Oracle Financial Services Analytical Applications Modern Risk and Finance

Licensing Information User Manual

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OFSAA MRF Licensing Information User Manual

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Document Control

Version Number	Revision Date	Change Log
1.0	May 2020	This is the first release of the OFSAA LIUM 8.1.
2.0	June 2020	Updated with licensing information for OFS ALM, OFS BSP, OFS IIA, OFS HM, OFS LRS, OFS MRMM, OFS PFT, Insurance Allocation Manager for Enterprise Profitability, OFS DIH
3.0	July 2020	Updated with licensing information for OFS CAPADQ, OFS AGILE RP EBA, OFSAA Reconciliation Framework and OFS LLFP
4.0	August 2020	Updated with licensing information for OIDF.
5.0	November 2020	Updated with licensing information for MMG.
6.0	February 2021	Updated with licensing information for OFS Regulatory Reporting for US Federal Reserve-Lombard Risk Integration Pack.
7.0	January 2022	Updated with licensing information for OFS AgileReporter Application Pack.

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1 Licensing Information

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2 Product Family – Platform

This section includes licensing information for:

- OFS Advanced Analytical Applications Infrastructure (OFS AAAI and Oracle Financial Services Analytical Application Infrastructure Extension Pack (OFS AAIEP)
- Oracle Financial Services Model Management and Governance

2.1 Oracle Financial Services Advanced Analytical Applications Infrastructure and Oracle Financial Services Analytical Application Infrastructure Extension Pack

Products	Licensing Description
Each Oracle Financial Services Advanced Analytical Applications Infrastructure (OFS AAAI) application pack includes the following products: • Analytical Applications Infrastructure • Big Data Processing • Enterprise Modeling • OFS Analytical Applications Infrastructure Extension Pack Each Oracle Financial Services Analytical Applications Infrastructure Extension Pack (OFS AAIEP) application pack includes the following products:	 Prerequisites Operating System Oracle Linux or Red Hat Enterprise Linux (x86-64) Java Runtime Environment Oracle Linux or Red Hat Enterprise Linux Oracle Database Server and Client OLAP Oracle Hyperion Essbase Web Application Server WebLogic WebSphere Apache Tomcat
Oracle Financial Services Analytical Applications Infrastructure Extension Pack	 Oracle Stack Libraries used in the application pack None Third-party software tools used in the application pack Apache 2.0 Apache Ant 1.10.7 Apache FOP 2.3 Apache POI 4.1.1 cglib 3.2.12 commons-beanutils 1.9.4 commons-codec 1.13 commons-collections 4.4 commons-dbcp 2.7.0 commons-fileupload 1.4 commons-lang 3.8.1

Products	Licensing Description
Products	- commons-logging 1.2-0548efb - commons-pool 2.7.0 - commons-vfs 2.4.1 - FreeMarker 2.3.29 - Guava 28.2 - Hadoop 3.1.1-1 - Hive 3.1.1 - jackson-databind 2.11.1 - JJWT 0.11.1 - joda-time 2.10.1 - Kafka 2.3.1 - Log4J 1.2.17-16 - Log4J 2.12.1 - mousetrap 1.6.3 - POI 4.1.1 - Scala 2.13.0 - Spark 2.4.3 - sqoop 1.4.7 - The OWASP Zed Attack Proxy (ZAP) 2.8.0 - Xerces2 Java 2.12.0 - xmlbeans 3.1.0 - CKEditor 4.13.0
	 JUnit 5.4.2 Jason Hunter & Brett McLaughlin JDOM 2.0.6 MIT Font Awesome 5.11.2 jQuery 3.5.1 raphael 2.3.0 SIL
	 SIL Font Awesome 5.11.2 2-Clause BSD stax2-api 4.2 3-Clause BSD Enterprise Security API (ESAPI) 2.2.0.0 OWASP Java Encoder Project 1.2.2

2.2 Oracle Financial Services Model Management and Governance

Products	Licensing Description
Each Oracle Financial Services Model Management and Governance (OFS MMG) application includes the following products:	 Prerequisites Operating System Oracle Linux / Red Hat Enterprise Linux (x86-64) Oracle Solaris(SPARC) Shell Java Runtime Environment Oracle Linux / Red Hat Enterprise Linux Oracle Database Server and Client OLAP Oracle Hyperion Essbase Oracle OLAP Web Server/ Web Application Server WebSphere Apache Tomcat Oracle Labs Data Studio 20.2.2 Oracle Stack Libraries used in the application pack None Third party software tools used in Oracle Labs Data Studio ACE Code Editor for the Web 1.4.8 Commons IO 2.6 Commons Lang 3.10 D3 5.15.0 JavaScript Extension Toolkit (JET) 9.0.0 Kubernetes & OpenShift Java Client 4.9.0 Liquibase 3.6.3 Log4J 2.13.3 STOMP.js 5.4.2 Simple Logging Facade for Java (SLF4J) 1.7.30 SockJS client 1.4.0 Spring Retry 1.2.5 Spring Retry 1.2.5 Spring Retry 1.2.5 Springfox 2.9.2 Thrift 0.13.0

Products	Licensing Description
	o Zeppelin 0.8.2
	o Bluebird 3.7.2
	o commonmark-java 0.15.1
	o dagre 0.8.5
	o fetch 3.4.0
	o fuse.js 3.4.6
	o guava 29.0-jre
	o jQuery 3.5.1
	o jackson-databind 2.11.1
	jackson-dataformat-yaml 2.10.1
	jackson-datatype-jsr310 2.10.1
	jackson-module-afterburner 2.10.1
	jackson-module-parameter-names 2.10.1
	o lodash version 4.17.15
	o mapbox-gl-js 1.10
	o pip 19.2.3
	o py4j 0.10.9
	o swagger-ui 3.25.4
	o three.js 0.112.1
	See <u>Third Party Tools used in Oracle Labs Data Studio</u> for information of third party tools used in Oracle Labs Data Studio and the respective licensing information.

Product Family - Risk and Finance 3

This section includes licensing information for the Oracle Financial Services Risk and Finance related products.

Topics:

- Oracle Financial Services Asset Liability Management Application Pack
- Oracle Financial Services Balance Sheet Planning Pack
- Oracle Financial Services Insurance Accounting Analyzer Pack
- Oracle Financial Services Hedge Management and IFRS Valuations
- Oracle Financial Services Liquidity Risk Solution Pack
- Oracle Financial Services Market Risk Measurement and Management Application Pack
- Oracle Financial Services Profitability Applications Pack
- Oracle Insurance Allocation Manager for Enterprise Profitability Applications Pack
- Oracle Financial Services Capital Adequacy Application Pack
- Oracle Financial Services Loan Loss Forecasting and Provisioning

Oracle Financial Services Asset Liability Management 3.1 **Application Pack**

Products	Licensing Description		
Each Oracle Financial Services Asset and Liability Management (OFSALM) application pack includes the following products: • Oracle Financial Services	 Prerequisites Operating System Oracle Linux or Red Hat Enterprise Linux (x86-64) 		
Analytical Applications Infrastructure (OFS AAI)	— Oracle Solaris(SPARC)— Shell		
 Oracle Financial Services Asset Liability Management (OFS ALM) 	 Java Runtime Environment Oracle Linux or Red Hat Enterprise Linux Oracle Solaris 		
Oracle Financial Services Asset Liability Management Analytics (OFS ALMBI)	 Oracle Database Server and Client OLAP Oracle Hyperion Essbase Oracle OLAP Web Server or Web Application Server WebLogic WebSphere Apache Tomcat 		
	 Third party software tools used in the application pack JExcel 3.6.1 		

Oracle Financial Services Balance Sheet Planning Pack 3.2

Products	Licensing Description
Each Oracle Financial Services Balance Sheet Planning (OFS BSP) application pack includes the following product: • Oracle Financial Services Balance Sheet Planning (OFS BSP)	 Prerequisites Operating System Oracle Linux or Red Hat Enterprise Linux (x86-64) Oracle Solaris(SPARC) Java Runtime Environment Oracle Linux or Red Hat Enterprise Linux Oracle Solaris Oracle Database Server and Client Web Application Server WebLogic WebSphere Apache Tomcat Third party software tools used in the application pack
	○ JExcel 3.6.1

Oracle Financial Services Insurance Accounting 3.3 **Analyzer Pack**

Products	Licensing Description
Each Oracle Financial Services Insurance Accounting Analyzer (OFS IIA) Pack application pack includes the following product: • Insurance Accounting Analyzer	 Prerequisites Operating System Java Runtime Environment Oracle Database Server and Client OLAP Web Server or Web Application Server Desktop Requirements Directory Services Third party software tools used in the application pack OBIEE or OAS jsPDF- AutoTable - (3.2.5) jExcel (1.5.1) jsPDF (1.5.3)

Products	Licensing Description
	o MathJax (3.0.0)

Oracle Financial Services Hedge Management and IFRS Valuations 3.1

Products	Licensing Description
Each Oracle Financial Services Hedge Management and IFRS Valuations application pack includes the following products: • Oracle Financial Services Hedge Management and IFRS Valuations	 Prerequisites Operating System Java Runtime Environment Oracle Database Server and Client OLAP Web Server or Web Application Server Desktop Requirements Directory Services Third party software tools used in the Application Pack None

Oracle Financial Services Liquidity Risk Solution Pack **3.2**

Products	Licensing Description
Each Oracle Financial Services Liquidity Risk Solution (OFS LRS) application pack includes the following products: Oracle Financial Services Liquidity Risk Measurement and Management (OFS LRMM) Oracle Financial Services Liquidity Risk Regulatory Calculations for US Federal	 Prerequisites Operating System Java Runtime Environment Oracle Database Server and Client OLAP Web Server or Web Application Server Desktop Requirements
 Reserve (OFS LRRCUSFR) Oracle Financial Services Liquidity Risk Regulatory Calculations for Reserve Bank of India (OFS LRRCRBI) 	 Directory Services Third party software tools used in the application pack None
 Oracle Financial Services Liquidity Risk Regulatory Calculations for European Banking Authority (OFS LRRCEBA) 	
 Oracle Financial Services Liquidity Risk Regulatory Calculations for Bank of Thailand (OFS LRRCBOT) 	
 Oracle Financial Services Liquidity Risk Regulatory Calculations for Bank Negara Malaysia (OFS LRRCBNM) 	
 Oracle Financial Services Liquidity Risk Regulatory Calculations for Monetary Authority of Singapore (OFS LRRCMAS) 	
 Oracle Financial Services Liquidity Risk Regulatory Calculations for Hong Kong Monetary Authority (OFS LRRCHKMA) 	
 Oracle Financial Services Deposit Insurance Calculations for Liquidity Risk Management (OFS DICLRM) 	

Oracle Financial Services Market Risk Measurement 3.3 and Management Application Pack

Products	Licensing Description
Each Oracle Financial Services Market Risk Measurement and Management (OFS MRMM) applications pack includes the following product:	 Prerequisites Operating System Java Runtime Environment Oracle Database Server and Client OLAP

Products	Licensing Description
Oracle Financial Services Market Risk	 Web Server or Web Application Server
Measurement and Management	 Desktop Requirements
	 Directory Services
	 Third party software tools used in the application pack
	o CAS 4.1.0

Oracle Financial Services Profitability Applications 3.4 **Pack**

Products	Licensing Description
Each Oracle Financial Services Profitability (OFS PFT) application pack includes the following products:	 Prerequisites Operating System Oracle Linux or Red Hat Enterprise
 Oracle Financial Services Analytical Applications Infrastructure (OFS AAI) 	Linux (x86-64) — Oracle Solaris(SPARC)
 Oracle Financial Services Funds Transfer Pricing (OFS FTP) 	— Shell O Java Runtime Environment
 Oracle Financial Services Profitability Management (OFS PFT) 	 Oracle Linux or Red Hat Enterprise Linux
 Oracle Financial Services Institutional Performance Analytics (OFS IPA) 	— Oracle Solariso Oracle Database Server and Client
 Oracle Financial Services Retail Performance Analytics (OFS RPA) 	OLAPOracle Hyperion Essbase
 Oracle Financial Services Enterprise Financial Performance Analytics (OFS EFPA) 	 Oracle OLAP Web Application Server WebLogic WebSphere Apache Tomcat
	Third party software tools used in the application pack
	o D3 (d3.js) 5.4.0
	Rgraph 4.67jQuery 3.5.1

Oracle Insurance Allocation Manager for Enterprise 3.5 **Profitability Application Pack**

Products	Licensing Description
Each Oracle Insurance Allocation Manager for Enterprise Profitability application pack includes the following product: • Oracle Insurance Allocation Manager for Enterprise Profitability	 Prerequisites Operating System Oracle Linux or Red Hat Enterprise Linux (x86-64) Oracle Solaris(SPARC) Shell Java Runtime Environment Oracle Linux or Red Hat Enterprise Linux Oracle Solaris Oracle Database Server and Client OLAP Oracle Hyperion Essbase Oracle OLAP Web Application Server WebSphere Apache Tomcat Third party software tools used in the application pack None

Oracle Financial Services Capital Adequacy Application 3.6 **Pack**

Products	Licensing Description
Each Oracle Financial Services Capital Adequacy (OFS CAPADQ) application pack includes the following products: • Oracle Financial Services Basel Regulatory Capital Basic • Oracle Financial Services Basel Regulatory Capital Internal Ratings Based Approach • Oracle Financial Services Basel Regulatory Capital Analytics	 Prerequisites Operating System Java Runtime Environment Oracle Database Server and Client OLAP Web Server or Web Application Server Desktop Requirements Directory Services Third party software tools used in the Application Pack
	o Apache Log4j 2.12.1

Products	Licensing Description
	o Jackson Databind 2.11.1

Oracle Financial Services Loan Loss Forecasting and 3.7 **Provisioning**

Products	Licensing Description
Each Oracle Financial Services Loan Loss Forecasting and Provisioning (OFS LLFP) application includes the following product: • Oracle Financial Services Loan Loss Forecasting and Provisioning	 Prerequisites Operating System Java Runtime Environment Oracle Database Server and Client OLAP Web Server/ Web Application Server Desktop Requirements Directory Services Third party software tools used in the Application Pack None

4 Product Family - Data Management

This section includes licensing information for the Oracle Financial Services Data Management related products.

Topics:

- Oracle Financial Services Data Foundation Pack
- Oracle Financial Services Balance Computation Engine Application
- Oracle Financial Services Data Integration Hub Pack
- Oracle Financial Services Analytical Applications Reconciliation Framework Pack

4.1 Oracle Financial Services Data Foundation Pack

Products	Licensing Description
Each Oracle Financial Services Data Foundation (OFSDF) application pack includes the following products: Oracle Financial Services Analytical Applications Infrastructure (OFS AAI) Oracle Financial Services Data Foundation (OFSDF)	 Prerequisites Operating System Oracle Linux or Red Hat Enterprise Linux (x86-64) Oracle Solaris (SPARC) Java Runtime Environment Oracle Linux or Red Hat Enterprise Linux Oracle Solaris Oracle Database Server and Client Web Application Server WebLogic WebSphere Apache Tomcat Third-party software tools used in the application pack commons-lang-2.6.jar jackson-databind- 2.11.1

4.2 Oracle Financial Services Balance Computation Engine Application

Products	Licensing Description
Oracle Financial Services Balance Computation Engine	 Prerequisites Operating System Java Runtime Environment Oracle Database Server and Client OLAP Web Server or Web Application Server Desktop Requirements Directory Services Third-party software tools used in the application
	None

4.3 Oracle Financial Services Data Integration Hub Pack

Products	Licensing Description
 Each Oracle Financial Services Data Integration (OFS DIH) application pack includes the following products: Oracle Financial Services Data Integration Oracle Financial Services Oracle Fusion Accounting Hub Interface Oracle Financial Services Oracle FLEXCUBE Interface 	 Prerequisites Operating System Java Runtime Environment Oracle Database Server and Client Oracle Data Integrator Web Server or Web Application Server Desktop Requirements
 Oracle Financial Services Oracle Data Relationship Management Interface 	 Directory Services Third party software tools used in the application pack
Oracle Financial Services Oracle Banking Platform Interface	 Apache (Log4J (2.12.1) Jackson-databind (2.11.1) Apache POI (4.1.1) Jersey (2.2.5) oracle.ucm.fa_client_11.1.1.jar

Oracle Financial Services Analytical Applications Reconciliation Framework Pack 4.4

Products	Licensing Description
Each Oracle Financial Services Analytical Applications Reconciliation Framework Pack includes the following application: • Oracle Financial Services Analytical Applications Reconciliation Framework	 Prerequisites Operating System Java Runtime Environment Oracle Database Server and Client OLAP Web Server/ Web Application Server Desktop Requirements Directory Services Third party software tools used in the application pack Log4J (2.12.1) XWork 2.3.16.3 Commons-lang3 (3.1) Commons-beanutils-1.8.3)

5 Product Family - Regulatory Reporting

This section includes licensing information for the Oracle Financial Services Regulatory Reporting related products.

Topics:

- OFS Regulatory Reporting for European Banking Authority
- OFS Regulatory Reporting for US Federal Reserve-Lombard Risk Integration Pack
- OFS AgileReporter Application Pack

5.1 OFS Regulatory Reporting for European Banking Authority

Products	Licensing Description
Each Oracle Financial Services Regulatory Reporting for European Banking Authority (OFS AGILE RP EBA) application pack includes the following product: • Oracle Financial Services AgileREPORTER Application	 Prerequisites Operating System Java Runtime Environment Oracle Financial Services Data Foundation 8.1.0.0.0 Application Pack Oracle Financial Services AgileREPORTER

5.2 OFS Regulatory Reporting for US Federal Reserve-Lombard Risk Integration Pack

Products	Licensing Description	
Oracle Financial Services Regulatory Reporting for US Federal Reserve-Lombard Risk Integration Pack (OFS REG USFED) application pack includes the following product:	 Prerequisites Operating System Java Runtime Environment Oracle Financial Services Data Foundation 	
 Oracle Financial Services Regulatory Reporting for US 	8.1.0.0.0 Application Pack o Lombard AgileREPORTER	

Products	Licensing Description
Federal Reserve-Lombard Risk Integration	 Oracle Database Server and Client OLAP Web Server or Web Application Server Desktop Requirements Directory Services
	 Third party software tools used in the application pack Lombard AgileREPORTER Apache Log4J (2.12.1) Jackson-databind (2.11.1) Apache POI (4.1.1)

5.3 OFS AgileReporter Application Pack

Products	Licensing Description		
Each Oracle Financial Services AgileREPORTER (OFS AgileREPORTER)) application pack includes the following product: • Vermeg Reporting Portal	 Prerequisites Operating System Java Runtime Environment Oracle Financial Services Data Foundation 8.1.0.0.0 Application Pack Oracle Database Server and Client OLAP Web Server or Web Application Server Desktop Requirements Directory Services Third party software tools used in the application pack Vermeg Reporting Portal 		

6 Product Family - Insurance Data Foundation

This section includes licensing information for the Oracle Insurance Data Foundation product.

Topics:

Oracle Insurance Data Foundation Pack

6.1 Oracle Insurance Data Foundation Pack

Products	Licensing Description
Each Oracle Insurance Data Foundation (OIDF) application pack includes the following products: • Oracle Financial Services Analytical Applications Infrastructure (OFS AAI) • Oracle Insurance Data Foundation (OIDF)	 Prerequisites Operating System Oracle Linux or Red Hat Enterprise Linux (x86-64) Oracle Solaris (SPARC) Java Runtime Environment Oracle Linux or Red Hat Enterprise Linux Oracle Solaris Oracle Database Server and Client Web Application Server WebLogic WebSphere Apache Tomcat Third-party software tools used in the application pack commons-lang-2.6.jar jackson-databind- 2.11.1

7 Third-Party Notices

The open source software's used in the the OFSAA Modern Risk and Finance application packs are listed in the following table.

7.1 Commercial Software

Commercial software used in the OFSAA Modern Risk and Finance application packs are identified in the following table with the following license notes, restrictions, and disclaimers.

Commercial software products or components distributed in the OFSAA Modern Risk and Finance application packs are identified in the following table along with the applicable licensing information.

Provider	Component(s)	Functionality	Licensing Information
Numerix LLC	CAS 4.1	Third party library of market risk models and methods	For a copy of the license, see Numerix LLC

7.2 Open Source Software

The required notices for open source software products or components distributed in the the OFSAA Modern Risk and Finance application packs are identified in the following table 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 open source software. For the full text of each license, see Third-Party Licenses.

Provider	Component(s)	Functionality	Licensing Information
Apache Software Foundation	Apache Ant Apache FOP Apache POI cglib Commons BeanUtils Commons Codec Commons Collections Commons DBCP Commons FileUpload Commons IO Commons Lang Commons Logging Commons VFS FreeMarker Guava Hadoop Hive	Scripting Platform Platform Persistence Tier and Install	Copyright © 2019 The Apache Software Foundation. This product includes software developed by The Apache Software Foundation (http://www.apache.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. For a copy of the license, see Apache License, Version 2.0.

Provider	Component(s)	Functionality	Licensing Information
	jackson-databind JJWT joda-time Kafka Log4J Mousetrap POI Scala Spark sqoop The OWASP Zed Attack Proxy (ZAP) Xerces2 Java XMLBeans XWork		
Cloudera	Cloudera Standard—Apache Hadoop CDH 5.13.x and 6.2.x Cloudera Manager Cloudera Hive Connectors	Contains the core elements of Hadoop that provide reliable, scalable distributed data processing of large data sets, as well as other enterprise-oriented components. These elements provide security, high availability, and integration with hardware and other software.	Copyright © 2019 The Apache Software Foundation. Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 . For a copy of the license, see Apache License , Version 2.0.
Mike Bostock	d3.js	JavaScript library for visualizing data with HTML, SVG, and CSS.	d3.js is licensed under the New BSD license. For a copy of the license, see the License text.
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Provider	Component(s)	Functionality	Licensing Information
			http://www.apache.org/licenses/LICENSE-2.0. For a copy of the license, see Apache License, Version 2.0.
Eclipse Foundation, Inc.	Eclipselink (Eclipse Distribution License - v 1.0) JDT Compiler JUnit	Integrated development environment, used to develop applications.	Eclipse Distribution License, Version 1.0. Copyright © 2007, Eclipse Foundation, Inc. and its licensors. For a copy of the license, see Eclipse, Eclipse Public License
Frederico Knabben	CKEditor	Controls the generation of executables and other non-source files of a program from the program's source files.	For a copy of the license, see Apache License - CKEditor
Jason Hunter and Brett McLaughlin	JDOM	Java-based solution to access, manipulate, and generate XML data from Java code.	Copyright © 2000-2004 Jason Hunter & Brett McLaughlin. For a copy of the license, see Jason Hunter and Brett McLaughlin
JDOM	Jaxen-core.jar Jaxen-jdom.jar	Open source XPath library written in Java.	JDOM is available under the Apache License, Version 2.0. Copyright © 1999-2012 The Apache Software Foundation Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 . For a copy of the license, see Apache License, Version 2.0 .
MetaStuff Ltd.	Dom4j	Open source library to work with XML, XPath and XSLT on the Java platform using the Java Collections Framework and with full support for DOM, SAX and JAXP.	Copyright © 2001-2005 MetaStuff, Ltd. All Rights Reserved. For a copy of the license, see MetaStuff, Ltd.

Provider	Component(s)	Functionality	Licensing Information
fontawesome	Font Awesome	SVG, font, and CSS toolkit.	For a copy of the license, see <u>FontAwesome</u>
JS Foundation and other contributors	jQuery	JavaScript Library	jQuery is licensed under The MIT license. For a copy of the license, see the License text.
Paul Hodel	jExcel	jQuery plugin for embed a excel- like spreadsheet in your apps or website.	jExcel is licensed under The MIT license. For a copy of the license, see the License text.
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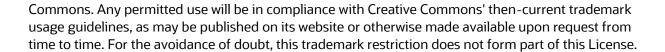
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xom

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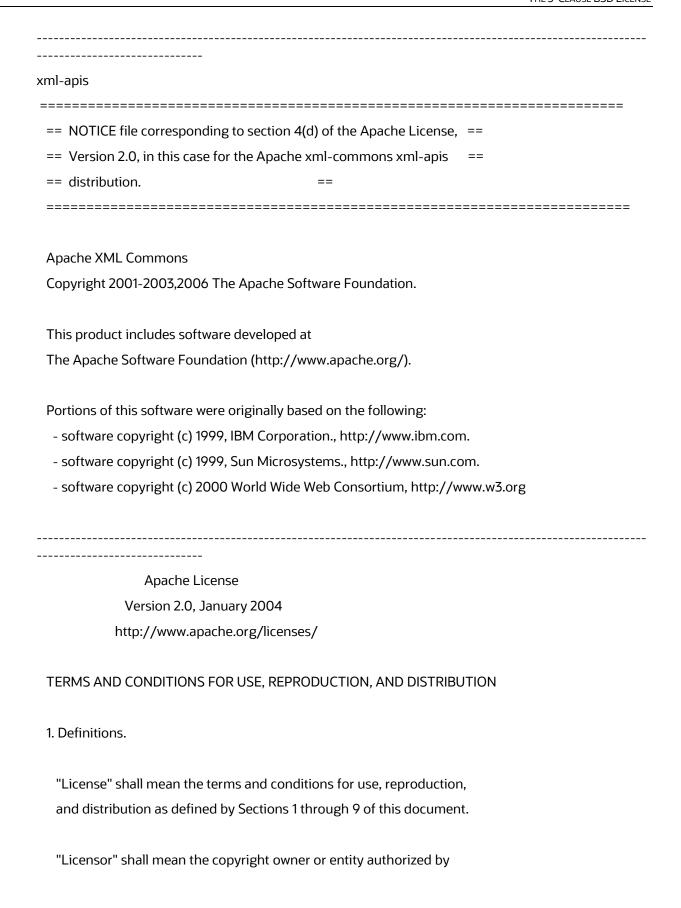
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8.14 Ryan Niemeyer, Technology: knockout-postbox

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• <u>dagre</u>	• <u>Py4j</u>
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• guava	Spring Boot
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Oracle JET

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- * jQuery JavaScript Library v3.5.1
- * http://jquery.com/

*

- * Includes Sizzle.js
- * http://sizzlejs.com/

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8.15.6 Kubernetes & OpenShift Java Client

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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.

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8.15.9 STOMP.js

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8.15.11 SockJS client

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SockJS client - dependencies

debug v. 3.2.5

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querystringify

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faye-websocket

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http-parser-js

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tests/iojs/test-http-parser-durability.js

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-querystringify

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-requires-port

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8.15.12 Spring Boot

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aspectjweaver-1.9.5.jar

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javassist

Javassist, a Java-bytecode translator toolkit.

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jul-to-slf4j

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- javaee_5.xsd
- javaee_web_services_1_2.xsd
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- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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may be obtained from:

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- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
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- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd

- web-fragment_3_1.xsd
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8.15.13 Spring Retry

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8.15.14 Springfox

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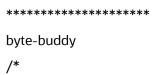
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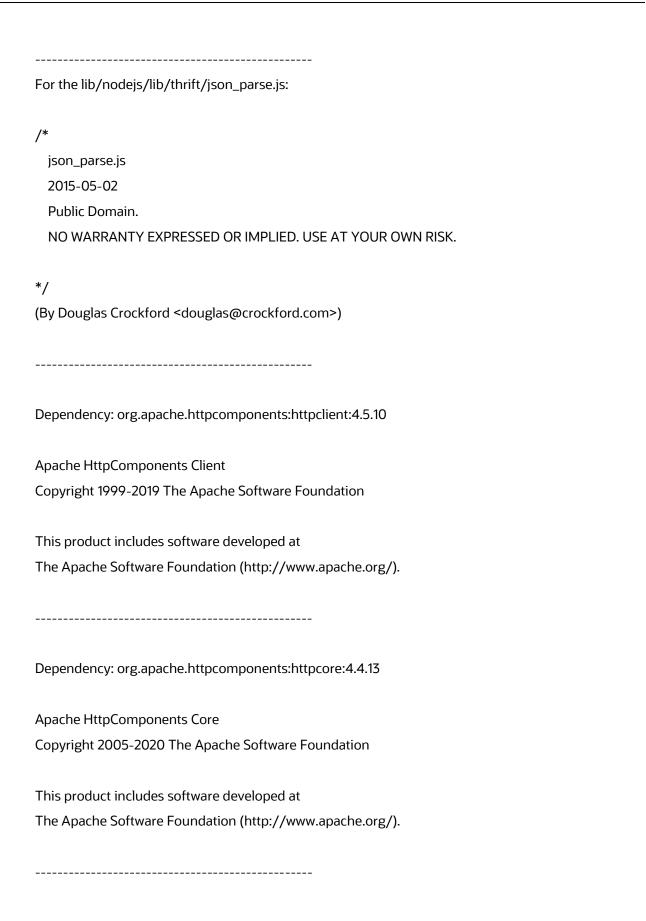
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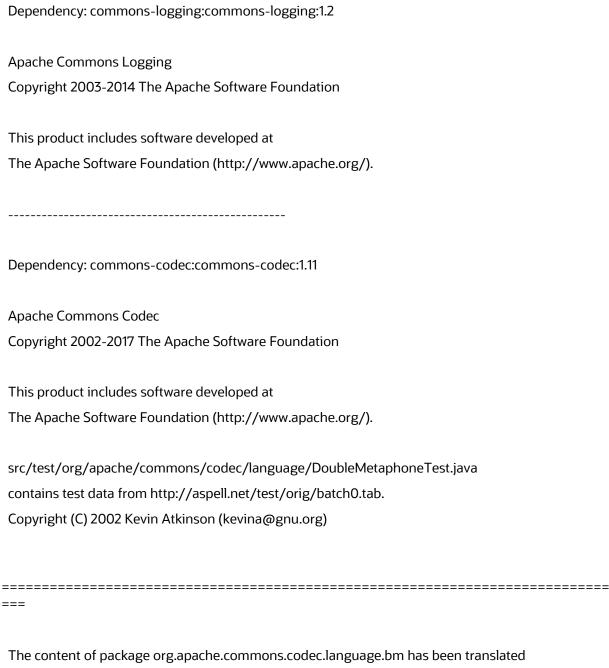
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8.15.16 Zeppelin

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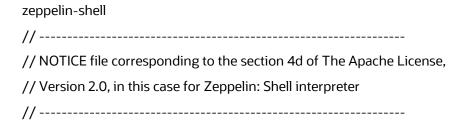
The Apache Software Foundation (http://www.apache.org/).

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zeppelin-spark-dependencies	
//	_

```
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This product includes software, OSGi resource locator bundle - used by various API providers that rely on META-INF/services mechanism to locate providers., developed by

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protobuf-java
protobuf-java-util
// Protocol Buffers - Google's data interchange format
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sisu-inject-plexus

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8.15.17 bluebird

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8.15.18 commonmark-java

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8.15.19 dagre

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8.15.20 fetch

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8.15.21 fuse.js

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8.15.22 guava

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Dependency: @mapbox/geojson-types: 1.0.2

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Dependency: @mapbox/jsonlint-lines-primitives: 2.0.2

License: none

License URL: [2] - https://github.com/mapbox/jsonlint

Dependency: @mapbox/mapbox-gl-supported: 1.5.0

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Dependency: earcut: 2.2.2

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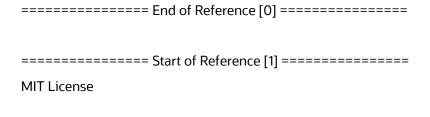
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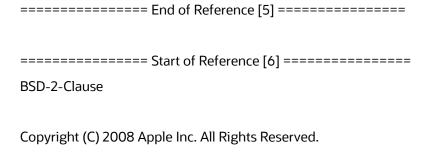
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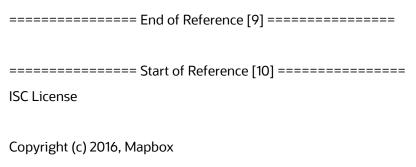
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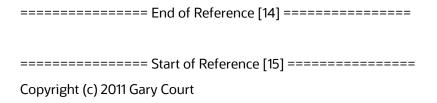
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8.15.32 py4j

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8.15.33 swagger-ui

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swagger-io dependencies: runtime-corejs2

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xml

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base64-js:1.2.0

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classnames:2.2.6

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core-js:2.5.1

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css.escape:1.5.1

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dompurify:2.0.7

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js-yaml

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prop-types

react

react-dom

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react-immutable-proptypes

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react-inspector

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react-motion

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redux-immutable

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serialize-error

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url-parse

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xml-but-prettier

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8.15.34 three.js

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