

Oracle® Retail

Licensing Information User Manual



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ORACLE®

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Preface

The *Oracle Retail Licensing Information User Manual* provides licensing information for all third-party open-source applications

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- Product version and program/module name
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- Detailed step-by-step instructions to re-create
- Exact error message received
- Screen shots of each step you take

Oracle Help Center (docs.oracle.com)

Oracle Retail Product documentation is available on the following website <https://docs.oracle.com/en/industries/retail/html>

Comments and Suggestions

Please give us feedback about Oracle Retail Help and Guides. You can send an e-mail to: retail-doc_us@oracle.com

Oracle Retail Cloud Services and Business Agility

Oracle Retail (Product Name) Cloud Service is hosted in the Oracle Cloud with the security features inherent to Oracle technology and a robust data center classification, providing significant uptime. The Oracle Cloud team is responsible for installing, monitoring, patching, and upgrading retail software.

Included in the service is continuous technical support, access to software feature enhancements, hardware upgrades, and disaster recovery. The Cloud Service model helps to free customer IT resources from the need to perform these tasks, giving retailers greater business agility to respond to changing technologies and to perform more value-added tasks focused on business processes and innovation.

Oracle Retail Software Cloud Service is acquired exclusively through a subscription service (SaaS) model. This shifts funding from a capital investment in software to an operational expense. Subscription-based pricing for retail applications offers flexibility and cost effectiveness.

1

Introduction

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Commons Licensing Information

This chapter provides the following licensing information for Commons.

- Description of products.
- Prerequisite products.
- Entitled products and restricted use licenses.

Prerequisite products, entitled products, and restricted use licenses do not apply to Oracle Retail Cloud products.

Legal Licensing Information

The following table lists the legal licensing information for Store Operations.

Retail Solution Unit	Product	Licensing Information
Commons	Process Orchestration and Monitoring	<p>The Process Orchestration and Monitoring (POM) application provides comprehensive batch scheduling and monitoring capabilities for Oracle Retail SaaS Applications. POM's key features are:</p> <ul style="list-style-type: none">• Support for Cyclical (or Hourly)/Ad-hoc (or Standalone)/End of Day (or Nightly) scheduling modes• Dashboard monitoring facility for managing errored jobs, holding, releasing, skipping jobs, and so on• Configurable Scheduler for time based Invocation of Hourly, Ad-Hoc or Nightly cycles• External (customer) invocation of Hourly, Ad-Hoc or Nightly cycles• Configurable Schedule for tailoring batch to specific customer needs such as enabling/disabling certain jobs• Hooks to integrate with external (customer) systems for two-way dependency management and job status updates• Configurable notifications with ability to send email notifications <p>Entitled Products and Restricted Use Licenses</p> <p>NA</p>

Retail Solution Unit	Product	Licensing Information
Commons	Retail Home	<p>Product Editions and Permitted Features</p> <p>Oracle Retail Home is a single access point, to simplify our users' interactions with the data and applications that are most relevant to their roles, and to better empower them to anticipate informed actions, and to inspire engagement.</p> <p>Based on a robust and flexible portal framework, Retail Home for business users is intended first to provide timely and role-specific high-level insights, and secondly to enable selectively drilling into relevant applications for more details.</p> <p>Finally, Retail Home for administrative users enables monitoring of the health of your Oracle Retail cloud services.</p> <p>Entitled Products and Restricted Use Licenses</p> <p>NA</p>

Open Source or Other Separately Licensed Software

Required notices for open source or other separately licensed software products or components distributed in the Retail Global Business Unit 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.

Retail Product	Component	Licensing Information
Process Orchestration and Monitoring	JavaScript Extension Toolkit (JET) 15.1.0	JET
Retail Home	Commons CSV 1.10.0	Apache 2.0
	JavaScript Extension Toolkit (JET) 15.1.3	JET

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Store Operations Licensing Information

This chapter provides the following licensing information for Store Operations.

- Description of products.
- Prerequisite products.
- Entitled products and restricted use licenses.

Prerequisite products, entitled products, and restricted use licenses do not apply to Oracle Retail Cloud products.

Legal Licensing Information

The following table lists the legal licensing information for Store Operations.

Retail Solution Unit	Product	Licensing Information
Store Operations	EFTLink	<p>Product Editions and Permitted Features</p> <p>Oracle Retail EFTLink provides the payment foundation for Xstore Point of Service and is a middleware product that enables Oracle to remove Xstore Point of Service from the costly and frequently changing Payment Application Data Security Standard (PA-DSS).</p> <p>As retailers continue to investigate the most cost effective ways in which they can become compliant with PCI standards, EFTLink provides a tested and mature approach that is already deployed in over ten countries. The solution has been adopted as the strategic approach for Xstore Point of Service and enables the rapid support of payment solutions in new markets by working with payment providers who are local and/or offer an extensive international network.</p> <p>EFTLink uses an industry-standard interface to the point of service and then translates the messages to the relevant format provided by the payment provider, enabling the POS to be outside of the payment scope.</p> <p>Entitled Products and Restricted Use Licenses</p> <p>NA</p>

Retail Solution Unit	Product	Licensing Information
Store Operations	Xstore Office and Xstore Office Cloud Service	<p>Product Editions and Permitted Features</p> <p>Oracle Retail Xstore Office is a central web-based management console that provides for the effortless management of the data and configurations that empower your associates. The user interface within Oracle Retail Xstore Office provides streamlined functionality that guides users through configuration changes, data changes, and deployments. Granular security access can create a custom experience for users of all access levels. Multiple support tools and alerts enable IT leaders to take a proactive approach to managing multiple installations.</p> <p>Entitled Products and Restricted Use Licenses</p> <p>NA</p>
Store Operations	Xstore Point of Service	<p>Product Editions and Permitted Features</p> <p>Oracle Retail Xstore Point of Service is a point-of-sale application that provides the capabilities to carry out day-to-day transactions and conduct daily store activities. Tasks such as scanning items, applying price adjustments, tendering, and printing receipts as well as processing returns and web orders can be performed. Store operations including opening the store, managing registers and tills, and closing the store can be handled through Oracle Retail Xstore Point of Service. As part of Oracle Retail Xstore Point of Service, these release notes include information about Xstore Point of Service Mobile and Xenvironment.</p> <p>Entitled Products and Restricted Use Licenses</p> <p>NA</p>
Store Operations	Enterprise Inventory Cloud Service	<p>Product Editions and Permitted Features</p> <p>Oracle Retail Enterprise Inventory Cloud Service (EICS) serves as the services engine to streamline and integrate back-end processes.</p> <p>Entitled Products and Restricted Use Licenses</p> <p>NA</p>
Store Operations	Store Operations Cloud Service	<p>Product Editions and Permitted Features</p> <p>Oracle Retail Store Operations Cloud Service (SOCS) delivers a modern intuitive user interface to help drive associate efficiencies and workflows.</p> <p>Entitled Products and Restricted Use Licenses</p> <p>NA</p>

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Retail Product	Component	Licensing Information
EFTLink	Ant 1.10.13	Ant
	Ant Installer beta 0.8-1	Ant Installer
	Eclipse Parsson 1.1.1	Eclipse Parsson
	GSON 2.10.1	Apache 2.0
	Jakarta Servlet 4.0.4	Jakarta Servlet
	Jakarta SOAP Implementation (SAAJ) 3.0.0	Jakarta SOAP Implementation (SAAJ)
	Jakarta XML Binding API (JAXB) 4.0.0	JAXB
	Jetty 9.4.51.v20230217	Jetty
	Log4j-API 2.20.0	Log4j-API
	log4j-core 2.20.0	log4j-core
Xstore Office Cloud Service	Commons Configuration 2.9.0	Commons Configuration
	Commons FileUpload 1.5	Commons FileUpload
	Log4J App Server 2.20.0	Log4J App Server
	log4j-1.2-api 2.20.0	log4j-1.2-api
	Log4j-API 2.20.0	Log4j-API
	log4j-core 2.20.0	log4j-core
	log4j-jcl 2.20.0	log4j-jcl
	log4j-jul 2.20.0	log4j-jul
	log4j-slf4j-impl 2.20.0	log4j-slf4j-impl
	Spring Framework 5.3.27	Spring Framework
Xstore Office	ZXing 3.5.1	ZXing
	Ant 1.10.13	Ant
	ASM 9.5	ASM
	Commons Configuration 2.9.0	Commons Configuration
	Commons CSV 1.10.0	Commons CSV
	Commons FileUpload 1.5	Commons FileUpload
	dom4j 2.1.4	dom4j
	GSON 2.10.1	Apache 2.0
	Hibernate Validator 6.2.5.Final	Hibernate Validator
	hibernate-core 5.6.15.Final	hibernate-core
	ICU4J 73.1	ICU4J
	jackson-databind 2.15.1	Jackson-Databind

Retail Product	Component	Licensing Information
	Jetty 9.4.51.v20230217	Jetty
	JNA 5.13.0	JNA
	JsonPath 2.8.0	JsonPath
	Log4J App Server 2.20.0	Log4J App Server
	log4j-1.2-api 2.20.0	log4j-1.2-api
	Log4j-API 2.20.0	Log4j-API
	log4j-core 2.20.0	log4j-core
	log4j-jcl 2.20.0	log4j-jcl
	log4j-jul 2.20.0	log4j-jul
	log4j-slf4j-impl 2.20.0	log4j-slf4j-impl
	PDFBox 2.0.28	PDFBox
	SnakeYAML 2	SnakeYAML
	Spring Framework 5.3.27	Spring Framework
	Tomcat 9.0.75	Tomcat
	XStream 1.4.20	XStream
	ZXing 3.5.1	ZXing
Enterprise Inventory Cloud Service	JavaScript Extension Toolkit (JET) 15.1.0	JET
	jcl-over-slf4j 2.0.10	jcl-over-slf4j
	Logback-classic 1.3.14	Logback-classic
	POI-ooxml 5.2.5	POI-OOXML
Store Operations Cloud Service	Cordova Device Plugin 2.1.0	Cordova Device Plugin
	Cordova Plugin File 8.0.0	Cordova Plugin File
	Cordova Plugin for Barcode Scanner 8.1.0	Cordova Plugin for Barcode Scanner
	JavaScript Extension Toolkit (JET) 15.1.0	JET

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Merchandising Licensing Information

This chapter provides the following licensing information for Merchandising.

- Description of products.
- Prerequisite products.
- Entitled products and restricted use licenses.

Prerequisite products, entitled products, and restricted use licenses do not apply to Oracle Retail Cloud products.

Legal Licensing Information

The following table lists the legal licensing information for Merchandise Operations Management.

Retail Solution Unit	Product	Licensing Information
Merchandising	Retail Integration Bus Cloud Service	Product Editions and Permitted Features The Oracle Retail Integration Cloud Service (RICS) is comprised of the Oracle Retail Integration Suite of products that are cloud deployable for a customer's integration to Oracle Retail applications and the customer's on-premises or hybrid configurations of third-party applications. Entitled Products and Restricted Use Licenses NA

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Retail Product	Component	Licensing Information
Retail Integration Cloud Service	Ant 1.10.13	Ant
	Commons IO f74d5bd	Apache 2.0
	Commons Lang eaff7e0	Apache 2.0
	Commons Logging 1.2-0a2317f	Apache 2.0

Retail Product	Component	Licensing Information
Supplier Evaluation	Groovy 4.0.0	Groovy
	log4j-core 2.20.0	Log4j Core
	Simple Logging Facade for Java (SLF4J) 2.0.7	SLF4J
	Echo3 3.1.0	MPL v1.1
	echo3extras 3.1.0	MPL v1.1
	FamFamFam Silk Icons 1.3	FamFamFam Silk Icons
	JavaScript Extension Toolkit (JET) 14.1.0	JET
	tango-icon-theme 0.8.90	Public Domain
	TinyMCE 6.7.0	MIT

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Supply Chain Licensing Information

This chapter provides the following licensing information for Supply Chain.

- Description of products.
- Prerequisite products.
- Entitled products and restricted use licenses.

Prerequisite products, entitled products, and restricted use licenses do not apply to Oracle Retail Cloud products.

Legal Licensing Information

The following table lists the legal licensing information for Store Operations.

Retail Solution Unit	Product	Licensing Information
Supply Chain	Brand Compliance Management Cloud Service	<p>Product Editions and Permitted Features</p> <p>Oracle Retail Brand Compliance Management Cloud Service is an application designed to meet all aspects of sourcing, developing, and protecting retailer brands. The application provides solutions for product development, compliance, quality, and traceability. It is designed specifically for retail, food service, and manufacturing businesses to develop and protect their brands, manage their suppliers, and ensure full end-to-end product lifecycle management.</p> <p>Oracle Retail Brand Compliance Management Cloud Service is composed of the following modules:</p> <ul style="list-style-type: none"> • Library enables the issue, receipt, and acceptance of policies, guidelines, and key working documents. Project supports the development of project briefs, plans, and workflow management. • Product supports the development of products and production specifications. • Supplier enables the identification, selection, and approval of suppliers. <p>Entitled Products and Restricted Use Licenses</p> <p>NA</p>

Retail Solution Unit	Product	Licensing Information
Supply Chain	Supplier Evaluation Cloud Service	<p>Product Editions and Permitted Features</p> <p>Oracle Retail Supplier Evaluation Cloud Service is a collaborative cloud service for the on-boarding and evaluation of Merchandising suppliers, enabling the assessment and governance of ethical, environmental, safety, and quality performance. It manages the selection of suppliers against Environmental, Social, and Governance (ESG), brand standards, and governance policies, incorporating supplier self-certification survey and assessment, audit and action management, vendor performance, and incident alert notifications.</p> <p>Oracle Retail Supplier Evaluation Cloud Service is composed of the following modules:</p> <ul style="list-style-type: none"> • Library enables the issue, receipt, and acceptance of policies, guidelines, and key working documents. • Process supports the development of process briefs, plans, and workflow management. • Supplier enables the identification, selection, and approval of suppliers. • Reports provides a reporting tool for reporting across the system, using standard templates and custom reports. <p>Entitled Products and Restricted Use Licenses</p> <p>NA</p>

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Retail Product	Component	Licensing Information
Brand Compliance Management Cloud Service	Echo3 3.1.0	Mozilla Public License Version 1.1
	echo3extras 3.1.0	Mozilla Public License Version 1.1
	FamFamFam Silk Icons 1.3	FAMFAMFAM Silk Icons
	JavaScript Extension Toolkit (JET) 14.1.0	JET
	Tango Icon Theme 0.8.90	Public Domain

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Omnichannel Commerce Licensing Information

This chapter provides the following licensing information for Store Operations.

- Description of products.
- Prerequisite products.
- Entitled products and restricted use licenses.

Prerequisite products, entitled products, and restricted use licenses do not apply to Oracle Retail Cloud products.

Legal Licensing Information

The following table lists the legal licensing information for Omnichannel Commerce.

Retail Solution Unit	Product	Licensing Information
Omnichannel Commerce	Customer Engagement Cloud Service	<p>Product Editions and Permitted Features</p> <p>Oracle Retail Customer Engagement Cloud Services (ORCE) is a comprehensive, web-based, customer relationship management application designed for today's fast-paced retail environment, and consists of the following services:</p> <ul style="list-style-type: none">• Customer Management and Segmentation Foundation Cloud Service: A required module that maintains and serves all customer-related information. In addition to managing core customer data, the service includes support for strategies that are based on in-store clienteling and gift registry.• Campaign and Deal Management Cloud Service: Delivers promotional offers to transaction systems, drives execution, and performs analysis. It has a more operational focus and is considered complementary to solutions like Responsys or Eloqua, which are dedicated to orchestrating marketing communication campaigns. The service supports offer management, couponing, list targeting, and performance analysis.• Loyalty and Awards Cloud Service: A leading points-based loyalty platform. It can be quickly configured to support program concepts from simple punch-card frequency programs to highly sophisticated programs involving a variety of earning opportunities, as well as recognition levels like gold, silver, and bronze. In addition to the management of points, the platform manages awards in the form of stored value or discounts on merchandise.• Gift Cards Cloud Service: A highly evolved stored value solution. It features a sophisticated back-office user experience and supports global operations with cross-currency management and cross-channel delivery and fulfillment. <p>Entitled Products and Restricted Use Licenses</p> <p>NA</p>

Retail Solution Unit	Product	Licensing Information
	Order Administration Cloud Service	<p>Product Editions and Permitted Features</p> <p>Order Administration Cloud Service offers a fully integrated suite of modules for managing all aspects of direct commerce transactions including order management, fulfillment, and customer service. The key benefits are:</p> <ul style="list-style-type: none"> • You can fulfill and service orders from multiple channels. • Workflow options can be used to streamline order handling and provide maximum productivity. • Both online and batch authorization is supported. • You can manage promotions for effectiveness. • Return and exchange processing supports return in store. • Customer appeasement capabilities are provided before and after shipment. <p>Entitled Products and Restricted Use Licenses</p> <p>NA</p>
	Order Broker Cloud Service	<p>Product Editions and Permitted Features</p> <p>Oracle Retail Order Broker Cloud Service includes the following modules:</p> <ul style="list-style-type: none"> • Routing Engine: Distributed order broker that determines inventory availability across the enterprise, and uses advanced business rules to select locations that can fulfill orders. • Supplier Direct Fulfillment: Web-based vendor portal enabling vendors to share purchase orders and shipping information to simplify drop shipment • Store Connect: Web portal that enables store associates to process and fulfill omnichannel orders. <p>Entitled Products and Restricted Use Licenses</p> <p>NA</p>
	Order Orchestration Cloud Service	<p>Product Editions and Permitted Features</p> <p>Oracle Retail Order Orchestration Cloud Service includes the following modules:</p> <ul style="list-style-type: none"> • Routing Engine: Distributed order broker that determines inventory availability across the enterprise, and uses advanced business rules to select locations that can fulfill orders. • Supplier Direct Fulfillment: Web-based vendor portal enabling vendors to share purchase orders and shipping information to simplify drop shipment • Store Connect: Web portal that enables store associates to process and fulfill omnichannel orders. <p>Entitled Products and Restricted Use Licenses</p> <p>NA</p>

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Retail Product	Component	Licensing Information
Customer Engagement Cloud Service	Beanshell 2.0b6	Apache 2.0
	Commons Beanutils 1.9.4	Commons Beanutils
	Commons Collections 4.4	Commons Collections
	Guava 32.1.1	Guava
	jackson-databind 2.15.2	jackson-databind
	jackson-jaxrs-json-provider 2.15.0	Apache 2.0
	Jakarta Restful Web Services JAX-RS API 3.1.0	Jakarta Restful Web Services JAX-RS API
	slf4j-jdk14 2.0.7	slf4j-jdk14
Order Administration Cloud Service	Commons Beansutils 1.9.4	Apache 2.0
	Commons FileUpload 1.5	Apache 2.0
	Commons Lang 3.13.0	Apache 2.0
	Commons Text 1.10.0	Apache 2.0
	FOP 2.9	FOP
	FreeMarker 2.3.32	Apache 2.0
	Google Web Toolkit SDK 2.10.0	Apache 2.0
	GSON 2.10.1	Apache 2.0
	Hibernate-core 5.6.7.Final	Hibernate Core
	HttpComponents HttpClient 5.2.1	HttpComponents HttpClient
	Jackson-databind 2.15.2	Jackson Databind
	Jackson-jaxrs-json-provider 2.15.2	Jackson-jaxrs-json-provider
	Jakarta XML Binding RI (JAXB) 2.3.8	Jakarta XML Binding RI (JAXB)
	JavaScript Extension Toolkit (JET) 14.1.3	JET
	Log4j App Server 2.20.0	Log4j App Server
	Log4j-api 2.20.0	Log4J-API
	Log4j-core 2.20.0	Log4J-Core
	Log4j-jcl 2.20.0	Log4J-jcl
	Log4j-jul 2.20.0	Log4J-jul

Retail Product	Component	Licensing Information
Order Orchestration Cloud Service	Log4J-web 2.20.0	Log4J-web
	Quartz Job Scheduler 2.3.2	Quartz Job Scheduler
	Reflections 0.10.2	Reflections
	SLF4J-api 1.7.36	SLF4J-api
	SLF4J-jdk14 1.7.36	SLF4J-jdk14
	Swagger-annotations 2.2.15	Apache 2.0
	Weld SE (Core) 3.1.9.Final	Weld SE (Core)
	Xerces 2 Java 2.12.2	Xerces 2 Java
	XStream 1.4.20	XStream
	CDI-API 2.0.2	Apache 2.0
	Classmate 1.5.1	Apache 2.0
	Commons IO 2.13.0	Apache 2.0
	Commons Logging 1.2-0a2317f	Apache 2.0
	Commons Text 1.10.0	Apache 2.0
	DOM4J 2.1.4	DOM4J
	Freemarker 2.3.32	Apache 2.0
	Google Web Toolkit SDK 2.8.2	Apache 2.0
	GSON 2.10.1	Apache 2.0
	Hibernate ORM 5.4.33.Final, 5.6.15.Final	GNU LGPL Version 2.1
	Hibernate Validator 6.2.5.Final	Apache 2.0
	Jackson-jaxrs-base 2.15.2	Jackson-jaxrs-base
	Jackson-jaxrs-json-provider 2.15.2	Jackson-jaxrs-json-provider
	Jakarta XML Binding RI (JAXB) 2.3.8	Jakarta XML Binding RI (JAXB)
	JavaScript Extension Toolkit (JET) 14.1.0	JET
	Jaxen 2.0.0	Jaxen
	Mimepull 1.10.1	Mimepull
	OpenCSV 5.7.1	Apache 2.0
	Quartz Job Scheduler 2.3.2	Apache 2.0
	SLF4J-api 2.0.7	SLF4J
	SmartGWT 4.1-20200908	GNU LGPL Version 3
	StringTemplate 4.3.4	BSD License
	Swagger-annotations 2.2.8	Apache 2.0
	Weld SE (Core) 3.1.9.Final	Weld SE (Core)

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Appendix A

The appendix contains the following licenses:

Licenses: A-EI

The appendix contains the following licenses:

ANT

===== NOTICE =====

Apache Ant

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Cache API

JSR-000107 JCACHE 2.9 Public Review - Updated Specification

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Specification: JSR-000107 Java(tm) Temporary Caching API Specification ("Specification")

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8.3. Responsibility for Claims

As between the Initial Developer and Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute an admission of liability.

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This Terracotta Public License (TPL) is similar to, and contains samples from, the Mozilla Public License (MPL) and the Common Development and Distribution License (CDDL). However, this TPL contains terms which differ from those contained in the MPL and CDDL.

10.4. Distributing Source Code Form that is Incompatible With Secondary Licenses

If You choose to distribute Source Code Form that is Incompatible With Secondary Licenses under the terms of this version of the License, the notice described in Exhibit B of this License must be attached.

Exhibit A – Terracotta Public License.

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Exhibit B – “Incompatible With Secondary Licenses” Notice

This Source Code Form is “Incompatible With Secondary Licenses”, as defined by the Terracotta Public License, v. 2.0.

TERRACOTTA PUBLIC LICENSE (VERSION 1.0)

1. Definitions

1.1. “Contributor” means each individual or entity that creates or contributes to the creation of Modifications.

1.2. “Contributor Version” means the combination of the Original Code, prior Modifications used by a Contributor, and the Modifications made by that particular Contributor.

1.3. “Covered Code” means the Original Code or Modifications or the combination of the Original Code and Modifications, in each case including portions thereof.

1.4. “Electronic Distribution Mechanism” means a mechanism generally accepted in the software development community for the electronic transfer of data.

1.5. “Executable” means Covered Code in any form other than Source Code.

1.6. “Initial Developer” means the individual or entity identified as the Initial Developer in the Source Code notice required by Exhibit A.

1.7. “Larger Work” means a work which combines Covered Code or portions thereof with code not governed by the terms of this License.

1.8. “License” means this document.

1.8.1. “Licensable” means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. “Modifications” means any addition to or deletion from the substance or structure of either the Original Code or any previous Modifications. When Covered Code is released as a series of files, a Modification is:

a. Any addition to or deletion from the contents of a file containing Original Code or previous Modifications.

b. Any new file that contains any part of the Original Code or previous Modifications.

c. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. “Original Code” means Source Code and Executable form of computer software code which is described in the Source Code notice required by Exhibit A as Original Code, and which, at the time of its release under this License is not already Covered Code governed by this License.

1.10.1. “Patent Claims” means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.11. "Source Code" means the preferred form of the Covered Code for making modifications to it, including all modules it contains, plus any associated interface definition files, scripts used to control compilation and installation of an Executable, or source code differential comparisons against either the Original Code or another well known, available Covered Code of the Contributor's choice. The Source Code can be in a compressed or archival form, provided the appropriate decompression or de-archiving software is widely available for no charge.

1.12. "You" (or "Your") means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License or a future version of this License issued under Section 6.1. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

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2.2. Contributor Grant

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3. Distribution Obligations

3.1. Application of License

ANY COVERED CODE THAT YOU DISTRIBUTE OR OTHERWISE MAKE AVAILABLE IS GOVERNED BY THE TERMS OF THIS LICENSE, INCLUDING WITHOUT LIMITATION SECTION 2.2. THE SOURCE CODE VERSION OF COVERED CODE MAY BE DISTRIBUTED ONLY UNDER THE TERMS OF THIS LICENSE OR A FUTURE VERSION OF THIS LICENSE RELEASED UNDER SECTION 6.1, AND YOU MUST INCLUDE A COPY OF THIS LICENSE WITH EVERY COPY OF THE SOURCE CODE YOU DISTRIBUTE OR OTHERWISE MAKE AVAILABLE. YOU MAY NOT OFFER OR IMPOSE ANY TERMS ON ANY SOURCE CODE VERSION THAT ALTERS OR RESTRICTS THE APPLICABLE VERSION OF THIS LICENSE OR THE RECIPIENTS' RIGHTS HEREUNDER. HOWEVER, YOU MAY INCLUDE AN ADDITIONAL DOCUMENT OFFERING THE ADDITIONAL RIGHTS DESCRIBED IN SECTION 3.5.

3.2. Availability of Source Code

ANY MODIFICATION WHICH YOU CREATE OR TO WHICH YOU CONTRIBUTE MUST BE MADE AVAILABLE IN SOURCE CODE FORM UNDER THE TERMS OF THIS LICENSE EITHER ON THE SAME MEDIA AS AN EXECUTABLE VERSION OR VIA AN ACCEPTED ELECTRONIC DISTRIBUTION MECHANISM TO ANYONE TO WHOM YOU MADE AN EXECUTABLE VERSION AVAILABLE; AND IF MADE AVAILABLE VIA ELECTRONIC DISTRIBUTION MECHANISM, MUST REMAIN AVAILABLE FOR AT LEAST TWELVE (12) MONTHS AFTER THE DATE IT INITIALLY BECAME AVAILABLE, OR AT LEAST SIX (6) MONTHS AFTER A SUBSEQUENT VERSION OF THAT PARTICULAR MODIFICATION HAS BEEN MADE AVAILABLE TO SUCH RECIPIENTS. YOU ARE RESPONSIBLE FOR ENSURING THAT THE SOURCE CODE VERSION REMAINS AVAILABLE EVEN IF THE ELECTRONIC DISTRIBUTION MECHANISM IS MAINTAINED BY A THIRD PARTY.

3.3. Description of Modifications

YOU MUST CAUSE ALL COVERED CODE TO WHICH YOU CONTRIBUTE TO CONTAIN A FILE DOCUMENTING THE CHANGES YOU MADE TO CREATE THAT COVERED CODE AND THE DATE OF ANY CHANGE. YOU MUST INCLUDE A PROMINENT STATEMENT THAT THE MODIFICATION IS DERIVED, DIRECTLY OR INDIRECTLY, FROM ORIGINAL CODE PROVIDED BY THE INITIAL DEVELOPER AND INCLUDING THE NAME OF THE INITIAL DEVELOPER IN (A) THE SOURCE CODE, AND (B) IN ANY NOTICE IN AN EXECUTABLE VERSION OR RELATED DOCUMENTATION IN WHICH YOU DESCRIBE THE ORIGIN OR OWNERSHIP OF THE COVERED CODE.

3.4. Intellectual Property Matters

(a) Third Party Claims

IF CONTRIBUTOR HAS KNOWLEDGE THAT A LICENSE UNDER A THIRD PARTY'S INTELLECTUAL PROPERTY RIGHTS IS REQUIRED TO EXERCISE THE RIGHTS GRANTED BY SUCH CONTRIBUTOR UNDER SECTIONS 2.1 OR 2.2, CONTRIBUTOR MUST INCLUDE A TEXT FILE WITH THE SOURCE CODE DISTRIBUTION TITLED "LEGAL" WHICH DESCRIBES THE CLAIM AND THE PARTY MAKING THE CLAIM IN SUFFICIENT DETAIL THAT A RECIPIENT WILL KNOW WHOM TO CONTACT. IF CONTRIBUTOR OBTAINS SUCH KNOWLEDGE AFTER THE MODIFICATION IS MADE AVAILABLE AS DESCRIBED IN SECTION 3.2, CONTRIBUTOR SHALL PROMPTLY MODIFY THE LEGAL FILE IN ALL COPIES CONTRIBUTOR MAKES AVAILABLE THEREAFTER AND SHALL TAKE OTHER STEPS (SUCH AS NOTIFYING APPROPRIATE MAILING LISTS OR NEWSGROUPS) REASONABLY CALCULATED TO INFORM THOSE WHO RECEIVED THE COVERED CODE THAT NEW KNOWLEDGE HAS BEEN OBTAINED.

(b) Contributor APIs

IF CONTRIBUTOR'S MODIFICATIONS INCLUDE AN APPLICATION PROGRAMMING INTERFACE AND CONTRIBUTOR HAS KNOWLEDGE OF PATENT LICENSES WHICH ARE REASONABLY NECESSARY TO IMPLEMENT THAT API, CONTRIBUTOR MUST ALSO INCLUDE THIS INFORMATION IN THE LEGAL FILE.

(c) Representations.

CONTRIBUTOR REPRESENTS THAT, EXCEPT AS DISCLOSED PURSUANT TO SECTION 3.4 (A) ABOVE, CONTRIBUTOR BELIEVES THAT CONTRIBUTOR'S MODIFICATIONS ARE CONTRIBUTOR'S ORIGINAL CREATION(S) AND/OR CONTRIBUTOR HAS SUFFICIENT RIGHTS TO GRANT THE RIGHTS CONVEYED BY THIS LICENSE.

3.5. Required Notices

YOU MUST DUPLICATE THE NOTICE IN EXHIBIT A IN EACH FILE OF THE SOURCE CODE. IF IT IS NOT POSSIBLE TO PUT SUCH NOTICE IN A PARTICULAR SOURCE CODE FILE DUE TO ITS STRUCTURE, THEN YOU MUST INCLUDE SUCH NOTICE IN A LOCATION (SUCH AS A RELEVANT DIRECTORY) WHERE A USER WOULD BE LIKELY TO LOOK FOR SUCH A NOTICE. IF YOU

CREATED ONE OR MORE MODIFICATION(S) YOU MAY ADD YOUR NAME AS A CONTRIBUTOR TO THE NOTICE DESCRIBED IN EXHIBIT A. YOU MUST ALSO DUPLICATE THIS LICENSE IN ANY DOCUMENTATION FOR THE SOURCE CODE WHERE YOU DESCRIBE RECIPIENTS' RIGHTS OR OWNERSHIP RIGHTS RELATING TO COVERED CODE. YOU MAY CHOOSE TO OFFER, AND TO CHARGE A FEE FOR, WARRANTY, SUPPORT, INDEMNITY OR LIABILITY OBLIGATIONS TO ONE OR MORE RECIPIENTS OF COVERED CODE. HOWEVER, YOU MAY DO SO ONLY ON YOUR OWN BEHALF, AND NOT ON BEHALF OF THE INITIAL DEVELOPER OR ANY CONTRIBUTOR. YOU MUST MAKE IT ABSOLUTELY CLEAR THAN ANY SUCH WARRANTY, SUPPORT, INDEMNITY OR LIABILITY OBLIGATION IS OFFERED BY YOU ALONE, AND YOU HEREBY AGREE TO INDEMNIFY THE INITIAL DEVELOPER AND EVERY CONTRIBUTOR FOR ANY LIABILITY INCURRED BY THE INITIAL DEVELOPER OR SUCH CONTRIBUTOR AS A RESULT OF WARRANTY, SUPPORT, INDEMNITY OR LIABILITY TERMS YOU OFFER.

3.6. Distribution of Executable Versions

YOU MAY DISTRIBUTE OR OTHERWISE MAKE AVAILABLE COVERED CODE IN EXECUTABLE FORM ONLY IF THE REQUIREMENTS OF SECTIONS 3.1, 3.2, 3.3, 3.4 AND 3.5 HAVE BEEN MET FOR THAT COVERED CODE, AND IF YOU INCLUDE A NOTICE STATING THAT THE SOURCE CODE VERSION OF THE COVERED CODE IS AVAILABLE UNDER THE TERMS OF THIS LICENSE, INCLUDING A DESCRIPTION OF HOW AND WHERE YOU HAVE FULFILLED THE OBLIGATIONS OF SECTION 3.2. THE NOTICE MUST BE CONSPICUOUSLY INCLUDED IN ANY NOTICE IN AN EXECUTABLE VERSION, RELATED DOCUMENTATION OR COLLATERAL IN WHICH YOU DESCRIBE RECIPIENTS' RIGHTS RELATING TO THE COVERED CODE. YOU MAY DISTRIBUTE OR OTHERWISE MAKE AVAILABLE THE EXECUTABLE VERSION OF COVERED CODE OR OWNERSHIP RIGHTS UNDER A LICENSE OF YOUR CHOICE, WHICH MAY CONTAIN TERMS DIFFERENT FROM THIS LICENSE, PROVIDED THAT YOU ARE IN COMPLIANCE WITH THE TERMS OF THIS LICENSE AND THAT THE LICENSE FOR THE EXECUTABLE VERSION DOES NOT ATTEMPT TO LIMIT OR ALTER THE RECIPIENT'S RIGHTS IN THE SOURCE CODE VERSION FROM THE RIGHTS SET FORTH IN THIS LICENSE. IF YOU DISTRIBUTE OR OTHERWISE MAKE AVAILABLE THE EXECUTABLE VERSION UNDER A DIFFERENT LICENSE YOU MUST MAKE IT ABSOLUTELY CLEAR THAT ANY TERMS WHICH DIFFER FROM THIS LICENSE ARE OFFERED BY YOU ALONE, NOT BY THE INITIAL DEVELOPER OR ANY CONTRIBUTOR. YOU HEREBY AGREE TO INDEMNIFY THE INITIAL DEVELOPER AND EVERY CONTRIBUTOR FOR ANY LIABILITY INCURRED BY THE INITIAL DEVELOPER OR SUCH CONTRIBUTOR AS A RESULT OF ANY SUCH TERMS YOU OFFER.

3.7. Larger Works

YOU MAY CREATE A LARGER WORK BY COMBINING COVERED CODE WITH OTHER CODE NOT GOVERNED BY THE TERMS OF THIS LICENSE AND DISTRIBUTE OR OTHERWISE MAKE AVAILABLE THE LARGER WORK AS A SINGLE PRODUCT. IN SUCH A CASE, YOU MUST MAKE SURE THE REQUIREMENTS OF THIS LICENSE ARE FULFILLED FOR THE COVERED CODE.

4. Inability to Comply Due to Statute or Regulation

IF IT IS IMPOSSIBLE FOR YOU TO COMPLY WITH ANY OF THE TERMS OF THIS LICENSE WITH RESPECT TO SOME OR ALL OF THE COVERED CODE DUE TO STATUTE, JUDICIAL ORDER, OR REGULATION THEN YOU MUST: (A) COMPLY WITH

THE TERMS OF THIS LICENSE TO THE MAXIMUM EXTENT POSSIBLE; AND (B) DESCRIBE THE LIMITATIONS AND THE CODE THEY AFFECT. SUCH DESCRIPTION MUST BE INCLUDED IN THE LEGAL FILE DESCRIBED IN SECTION 3.4 AND MUST BE INCLUDED WITH ALL DISTRIBUTIONS OF THE SOURCE CODE. EXCEPT TO THE EXTENT PROHIBITED BY STATUTE OR REGULATION, SUCH DESCRIPTION MUST BE SUFFICIENTLY DETAILED FOR A RECIPIENT OF ORDINARY SKILL TO BE ABLE TO UNDERSTAND IT.

5. Application of this License

THIS LICENSE APPLIES TO CODE TO WHICH THE INITIAL DEVELOPER HAS ATTACHED THE NOTICE IN EXHIBIT A AND TO RELATED COVERED CODE.

6. Versions of the License

6.1. New Versions

TERRACOTTA, INC. ("TERRACOTTA") MAY PUBLISH REVISED AND/OR NEW VERSIONS OF THE LICENSE FROM TIME TO TIME. EACH VERSION WILL BE GIVEN A DISTINGUISHING VERSION NUMBER.

6.2. Effect of New Versions

ONCE COVERED CODE HAS BEEN PUBLISHED UNDER A PARTICULAR VERSION OF THE LICENSE, YOU MAY ALWAYS CONTINUE TO USE IT UNDER THE TERMS OF THAT VERSION. YOU MAY ALSO CHOOSE TO USE SUCH COVERED CODE UNDER THE TERMS OF ANY SUBSEQUENT VERSION OF THE LICENSE PUBLISHED BY TERRACOTTA. NO ONE OTHER THAN TERRACOTTA HAS THE RIGHT TO MODIFY THE TERMS APPLICABLE TO COVERED CODE CREATED UNDER THIS LICENSE.

6.3. Derivative Works of License; Antecedent Licenses

IF YOU CREATE OR USE A MODIFIED VERSION OF THIS LICENSE (WHICH YOU MAY ONLY DO IN ORDER TO APPLY IT TO CODE WHICH IS NOT ALREADY COVERED CODE GOVERNED BY THIS LICENSE), YOU MUST (A) RENAME YOUR LICENSE SO THAT THE PHRASES "TERRACOTTA", "TPL", OR ANY CONFUSINGLY SIMILAR PHRASE DO NOT APPEAR IN YOUR LICENSE (EXCEPT TO NOTE THAT YOUR LICENSE DIFFERS FROM THIS LICENSE) AND (B) OTHERWISE MAKE IT CLEAR THAT YOUR VERSION OF THE LICENSE CONTAINS TERMS WHICH DIFFER FROM THE TERRACOTTA PUBLIC LICENSE. (FILLING IN THE NAME OF THE INITIAL DEVELOPER, ORIGINAL CODE OR CONTRIBUTOR IN THE NOTICE DESCRIBED IN EXHIBIT A SHALL NOT OF THEMSELVES BE DEEMED TO BE MODIFICATIONS OF THIS LICENSE.)

THIS TERRACOTTA PUBLIC LICENSE (TPL) IS SIMILAR TO, AND CONTAINS SAMPLES FROM, THE MOZILLA PUBLIC LICENSE (MPL) AND THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL). HOWEVER, THIS TPL CONTAINS TERMS WHICH DIFFER FROM THOSE CONTAINED IN THE MPL AND THE CDDL.

7. Disclaimer of Warranty

COVERED CODE IS PROVIDED UNDER THIS LICENSE ON AN “AS IS” BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED CODE IS FREE OF DEFECTS, MERCHANTABILITY, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED CODE IS WITH YOU. SHOULD ANY COVERED CODE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED CODE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

8. Termination

8.1. THIS LICENSE AND THE RIGHTS GRANTED HEREUNDER WILL TERMINATE AUTOMATICALLY IF YOU FAIL TO COMPLY WITH TERMS HEREIN AND FAIL TO CURE SUCH BREACH WITHIN 30 DAYS OF BECOMING AWARE OF THE BREACH. ALL SUBLICENSES TO THE COVERED CODE WHICH ARE PROPERLY GRANTED SHALL SURVIVE ANY TERMINATION OF THIS LICENSE. PROVISIONS WHICH, BY THEIR NATURE, MUST REMAIN IN EFFECT BEYOND THE TERMINATION OF THIS LICENSE SHALL SURVIVE.

8.2. IF YOU INITIATE LITIGATION BY ASSERTING A PATENT INFRINGEMENT CLAIM (EXCLUDING DECLARATORY JUDGMENT ACTIONS) AGAINST INITIAL DEVELOPER OR A CONTRIBUTOR (THE INITIAL DEVELOPER OR CONTRIBUTOR AGAINST WHOM YOU FILE SUCH ACTION IS REFERRED TO AS “PARTICIPANT”) ALLEGING THAT:

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8.3. IF YOU ASSERT A PATENT INFRINGEMENT CLAIM AGAINST PARTICIPANT ALLEGING THAT SUCH PARTICIPANT'S CONTRIBUTOR VERSION DIRECTLY OR INDIRECTLY INFRINGES ANY PATENT WHERE SUCH CLAIM IS RESOLVED (SUCH AS BY LICENSE OR SETTLEMENT) PRIOR TO THE INITIATION OF PATENT INFRINGEMENT LITIGATION, THEN THE REASONABLE VALUE OF THE LICENSES GRANTED BY SUCH PARTICIPANT UNDER SECTIONS 2.1 OR 2.2 SHALL BE TAKEN INTO ACCOUNT IN DETERMINING THE AMOUNT OR VALUE OF ANY PAYMENT OR LICENSE.

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10. U.S. Government End Users

THE COVERED CODE IS A "COMMERCIAL ITEM," AS THAT TERM IS DEFINED IN 48 C.F.R. 2.101 (OCT. 1995), CONSISTING OF "COMMERCIAL COMPUTER SOFTWARE" AND "COMMERCIAL COMPUTER SOFTWARE DOCUMENTATION," AS SUCH TERMS ARE USED IN 48 C.F.R. 12.212 (SEPT. 1995). CONSISTENT WITH 48 C.F.R. 12.212 AND 48 C.F.R. 227.7202-1 THROUGH 227.7202-4 (JUNE 1995), ALL U.S. GOVERNMENT END USERS ACQUIRE COVERED CODE WITH ONLY THOSE RIGHTS SET FORTH HEREIN.

11. Miscellaneous

THIS LICENSE REPRESENTS THE COMPLETE AGREEMENT CONCERNING SUBJECT MATTER HEREOF. IF ANY PROVISION OF THIS LICENSE IS HELD TO BE UNENFORCEABLE, SUCH PROVISION SHALL BE REFORMED ONLY TO THE EXTENT NECESSARY TO MAKE IT ENFORCEABLE. THIS LICENSE SHALL BE GOVERNED BY CALIFORNIA LAW PROVISIONS (EXCEPT TO THE EXTENT APPLICABLE LAW, IF ANY, PROVIDES OTHERWISE), EXCLUDING ITS CONFLICT-OF-LAW PROVISIONS. WITH RESPECT TO DISPUTES IN WHICH AT LEAST ONE PARTY IS A CITIZEN OF, OR AN ENTITY CHARTERED OR REGISTERED TO DO BUSINESS IN THE UNITED STATES OF AMERICA, ANY LITIGATION RELATING TO THIS LICENSE SHALL BE SUBJECT TO THE JURISDICTION OF THE FEDERAL COURTS OF THE NORTHERN DISTRICT OF CALIFORNIA, WITH VENUE LYING IN SANTA CLARA COUNTY, CALIFORNIA, WITH THE LOSING PARTY RESPONSIBLE FOR COSTS, INCLUDING WITHOUT LIMITATION, COURT COSTS AND REASONABLE ATTORNEYS' FEES AND EXPENSES. THE APPLICATION OF THE UNITED NATIONS CONVENTION ON CONTRACTS FOR THE INTERNATIONAL SALE OF GOODS IS EXPRESSLY EXCLUDED. ANY LAW OR REGULATION

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12. Responsibility for Claims

AS BETWEEN INITIAL DEVELOPER AND THE CONTRIBUTORS, EACH PARTY IS RESPONSIBLE FOR CLAIMS AND DAMAGES ARISING, DIRECTLY OR INDIRECTLY, OUT OF ITS UTILIZATION OF RIGHTS UNDER THIS LICENSE AND YOU AGREE TO WORK WITH INITIAL DEVELOPER AND CONTRIBUTORS TO DISTRIBUTE SUCH RESPONSIBILITY ON AN EQUITABLE BASIS. NOTHING HEREIN IS INTENDED OR SHALL BE DEEMED TO CONSTITUTE ANY ADMISSION OF LIABILITY.

13. Multiple-Licensed Code

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extsprintf

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fs.realpath

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properties-parser

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addressing.xml Version: 2004/10 (n/a)

License: W3C

Project: <https://www.w3.org/Submission/ws-addressing/>

Source: <http://schemas.xmlsoap.org/ws/2004/08/addressing/>

ant-launcher (1.10.2)

License: Apache-2.0 AND SAX-PD AND W3C

Project: <https://ant.apache.org/>

Source: <http://central.maven.org/maven2/org/apache/ant/ant-launcher/1.10.2/ant-launcher-1.10.2-sources.jar>

Apache Ant (1.6)

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JUnit (4.12)

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maven-core (3.5.2)

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maven-plugin-annotations (3.5.1)

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Project: <https://maven.apache.org/plugin-tools/maven-plugin-annotations/project-info.html>

Source: <https://github.com/apache/maven-plugin-tools/tree/maven-plugin-tools-3.5.1/maven-plugin-annotations>

maven-plugin-api (3.5.2)

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Project: <https://maven.apache.org/>

Source: <https://github.com/apache/maven/tree/master/maven-plugin-api>

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mex.xsd Version: 2004/09 (n/a)

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Project: <https://www.w3.org/Submission/WS-MetadataExchange/#appendix-II>

Source: <http://schemas.xmlsoap.org/ws/2004/09/mex/MetadataExchange.xsd>

plexus-utils (3.1.0)

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relaxng-datatype (1.0)

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stax2-api (4.1)

License: Pending

Project: <https://github.com/FasterXML/stax2-api>

Source: <http://central.maven.org/maven2/org/codehaus/woodstox/stax2-api/4.1/stax2-api-4.1-sources.jar>

testng (6.14.2)

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Project: <https://testng.org/doc/index.html>

Source: <https://github.com/cbeust/testng>
woodstox-core-asl (4.4.1)

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ws-addr.wsd (1.0)

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Source: <https://www.w3.org/2006/03/addressing/ws-addr.xsd>
wsat.xsd Version: 2004/10 (n/a)

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Source: <http://docs.oasis-open.org/ws-tx/wscoor/2006/06/wstx-wscoor-1.1-schema-200701.xsd>

wsrcm Version: 2005/02 (n/a)

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org.codehaus.woodstox >> stax2-api 4.2

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Mark James

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The packages:

com.hazelcast.util.collection

com.hazelcast.internal.util.concurrent

and the classes:

com.hazelcast.util.QuickMath

com.hazelcast.client.impl.protocol.util.UnsafeBuffer

com.hazelcast.client.impl.protocol.util.BufferBuilder

code originating from the Agrona project

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The class `com.hazelcast.util.HashUtil` contains code originating from the Koloboke project (<https://github.com/OpenHFT/Koloboke>).

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`com.hazelcast.internal.cluster.fd.PhiAccrualFailureDetector` contains code originating from the Akka project (<https://github.com/akka/akka/>).

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Hibernate Core

Hibernate ORM

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AntLR Parser Generator (antlr:antlr)

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Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi)

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Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi)

Other developers who have contributed code are:

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The primary ANTLR guy:

Terence Parr

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Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi)

Other developers who have contributed code are:

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Jakarta SOAP Implementation (SAAJ)

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=== https://confluence.oraclecorp.com/confluence/x/O4G_Bg .
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Source Code

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* <https://github.com/eclipse-ee4j/jws-api>

* <https://github.com/eclipse-ee4j/jax-ws-api>

* <https://github.com/eclipse-ee4j/saaj-api>

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=== "Fourth-Party Dependencies" section below to identify those other LTs.
===
=====
=====

== NAME OF DEPENDENCY 1
jakarta.xml.soap:jakarta.xml.soap-api:jar
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== NAME OF DEPENDENCY 2

org.jvnet.staxex:stax-ex:jar

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- * <https://github.com/eclipse-ee4j/jaxb-dtd-parser>
- * <https://github.com/eclipse-ee4j/jaxb-fi>
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wagon-http-lightweight (3.0.0)

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* Project: <https://maven.apache.org/wagon/>

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<https://mvnrepository.com/artifact/org.apache.maven.wagon/wagon-http-lightweight/3.0.0>

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- * <https://github.com/eclipse-ee4j/metro-mimepull>
- * <https://github.com/eclipse-ee4j/metro-ws-test-harness>
- * <https://github.com/eclipse-ee4j/metro-package-rename-task>
- * <https://github.com/eclipse-ee4j/metro-jax-ws>
- * <https://github.com/eclipse-ee4j/metro-saaaj>
- * <https://github.com/eclipse-ee4j/metro-jwsdp-samples>
- * <https://github.com/eclipse-ee4j/jax-rpc-ri>
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* Project: <https://ant.apache.org/>

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* Project: <https://ant.apache.org/>

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JUnit (4.12)

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* Project:

<https://maven.apache.org/plugin-tools/maven-plugin-annotations/project-info.html>

* Source:

<https://github.com/apache/maven-plugin-tools/tree/maven-plugin-tools-3.5.1/maven-plugin-annotations>

maven-plugin-api (3.5.2)

* License: Apache-2.0

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* License: Pending

* Project: <https://github.com/FasterXML/woodstox>

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* License: W3C

* Project: <https://www.w3.org/2005/08/addressing/>

* Source: <https://www.w3.org/2006/03/addressing/ws-addr.xsd>

wsat.xsd Version: 2004/10 (n/a)

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* Project: <http://schemas.xmlsoap.org/ws/2004/10/wsat/>

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* Project: <http://schemas.xmlsoap.org/ws/2005/02/rm/>

* Source:

<http://schemas.xmlsoap.org/ws/2005/02/rm/wsrn.xsd;%20http://schemas.xmlsoap.org/ws/2005/02/rm/wsrn-policy.xsd>

wsrm.xsd (1.2)

* License: Oasis

wstx-wsat.xsd (1.1)

* License: Oasis (Custom)

xmlsec (1.5.8)

* License: Apache-2.0

* Project: <http://santuario.apache.org/>

* Source:

<https://repo1.maven.org/maven2/org/apache/santuario/xmlsec/1.5.8/xmlsec-1.5.8-sources.jar>

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jakarta.activation:jakarta.activation-api

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jersey-client

jersey-core-client (org.glassfish.jersey.core:jersey-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.

It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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- * [The specification repository](<https://github.com/eclipse-ee4j/beanvalidation-spec>)
- * [The API repository](<https://github.com/eclipse-ee4j/beanvalidation-api>)
- * [The TCK repository](<https://github.com/eclipse-ee4j/beanvalidation-tck>)

Third-party Content

This project leverages the following third party content.

Test dependencies:

- * [TestNG](<https://github.com/cbeust/testng>) - Apache License 2.0
- * [JCommander](<https://github.com/cbeust/jcommander>) - Apache License 2.0

* [SnakeYAML](https://bitbucket.org/asomov/snakeyaml/src) - Apache License 2.0

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expression-eval - v2.0.0

<https://github.com/donmccurdy/expression-eval>

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jsep - v0.3.4

<https://github.com/soney/jsep>

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proj4js - v2.5.0

<http://proj4js.org/>

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require-css - v0.1.10

<https://github.com/guybedford/require-css>

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Hammer.JS - v2.0.8 - 2016-04-22

<http://hammerjs.github.io/>

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Normalize.scss

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RequireJS i18n 2.0.2

<http://github.com/requirejs/i18n> for details

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jsTree 1.0-rc3 <http://jstree.com/>

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select2.js

<https://github.com/select2/select2>

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jQuery UI - v1.13.0 - 2021-10-07

<http://jqueryui.com>

Includes: core.js, widget.js, mouse.js, position.js, draggable.js, sortable.js

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jQuery JavaScript Library v3.6.0

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JS Signals

Author: Miller Medeiros

Version: 1.0.0 - Build: 268 (2012/11/29 05:48 PM)

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RequireJS text 2.0.15

<http://github.com/requirejs/text>

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RequireJS 2.3.6

<http://github.com/jrburke/requirejs>

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<https://github.com/donmccurdy/expression-eval>

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RequireJS i18n

<http://github.com/requirejs/i18n> for details

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JS Signals <<http://millermedeiros.github.com/js-signals/>>

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expression-eval

<https://github.com/donmccurdy/expression-eval>

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require-css

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expression-eval

<https://github.com/donmccurdy/expression-eval>

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require-css

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Hammer.JS

<http://hammerjs.github.io/>

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Normalize.scss

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RequireJS i18n

<http://github.com/requirejs/i18n> for details

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select2.js

<https://github.com/select2/select2>

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jQuery UI -

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JS Signals <<http://millermedeiros.github.com/js-signals/>>

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RequireJS text

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- * org.apache.tomcat:tomcat-util-scan

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<https://github.com/eclipse-ee4j/metro-xmlstreambuffer>

<https://github.com/eclipse-ee4j/metro-policy>

<https://github.com/eclipse-ee4j/metro-wsit>

<https://github.com/eclipse-ee4j/metro-mimepull>

<https://github.com/eclipse-ee4j/metro-ws-test-harness>

<https://github.com/eclipse-ee4j/metro-package-rename-task>

<https://github.com/eclipse-ee4j/metro-jax-ws>

<https://github.com/eclipse-ee4j/metro-saaj>

<https://github.com/eclipse-ee4j/metro-jwsdp-samples>

<https://github.com/eclipse-ee4j/jax-rpc-ri>

Third-party Content

This project leverages the following third party content.

addressing.xml Version: 2004/10 (n/a)

License: W3C

Project: <https://www.w3.org/Submission/ws-addressing/>

Source: <http://schemas.xmlsoap.org/ws/2004/08/addressing/>

ant-launcher (1.10.2)

License: Apache-2.0 AND SAX-PD AND W3C

Project: <https://ant.apache.org/>

Source: <http://central.maven.org/maven2/org/apache/ant/ant-launcher/1.10.2/ant-launcher-1.10.2-sources.jar>

Apache Ant (1.6)

License: Apache-1.1

Project: <https://ant.apache.org/>

Source: <https://repo1.maven.org/maven2/ant/ant/1.6/ant-1.6-sources.jar>

Apache Ant (1.10.2)

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commons-logging (1.1.2)

License: Apache-2.0

Project: <https://commons.apache.org/proper/commons-logging/>

Source: <http://central.maven.org/maven2/commons-logging/commons-logging/1.1.2/commons-logging-1.1.2-sources.jar>

JUnit (4.12)

License: Eclipse Public License

maven-core (3.5.2)

License: Apache-2.0

maven-plugin-annotations (3.5.1)

License: Apache-2.0

Project: <https://maven.apache.org/plugin-tools/maven-plugin-annotations/project-info.html>

Source: <https://github.com/apache/maven-plugin-tools/tree/maven-plugin-tools-3.5.1/maven-plugin-annotations>

maven-plugin-api (3.5.2)

License: Apache-2.0

Project: <https://maven.apache.org/>

Source: <https://github.com/apache/maven/tree/master/maven-plugin-api>
maven-resolver-api (1.1.1)

License: Apache-2.0
maven-resolver-util (1.1.1)

License: Apache-2.0
maven-settings (3.5.2)

License: Apache-2.0
mex.xsd Version: 2004/09 (n/a)

License: Oasis Style
Project: <https://www.w3.org/Submission/WS-MetadataExchange/#appendix-II>
Source: <http://schemas.xmlsoap.org/ws/2004/09/mex/MetadataExchange.xsd>
plexus-utils (3.1.0)

License: Apache- 2.0 or Apache- 1.1 or BSD or Public Domain or Indiana University Extreme!
Lab Software License V1.1.1 (Apache 1.1 style)
relaxng-datatype (1.0)

License: New BSD license
stax2-api (4.1)

License: Pending
Project: <https://github.com/FasterXML/stax2-api>
Source: <http://central.maven.org/maven2/org/codehaus/woodstox/stax2-api/4.1/stax2-api-4.1-sources.jar>
testng (6.14.2)

License: Apache-2.0 AND MIT
Project: <https://testng.org/doc/index.html>
Source: <https://github.com/cbeust/testng>
woodstox-core-asl (4.4.1)

License: Apache-2.0
woodstox-core-asl (5.1.0)

License: Pending
Project: <https://github.com/FasterXML/woodstox>

Source: <https://github.com/FasterXML/woodstox>
ws-addr.wsd (1.0)

License: W3C

Project: <https://www.w3.org/2005/08/addressing/>

Source: <https://www.w3.org/2006/03/addressing/ws-addr.xsd>

wsat.xsd Version: 2004/10 (n/a)

License: Oasis Style

Project: <http://schemas.xmlsoap.org/ws/2004/10/wsat/>

Source: <http://schemas.xmlsoap.org/ws/2004/10/wsat/wsat.xsd>

wscor.xsd (1.0)

License: OASIS Style

wscor.xsd (1.1)

License: Oasis (Custom)

Project: <http://docs.oasis-open.org/ws-tx/wscor/2006/06>

Source: <http://docs.oasis-open.org/ws-tx/wscor/2006/06/wstx-wscor-1.1-schema-200701.xsd>

wstrm Version: 2005/02 (n/a)

License: Oasis (Custom)

Project: <http://schemas.xmlsoap.org/ws/2005/02/rm/>

Source: <http://schemas.xmlsoap.org/ws/2005/02/rm/wstrm.xsd;%20http://schemas.xmlsoap.org/ws/2005/02/rm/wstrm-policy.xsd>

wstrm.xsd (1.2)

License: Oasis

wstx-wsat.xsd (1.1)

License: Oasis (Custom)

xmlsec (1.5.8)

License: Apache-2.0

Project: <http://santuario.apache.org/>

Source: <https://repo1.maven.org/maven2/org/apache/santuario/xmlsec/1.5.8/xmlsec-1.5.8-sources.jar>

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THE BASIC LIBRARY FUNCTIONS

Written by: Philip Hazel

Email local part: ph10

Email domain: cam.ac.uk

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"Application Executable" refers to a mobile application executable installation file, such as an apk or ipa file.

"Application Workspace" refers to a series of files making up the source code of a mobile application developed using MAF Foundation.

"Data Control" refers to MAF Foundation mobile application artifacts that provides standard metadata interfaces to business services (such as web services) accessed by the mobile application.

"Feature" refers to specific MAF Foundation mobile application artifacts that are the building blocks of a mobile application, where each Feature integrated into the mobile application performs a specific set of tasks.

Table 1

Capabilities that may be used when MAF Foundation is included as a component within another Oracle product.

Capability	Description
Sign and deploy Application Archive or Application Workspace into an Application Executable	Sign the mobile application with the appropriate certificates, and deploy the Application Archive or Workspace into an Application Executable.

Capability	Description
Make modifications to an Application Archive as specified, except as listed in Table 2 below	<p>Sign the mobile application with the appropriate certificates, and deploy the Application Archive or Workspace into an Application Executable.</p> <ul style="list-style-type: none"> • Deploy a browser-based Oracle mobile application into MAF Foundation to run as Remote URL Feature(s) • Access device-native services such as the notification framework or camera • Change branding details such as mobile application/navigation bar icons and skins • Modify business logic components and the user interface of the mobile application to align with your implemented business processes and customizations in the associated Oracle non-mobile application(s)
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Manage the mobile application using mobile application management (MAM) solutions	Use MAM solutions with mobile applications generated from an Application Archive; for example, wrapping the mobile application binaries with the containers provided by the MAM solution.

Table 2

Capabilities that may not be used when MAF Foundation is included as a component within another Oracle product.

Capability	Description
Add a new Mobile Application Framework Feature	Add a new MAF Feature such as AMX or Local HTML-based Features, except when embedding a web-based Oracle Application as a Remote URL Feature (as addressed in Table 1 above).
Add a Remote URL Feature to Applications outside of App License Agreement	Add a Remote URL Feature pointing to any application or features that are not part of the Primary Product. For example, for an Application Archive shipped as part of the Oracle PeopleSoft application, add a Remote URL Feature pointing to Oracle Siebel CRM application or to third party applications.

Capability	Description
Add a new MAF Data Control	Add a new Data Control to the MAF-based mobile Application Archive or Application Workspace. For example, a Web Service Data Control that exposes backend data services or a Bean Data Control that exposes custom Java code to the application's user interface.

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org.apache.xmlgraphics:batik-util
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4th party dependency:slf4j-api (MIT)

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Slfjdk-jdk14

SLF4J JDK14 Binding (org.slf4j:slf4j-jdk14)

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Modules:

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slf4j-simple
slf4j-nop
slf4j-jdk14
slf4j-log4j12
slf4j-ext
jcl-over-slf4j
log4j-over-slf4j
jul-to-slf4j
osgi-over-slf4j
integration
slf4j-site
slf4j-migrator

4P Dependencies:

ch.qos.cal10n call0n-api

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Spring Framework

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Top level component - Spring Framework 5.3.23

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Modules

spring-aop

spring-aspects

spring-beans
spring-context-indexer
spring-context-support
spring-context
spring-core
spring-expression
spring-instrument
spring-jcl
spring-jdbc
spring-jms
spring-messaging
spring-orm
spring-oxm
spring-r2dbc
spring-test
spring-tx
spring-web
spring-webflux
spring-webmvc
spring-websocket

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4th party dependencies

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aspectjweaver (EPL 2.0)

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Spring Modules

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spring-aspects
spring-beans
spring-context
spring-context-indexer
spring-expression
spring-jcl
spring-jdbc
spring-jms
spring-messaging
spring-oxm
spring-tx
spring-web
spring-webmvc
spring-aop
spring-context-support
spring-orm
spring-instrument

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Fourth party dependency

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aspectjweaver (EPL 2.0)

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Spring Security

TOP LEVEL COMPONENT: spring-security-5.6.0

TOP LEVEL SUBCOMPONENTS

spring-security-core-5.6.0

spring-security-ldap-5.6.0

spring-security-web-5.6.0

spring-security-config-5.6.0

spring-security-crypto-5.6.0

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Spring Modules

spring-core
spring-aspects
spring-beans
spring-context
spring-context-indexer
spring-expression
spring-jcl
spring-jdbc
spring-jms
spring-messaging
spring-oxm
spring-tx
spring-web
spring-webmvc
spring-aop
spring-context-support
spring-orm
spring-instrument

```
=====
=====
```

Fourth party dependency

```
-----
```

aspectjweaver (EPL 2.0)

```
-----
```

```
/* *****
```

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spring-context

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1. org.springframework » spring-beans

- A) org.springframework » spring-core

- a) org.springframework » spring-jcl

=====separator=====

2. org.springframework » spring-core

- A) org.springframework » spring-jcl

=====END=====

Spring-beans

org.springframework:spring-beans

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org.springframework:spring-context

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org.springframework:spring-beans

org.springframework:spring-core

org.springframework:spring-jcl

org.springframework:spring-expression

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```
A) org.springframework » spring-beans
a) org.springframework » spring-core
*) org.springframework » spring-jcl
B) org.springframework » spring-core
a) org.springframework » spring-jcl
=====separator=====

2. org.springframework » spring-beans
A) org.springframework » spring-core
a) org.springframework » spring-jcl
=====separator=====

3. org.springframework » spring-core
A) org.springframework » spring-jcl
=====separator=====

4. org.springframework » spring-expression
A) org.springframework » spring-core
a) org.springframework » spring-jcl
=====END=====
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=====

```
1. org.springframework » spring-beans
A) org.springframework » spring-core
a) org.springframework » spring-jcl
=====separator=====

2. org.springframework » spring-context
A) org.springframework » spring-aop
a) org.springframework » spring-beans
*) org.springframework » spring-core
*) org.springframework » spring-jcl
b) org.springframework » spring-core
*) org.springframework » spring-jcl
=====separator=====

B) org.springframework » spring-beans
a) org.springframework » spring-core
*) org.springframework » spring-jcl
=====separator=====

C) org.springframework » spring-core
a) org.springframework » spring-jcl
=====separator=====

D) org.springframework » spring-expression
a) org.springframework » spring-core
*) org.springframework » spring-jcl
=====separator=====

3. org.springframework » spring-core
A) org.springframework » spring-jcl
=====END=====
```

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org.springframework:spring-core

spring-core has following 4th party dependencies:

org.springframework:spring-jcl

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=====

Recursive fourth party components:

1. org.springframework » spring-core
2. org.springframework » spring-jcl

=====END=====

=====

Spring-jcl

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No 4th party dependency.

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Spring-jdbc

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org.springframework » spring-beans

org.springframework » spring-core

org.springframework » spring-tx

Spring-test

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=====

org.springframework » spring-beans Apache 2.0

org.springframework » spring-core Apache 2.0

org.springframework » spring-jcl Apache 2.0

Spring-tx

Top level component:

org.springframework:spring-tx

Dependencies:

org.springframework:spring-beans

org.springframework:spring-core

=====

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```

Spring-web

org.springframework:spring-web

spring-web has following 4th party dependencies:

org.springframework:spring-beans

org.springframework:spring-core

org.springframework:spring-jcl

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Spring-webmvc

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Recursive fourth party components:-

```

=====
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A) org.springframework » spring-beans
a) org.springframework » spring-core
*) org.springframework » spring-jcl
=====

B) org.springframework » spring-core
a) org.springframework » spring-jcl
=====separator=====

2. org.springframework » spring-beans
A) org.springframework » spring-core
a) org.springframework » spring-jcl
=====separator=====

3. org.springframework » spring-context
A) org.springframework » spring-aop
a) org.springframework » spring-beans
*) org.springframework » spring-core
*) org.springframework » spring-jcl
b) org.springframework » spring-core
*) org.springframework » spring-jcl
=====

B) org.springframework » spring-beans
a) org.springframework » spring-core
*) org.springframework » spring-jcl
C) org.springframework » spring-core
*) org.springframework » spring-jcl
D) org.springframework » spring-expression
a) org.springframework » spring-core
*) org.springframework » spring-jcl
=====separator=====

4. org.springframework » spring-core
A) org.springframework » spring-jcl
=====separator=====

```

5. org.springframework » spring-expression

A) org.springframework » spring-core

a) org.springframework » spring-jcl

=====separator=====

6. org.springframework » spring-web

A) org.springframework » spring-beans

a) org.springframework » spring-core

*) org.springframework » spring-jcl

B) org.springframework » spring-core

a) org.springframework » spring-jcl

=====END=====

sshd-common

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Fourth Party Dependency Name : slf4j-api

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Aleksander Slominski
2001-12-12
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\$Id: MXParser.java,v 1.52 2006/11/09 18:29:37 aslom Exp \$

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Initial authors:

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2001-12-12

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