

Oracle® Financial Crime and Compliance Management Licensing Information User Manual



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Contents

1 Product Family – Platform

Oracle Financial Services Advanced Analytical Applications Infrastructure and Oracle Financial Services Analytical Application Infrastructure Extension Pack	1
--	---

2 Product Family - Financial Crime and Compliance Management

Oracle Financial Services Behavior Detection Application Pack	1
Oracle Financial Services Compliance Regulatory Reporting Application Pack	2
Oracle Financial Services Enterprise Case Management Application Pack	2
Oracle Financial Services Sanctions Application Pack	3
Oracle Financial Services Compliance Studio Application Pack	4
Oracle Financial Services Crime and Compliance Investigation Toolkit Application Pack	5
Oracle Financial Services Anti-Money Laundering Premium Edition Application Pack	5

3 Restricted Use License

Oracle Financial Services Analytical Applications Infrastructure for Financial Crime and Compliance Management	1
Oracle Financial Services Anti-Money Laundering Enterprise Edition	1
Oracle Financial Services Fraud Enterprise Edition	2
Oracle Financial Services Know Your Customer	3
Oracle Financial Compliance Regulatory Reporting	3
Oracle Financial Currency Transaction Reporting	4
Oracle Financial Services Compliance Studio	4
Oracle Financial Services Sanctions Application	5
Oracle Financial Services Customer Screening	5
Oracle Financial Services Transaction Filtering	6

4 Third-Party Notices

Commercial Software	1
Open Source Software	1

5 Third-Party Licenses

The Apache Software Foundation	1
activemq-client	1
Apache Commons DBCP	28
batik-transcoder	33
Common	43
Commons Codec	138
Commons IO	144
Commons Collections	149
Commons Compress	154
Commons CSV	160
Commons FileUpload	165
Commons Lang	168
Commons Logging	174
Commons Pool	179
Commons Text	184
curvesapi	190
Cython	198
D3	202
EclipseLink	213
fop-core	221
Jackson Annotations	235
jackson-module-jaxb-annotations	241
jackson-jaxrs-base	255
jackson-jaxrs-json-provider	267
Jackson Databind	279
Jackson Core	291
Fontbox	303
FreeMarker	312
Gauva	318
httpclient5	327
httpcore5-h2	342
httpcore5	346
Javassist	351
jjwt-jackson	367
jjwt-impl	378
jjwt-api	386
JSch	393
Json-path	395
json-smart	403
kafka-clients	410

log4j-api	421
log4j-web	427
log4j-core	433
Liquibase-Core	439
Matplotlib	449
metrics-core	452
Mina SSHD-common	457
Mina SSHD-sftp	469
Mina sshd-core	481
moment-timezone	494
NumPy	495
PDFbox	497
openmetadata-shaded-deps	506
openmetadata-java-client	550
openmetadata-spec	667
oracledb	766
poi-ooxml-lite	772
poi-ooxml	781
providex-core	803
Saxon-HE	810
Scipy	826
Spring Framework	827
spring-integration-kafka	842
slf4j-api	857
SQLAlchemy	858
thymeleaf-extras-springsecurity6	858
Underscore.js	866
XML Security for Java	867
Xalan Java	877
XMLBeans	906
XML Resolver	912
Font Awesome Free License	917
The MIT License	925
EditDistance	925
jQuery	926
react-router-dom	927
jsPDF- AutoTable	928
jsPDF	929
minisom	929
Pyjnius	930
The 3-Clause BSD License	930
D3	931

Enterprise Security API (ESAPI)	942
OWASP Java Encoder Project	979
Pandas	980
The 2-Clause BSD License	981
stax2-api	981
Ryan Niemeyer, Technology: knockout-postbox	983

6 Appendix A: Third-Party Files for Compliance Studio

Compliance Studio	1
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Document Control FCCM LIUM

The following table describes document control of this guide.

Table Document Control

Version Number	Revision Date	Change Log
21.0	January 2026	Updated the Third-Party Licenses information for OFS CS for the January 2026 CPU.
20.0	April 2025	Updated the Third-Party Licenses information for OFS CS for the 8.1.2.9.0 release
19.0	February 2025	Updated the Third-Party Licenses information for OFS ECM
18.0	January 2025	Updated the Third-Party Licenses information
17.0	December 2024	Added the latest release number for each application pack in section

1

Product Family – Platform

- [Oracle Financial Services Advanced Analytical Applications Infrastructure and Oracle Financial Services Analytical Application Infrastructure Extension Pack](#)

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

This section includes licensing information for OFSAAAI and OFSAAIEP.

Table 1-1 Table 1: Licensing Information for OFSAAAI and OFSAAIEP

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 - Inline Processing Engine Each Oracle Financial Services Analytical Application Infrastructure Extension Pack includes the following products: - Analytical Applications Infrastructure - Extension Pack	- 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 - Oracle Stack Libraries used in the application pack - None - Third-party software tools used in the application pack - Apache 2.0 - accessors-smart - activemq-client - Apache Commons DBCP - Apache Santuario XMLSecurity for Java - batik-transcoder - Commons BCEL - Commons Codec - Commons Collections - Commons Compress - Commons CSV - Commons FileUpload - Commons IO - Commons Lang - Commons Logging - Commons Pool - Commons Text - curvesapi - D3 - EclipseLink - fop-core - FreeMarker - Gauva - GSON - httpcore5 - httpcore5-h2 - httpclient5 - Jackson - Jackson Annotations - Jackson Core - Jackson Databind - jackson-jaxrs-base - jackson-jaxrs-json-provider - jackson-module-jaxb-annotations

Table 1-1 (Cont.) Table 1: Licensing Information for OFSAAAI and OFSAAIEP

Products	Licensing Description
	• Javassist • jjwt-api • JSch • json-smart • json-path • kafka-clients • log4j-api • log4j-web • log4j-core • metrics-core • Moment-Timezone • provide-core • RequireJS • Saxon-HE • slf4j-api • slf4j-simple • Spring Framework • spring-integration-kafka • Mina SSHD-common • Mina sshd-core • Mina SSHD-sftp • Underscore.js • Xalan Java • Xerces2 Java • XMLBeans • xmlgraphics-commons • XML Resolver • XML Security for Java • MIT • jQuery • jQuery UI • sizzle • 2-Clause BSD • stax2-api • 3-Clause BSD • Enterprise Security API (ESAPI) • OWASP Java Encoder Project

2

Product Family - Financial Crime and Compliance Management

This chapter includes licensing information for the Financial crime and Compliance Management (FCCM) products.

Topics:

- [Oracle Financial Services Behavior Detection Application Pack](#)
- [Oracle Financial Services Compliance Regulatory Reporting Application Pack](#)
- [Oracle Financial Services Enterprise Case Management Application Pack](#)
- [Oracle Financial Services Compliance Studio](#)
- [Oracle Financial Services Sanctions Application Pack](#)
- [Oracle Financial Services Anti-Money Laundering Premium Edition Application Pack](#)

Oracle Financial Services Behavior Detection Application Pack

This section includes the licensing information for Oracle Financial Services Behavior Detection Application Pack (OFS BD).

Table 2-1 Table 2: Licensing Information for OFS BD

Products	Licensing Description
Each Oracle Financial Services Behavior Detection (OFS BD) applications pack includes the following products: • Oracle Financial Services Anti-Money Laundering (OFS AML) • Oracle Financial Services Know Your Customer (OFS KYC) • Oracle Financial Services Fraud • Oracle Financial Services Currency Transaction Reporting (OFS CTR) • Oracle Financial Services Crime and Compliance Management Analytics • Oracle Financial Services Trade-Based Anti Money Laundering Enterprise Edition	• 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 Solaris • Oracle Database Server and Client • Web Server/ Web Application Server • WebLogic • WebSphere • Apache Tomcat • Third party software tools used in the application pack. • None.

Oracle Financial Services Compliance Regulatory Reporting Application Pack

This section includes the licensing information for Oracle Financial Services Compliance Regulatory Reporting Application Pack (OFS CRR).

Table 2-2 Table 3: Licensing Information for OFS CRR

Products	Licensing Description
Each Oracle Financial Services Compliance Regulatory Reporting application pack includes the following product: • Oracle Financial Services Compliance Regulatory Reporting, for US SAR • Oracle Financial Services Compliance Regulatory Reporting, for CA STR • Financial Services Compliance Regulatory Reporting, for IN STR (ARF) • Financial Services Compliance Regulatory Reporting for goAML STR	• Prerequisites • Operating System • Oracle Linux / Red Hat Enterprise Linux (x86-64) • Java Runtime Environment • Oracle Linux / Red Hat Enterprise Linux • Oracle Solaris • Oracle Database Server and Client • Web Server/Web Application Server • Third-party software tools used in the application pack • None

Oracle Financial Services Enterprise Case Management Application Pack

This section includes the licensing information for Oracle Financial Services Enterprise Case Management Application Pack (OFS ECM).

Table 2-3 Table 4: Licensing Information for OFS ECM

Products	Licensing Description
Each Oracle Financial Services Enterprise Case Management application pack includes the following products: • Oracle Financial Services Enterprise Case Management (ECM) • Oracle Financial Services Enterprise Case Management Front Office User	• 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 Solaris • Oracle Database Server and Client • Web Server/ Web Application Server • WebLogic • WebSphere • Apache Tomcat • Third party software tools used in the application pack • Fontbox • Pdffbox • Pdffbox-io Restricted Use: The product Oracle Financial Services Enterprise Case Management - Front Office User contains FCCM Enterprise Case Management functionality. This functionality has a restricted use and is to be used only for the following purposes: • Application Users can only be assigned the Front Office Analyst role. The permissions associated to this role cannot be modified. • The Front Office Analyst role can only be implemented to allow for the initial disposition of a case. Users can only have access to a case in a New status and then only take one of two types of actions: Close or Move to Investigation. • Front Office Analyst users cannot create manual events or manual cases.

Oracle Financial Services Sanctions Application Pack

This section includes the licensing information for Oracle Financial Services Sanctions Application Pack (OFS Sanctions).

Table 2-4 Table 6: Licensing Information for OFS Sanctions

Products	Licensing Description
Each Oracle Financial Services Sanctions (OFS Sanctions) applications pack includes the following products: • Oracle Financial Services Customer Screening (OFS CS) • Oracle Financial Services Transaction Filtering (OFS TF)	• 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 Solaris • Oracle Database Server and Client • Web Server/ Web Application Server • WebLogic • WebSphere • Apache Tomcat (only for OFS CS) • EDQ • Oracle Enterprise Data Quality for Oracle Financial Services Analytical Applications (Oracle EDQ 12.2.1.1.0) must be installed. This needs to be installed separately and not on an existing AAI or OFS pack. • Third party software tools used in the application pack. • None.

Oracle Financial Services Compliance Studio Application Pack

This section includes the licensing information for Oracle Financial Services Compliance Studio Application Pack (OFS CS).

Table 2-5 Table 5: Licensing Information for OFS CS

Product	Licensing Description
Oracle Financial Services Compliance Studio	• Prerequisites • Operating System • Oracle Linux Server 7.9 • Oracle Linux Server 7.4 • Oracle Linux Server 7.2 • Java Runtime Environment • Java 8 • Java 11 • Oracle Database Server and Client • Third party software tools used in the application pack can be found in Compliance Studio. • Commons Lang3 • fontTools • PIP • Protobuf • urllib3 • Ds-Interpreter • PGX

Oracle Financial Services Crime and Compliance Investigation Toolkit Application Pack

This section includes the licensing information for Oracle Financial Services Crime and Compliance Investigation Toolkit Application Pack.

Table 2-6 Table 7: Licensing Information for Investigation Toolkit

Product	Licensing Description
Oracle Financial Services Investigation Toolkit	• Investigation Toolkit is deployed on top of Compliance Studio. For more information, see the Oracle Financial Services Compliance Studio Application Pack section. • Third party software tools used in the application pack • None

Oracle Financial Services Anti-Money Laundering Premium Edition Application Pack

This section includes the licensing information for Oracle Financial Services Anti-Money Laundering Premium Edition Application Pack.

Table 2-7 Table 8: Licensing Information for Anti-Money Laundering Premium Edition

Products	Licensing Description
Each Oracle Financial Services Anti-Money Laundering Premium Edition includes the following application packs: • Oracle Financial Services Behavior Detection • Oracle Financial Services Compliance Studio	Refer the following sections for licensing information: • Oracle Financial Services Behavior Detection Application Pack • Oracle Financial Services Compliance Studio Application Pack

3

Restricted Use License

The following are the restricted use licenses:

- [Oracle Financial Services Analytical Applications Infrastructure for Financial Crime and Compliance Management](#)
- [Oracle Financial Services Anti-Money Laundering Enterprise Edition](#)
- [Oracle Financial Services Fraud Enterprise Edition](#)
- [Oracle Financial Services Know Your Customer](#)
- [Oracle Financial Services Compliance Regulatory Reporting Application Pack](#)
- [Oracle Financial Currency Transaction Reporting](#)
- [Oracle Financial Services Compliance Studio](#)
- [Oracle Financial Services Sanctions Application Pack](#)

Oracle Financial Services Analytical Applications Infrastructure for Financial Crime and Compliance Management

The Oracle Financial Services Analytical Applications Infrastructure for Financial Crime and Compliance Management license is restricted for use with the listed applications:

- Financial Services Anti-Money Laundering Enterprise Edition
- Financial Services Fraud Enterprise Edition
- Financial Services Currency Transaction Reporting
- Financial Services Crime and Compliance Management Oracle Analytics

Oracle Financial Services Anti-Money Laundering Enterprise Edition

Supplement change contains FCCM Enterprise Case Management functionality; this functionality has a restricted use and is to be used only for the following purposes:

- To investigate cases related to AML behaviors for events derived only from the Oracle FCCM AML Detection engine. The Behavior Detection Alert Management user interface is not to be used to review and disposition any alerts and no alerts can be sent to a case using the Promote to Case functionality;
- Any correlation rules can only allow for either each individual event singularly being correlated to a case or having events correlate for the same focal entity for a single behavior detection engine run (a single batch ID);
- Application Users can only be assigned the following available roles: CM Level 1 Analyst, CM Level 1 Supervisor, Case Administrator and Case Viewer roles. The permissions

associated to these roles cannot be modified except when the customer would like to implement Trusted Pairs and/or Event Suppression. In this situation, the permissions may be added to the roles as described in the following table:

Table 3-1 Table 9: Trusted Pairs & Event Suppression Permissions

Roles	Permissions
CM Level 1 Analyst	- Define Trusted Paris - Define Suppression
CM Level 1 Supervisor	- Define Trusted Paris - Define Suppression - Trusted Pairs Admin - Suppression Admin

- In Case Designer only the applicable workflow can be changed when editing the Anti Money Laundering Event Disposition Case Type. The Attributes and Entities cannot be changed;
- Any changes to workflows must be made by editing the Anti Money Laundering Event Disposition workflow. No other editing of workflows is allowed;
- RFI functionality cannot be implemented;
- QA Sampling functionality cannot be implemented; and
- Web Services available for Enterprise Case Management product cannot be used;
- Only existing Application Rules can be used in Process Modeling Framework. If an Application Rule needs to be created it can only be of a Decision Rule type. No additional Application rules can be created when developing workflows in Process Modeling Framework barring the only exception if an Application Rule is a Decision Rule Type.

Oracle Financial Services Fraud Enterprise Edition

Supplement change contains FCCM Enterprise Case Management functionality; this functionality has a restricted use and is to be used only for the following purposes:

- To investigate cases related to Fraud behaviors for events derived only from the Oracle FCCM Fraud Detection engine or through the post alert service. The Behavior Detection Alert Management user interface is not to be used to review and disposition any alerts and no alerts can be sent to a case using the Promote to Case functionality.
- Any correlation rules can only allow for each individual event singularly being correlated to a case or having events correlate for the same focal entity for a single behavior detection engine run (a single batch ID).
- Application Users can only be assigned the following available roles: CM Level 1 Analyst, CM Level 1 Supervisor, Case Administrator and Case Viewer roles. The permissions associated to these roles cannot be modified;
- In Case Designer only the applicable workflow can be changed when editing the Fraud Event Disposition Case Type. The Attributes and Entities cannot be changed.
- Any changes to workflows must be made by editing the Fraud Event Disposition workflow. No other editing of workflows is allowed.
- RFI functionality cannot be implemented.
- QA Sampling functionality cannot be implemented.

- Web Services available for Enterprise Case Management product cannot be used;
- Only existing Application Rules can be used in Process Modeling Framework. If an Application Rule needs to be created it can only be of a Decision Rule type. No additional Application rules can be created when developing workflows in Process Modeling Framework barring the only exception if an Application Rule is a Decision Rule Type.

Oracle Financial Services Know Your Customer

Supplement change contains FCCM Enterprise Case Management functionality. This functionality has a restricted use and is to be used only for the following purposes:

- To investigate cases related to KYC product for events derived only from the Oracle FCCM KYC product or through post alert service.
- Any correlation rules can only allow for each individual event singularly being correlated to a case or having events correlate for the same focal entity for a single KYC batch run (a single batch ID).
- Application Users can only be assigned one of two available roles: Level 1 Analyst and Level 1 Supervisor. The permissions associated to these roles cannot be modified.
- Only the applicable workflow can be changed when using the Know Your Customer event disposition case types, the attributes, and entities cannot be changed.
- Any changes to workflows must be made by editing Know Your Customer and onboarding event disposition workflows. No other editing of workflows is allowed.
- RFI functionality cannot be implemented.
- Web Services available for Enterprise Case Management product cannot be used.
- Only existing Application Rules can be used. If an Application Rule needs to be created it can only be of a Decision Rule type. No additional Application rules can be created when developing workflows in Process Modeling Framework barring the only exception if an Application Rule is a Decision Rule Type.

Oracle Financial Compliance Regulatory Reporting

Supplement change contains Compliance Regulatory Reporting (OFS CRR) functionality. This functionality has a restricted use and is to be used only for the following purposes:

- The OFS CRR application is used to analyze the reports and take appropriate action on the report for a resolution.
- The Oracle Financial Services Compliance Regulatory Reporting application seamlessly integrates with the Oracle Financial Services Enterprise Case Management system, enabling the automatic generation of reports filled with pertinent information related to an ongoing investigation for any filed report.
- The OFS CRR application facilitates the creation of an e-file in a designated format based on regulator specifications. Upon successful e-filing, users can retrieve the acknowledgment file from the Regulator E-Filing System and upload it to the OFS CRR application, effectively finalizing the SAR process.
- When a report is generated in the OFS CRR application via the OFS ECM application, the report details are automatically filled with data from the corresponding case that prompted the report creation.
- Roles – Analyst and Supervisor: Analyst role users have the ability to update a report in Open status and request its details for approval. A Supervisor is authorized to approve,

rework, or cancel the filing of reports following the Analyst's approval request. Once approved by the Supervisor, the Regulatory Reporting application generates the report after completing all required validations. Subsequently, the report is submitted to the Regulator..

Oracle Financial Currency Transaction Reporting

Supplement change contains Currency Transaction Reporting (CTR) functionality. This functionality has a restricted use and is to be used only for the following purposes:

- CTR supports the e-filing of cash transactions that are greater than \$10,000 or multiple transactions that aggregate to greater than \$10,000. The Currency Transaction Reports are created either at the branches or through the end of day files, where CTR aggregates multiple transactions performed at the branch, ATMs and Vaults. In addition, this application also captures and reports Monetary Instrument Purchases.
- A Currency Transaction Report can be generated through the following methods: System-Generated Currency Transaction Reports, Manual Creation of Currency Transaction Reports, and Branch-Generated Currency Transaction Reports.
- CTR covers three scenarios - Customer Focus, TIN Focus, and Conductor Focus.
- CTR follows PMF workflow.
- Report Type: Initial, Fincen BackFiling and Correct/Amend Report
- CTR Roles: CTR Viewer, CTR Analyst, Supervisor, QA Analyst, DOEP E-File Analyst, CTR E-File Analyst, and Exemption Analyst
- E-File Generation: Users generate E-File output in .xml format to submit to the regulator.
- SDTM: The Currency Transaction Report (CTR) enables batch e-filing through FinCEN's Secure Data Transfer Mode (SDTM), a secure method for transferring batch submissions from an organization's internal server to the BSA E-Filing server. If your system is configured to automatically use SDTM for filing, you can still generate an e-file via the Generate E-file window; however, manual uploading or tracking of the new e-file is not possible.

Oracle Financial Services Compliance Studio

From July 2021, there will be no further releases of FCC Studio and Customers will be asked to move to Compliance Studio SKU. Customers on the FCC Studio SKU will be allowed to use only the following. Compliance Studio functionality until license migration has occurred. This will be supported up to the 8.1.2.1.0 version of Compliance Studio, after which a Compliance Studio license will be needed:

- Ability to create and execute notebooks via the Data Studio interface (not via model pipelines).
- Ability to publish scenarios for execution in the BD engine and use of the Create Event API.
- Customization and execution of Graph and generating Pipelines which includes ingestion of new data sources.
- Configuration and Execution of Matching Rules for similarity edge generation in graph and for searching capabilities within Investigation Toolkit.
- Ability to execute ML models provided as part of Matching Capability (not to train the models).

- Ability to make manual decisions on similarity edges.
- Oracle Database required as Meta data store.

From July 2021, there will be no further releases of AIF and Customers will be asked to move to Compliance Studio SKU. Customers on the AIF SKU will be allowed to use only the following Compliance Studio functionality until license migration has occurred. This will be supported up to the 8.1.2.1.0 version of Compliance Studio, after which a Compliance Studio license will be needed:

- Use the 300+ pre-defined attributes for building models.
- Use the Auto ML module to develop models.
- Use the inbuilt output tracking module for tracking and versioning.
- Use prebuilt model development, ongoing monitoring, and drift monitoring notebooks.

From July 2021, there will be no further releases of Event Scoring and Customers will be asked to move to Compliance Studio SKU. Customers on the Event Scoring SKU will be allowed to use only the following functionalities in Compliance Studio. This will be supported up to the 8.1.2.1.0 version of Compliance Studio, after which a Compliance Studio license will be needed. Compliance Studio functionality until license migration has occurred:

- Use prebuilt connectors to create a training dataset with alert highlights.
- Use the Auto ML module to train an event-scoring model.
- Use prebuilt notebooks for training dataset creation and model training.

Oracle Financial Services Sanctions Application

- [Oracle Financial Services Customer Screening](#)
- [Oracle Financial Services Transaction Filtering](#)

Oracle Financial Services Customer Screening

Supplement change contains FCCM Enterprise Case Management functionality. This functionality has a restricted use and is to be used only for the following purposes:

- To investigate cases related to Customer events derived only from the Oracle FCCM Customer Screening product.
- Any correlation rules can only allow for either each individual event singularly being correlated to a case or having events correlate for the same focal entity for a single Customer screening batch run (a single batch ID).
- Application Users can only be assigned the following available roles: CM Level 1 Analyst, CM Level 1 Supervisor, Case Administrator. The permissions associated to these roles cannot be modified.
- In Case Designer only the applicable workflow can be changed when editing the Customer screening Case Type. The Attributes and Entities cannot be changed.
- Any changes to workflows must be made by copying the Customer screening workflows. No other editing of workflows is allowed.
- RFI functionality cannot be implemented.
- Web Services available for Enterprise Case Management product cannot be used.
- Only existing Application Rules can be used in Process Modeling Framework. If an Application Rule needs to be created, it can only be of a Decision Rule type. No additional

Application rules can be created when developing workflows in Process Modeling Framework barring the only exception if an Application Rule is a Decision Rule Type.

Oracle Financial Services Transaction Filtering

Supplement change contains FCCM Enterprise Case Management functionality. This functionality has a restricted use and is to be used only for the following purposes:

- To investigate cases related to transaction events derived only from the Oracle FCCM Transaction Filtering product via Promote to case.
- Any correlation rules can only allow for each individual event singularly being correlated to a case.
- Application Users can only be assigned the following available roles: CM Level 1 Analyst, CM Level 1 Supervisor, Case Administrator. The permissions associated to these roles cannot be modified.
- In Case Designer only the applicable workflow can be changed when editing the Transaction Filtering Case Type. The Attributes and Entities cannot be changed.
- Any changes to workflows must be made by copying the Transaction Filtering workflows. No other editing of workflows is allowed.
- RFI functionality cannot be implemented.
- Web Services available for Enterprise Case Management product cannot be used.
- Only existing Application Rules can be used in Process Modeling Framework. If an Application Rule needs to be created, it can only be of a Decision Rule type. No additional Application rules can be created when developing workflows in Process Modeling Framework barring the only exception if an Application Rule is a Decision Rule Type.

4

Third-Party Notices

The open-source software(s) used in the Oracle Financial Services Analytical Applications are listed in the following table.

Commercial Software

Commercial software used in Oracle Financial Services Analytical Applications (OFS AAI) and Financial Crime and Compliance Management (FCCM) products are identified in the following table with the following license notes, restrictions, and disclaimers.

Commercial software products or components distributed in Oracle Financial Services Analytical Applications (OFS AAI) and Financial Crime and Compliance Management (FCCM) products are identified in the following table along with the applicable licensing information.

Table 4-1 Table 10: Commercial Software

Provider	Component(s)	Functionality	Licensing Information
	None		

Open Source Software

The required notices for open-source software products or components distributed in the Oracle Financial Services Analytical Applications 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](#).

Table 4-2 Table 11: Open Source Software

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 Pool Commons VFS FreeMarker Guava Hadoop Hive jackson-databind JWT joda-time Kafka Log4J Mousetrap POI Pdfbox Scala Spark sqoop Xerces2 Java XMLBeans XWork	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 .

Table 4-2 (Cont.) Table 11: Open Source Software

Provider	Component(s)	Functionality	Licensing Information
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 .
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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

Table 4-2 (Cont.) Table 11: Open Source Software

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Table 4-2 (Cont.) Table 11: Open Source Software

Provider	Component(s)	Functionality	Licensing Information
Jeff Ichnowski	OWASP Java Encoder Project	Encoder class with no dependencies and little baggage enabling Java developers to defend against Cross-Site Scripting attacks.	Licensed under the New BSD license. For a copy of the license, see the License text .
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5

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Fourth party dependencies

#01 org.apache.xmlgraphics:batik-anim:jar:
#02 org.apache.xmlgraphics:batik-awt-util:jar:
#03 org.apache.xmlgraphics:batik-bridge:jar:
#04 org.apache.xmlgraphics:batik-constants:jar:
#05 org.apache.xmlgraphics:batik-css:jar:
#06 org.apache.xmlgraphics:batik-dom:jar:
#07 org.apache.xmlgraphics:batik-ext:jar:
#08 org.apache.xmlgraphics:batik-gvt:jar:
#09 org.apache.xmlgraphics:batik-i18n:jar:
#10 org.apache.xmlgraphics:batik-parser:jar:
#11 org.apache.xmlgraphics:batik-script:jar:
#12 org.apache.xmlgraphics:batik-shared-resources:jar:
#13 org.apache.xmlgraphics:batik-svg-dom:jar:
#14 org.apache.xmlgraphics:batik-svggen:jar:
#15 org.apache.xmlgraphics:batik-util:jar:
#16 org.apache.xmlgraphics:batik-xml:jar:
#17 org.apache.xmlgraphics:xmlgraphics-commons:jar:
#18 xml-apis:xml-apis:jar:
#19 xml-apis:xml-apis-ext:jar:
#20 commons-io:commons-io:jar:
#21 commons-logging:commons-logging:jar:

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Common

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Top level component : org.open-metadata:common

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#02 com.fasterxml.jackson.core:jackson-annotations:jar:
#03 com.fasterxml.jackson.core:jackson-databind:jar:
#04 com.fasterxml.jackson.dataformat:jackson-dataformat-yaml:jar:
#05 com.fasterxml.jackson.datatype:jackson-datatype-guava:jar:
#06 com.fasterxml.jackson.datatype:jackson-datatype-jdk8:jar:
#07 com.fasterxml.jackson.datatype:jackson-datatype-joda:jar:
#08 com.fasterxml.jackson.datatype:jackson-datatype-jsr310:jar:
#09 com.fasterxml.jackson.jaxrs:jackson-jaxrs-base:jar:
#10 com.fasterxml.jackson.jaxrs:jackson-jaxrs-json-provider:jar:

#11 com.fasterxml.jackson.module:jackson-module-blackbird:jar:
#12 com.fasterxml.jackson.module:jackson-module-jaxb-annotations:jar:
#13 com.fasterxml.jackson.module:jackson-module-parameter-names:jar:
#14 com.fasterxml.classmate:jar:
#15 com.github.ben-manes.caffeine:caffeine:jar:
#16 com.google.code.findbugs:annotations:jar:
#17 com.google.code.findbugs:jsr305:jar:
#18 com.google.code.javaparser:javaparser:jar:
#19 com.google.errorprone:error_prone_annotations:jar:
#20 com.google.guava:failureaccess:jar:
#21 com.google.guava:guava:jar:
#22 com.google.guava:listenablefuture:jar:
#23 com.google.j2objc:j2objc-annotations:jar:
#24 commons-codec:commons-codec:jar:
#25 commons-io:commons-io:jar:
#26 commons-lang:commons-lang:jar:
#27 io.dropwizard.logback:logback-throttling-appender:jar:
#28 io.dropwizard.metrics:metrics-annotation:jar:
#29 io.dropwizard.metrics:metrics-core:jar:
#30 io.dropwizard.metrics:metrics-jersey2:jar:
#31 io.dropwizard.metrics:metrics-logback:jar:
#32 io.dropwizard:dropwizard-jackson:jar:
#33 io.dropwizard:dropwizard-jersey:jar:
#34 io.dropwizard:dropwizard-logging:jar:
#35 io.dropwizard:dropwizard-util:jar:
#36 io.dropwizard:dropwizard-validation:jar:
#37 jakarta.activation:jakarta.activation-api:jar:
#38 jakarta.annotation:jakarta.annotation-api:jar:
#39 jakarta.inject:jakarta.inject-api:jar:
#40 jakarta.json.bind:jakarta.json.bind-api:jar:
#41 jakarta.servlet:jakarta.servlet-api:jar:
#42 jakarta.validation:jakarta.validation-api:jar:
#43 jakarta.ws.rs:jakarta.ws.rs-api:jar:
#44 jakarta.xml.bind:jakarta.xml.bind-api:jar:

#45 javax.validation:validation-api:jar:
 #46 joda-time:joda-time:jar:
 #47 org.apache.commons:commons-lang3:jar:
 #48 org.checkerframework:checker-qual:jar:
 #49 org.eclipse.jetty:jetty-io:jar:
 #50 org.eclipse.jetty:jetty-util:jar:
 #51 org.glassfish.hk2.external:aopalliance-repackaged:jar:
 #52 org.glassfish.hk2:hk2-api:jar:
 #53 org.glassfish.hk2:hk2-locator:jar:
 #54 org.glassfish.hk2:hk2-utils:jar:
 #55 org.glassfish.hk2:osgi-resource-locator:jar:
 #56 org.glassfish.jersey.containers:jersey-container-servlet:jar:
 #57 org.glassfish.jersey.containers:jersey-container-servlet-core:jar:
 #58 org.glassfish.jersey.core:jersey-client:jar:
 #59 org.glassfish.jersey.core:jersey-common:jar:
 #60 org.glassfish.jersey.core:jersey-server:jar:
 #61 org.glassfish.jersey.ext:jersey-metainf-services:jar:
 #62 org.glassfish.jersey.inject:jersey-hk2:jar:
 #63 org.glassfish:jakarta.el:jar:
 #64 org.hibernate.validator:hibernate-validator:jar:
 #65 org.javassist:javassist:jar:
 #66 org.jboss.logging:jboss-logging:jar:
 #67 org.jsonschema2pojo:jsonschema2pojo-core:jar:
 #68 org.projectlombok:lombok:jar:
 #69 org.slf4j:jcl-over-slf4j:jar:
 #70 org.slf4j:jul-to-slf4j:jar:
 #71 org.slf4j:slf4j-api:jar:
 #72 com.sun.codemodel:codemodel:jar:
 #73 javax.json.bind:javax.json.bind-api:jar:

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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* javax.annotation:javax.annotation-api

* javax.transaction:javax.transaction-api

* javax.websocket:javax.websocket-api

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

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OSXAdapter

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Javassist

org.javassist:javassist

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#02 jackson-databind

#03 jackson-annotations

#04 jackson-core

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io.jsonwebtoken.impl.io.Base64OutputStream

io.jsonwebtoken.impl.io.BaseNCodec

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JSch

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Top Level Component : jsch

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Dependency 2:

ASM

ASM: a very small and fast Java bytecode manipulation framework

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kafka-clients

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#02 org.lz4:lz4-java:jar

#03 org.xerial.snappy:snappy-java:jar

#04 org.osgi:org.osgi.core:jar

#05 org.slf4j:slf4j-api:jar

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Fourth party #01 : com.github.luben:zstd-jni:jar

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moment-timezone

=====

Top level component : moment-timezone

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openmetadata-shaded-deps

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Top level component - org.open-metadata:openmetadata-shaded-deps

(includes org.open-metadata:opensearch-deps)

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#00 org.opensearch.client:opensearch-rest-high-level-client:jar:

#00 org.opensearch.plugin:aggs-matrix-stats-client:jar:
#00 org.opensearch.plugin:lang-mustache-client:jar:
#00 org.opensearch.plugin:mapper-extras-client:jar:
#00 org.opensearch.plugin:parent-join-client:jar:
#00 org.opensearch.plugin:rank-eval-client:jar:
#00 org.opensearch:opensearch:jar:
#00 org.opensearch:opensearch-cli:jar:
#00 org.opensearch:opensearch-core:jar:
#00 org.opensearch:opensearch-geo:jar:
#00 org.opensearch:opensearch-secure-sm:jar:
#00 org.opensearch:opensearch-x-content:jar:
#01 com.carrotsearch:hppc:jar:
#02 com.fasterxml.jackson.core:jackson-core:jar:
#03 com.fasterxml.jackson.dataformat:jackson-dataformat-cbor:jar:
#04 com.fasterxml.jackson.dataformat:jackson-dataformat-smile:jar:
#05 com.fasterxml.jackson.dataformat:jackson-dataformat-yaml:jar:
#06 com.tdunning:t-digest:jar:
#07 joda-time:joda-time:jar:
#08 net.java.dev.jna:jna:jar:
#09 net.sf.jopt-simple:jopt-simple:jar:
#10 org.apache.logging.log4j:log4j-api:jar:
#11 org.apache.logging.log4j:log4j-jul:jar:
#12 org.apache.lucene:lucene-analysis-common:jar:
#13 org.apache.lucene:lucene-backward-codecs:jar:
#14 org.apache.lucene:lucene-core:jar:
#15 org.apache.lucene:lucene-grouping:jar:
#16 org.apache.lucene:lucene-highlighter:jar:
#17 org.apache.lucene:lucene-join:jar:
#18 org.apache.lucene:lucene-memory:jar:
#19 org.apache.lucene:lucene-misc:jar:
#20 org.apache.lucene:lucene-queries:jar:
#21 org.apache.lucene:lucene-queryparser:jar:
#22 org.apache.lucene:lucene-sandbox:jar:
#23 org.apache.lucene:lucene-spatial3d:jar:

#24 org.apache.lucene:lucene-spatial-extras:jar:
#25 org.apache.lucene:lucene-suggest:jar:
#26 org.hdrhistogram:HdrHistogram:jar:
#27 com.github.spullara.mustache.java:compiler:jar:
#28 org.apache.httpcomponents:httpasyncclient:jar:
#29 org.apache.httpcomponents:httpclient:jar:
#30 org.apache.httpcomponents:httpcore:jar:
#31 org.apache.httpcomponents:httpcore-nio:jar:
#32 commons-codec:commons-codec:jar:
#33 commons-logging:commons-logging:jar:

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Fourth party #00 opensearch components

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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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Jean-Philippe Barrette-LaPierre. This library is available under an MIT license,
see <http://sites.google.com/site/rrettesite/moman> and

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The class org.apache.lucene.util.WeakIdentityMap was derived from
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The snowball stemmers in

`analysis/common/src/java/net/sf/snowball`

were developed by Martin Porter and Richard Boulton.

The snowball stopword lists in

`analysis/common/src/resources/org/apache/lucene/analysis/snowball`

were developed by Martin Porter and Richard Boulton.

The full snowball package is available from

<https://snowballstem.org/>

The KStem stemmer in

`analysis/common/src/org/apache/lucene/analysis/en`

was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)

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The Arabic,Persian,Romanian,Bulgarian, Hindi and Bengali analyzers (common) come with a default

stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:

`analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,`

`analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,`

`analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,`

`analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,`

`analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt,`

`analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt`

See <http://members.unine.ch/jacques.savoy/clef/index.html>.

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers

(common) are based on BSD-licensed reference implementations created by Jacques Savoy and

Ljiljana Dolamic. These files reside in:

`analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java`

`analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java`

`analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java`

`analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java`

`analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java`

`analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java`

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 analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
 analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
 analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
 analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java
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The Polish analyzer (stempel) comes with a default
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Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration

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#00 org.open-metadata:common:jar:
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#02 com.fasterxml.jackson.core:jackson-annotations:jar:
#03 com.fasterxml.jackson.core:jackson-databind:jar:
#04 com.fasterxml.jackson.dataformat:jackson-dataformat-yaml:jar:
#05 com.fasterxml.jackson.datatype:jackson-datatype-guava:jar:
#06 com.fasterxml.jackson.datatype:jackson-datatype-jdk8:jar:
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#08 com.fasterxml.jackson.datatype:jackson-datatype-jsr310:jar:
#09 com.fasterxml.jackson.jaxrs:jackson-jaxrs-base:jar:
#10 com.fasterxml.jackson.jaxrs:jackson-jaxrs-json-provider:jar:
#11 com.fasterxml.jackson.module:jackson-module-blackbird:jar:
#12 com.fasterxml.jackson.module:jackson-module-jaxb-annotations:jar:

#13 com.fasterxml.jackson.module:jackson-module-parameter-names:jar:
#14 com.fasterxml:classmate:jar:
#15 com.github.ben-manes.caffeine:caffeine:jar:
#16 com.google.code.findbugs:annotations:jar:
#17 com.google.code.findbugs:jsr305:jar:
#18 com.google.code.javaparser:javaparser:jar:
#19 com.google.errorprone:error_prone_annotations:jar:
#20 com.google.guava:failureaccess:jar:
#21 com.google.guava:guava:jar:
#22 com.google.guava:listenablefuture:jar:
#23 com.google.j2objc:j2objc-annotations:jar:
#24 commons-codec:commons-codec:jar:
#25 commons-io:commons-io:jar:
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#27 io.dropwizard.logback:logback-throttling-appender:jar:
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#44 jakarta.xml.bind:jakarta.xml.bind-api:jar:
#45 javax.validation:validation-api:jar:
#46 joda-time:joda-time:jar:

#47 org.apache.commons:commons-lang3:jar:
#48 org.checkerframework:checker-qual:jar:
#49 org.eclipse.jetty:jetty-io:jar:
#50 org.eclipse.jetty:jetty-util:jar:
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#53 org.glassfish.hk2:hk2-locator:jar:
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#77 com.github.java-json-tools:jackson-coreutils:jar:
#78 com.github.java-json-tools:jackson-coreutils-equivalence:jar:
#79 com.github.java-json-tools:json-patch:jar:
#80 com.github.java-json-tools:json-schema-core:jar:

#81 com.github.java-json-tools:json-schema-validator:jar:
#82 com.github.java-json-tools:msg-simple:jar:
#83 com.github.java-json-tools:uri-template:jar:
#84 com.github.scribejava:scribejava-apis:jar:
#85 com.github.scribejava:scribejava-core:jar:
#86 com.github.scribejava:scribejava-java8:jar:
#87 com.github.stephenc.jcip:jcip-annotations:jar:
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#89 com.google.auth:google-auth-library-oauth2-http:jar:
#90 com.google.auto.value:auto-value-annotations:jar:
#91 com.google.code.gson:gson:jar:
#92 com.google.http-client:google-http-client:jar:
#93 com.google.http-client:google-http-client-gson:jar:
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#110 io.opencensus:opencensus-contrib-http-util:jar:
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#112 io.swagger.core.v3:swagger-core:jar:
#113 io.swagger.core.v3:swagger-models:jar:
#114 io.swagger.parser.v3:swagger-parser:jar:

#115 io.swagger.parser.v3:swagger-parser-core:jar:
#116 io.swagger.parser.v3:swagger-parser-safe-url-resolver:jar:
#117 io.swagger.parser.v3:swagger-parser-v2-converter:jar:
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#135 org.openapitools:jackson-databind-nullable:jar:
#136 org.ow2.asm:asm:jar:
#137 org.yaml:snakeyaml:jar:
#138 com.sun.codemodel:codemodel:jar:
#139 javax.json.bind:javax.json.bind-api:jar:

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<https://github.com/eclipse-ee4j/injection-api> <https://github.com/eclipse-ee4j/injection-spec>
<https://github.com/eclipse-ee4j/injection-tck>

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Cryptography

None

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Fourth party #40 jakarta.json.bind:jakarta.json.bind-api:jar:

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Fourth party #41 jakarta.servlet:jakarta.servlet-api:jar:

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The specification repository

The API repository

The TCK repository

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JCommander - Apache License 2.0

SnakeYAML - Apache License 2.0

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javaee-api (7.0)

License: Apache-2.0 AND W3C

JUnit (4.11)

License: Common Public License 1.0

Mockito (2.16.0)

Project: <http://site.mockito.org>

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Fourth party #44 jakarta.xml.bind:jakarta.xml.bind-api:jar:

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ASM 7 (n/a)

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Source: <https://repository.ow2.org/nexus/#nexus-search;gav~org.ow2.asm~asm-commons~---kw,versionexpand>

JTHarness (5.0)

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Project: <https://wiki.openjdk.java.net/display/CodeTools/JT+Harness>

Source: <http://hg.openjdk.java.net/code-tools/jtharness/>

normalize.css (3.0.2)

License: MIT

SigTest (n/a)

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Fourth party #45 javax.validation:validation-api:jar:

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Fourth party #47 org.apache.commons:commons-lang3:jar:

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framework/src/main/java/org/jmlspecs/, and
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The following dependencies are EPL and ASL2.

* org.eclipse.jetty.orbit:javax.security.auth.message

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* java.sun.security.ssl

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* org.ow2.asm:asm

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* org.apache.tomcat:tomcat-jasper

* org.apache.tomcat:tomcat-juli

* org.apache.tomcat:tomcat-jsp-api

* org.apache.tomcat:tomcat-el-api

* org.apache.tomcat:tomcat-jasper-el

* org.apache.tomcat:tomcat-api

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

* org.apache.tomcat:tomcat-util

* org.mortbay.jasper:apache-el

* org.apache.tomcat:tomcat-jasper-el

* org.apache.tomcat:tomcat-el-api

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Fourth party #50 org.eclipse.jetty:jetty-util:jar:

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- * org.apache.tomcat:tomcat-jasper-el

- * org.apache.tomcat:tomcat-api

- * org.apache.tomcat:tomcat-util-scan
- * org.apache.tomcat:tomcat-util
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Fourth party #51 thro #54 org.glassfish.hk2 components

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<https://github.com/eclipse-ee4j/glassfish-logging-annotation-processor>

<https://github.com/eclipse-ee4j/glassfish-shoal>

<https://github.com/eclipse-ee4j/glassfish-cdi-porting-tck>

<https://github.com/eclipse-ee4j/glassfish-jsftemplating>

<https://github.com/eclipse-ee4j/glassfish-hk2-extra>

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Fourth party #55 thro #62 org.glassfish.jersey components

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Jackson JAX-RS Providers Version 2.14.1

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Project: <https://github.com/FasterXML/jackson-jaxrs-providers>

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jQuery Barcode plugin 0.3

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Project: <http://www.pasella.it/projects/jquery/barcode>

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Fourth party #63 org.glassfish:jakarta.el:jar:

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Source Code

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<https://github.com/jakartaee/rest>

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javaee-api (7.0)

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JUnit (4.11)

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Mockito (2.16.0)

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#01 com.fasterxml.jackson.core:jackson-core:jar:

#02 com.fasterxml.jackson.core:jackson-annotations:jar:

#03 com.fasterxml.jackson.core:jackson-databind:jar:
#04 com.fasterxml.jackson.dataformat:jackson-dataformat-yaml:jar:
#05 com.fasterxml.jackson.datatype:jackson-datatype-guava:jar:
#06 com.fasterxml.jackson.datatype:jackson-datatype-jdk8:jar:
#07 com.fasterxml.jackson.datatype:jackson-datatype-joda:jar:
#08 com.fasterxml.jackson.datatype:jackson-datatype-jsr310:jar:
#09 com.fasterxml.jackson.jaxrs:jackson-jaxrs-base:jar:
#10 com.fasterxml.jackson.jaxrs:jackson-jaxrs-json-provider:jar:
#11 com.fasterxml.jackson.module:jackson-module-blackbird:jar:
#12 com.fasterxml.jackson.module:jackson-module-jaxb-annotations:jar:
#13 com.fasterxml.jackson.module:jackson-module-parameter-names:jar:
#14 com.fasterxml.classmate:jar:
#15 com.github.ben-manes.caffeine:caffeine:jar:
#16 com.google.code.findbugs:annotations:jar:
#17 com.google.code.findbugs:jsr305:jar:
#18 com.google.code.javaparser:javaparser:jar:
#19 com.google.errorprone:error_prone_annotations:jar:
#20 com.google.guava:failureaccess:jar:
#21 com.google.guava:guava:jar:
#22 com.google.guava:listenablefuture:jar:
#23 com.google.j2objc:j2objc-annotations:jar:
#24 commons-codec:commons-codec:jar:
#25 commons-io:commons-io:jar:
#26 commons-lang:commons-lang:jar:
#27 io.dropwizard.logback:logback-throttling-appender:jar:
#28 io.dropwizard.metrics:metrics-annotation:jar:
#29 io.dropwizard.metrics:metrics-core:jar:
#30 io.dropwizard.metrics:metrics-jersey2:jar:
#31 io.dropwizard.metrics:metrics-logback:jar:
#32 io.dropwizard.dropwizard-jackson:jar:
#33 io.dropwizard.dropwizard-jersey:jar:
#34 io.dropwizard.dropwizard-logging:jar:
#35 io.dropwizard.dropwizard-util:jar:
#36 io.dropwizard.dropwizard-validation:jar:

#37 jakarta.activation:jakarta.activation-api:jar:
#38 jakarta.annotation:jakarta.annotation-api:jar:
#39 jakarta.inject:jakarta.inject-api:jar:
#40 jakarta.json.bind:jakarta.json.bind-api:jar:
#41 jakarta.servlet:jakarta.servlet-api:jar:
#42 jakarta.validation:jakarta.validation-api:jar:
#43 jakarta.ws.rs:jakarta.ws.rs-api:jar:
#44 jakarta.xml.bind:jakarta.xml.bind-api:jar:
#45 javax.validation:validation-api:jar:
#46 joda-time:joda-time:jar:
#47 org.apache.commons:commons-lang3:jar:
#48 org.checkerframework:checker-qual:jar:
#49 org.eclipse.jetty:jetty-io:jar:
#50 org.eclipse.jetty:jetty-util:jar:
#51 org.glassfish.hk2.external:aopalliance-repackaged:jar:
#52 org.glassfish.hk2:hk2-api:jar:
#53 org.glassfish.hk2:hk2-locator:jar:
#54 org.glassfish.hk2:hk2-utils:jar:
#55 org.glassfish.hk2:osgi-resource-locator:jar:
#56 org.glassfish.jersey.containers:jersey-container-servlet:jar:
#57 org.glassfish.jersey.containers:jersey-container-servlet-core:jar:
#58 org.glassfish.jersey.core:jersey-client:jar:
#59 org.glassfish.jersey.core:jersey-common:jar:
#60 org.glassfish.jersey.core:jersey-server:jar:
#61 org.glassfish.jersey.ext:jersey-metainf-services:jar:
#62 org.glassfish.jersey.inject:jersey-hk2:jar:
#63 org.glassfish:jakarta.el:jar:
#64 org.hibernate.validator:hibernate-validator:jar:
#65 org.javassist:javassist:jar:
#66 org.jboss.logging:jboss-logging:jar:
#67 org.jsonschema2pojo:jsonschema2pojo-core:jar:
#68 org.projectlombok:lombok:jar:
#69 org.slf4j:jcl-over-slf4j:jar:
#70 org.slf4j:jul-to-slf4j:jar:

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#71 org.slf4j:slf4j-api:jar:
#72 io.github.resilience4j:resilience4j-core:jar:
#73 io.github.resilience4j:resilience4j-retry:jar:
#74 javax.ws.rs:javax.ws.rs-api:jar:
#75 org.antlr:antlr4-runtime:jar:
#76 com.sun.codemodel:codemodel:jar:
#77 javax.json.bind:javax.json.bind-api:jar:
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Source: <https://github.com/mockito/mockito/releases/tag/v2.16.0>

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Project: <https://wiki.openjdk.java.net/display/CodeTools/JT+Harness>

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- * java.sun.security.ssl

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- * org.ow2.asm:asm

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- * org.apache.tomcat:tomcat-jasper

- * org.apache.tomcat:tomcat-juli

* org.apache.tomcat:tomcat-jsp-api
 * org.apache.tomcat:tomcat-el-api
 * org.apache.tomcat:tomcat-jasper-el
 * org.apache.tomcat:tomcat-api
 * org.apache.tomcat:tomcat-util-scan
 * org.apache.tomcat:tomcat-util
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 * org.apache.tomcat:tomcat-jasper-el
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- * org.eclipse.jetty.orbit:javax.security.auth.message

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- * java.sun.security.ssl

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- * org.ow2.asm:asm-commons

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The following dependencies are ASL2 licensed.

- * org.apache.taglibs:taglibs-standard-spec
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The following dependencies are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

- * org.mortbay.jasper:apache-jsp
- * org.apache.tomcat:tomcat-jasper
- * org.apache.tomcat:tomcat-juli
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- * org.apache.tomcat:tomcat-el-api
- * org.apache.tomcat:tomcat-jasper-el
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- * org.apache.tomcat:tomcat-util-scan
- * org.apache.tomcat:tomcat-util
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Fourth party #51 thro #54 org.glassfish.hk2 components

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<https://github.com/eclipse-ee4j/glassfish-ha-api>

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<https://github.com/eclipse-ee4j/glassfish-shoal>

<https://github.com/eclipse-ee4j/glassfish-cdi-porting-tck>

<https://github.com/eclipse-ee4j/glassfish-jsftemplating>

<https://github.com/eclipse-ee4j/glassfish-hk2-extra>

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Source Code

The project maintains the following source code repositories:

<https://github.com/jakartaee/rest>

Third-party Content

This project leverages the following third party content.

javaee-api (7.0)

License: Apache-2.0 AND W3C

JUnit (4.11)

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Mockito (2.16.0)

Project: <http://site.mockito.org>

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#02 org.xmlresolver:xmlresolver:jar:data:

#03 org.apache.httpcomponents.client5:httpclient5:jar:

#04 org.apache.httpcomponents.core5:httpcore5:jar:

#05 org.apache.httpcomponents.core5:httpcore5-h2:jar:

#06 org.slf4j:slf4j-api:jar:

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Fourth party #01, #02 org.xmlresolver:xmlresolver:jar: and xmlresolver:jar:data

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spring-aspects
- aspectjweaver
spring-beans
spring-context
spring-context-support
spring-core
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spring-jdbc
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spring-oxm
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spring-messaging

=====

aspectjweaver

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spring-integration-kafka

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Top level component - spring-integration-kafka 5.5.13

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Fourth party dependencies
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#02 org.springframework:spring-beans
#03 org.springframework:spring-context
#04 org.springframework:spring-core
#05 org.springframework:spring-jcl
#06 org.springframework:spring-messaging
#07 org.springframework:spring-tx
#08 org.springframework.kafka:spring-kafka
#09 org.springframework.retry:spring-retry
#10 io.projectreactor:reactor-core
#11 org.lz4:lz4-java
#12 org.apache.kafka:kafka-clients
#13 org.xerial.snappy:snappy-java
#14 com.jayway.jsonpath:json-path
#15 com.github.luben:zstd-jni
#16 org.ow2.asm:asm
#17 org.reactivestreams:reactive-streams
#18 org.slf4j:slf4j-api
#19 org.osgi:org.osgi.core
#20 com.google.code.findbugs:jsr305
#21 org.springframework.integration:spring-integration-core
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Fourth-party Dependencies from #01 to #07 (Spring Framework)
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* Alec Wysoker

* Performance and memory usage improvement

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Fourth party Dependencies:

org.slf4j:slf4j-api:jar:

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thymeleaf-extras-springsecurity6

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Top level component : thymeleaf-extras-springsecurity6:jar

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Fourth party dependencies

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#02 org.thymeleaf:thymeleaf:jar:

#03 org.attoparser:attoparser:jar:

#04 org.unbescape:unbescape:jar:

#05 org.slf4j:slf4j-api:jar:

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Fourth party #01, #02 org.thymeleaf:thymeleaf components

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#01 jakarta.xml.bind-api

#02 commons-codec

#03 slf4j-api

#04 woodstox-core

#05 stax2-api

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Joseph Reagle <<mailto:site-policy@w3.org>>

Last revised by Reagle \$Date: 2005-07-19 12:33:09 -0400 (Tue, 19 Jul 2005) \$

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Used By: XSLTC component of xml-xalan/java

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Integrated with Xalan-Java 2 and Xerces 2.

Source: <http://svn.apache.org/viewvc/xml/stylebook/>

Used by: Xalan-Java 2, Xalan-C++

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The following license applies to the jar file

rhino-1.7.14.jar - JavaScript implementation in Java

Source: <https://github.com/mozilla/rhino>

Used by: Xalan-Java 2's non Java extensions

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OWASP Java Encoder Project

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src/main/java/org/codehaus/stax2/typed/Base64Variant.java:

/* Stax2 extension for basic Stax API (JSR-173).

*

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Ryan Niemeyer, Technology: knockout-postbox

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6

Appendix A: Third-Party Files for Compliance Studio

This appendix lists the files used by third-party software tools used in the following FCCM application packs:

- Compliance Studio

Compliance Studio

The following table lists the third-party Jar files for Oracle Financial Services Compliance Studio (OFS CS):

Table 6-1 Table 12: Jar File Names

Jar File Name
antlr runtime.jar
antlr.jar
antlr4 runtime.jar
stringtemplate.jar
aopalliance.jar
Apache Tomcat.jar
commons-collections4.jar
commons-compress.jar
commons-configuration2.jar
commons-dbcp2.jar
commons-exec.jar
commons-lang3.jar
commons-math.jar
commons-pool2.jar
commons-text.jar
curator framework.jar
curator-recipes.jar
flink-sql-connector-kafka.jar
fluent-hc.jar
hadoop-common.jar
httpasyncclient.jar
httpclient.jar
httpclient5.jar
httpcore.jar
httpcore5.jar
httpcore-nio.jar
log4j-api.jar

Table 6-1 (Cont.) Table 12: Jar File Names

Jar File Name
log4j-core.jar
log4j-jcl.jar
log4j-jul.jar
log4j-slf4j-impl.jar
log4j-to-slf4j.jar
parquet-avro.jar
parquet-common.jar
sshd-common.jar
sshd-core.jar
tomcat-embed-core.jar
zeppelin-shell.jar
zeppelin.jar
zeppelin-common.jar
zeppelin-interpreter.jar
zeppelin-python.jar
aspectjweaver.jar
jep.jar
bcpq-fips.jar
bcpkix-jdk15on.jar
bcprov-jdk15on.jar
bcutil-jdk15on.jar
byte-buddy.jar
hppc.jar
cglib.jar
logback-access.jar
logback-classic.jar
logback-core.jar
reload4j.jar
fastdoubleparser.jar
checker-qual.jar
jettison.jar
stax2-api.jar
woodstox-core.jar
zstd-jni.jar
compiler.jar
jcip-annotations.jar
annotations.jar
gson.jar
guava.jar
guice.jar
protobuf-java.jar
protobuf-java-util.jar
re2j.jar

Table 6-1 (Cont.) Table 12: Jar File Names

Jar File Name
commons.jar
forms.jar
html2pdf.jar
io.jar
kernel.jar
layout.jar
styled-xml-parser.jar
svg.jar
unixsocket-common.jar
unixsocket-native-common.jar
maxmind-db.jar
json-sanitizer.jar
eureka-client.jar
hystrix-core.jar
netflix-eventbus.jar
netflix-infix.jar
netflix-statistics.jar
ribbon.jar
ribbon-core.jar
ribbon-eureka.jar
ribbon-httpclient.jar
ribbon-loadbalancer.jar
ribbon-transport.jar
spectator-api.jar
conda-env-mgmt-service.jar
okio-jvm.jar
evictor.jar
t-digest.jar
android-json.jar
commons-configuration2-jackson.jar
HikariCP.jar
commonmark ext autolink.jar
commonmark ext gfm strikethrough.jar
commonmark ext gfm tables.jar
commonmark ext heading anchor.jar
commonmark ext image attributes.jar
commonmark ext ins.jar
commonmark ext task list items.jar
commonmark ext yaml front matter.jar
commonmark.jar
commons-beanutils.jar
commons-cli.jar
commons-codec.jar

Table 6-1 (Cont.) Table 12: Jar File Names

Jar File Name
commons-collections.jar
commons-configuration.jar
commons-fileupload.jar
commons-io.jar
commons-jxpath.jar
commons-lang.jar
commons-logging.jar
commons-net.jar
commons-pool.jar
dnsjava.jar
apache jsp.jar
jetty alpn java server.jar
jetty alpn server.jar
jetty annotations.jar
jetty client.jar
jetty continuation.jar
jetty-http-11.0.21.jar
jetty-io-11.0.21.jar
jetty-jndi-11.0.21.jar
jetty-plus-11.0.21.jar
jetty-security-11.0.21.jar
jetty-server-11.0.21.jar
jetty-servlet-11.0.21.jar
jetty util ajax.jar
jetty-util-11.0.21.jar
jetty-webapp-11.0.21.jar
jetty-xml-11.0.21.jar
commonj sdo.jar
eclipselink.jar
aether.jar
classmate.jar
jackson-annotations.jar
jackson-core.jar
jackson-databind.jar
jackson-dataformat-cbor.jar
jackson-dataformat-smile.jar
jackson-dataformat-yaml.jar
jackson-datatype-jdk8.jar
jackson-datatype-jsr310.jar
jackson-jaxrs-base.jar
jackson-jaxrs-json-provider.jar
jackson-module-afterburner.jar
jackson-module-jaxb-annotations.jar

Table 6-1 (Cont.) Table 12: Jar File Names

Jar File Name
jackson-module-parameter-names.jar
freemarker.jar
error prone annotations.jar
failureaccess.jar
guava.jar
j2objc annotations.jar
j2objc annotations.jar
protobuf java.jar
gson.jar
failureaccess.jar
guava.jar
HdrHistogram.jar
hibernate commons annotations.jar
hibernate validator.jar
hibernate core.jar
icu4j.jar
micrometer core.jar
netty transport native unix common.jar
simpleclient common.jar
simpleclient tracer common.jar
metrics-core.jar
kubernetes-client.jar
kubernetes-client-api.jar
kubernetes-httpclient-okhttp.jar
kubernetes-model-admissionregistration.jar
kubernetes-model-apiextensions.jar
kubernetes-model-apps.jar
kubernetes-model-autoscaling.jar
kubernetes-model-batch.jar
kubernetes-model-certificates.jar
kubernetes-model-common.jar
kubernetes-model-coordination.jar
kubernetes-model-core.jar
kubernetes-model-discovery.jar
kubernetes-model-events.jar
kubernetes-model-extensions.jar
kubernetes-model-flowcontrol.jar
kubernetes-model-gatewayapi.jar
kubernetes-model-metrics.jar
kubernetes-model-networking.jar
kubernetes-model-node.jar
kubernetes-model-policy.jar
kubernetes-model-rbac.jar

Table 6-1 (Cont.) Table 12: Jar File Names

Jar File Name
kubernetes-model-resource.jar
kubernetes-model-scheduling.jar
kubernetes-model-storageclass.jar
zjsonpatch.jar
classgraph.jar
feign-form.jar
feign-form-spring.jar
feign-core.jar
feign-slf4j.jar
mxmlparser.jar
jjwt-api.jar
jjwt-impl.jar
jjwt-jackson.jar
micrometer-core.jar
micrometer-registry-prometheus.jar
netty-buffer.jar
netty-codec.jar
netty-codec-http.jar
netty-handler.jar
netty-resolver.jar
netty-transport.jar
netty-transport-classes-epoll.jar
netty-transport-native-unix-common.jar
reactor-extra.jar
reactor-core.jar
simpleclient tracer otel agent.jar
simpleclient tracer otel.jar
simpleclient.jar
rxjava.jar
rxjava.jar
rxnetty.jar
rxnetty-contexts.jar
rxnetty-servo.jar
swagger-annotations.jar
swagger-core.jar
swagger-models.jar
swagger-annotations.jar
capsule.jar
fastutil.jar
fastutil-core.jar
fastutil-extra.jar
jakarta annotation api.jar
jakarta transaction api.jar

Table 6-1 (Cont.) Table 12: Jar File Names

Jar File Name
jakarta websocket api.jar
javassist.jar
jaxen.jar
jboss-logging.jar
jandex.jar
kotlin stdlib jdk7.jar
kotlin stdlib jdk8.jar
kotlin stdlib.jar
annotations.jar
jline.jar
joda-time.jar
json.jar
jsoup.jar
LatencyUtils.jar
liquibase-core.jar
connection.jar
geoip2.jar
accessors-smart.jar
json-smart.jar
byte-buddy.jar
jopt-simple.jar
py4j.jar
java-support.jar
archaius core.jar
servo core.jar
util.jar
content-type.jar
lang-tag.jar
oauth2 oidc sdk.jar
opencsv.jar
opensaml messaging api.jar
opensaml profile api.jar
opensaml saml api.jar
opensaml security api.jar
opensaml security impl.jar
opensaml soap api.jar
opensaml soap impl.jar
opensaml storage api.jar
opensaml xmlsec api.jar
opensaml xmlsec impl.jar
opensaml-core.jar
opensaml-saml-impl.jar
analysis icu client.jar

Table 6-1 (Cont.) Table 12: Jar File Names

Jar File Name
analysis phonetic.jar
analysis.jar
cli.jar
client.jar
common.jar
dashboards.jar
dissect.jar
geo.jar
geometry.jar
grok.jar
index.jar
ingest.jar
join.jar
painless.jar
percolator.jar
plugins.jar
script.jar
search.jar
secure sm.jar
systemd.jar
tools.jar
transport.jar
upgrade.jar
avro.jar
commons-collections4.jar
commons-math3.jar
commons-vfs2.jar
hadoop-annotations.jar
hadoop-auth.jar
hadoop-hdfs-client.jar
hadoop-mapreduce-client-common.jar
hadoop-mapreduce-client-core.jar
hadoop-mapreduce-client-jobclient.jar
hadoop-yarn-api.jar
hadoop-yarn-client.jar
hadoop-yarn-common.jar
httpclient5-fluent.jar
httpcore5.jar
httpcore5-h2.jar
kerb-admin.jar
kerb-client.jar
kerb-common.jar
kerb-core.jar

Table 6-1 (Cont.) Table 12: Jar File Names

Jar File Name
kerb-crypto.jar
kerb-identity.jar
kerb-server.jar
kerb-simplekdc.jar
kerb-util.jar
kerby-asn1.jar
kerby-config.jar
kerby-pkix.jar
kerby-util.jar
kerby-xdr.jar
token-provider.jar
lucene-analysis-common.jar
lucene-analysis-icu.jar
lucene-analysis-phonetic.jar
lucene-backward-codecs.jar
lucene-core.jar
lucene-expressions.jar
lucene-grouping.jar
lucene-highlighter.jar
lucene-join.jar
lucene-memory.jar
lucene-misc.jar
lucene-queries.jar
lucene-queryparser.jar
lucene-sandbox.jar
lucene-spatial3d.jar
lucene-spatial-extras.jar
lucene-suggest.jar
parquet-encoding.jar
parquet-format-structures.jar
xmlsec.jar
libthrift.jar
tomcat-embed-el.jar
tomcat-embed-jasper.jar
tomcat-embed-websocket.jar
audience-annotations.jar
spark-scala-2.11.jar
spark-scala-2.12.jar
zeppelin-jupyter-interpreter.jar
bc-fips.jar
checker-qual.jar
checker-qual.jar
animal-sniffer-annotations.jar

Table 6-1 (Cont.) Table 12: Jar File Names

Jar File Name
ecj.jar
http2-common.jar
http2-hpack.jar
http2-server.jar
jetty-jakarta-servlet-api-5.0.2.jar
websocket-api.jar
websocket-client.jar
websocket-common.jar
graal-sdk.jar
javassist.jar
annotations.jar
jcodings.jar
joni.jar
jts-core.jar
spatial4j.jar
apache-el.jar
apache-jsp.jar
autolink.jar
asm.jar
reactive-streams.jar
slf4j-api.jar
spring-data-commons.jar
spring-data-jdbc.jar
spring-data-jpa.jar
spring-data-relational.jar
spring-security-rsa.jar
snappy-java.jar
asm analysis.jar
asm util.jar
asm.jar
asm.jar
asm-commons.jar
asm-tree.jar
esapi.jar
unix.jar
quartz jobs.jar
quartz.jar
reactive streams.jar
scala java8 compat 2 13.jar
scala-library.jar
jcl-over-slf4j.jar
jcl-over-slf4j.jar
jul-to-slf4j.jar

Table 6-1 (Cont.) Table 12: Jar File Names

Jar File Name
slf4j api.jar
slf4j-simple.jar
snakeyaml engine.jar
argparse4j.jar
springdoc openapi common.jar
springdoc openapi webmvc core.jar
springdoc-openapi-ui.jar
spring boot actuator autoconfigure.jar
spring boot actuator.jar
spring boot autoconfigure.jar
spring boot configuration metadata.jar
spring boot jarmode layertools.jar
spring boot properties migrator.jar
spring boot.jar
spring cloud commons.jar
spring cloud config client.jar
spring cloud context.jar
spring cloud loadbalancer.jar
spring cloud openfeign core.jar
spring data commons.jar
spring data jpa.jar
spring integration core.jar
spring integration jdbc.jar
spring ldap core.jar
spring retry.jar
spring security config.jar
spring security core.jar
spring security crypto.jar
spring security ldap.jar
spring security web.jar
spring aspects.jar
spring-core.jar
spring orm.jar
spring-aop.jar
spring-aspects.jar
spring-beans.jar
spring-context.jar
spring-context-support.jar
spring-expression.jar
spring-jcl-5.3.34.jar
spring-jdbc.jar
spring-messaging.jar
spring-orm.jar

Table 6-1 (Cont.) Table 12: Jar File Names

Jar File Name
spring-test.jar
spring-tx.jar
spring-web.jar
spring-webmvc.jar
spring-websocket.jar
SPRING FRAMEWORK.jar
logging-interceptor.jar
okhttp.jar
xstream.jar
akka actor 2 13.jar
config.jar
webjars-locator-core.jar
xercesImpl.jar
xml-apis.jar
xmllpull.jar
snakeyaml.jar
Bayesian Optimization.jar
ELIS.jar
Imbalanced learn.jar
PDPbox.jar
Pyspark.jar
SHAP.jar
hyperopt.jar
jaro-winkler.jar
matplotlib.jar
minisom.jar
numpy.jar
oracledb.jar
packaging.jar
pandas.jar
py4j.jar
pyod.jar
pyparsing.jar
python-Levenshtein.jar
python-dateutil.jar
pytz.jar
pyx-DamerauLevenshtein.jar
requests.jar
scikit-learn.jar
scikit-optimize.jar
scipy.jar
seaborn.jar
six.jar

Table 6-1 (Cont.) Table 12: Jar File Names

Jar File Name
sqlalchemy.jar
statsmodels.jar
textdistance.jar
xgboost.jar
Cython.jar
EditDistance
NumPy
Pyjnius