, a "Work"). Certain owners wish to permanently relinquish those rights to a Work for the purpose of contributing to a commons of creative, cultural and scientific works ("Commons") that the public can reliably and without fear of later claims of infringement build upon, modify, incorporate in other works, reuse and redistribute as freely as possible in any form whatsoever and for any purposes, including without limitation commercial purposes. These owners may contribute to the Commons to promote the ideal of a free culture and the further production of creative, cultural and scientific works, or to gain reputation or greater distribution for their Work in part through the use and efforts of others. For these and/or other purposes and motivations, and without any expectation of additional consideration or compensation, the person associating CC0 with a Work (the "Affirmer"), to the extent that he or she is an owner of Copyright and Related Rights in the Work, voluntarily elects to apply CC0 to the Work and publicly distribute the Work under its terms, with knowledge of his or her Copyright and Related Rights in the Work and the meaning and intended legal effect of CC0 on</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
		<p>#9 org.springframework.boot:spring-boot-autoconfigure:2.2.0.BUILD-SNAPSHOT FOURTH-PARTY DEPENDENCY</p> <p>#10 org.springframework.boot:spring-boot-starter:2.2.0.BUILD-SNAPSHOT COMMON COPYRIGHT NOTICE Copyright © 2019 Pivotal Software, Inc.. All rights reserved. FOURTH-PARTY DEPENDENCY</p> <p>#11 org.springframework:spring-aop:5.2.0.BUILD-SNAPSHOT FOURTH-PARTY DEPENDENCY</p> <p>#12 org.springframework:spring-beans:5.2.0.BUILD-SNAPSHOT FOURTH-PARTY DEPENDENCY</p> <p>#13 org.springframework:spring-context:5.2.0.BUILD-SNAPSHOT FOURTH-PARTY DEPENDENCY</p> <p>#14 org.springframework:spring-core:5.2.0.BUILD-SNAPSHOT FOURTH-PARTY DEPENDENCY</p> <p>#15 org.springframework:spring-expression:5.2.0.BUILD-SNAPSHOT FOURTH-PARTY DEPENDENCY</p> <p>#16 org.springframework:spring-jcl:5.2.0.BUILD-SNAPSHOT COMMON COPYRIGHT NOTICE Copyright 2002-2019 the original author or authors.</p> <p>FOURTH-PARTY DEPENDENCY #17 org.yaml:snakeyaml:1.23 FOURTH-PARTY DEPENDENCY #17 COPYRIGHT NOTICES /** * 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</p>

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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
		<p>#13 org.springframework:spring-context:5.2.0.BUILD-SNAPSHOT FOURTH-PARTY DEPENDENCY</p> <p>#14 org.springframework:spring-core:5.2.0.BUILD-SNAPSHOT FOURTH-PARTY DEPENDENCY</p> <p>#15 org.springframework:spring-expression:5.2.0.BUILD-SNAPSHOT FOURTH-PARTY DEPENDENCY</p> <p>#16 org.springframework:spring-jcl:5.2.0.BUILD-SNAPSHOT FOURTH-PARTY DEPENDENCY #17 org.yaml:snakeyaml:1.23 COMMON LICENSE NOTICE</p> <p>APACHE 2.0 - See Appendix E</p> <p>FOURTH-PARTY DEPENDENCY</p> <p>#19 org.hdrhistogram:HdrHistogram:2.1.11 FOURTH-PARTY DEPENDENCY #19 COPYRIGHT NOTICE Copyright © 2016. All rights reserved. FOURTH-PARTY DEPENDENCY #19 LICENSE NOTICE CREATIVE COMMONS CORPORATION IS NOT A LAW FIRM AND DOES NOT PROVIDE LEGAL SERVICES. DISTRIBUTION OF THIS DOCUMENT DOES NOT CREATE AN ATTORNEY-CLIENT RELATIONSHIP. CREATIVE COMMONS PROVIDES THIS INFORMATION ON AN "AS-IS" BASIS. CREATIVE COMMONS MAKES NO WARRANTIES REGARDING THE USE OF THIS DOCUMENT OR THE INFORMATION OR WORKS PROVIDED HEREUNDER, AND DISCLAIMS LIABILITY FOR DAMAGES RESULTING FROM THE USE OF THIS DOCUMENT OR THE INFORMATION OR WORKS PROVIDED HEREUNDER. Statement of Purpose The laws of most jurisdictions throughout the world automatically confer exclusive Copyright and Related Rights (defined below) upon the creator and subsequent owner(s) (each and all, an "owner") of an original work of authorship and/or a database (each, a "Work"). Certain owners wish to permanently relinquish those rights to a Work for the purpose of contributing to a commons of creative, cultural and scientific works ("Commons") that the public can reliably and without fear of later claims of infringement build upon, modify, incorporate in other works, reuse and redistribute as freely as possible in any form whatsoever and for any purposes, including without limitation commercial purposes. These owners may contribute to the Commons to promote the ideal of a free culture and the further</p>

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		<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>

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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>

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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
Apache 2.0	spring-boot-starter-web 2.2.6.RELEASE	<p>org.springframework.boot:spring-boot-starter-web:jar:2.2.2.RELEASE Copyright © 2019 Pivotal Software, Inc. All Rights Reserved -----separator----- TOP-LEVEL LICENSE TEXT for org.springframework.boot:spring-boot-starter-web:jar:2.2.2.RELEASE:compile Apache License, Version 2.0 Apache License, Version 2.0 See Appendix E</p> <p>The list of 4th party dependencies: [FOURTH-PARTY DEPENDENCY #01] +- org.springframework:spring-web:jar:5.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #02] +- org.springframework.boot:spring-boot-starter:jar:2.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #03] \- org.yaml:snakeyaml:jar:1.25:runtime [FOURTH-PARTY DEPENDENCY #04] +- org.springframework.boot:spring-boot-starter-json:jar:2.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #05] +- com.fasterxml.jackson.datatype:jackson-datatype-jdk8:jar:2.10.1:compile [FOURTH-PARTY DEPENDENCY #06] \- com.fasterxml.jackson.module:jackson-module-parameter-names:jar:2.10.1:compile [FOURTH-PARTY DEPENDENCY #07] +- org.springframework.boot:spring-boot-starter-tomcat:jar:2.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #08] \- org.apache.tomcat.embed:tomcat-embed-core:jar:9.0.29:compile [FOURTH-PARTY DEPENDENCY #09] +- org.springframework.boot:spring-boot-starter-validation:jar:2.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #10] +- jakarta.validation:jakarta.validation-api:jar:2.0.1:compile [FOURTH-PARTY DEPENDENCY #11] \- org.hibernate.validator:hibernate-validator:jar:6.0.18.Final:compile [FOURTH-PARTY DEPENDENCY #12] +- org.jboss.logging:jboss-logging:jar:3.4.1.Final:compile [FOURTH-PARTY DEPENDENCY #13] \- com.fasterxml.classmate:jar:1.5.1:compile [FOURTH-PARTY DEPENDENCY #14] +- org.springframework:spring-web:jar:5.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #15] \- org.springframework:spring-beans:jar:5.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #16] \- org.springframework:spring-webmvc: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 #17] +- org.springframework:spring-aop:jar:5.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #18] \- org.springframework:spring-expression:jar:5.2.2.RELEASE:compile</p> <p>[FOURTH-PARTY DEPENDENCY #01] org.springframework:spring-web:jar:5.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #01] COPYRIGHT NOTICE Copyright 2002-2019 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 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 #02] org.springframework.boot:spring-boot-starter:jar:2.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #02] COPYRIGHT NOTICE Copyright © 2019 Pivotal Software, Inc. All Rights Reserved</p> <p>[FOURTH-PARTY DEPENDENCY #03] org.yaml:snakeyaml:jar:1.25:runtime [FOURTH-PARTY DEPENDENCY #03] COPYRIGHT NOTICE 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</p>

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

Provider	Component (s)	Licensing Information
		<p>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. Copyright (c) 2008 Google Inc. Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.</p> <p>[FOURTH-PARTY DEPENDENCY #04] org.springframework.boot:spring-boot-starter-json:jar:2.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #04] COPYRIGHT NOTICE Copyright © 2019 Pivotal Software, Inc. All Rights Reserved Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at 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>[FOURTH-PARTY DEPENDENCY #05] com.fasterxml.jackson.datatype:jackson-datatype-jdk8:jar:2.10.1:compile [FOURTH-PARTY DEPENDENCY #05] COPYRIGHT NOTICE 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 Copyright (c) 2007- Tatu Saloranta, tatu.saloranta@iki.fi This copy of Jackson JSON processor module is licensed</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

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

Provider	Component (s)	Licensing Information
		<p>express or implied. See the License for the specific language governing permissions and limitations under the License.</p> <p>[FOURTH-PARTY DEPENDENCY #12] org.jboss.logging:jboss-logging:jar:3.4.1.Final:compile [FOURTH-PARTY DEPENDENCY #12] COPYRIGHT NOTICE JBoss, Home of Professional Open Source. Copyright 2017 Red Hat, 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>[FOURTH-PARTY DEPENDENCY #13] com.fasterxml:classmate:jar:1.5.1:compile [FOURTH-PARTY DEPENDENCY #13] COPYRIGHT NOTICE Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi) Other developers who have contributed code are: Brian Langel This copy of Java ClassMate library is licensed under 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</p> <p>[FOURTH-PARTY DEPENDENCY #14] org.springframework:spring-web:jar:5.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #14] COPYRIGHT NOTICE Copyright 2016-2019 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>

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

Provider	Component (s)	Licensing Information
		<p>[FOURTH-PARTY DEPENDENCY #15] org.springframework:spring-beans:jar:5.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #15] COPYRIGHT NOTICES Copyright 2002-2019 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> <p>[FOURTH-PARTY DEPENDENCY #16] org.springframework:spring-webmvc:jar:5.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #16] COPYRIGHT NOTICE Copyright 2002-2019 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> <p>[FOURTH-PARTY DEPENDENCY #17] org.springframework:spring-aop:jar:5.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #17] COPYRIGHT NOTICE Copyright 2002-2019 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>

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

Provider	Component (s)	Licensing Information
		<p>[FOURTH-PARTY DEPENDENCY #18] \- org.springframework:spring-expression:jar:5.2.2.RELEASE:compile Copyright 2002-2019 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> <p>Common License Text for [FOURTH-PARTY DEPENDENCY #01] +- org.springframework:spring-web:jar:5.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #02] +- org.springframework.boot:spring-boot-starter:jar:2.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #03] \- org.yaml:snakeyaml:jar:1.25:runtime [FOURTH-PARTY DEPENDENCY #04] +- org.springframework.boot:spring-boot-starter-json:jar:2.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #05] +- com.fasterxml.jackson.datatype:jackson-datatype-jdk8:jar:2.10.1:compile [FOURTH-PARTY DEPENDENCY #06] \- com.fasterxml.jackson.module:jackson-module-parameter-names:jar:2.10.1:compile [FOURTH-PARTY DEPENDENCY #07] +- org.springframework.boot:spring-boot-starter-tomcat:jar:2.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #08] \- org.apache.tomcat.embed:tomcat-embed-core:jar:9.0.29:compile [FOURTH-PARTY DEPENDENCY #09] +- org.springframework.boot:spring-boot-starter-validation:jar:2.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #10] +- jakarta.validation:jakarta.validation-api:jar:2.0.1:compile [FOURTH-PARTY DEPENDENCY #11] \- org.hibernate.validator:hibernate-validator:jar:6.0.18.Final:compile [FOURTH-PARTY DEPENDENCY #12] +- org.jboss.logging:jboss-logging:jar:3.4.1.Final:compile [FOURTH-PARTY DEPENDENCY #13] \- com.fasterxml.classmate:jar:1.5.1:compile</p>

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

Provider	Component (s)	Licensing Information
		<p>[FOURTH-PARTY DEPENDENCY #14] +- org.springframework:spring-web:jar:5.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #15]</p> <p> \- org.springframework:spring-beans:jar:5.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #16]</p> <p> \- org.springframework:spring-webmvc:jar:5.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #17] +- org.springframework:spring-aop:jar:5.2.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #18]</p> <p> \- org.springframework:spring-expression:jar:5.2.2.RELEASE:compile</p> <p>Apache License, Version 2.0</p> <p>Apache License, Version 2.0 See Appendix E</p> <p>For Eclipse Public License - v 2.0, refer Appendix Y</p> <p>For GNU LESSER GENERAL PUBLIC LICENSE Version 2.1, refer Appendix T</p> <p>For GNU GENERAL PUBLIC LICENSE Version 2, refer Appendix B</p> <p>===== ===== EARLIER VERSION OF LICENSES AND COPYRIGHT NOTICES TEXT ===== =====</p> <p>===== The only known dependencies (direct & 4th party) that will be used at build/runtime based on "mvn dependency:tree" are +- org.springframework.boot:spring-boot-starter-web:jar:2.2.2.RELEASE:compile +- org.springframework.boot:spring-boot-starter:jar:2.2.2.RELEASE:compile +- jakarta.annotation:jakarta.annotation-api:jar:1.3.5:compile \- org.yaml:snakeyaml:jar:1.25:runtime +- org.springframework.boot:spring-boot-starter-json:jar:2.2.2.RELEASE:compile +- com.fasterxml.jackson.datatype:jackson-datatype-jdk8:jar:2.10.1:compile \- com.fasterxml.jackson.module:jackson-module-parameter-names:jar:2.10.1:compile +- org.springframework.boot:spring-boot-starter-tomcat:jar:2.2.2.RELEASE:compile \- org.apache.tomcat.embed:tomcat-embed-core:jar:9.0.29:compile +- org.springframework.boot:spring-boot-starter-validation:jar:2.2.2.RELEASE:compile +- jakarta.validation:jakarta.validation-api:jar:2.0.1:compile \- org.hibernate.validator:hibernate-validator:jar:6.0.18.Final:compile +-</p>

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

Provider	Component (s)	Licensing Information
		org.jboss.logging:jboss-logging:jar:3.4.1.Final:compile \- com.fasterxml:classmate:jar:1.5.1:compile +- org.springframework:spring-web:jar:5.2.2.RELEASE:compile \- org.springframework:spring-beans:jar:5.2.2.RELEASE:compile \- org.springframework:spring-webmvc:jar:5.2.2.RELEASE:compile +- org.springframework:spring-aop:jar:5.2.2.RELEASE:compile \- org.springframework:spring-expression:jar:5.2.2.RELEASE:compile Apache License, Version 2.0 See Appendix E For Eclipse Public License - v 2.0, refer Apendix Y

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

Provider	Component (s)	Licensing Information
Spring IO	spring-boot-starter-webflux 2.2.6.RELEASE	<p>org.springframework.boot:spring-boot-starter-webflux:jar:2.2.3.RELEASE:compile Copyright © 2020 Pivotal Software, Inc. All Rights Reserved</p> <p>Apache License, Version 2.0 See Appendix E</p> <p>The list of 4th party dependencies: [FOURTH-PARTY DEPENDENCY #01] +- org.springframework:spring-web:jar:5.2.3.RELEASE:compile [FOURTH-PARTY DEPENDENCY #02] +- org.springframework:spring-beans:jar:5.2.3.RELEASE:compile [FOURTH-PARTY DEPENDENCY #03] \- org.springframework:spring-core:jar:5.2.3.RELEASE:compile [FOURTH-PARTY DEPENDENCY #04] \- org.springframework:spring-jcl:jar:5.2.3.RELEASE:compile [FOURTH-PARTY DEPENDENCY #05] +- org.springframework:spring-webflux:jar:5.2.3.RELEASE:compile [FOURTH-PARTY DEPENDENCY #06] \- io.projectreactor:reactor-core:jar:3.3.2.RELEASE:compile [FOURTH-PARTY DEPENDENCY #07] \- org.reactivestreams:reactive-streams:jar:1.0.3:compile [FOURTH-PARTY DEPENDENCY #08] +- org.springframework.boot:spring-boot-starter:jar:2.2.3.RELEASE:compile [FOURTH-PARTY DEPENDENCY #09] +- org.springframework.boot:spring-boot-starter-json:jar:2.2.3.RELEASE:compile [FOURTH-PARTY DEPENDENCY #10] +- com.fasterxml.jackson.core:jackson-databind:jar:2.10.2:compile [FOURTH-PARTY DEPENDENCY #11] +- com.fasterxml.jackson.datatype:jackson-datatype-jdk8:jar:2.10.2:compile [FOURTH-PARTY DEPENDENCY #12] +- com.fasterxml.jackson.datatype:jackson-datatype-jsr310:jar:2.10.2:compile [FOURTH-PARTY DEPENDENCY #13] +- com.fasterxml.jackson.module:jackson-module-parameter-names:jar:2.10.2:compile [FOURTH-PARTY DEPENDENCY #14] +- org.springframework.boot:spring-boot-starter-reactor-netty:jar:2.2.3.RELEASE:compile [FOURTH-PARTY DEPENDENCY #15] +- org.glassfish.jakarta.el:jar:3.0.3:compile [FOURTH-PARTY DEPENDENCY #16] \- io.projectreactor.netty:reactor-netty:jar:0.9.3.RELEASE:compile [FOURTH-PARTY DEPENDENCY #17] +- io.netty:netty-codec-</p>

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

Provider	Component (s)	Licensing Information
		<p>http:jar:4.1.45.Final:compile [FOURTH-PARTY DEPENDENCY #18] +- io.netty:netty-common:jar:4.1.45.Final:compile [FOURTH-PARTY DEPENDENCY #19] +- io.netty:netty-buffer:jar:4.1.45.Final:compile [FOURTH-PARTY DEPENDENCY #20] +- io.netty:netty-transport:jar:4.1.45.Final:compile [FOURTH-PARTY DEPENDENCY #21] \- io.netty:netty-resolver:jar:4.1.45.Final:compile [FOURTH-PARTY DEPENDENCY #22] \- io.netty:netty-codec:jar:4.1.45.Final:compile [FOURTH-PARTY DEPENDENCY #23] +- io.netty:netty-codec-http2:jar:4.1.45.Final:compile [FOURTH-PARTY DEPENDENCY #24] +- io.netty:netty-handler:jar:4.1.45.Final:compile [FOURTH-PARTY DEPENDENCY #25] +- io.netty:netty-handler-proxy:jar:4.1.45.Final:compile [FOURTH-PARTY DEPENDENCY #26] \- io.netty:netty-codec-socks:jar:4.1.45.Final:compile [FOURTH-PARTY DEPENDENCY #27] \- io.netty:netty-transport-native-epoll:jar:linux-x86_64:4.1.45.Final:compile [FOURTH-PARTY DEPENDENCY #28] \- io.netty:netty-transport-native-unix-common:jar:4.1.45.Final:compile [FOURTH-PARTY DEPENDENCY #29] +- org.springframework.boot:spring-boot-starter-validation:jar:2.2.3.RELEASE:compile [FOURTH-PARTY DEPENDENCY #30] +- jakarta.validation:jakarta.validation-api:jar:2.0.2:compile [FOURTH-PARTY DEPENDENCY #31] \- org.hibernate.validator:hibernate-validator:jar:6.0.18.Final:compile [FOURTH-PARTY DEPENDENCY #32] \- org.synchronoss.cloud:nio-multipart-parser:jar:1.1.0:compile [FOURTH-PARTY DEPENDENCY #33] +- org.slf4j:slf4j-api:jar:1.7.30:compile [FOURTH-PARTY DEPENDENCY #34] \- org.synchronoss.cloud:nio-stream-storage:jar:1.1.3:compile [FOURTH-PARTY DEPENDENCY #01]org.springframework:spring-web:jar:5.2.3.RELEASE [FOURTH-PARTY DEPENDENCY #01]COPYRIGHT NOTICE Copyright 2002-2020 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/</p>

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		<p>#12]com.fasterxml.jackson.datatype:jackson-datatype-jsr310:jar:2.10.2(Apache 2.0) [FOURTH-PARTY DEPENDENCY</p> <p>#13]com.fasterxml.jackson.module:jackson-module-parameter-names:jar:2.10.2(Apache 2.0) [FOURTH-PARTY DEPENDENCY</p> <p>#14]org.springframework.boot:spring-boot-starter-reactor-netty:jar:2.2.3.RELEASE(Apache 2.0) [FOURTH-PARTY DEPENDENCY</p> <p>#16]io.projectreactor.netty:reactor-netty:jar:0.9.3.RELEASE(Apache 2.0) [FOURTH-PARTY DEPENDENCY #17]io.netty:netty-codec-http:jar:4.1.45.Final(Apache 2.0) [FOURTH-PARTY DEPENDENCY #18]io.netty:netty-common:jar:4.1.45.Final(Apache 2.0) [FOURTH-PARTY DEPENDENCY #19]io.netty:netty-buffer:jar:4.1.45.Final(Apache 2.0) [FOURTH-PARTY DEPENDENCY #20]io.netty:netty-transport:jar:4.1.45.Final(Apache 2.0) [FOURTH-PARTY DEPENDENCY #21]io.netty:netty-resolver:jar:4.1.45.Final(Apache 2.0) [FOURTH-PARTY DEPENDENCY #22]io.netty:netty-codec:jar:4.1.45.Final(Apache 2.0) [FOURTH-PARTY DEPENDENCY #23]io.netty:netty-codec-http2:jar:4.1.45.Final(Apache 2.0) [FOURTH-PARTY DEPENDENCY #24]io.netty:netty-handler:jar:4.1.45.Final(Apache 2.0) [FOURTH-PARTY DEPENDENCY #25]io.netty:netty-handler-proxy:jar:4.1.45.Final(Apache 2.0) [FOURTH-PARTY DEPENDENCY #26]io.netty:netty-codec-socks:jar:4.1.45.Final(Apache 2.0) [FOURTH-PARTY DEPENDENCY #27]io.netty:netty-transport-native-epoll:jar:linux-x86_64:4.1.45.Final(Apache 2.0) [FOURTH-PARTY DEPENDENCY #28]io.netty:netty-transport-native-unix-common:jar:4.1.45.Final(Apache 2.0) [FOURTH-PARTY DEPENDENCY #29]org.springframework.boot:spring-boot-starter-validation:jar:2.2.3.RELEASE(Apache 2.0) [FOURTH-PARTY DEPENDENCY #30]jakarta.validation:jakarta.validation-api:jar:2.0.2(Apache 2.0) [FOURTH-PARTY DEPENDENCY #31]org.hibernate.validator:hibernate-validator:jar:6.0.18.Final(Apache 2.0) [FOURTH-PARTY DEPENDENCY #32]org.synchronoss.cloud:nio-multipart-</p>

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		<p>parser:jar:1.1.0(Apache 2.0) [FOURTH-PARTY DEPENDENCY #34]org.synchronoss.cloud:nio-stream-storage:jar:1.1.3(Apache 2.0)</p> <p>Apache License, Version 2.0 See Appendix E</p> <p>Common License Notice for [FOURTH-PARTY DEPENDENCY #07]org.reactivestreams:reactive-streams:jar:1.0.3(CC0 1.0) 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 MAKES NO WARRANTIES REGARDING THE USE OF THIS DOCUMENT OR THE INFORMATION OR WORKS PROVIDED HEREUNDER, AND DISCLAIMS LIABILITY FOR DAMAGES RESULTING FROM THE USE OF THIS DOCUMENT OR THE INFORMATION OR WORKS PROVIDED HEREUNDER. Statement of Purpose The laws of most jurisdictions throughout the world automatically confer exclusive Copyright and Related Rights (defined below) upon the creator and subsequent owner(s) (each and all, an "owner") of an original work of authorship and/or a database (each, a "Work"). Certain owners wish to permanently relinquish those rights to a Work for the purpose of contributing to a commons of creative, cultural and scientific works ("Commons") that the public can reliably and without fear of later claims of infringement build upon, modify, incorporate in other works, reuse and redistribute as freely as possible in any form whatsoever and for any purposes, including without limitation commercial purposes. These owners may contribute to the Commons to promote the ideal of a free culture and the further production of creative, cultural and scientific works, or to gain reputation or greater distribution for their Work in part through the use and efforts of others. For these and/or other purposes and motivations, and without any expectation of additional consideration or compensation, the person associating CC0 with a Work (the "Affirmer"), to the extent that he or she is an owner of Copyright and Related Rights in the Work, voluntarily elects to</p>

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C

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 ===== File 2 of 38: config.GUESS

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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 13 of 38: ext/gd/libgd/webpimg.c
 =====

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 ===== File 16 of 38: ext/json/JSON_parser.c
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===== File 17 of 38: ext/mbstring/libmbfl/filters/cp932_table.h
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===== File 18 of 38: ext/mbstring/oniguruma/enc/ascii.c
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```
===== File 19 of 38: ext/mbstring/oniguruma/enc/gb18030.c
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 ===== File 21 of 38: ext/mbstring/ucgendat/ucgendat
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 ===== File 25 of 38: ext/standard/strnatcmp.c
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 ===== File 26 of 38: ext/xmlrpc/libxmlrpc/encodings.c
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 ===== File 27 of 38: ext/zip/lib/zip.h
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 ===== File 28 of 38: main/mergesort.c
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 ===== File 29 of 38: sapi/cli/php_http_parser.c
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===== File 30 of 38: sapi/fpm/fpm/fpm_log.c
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 ===== File 34 of 38: win32/flock.c
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 ===== File 35 of 38: win32/php_stdint.h
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===== File 38 of 38: Zend/zend_strtod.c
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*

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*

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* <http://jqueryui.com>

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* Includes Sizzle.js

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