

Oracle Financial Services Analytical Applications Modern Risk and Finance

Licensing Information User Manual

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Financial Services

OFSAA MRF Licensing Information User Manual

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Document Control

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

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1 Licensing Information

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2 Product Family – Platform

This section includes licensing information for:

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

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

Products	Licensing Description
<p>Each Oracle Financial Services Advanced Analytical Applications Infrastructure (OFS AAAI) application pack includes the following products:</p> <ul style="list-style-type: none"> • Analytical Applications Infrastructure • Big Data Processing • Enterprise Modeling • OFS Analytical Applications Infrastructure Extension Pack <p>Each Oracle Financial Services Analytical Applications Infrastructure Extension Pack (OFS AAIEP) application pack includes the following products:</p> <ul style="list-style-type: none"> • Oracle Financial Services Analytical Applications Infrastructure Extension Pack 	<ul style="list-style-type: none"> • Prerequisites <ul style="list-style-type: none"> ○ Operating System <ul style="list-style-type: none"> — Oracle Linux or Red Hat Enterprise Linux (x86-64) ○ Java Runtime Environment <ul style="list-style-type: none"> — Oracle Linux or Red Hat Enterprise Linux ○ Oracle Database Server and Client ○ OLAP <ul style="list-style-type: none"> — Oracle Hyperion Essbase ○ Web Application Server <ul style="list-style-type: none"> — WebLogic — WebSphere — Apache Tomcat • Oracle Stack Libraries used in the application pack <p>None</p> • Third-party software tools used in the application pack <ul style="list-style-type: none"> ○ Apache 2.0 <ul style="list-style-type: none"> — Apache Ant 1.10.7 — Apache FOP 2.3 — Apache POI 4.1.1 — cglib 3.2.12 — commons-beanutils 1.9.4 — commons-codec 1.13 — commons-collections 4.4 — commons-dbcp 2.7.0 — commons-fileupload 1.4 — commons-io 2.6 — commons-lang 3.8.1

Products	Licensing Description
	<ul style="list-style-type: none"> — commons-logging 1.2-0548efb — commons-pool 2.7.0 — commons-vfs 2.4.1 — FreeMarker 2.3.29 — Guava 28.2 — Hadoop 3.1.1-1 — Hive 3.1.1 — jackson-databind 2.11.1 — JWT 0.11.1 — joda-time 2.10.1 — Kafka 2.3.1 — Log4J 1.2.17-16 — Log4J 2.12.1 — mousetrap 1.6.3 — POI 4.1.1 — Scala 2.13.0 — Spark 2.4.3 — sqoop 1.4.7 — The OWASP Zed Attack Proxy (ZAP) 2.8.0 — Xerces2 Java 2.12.0 — xmlbeans 3.1.0 — CKEditor 4.13.0 ○ EPL 1.0 <ul style="list-style-type: none"> — JUnit 5.4.2 ○ Jason Hunter & Brett McLaughlin <ul style="list-style-type: none"> — JDOM 2.0.6 ○ MIT <ul style="list-style-type: none"> — Font Awesome 5.11.2 — jQuery 3.5.1 — raphael 2.3.0 ○ SIL <ul style="list-style-type: none"> — Font Awesome 5.11.2 ○ 2-Clause BSD <ul style="list-style-type: none"> — stax2-api 4.2 ○ 3-Clause BSD <ul style="list-style-type: none"> — Enterprise Security API (ESAPI) 2.2.0.0 — OWASP Java Encoder Project 1.2.2

2.2 Oracle Financial Services Model Management and Governance

Products	Licensing Description
<p>Each Oracle Financial Services Model Management and Governance (OFS MMG) application includes the following products:</p> <ul style="list-style-type: none"> • Oracle Financial Services Analytical Applications Infrastructure • Oracle Financial Services Model Management and Governance 	<ul style="list-style-type: none"> • Prerequisites <ul style="list-style-type: none"> ○ Operating System <ul style="list-style-type: none"> — Oracle Linux / Red Hat Enterprise Linux (x86-64) — Oracle Solaris(SPARC) — Shell ○ Java Runtime Environment <ul style="list-style-type: none"> — Oracle Linux / Red Hat Enterprise Linux — Oracle Solaris ○ Oracle Database Server and Client ○ OLAP <ul style="list-style-type: none"> — Oracle Hyperion Essbase — Oracle OLAP ○ Web Server/ Web Application Server <ul style="list-style-type: none"> — WebLogic — WebSphere — Apache Tomcat ○ Oracle Labs Data Studio 20.2.2 • Oracle Stack Libraries used in the application pack <ul style="list-style-type: none"> ○ None • Third party software tools used in the application pack <ul style="list-style-type: none"> ○ None • Third party software tools used in Oracle Labs Data Studio <ul style="list-style-type: none"> ○ ACE Code Editor for the Web 1.4.8 ○ Commons IO 2.6 ○ Commons Lang 3.10 ○ D3 5.15.0 ○ JavaScript Extension Toolkit (JET) 9.0.0 ○ Kubernetes & OpenShift Java Client 4.9.0 ○ Liquibase 3.6.3 ○ Log4J 2.13.3 ○ STOMP.js 5.4.2 ○ Simple Logging Facade for Java (SLF4J) 1.7.30 ○ SockJS client 1.4.0 ○ Spring Boot 2.1.12 ○ Spring Retry 1.2.5 ○ Springfox 2.9.2 ○ Thrift 0.13.0

Products	Licensing Description
	<ul style="list-style-type: none"> ○ Zeppelin 0.8.2 ○ Bluebird 3.7.2 ○ commonmark-java 0.15.1 ○ dagre 0.8.5 ○ fetch 3.4.0 ○ fuse.js 3.4.6 ○ guava 29.0-jre ○ jQuery 3.5.1 ○ jackson-databind 2.11.1 ○ jackson-dataformat-yaml 2.10.1 ○ jackson-datatype-jsr310 2.10.1 ○ jackson-module-afterburner 2.10.1 ○ jackson-module-parameter-names 2.10.1 ○ lodash version 4.17.15 ○ mapbox-gl-js 1.10 ○ pip 19.2.3 ○ py4j 0.10.9 ○ swagger-ui 3.25.4 ○ three.js 0.112.1 <p>See Third Party Tools used in Oracle Labs Data Studio for information of third party tools used in Oracle Labs Data Studio and the respective licensing information.</p>

3 Product Family - Risk and Finance

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

Topics:

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

3.1 Oracle Financial Services Asset Liability Management Application Pack

Products	Licensing Description
<p>Each Oracle Financial Services Asset and Liability Management (OFSALM) application pack includes the following products:</p> <ul style="list-style-type: none"> • Oracle Financial Services Analytical Applications Infrastructure (OFS AAI) • Oracle Financial Services Asset Liability Management (OFS ALM) • Oracle Financial Services Asset Liability Management Analytics (OFS ALMBI) 	<ul style="list-style-type: none"> • Prerequisites <ul style="list-style-type: none"> ○ Operating System <ul style="list-style-type: none"> — Oracle Linux or Red Hat Enterprise Linux (x86-64) — Oracle Solaris(SPARC) — Shell ○ Java Runtime Environment <ul style="list-style-type: none"> — Oracle Linux or Red Hat Enterprise Linux — Oracle Solaris ○ Oracle Database Server and Client ○ OLAP <ul style="list-style-type: none"> — Oracle Hyperion Essbase — Oracle OLAP ○ Web Server or Web Application Server <ul style="list-style-type: none"> — WebLogic — WebSphere — Apache Tomcat • Third party software tools used in the application pack <ul style="list-style-type: none"> ○ JExcel 3.6.1

3.2 Oracle Financial Services Balance Sheet Planning Pack

Products	Licensing Description
<p>Each Oracle Financial Services Balance Sheet Planning (OFS BSP) application pack includes the following product:</p> <ul style="list-style-type: none"> ● Oracle Financial Services Balance Sheet Planning (OFS BSP) 	<ul style="list-style-type: none"> ● Prerequisites <ul style="list-style-type: none"> ○ Operating System <ul style="list-style-type: none"> — Oracle Linux or Red Hat Enterprise Linux (x86-64) — Oracle Solaris(SPARC) ○ Java Runtime Environment <ul style="list-style-type: none"> — Oracle Linux or Red Hat Enterprise Linux — Oracle Solaris ○ Oracle Database Server and Client ○ Web Application Server <ul style="list-style-type: none"> — WebLogic — WebSphere — Apache Tomcat ● Third party software tools used in the application pack <ul style="list-style-type: none"> ○ JExcel 3.6.1

3.3 Oracle Financial Services Insurance Accounting Analyzer Pack

Products	Licensing Description
<p>Each Oracle Financial Services Insurance Accounting Analyzer (OFS IIA) Pack application pack includes the following product:</p> <ul style="list-style-type: none"> ● Insurance Accounting Analyzer 	<ul style="list-style-type: none"> ● Prerequisites <ul style="list-style-type: none"> ○ Operating System ○ Java Runtime Environment ○ Oracle Database Server and Client ○ OLAP ○ Web Server or Web Application Server ○ Desktop Requirements ○ Directory Services ● Third party software tools used in the application pack <ul style="list-style-type: none"> ○ OBIEE or OAS ○ jsPDF- AutoTable - (3.2.5) ○ jExcel (1.5.1) ○ jsPDF (1.5.3)

Products	Licensing Description
	<ul style="list-style-type: none"> ○ MathJax (3.0.0)

3.1 Oracle Financial Services Hedge Management and IFRS Valuations

Products	Licensing Description
<p>Each Oracle Financial Services Hedge Management and IFRS Valuations application pack includes the following products:</p> <ul style="list-style-type: none"> ● Oracle Financial Services Hedge Management and IFRS Valuations 	<ul style="list-style-type: none"> ● Prerequisites <ul style="list-style-type: none"> ○ Operating System ○ Java Runtime Environment ○ Oracle Database Server and Client ○ OLAP ○ Web Server or Web Application Server ○ Desktop Requirements ○ Directory Services ● Third party software tools used in the Application Pack <ul style="list-style-type: none"> ○ None

3.2 Oracle Financial Services Liquidity Risk Solution Pack

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

3.3 Oracle Financial Services Market Risk Measurement and Management Application Pack

Products	Licensing Description
<p>Each Oracle Financial Services Market Risk Measurement and Management (OFS MRMM) applications pack includes the following product:</p>	<ul style="list-style-type: none"> • Prerequisites <ul style="list-style-type: none"> ○ Operating System ○ Java Runtime Environment ○ Oracle Database Server and Client ○ OLAP

Products	Licensing Description
<ul style="list-style-type: none"> ● Oracle Financial Services Market Risk Measurement and Management 	<ul style="list-style-type: none"> ○ Web Server or Web Application Server ○ Desktop Requirements ○ Directory Services ● Third party software tools used in the application pack <ul style="list-style-type: none"> ○ CAS 4.1.0

3.4 Oracle Financial Services Profitability Applications Pack

Products	Licensing Description
<p>Each Oracle Financial Services Profitability (OFS PFT) application pack includes the following products:</p> <ul style="list-style-type: none"> ● Oracle Financial Services Analytical Applications Infrastructure (OFS AAI) ● Oracle Financial Services Funds Transfer Pricing (OFS FTP) ● Oracle Financial Services Profitability Management (OFS PFT) ● Oracle Financial Services Institutional Performance Analytics (OFS IPA) ● Oracle Financial Services Retail Performance Analytics (OFS RPA) ● Oracle Financial Services Enterprise Financial Performance Analytics (OFS EFPA) 	<ul style="list-style-type: none"> ● Prerequisites <ul style="list-style-type: none"> ○ Operating System <ul style="list-style-type: none"> — Oracle Linux or Red Hat Enterprise Linux (x86-64) — Oracle Solaris(SPARC) — Shell ○ Java Runtime Environment <ul style="list-style-type: none"> — Oracle Linux or Red Hat Enterprise Linux — Oracle Solaris ○ Oracle Database Server and Client ○ OLAP <ul style="list-style-type: none"> — Oracle Hyperion Essbase — Oracle OLAP ○ Web Application Server <ul style="list-style-type: none"> — WebLogic — WebSphere — Apache Tomcat ● Third party software tools used in the application pack <ul style="list-style-type: none"> ○ D3 (d3.js) 5.4.0 ○ Rgraph 4.67 ○ jQuery 3.5.1

3.5 Oracle Insurance Allocation Manager for Enterprise Profitability Application Pack

Products	Licensing Description
<p>Each Oracle Insurance Allocation Manager for Enterprise Profitability application pack includes the following product:</p> <ul style="list-style-type: none"> ● Oracle Insurance Allocation Manager for Enterprise Profitability 	<ul style="list-style-type: none"> ● Prerequisites <ul style="list-style-type: none"> ○ Operating System <ul style="list-style-type: none"> — Oracle Linux or Red Hat Enterprise Linux (x86-64) — Oracle Solaris(SPARC) — Shell ○ Java Runtime Environment <ul style="list-style-type: none"> — Oracle Linux or Red Hat Enterprise Linux — Oracle Solaris ○ Oracle Database Server and Client ○ OLAP <ul style="list-style-type: none"> — Oracle Hyperion Essbase — Oracle OLAP ○ Web Application Server <ul style="list-style-type: none"> — WebLogic — WebSphere — Apache Tomcat ● Third party software tools used in the application pack <ul style="list-style-type: none"> ○ None

3.6 Oracle Financial Services Capital Adequacy Application Pack

Products	Licensing Description
<p>Each Oracle Financial Services Capital Adequacy (OFS CAPADQ) application pack includes the following products:</p> <ul style="list-style-type: none"> ● Oracle Financial Services Basel Regulatory Capital Basic ● Oracle Financial Services Basel Regulatory Capital Internal Ratings Based Approach ● Oracle Financial Services Basel Regulatory Capital Analytics 	<ul style="list-style-type: none"> ● Prerequisites <ul style="list-style-type: none"> ○ Operating System ○ Java Runtime Environment ○ Oracle Database Server and Client ○ OLAP ○ Web Server or Web Application Server ○ Desktop Requirements ○ Directory Services ● Third party software tools used in the Application Pack <ul style="list-style-type: none"> ○ Apache Log4j 2.12.1

Products	Licensing Description
	<ul style="list-style-type: none"> ○ Jackson Databind 2.11.1

3.7 Oracle Financial Services Loan Loss Forecasting and Provisioning

Products	Licensing Description
<p>Each Oracle Financial Services Loan Loss Forecasting and Provisioning (OFS LLFP) application includes the following product:</p> <ul style="list-style-type: none"> ● Oracle Financial Services Loan Loss Forecasting and Provisioning 	<ul style="list-style-type: none"> ● Prerequisites <ul style="list-style-type: none"> ○ Operating System ○ Java Runtime Environment ○ Oracle Database Server and Client ○ OLAP ○ Web Server/ Web Application Server ○ Desktop Requirements ○ Directory Services ● Third party software tools used in the Application Pack <ul style="list-style-type: none"> ○ None

4 Product Family - Data Management

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

Topics:

- [Oracle Financial Services Data Foundation Pack](#)
- [Oracle Financial Services Balance Computation Engine Application](#)
- [Oracle Financial Services Data Integration Hub Pack](#)
- [Oracle Financial Services Analytical Applications Reconciliation Framework Pack](#)

4.1 Oracle Financial Services Data Foundation Pack

Products	Licensing Description
<p>Each Oracle Financial Services Data Foundation (OFSDF) application pack includes the following products:</p> <ul style="list-style-type: none"> • Oracle Financial Services Analytical Applications Infrastructure (OFS AAI) • Oracle Financial Services Data Foundation (OFSDF) 	<ul style="list-style-type: none"> • Prerequisites <ul style="list-style-type: none"> ○ Operating System <ul style="list-style-type: none"> — Oracle Linux or Red Hat Enterprise Linux (x86-64) — Oracle Solaris (SPARC) ○ Java Runtime Environment <ul style="list-style-type: none"> — Oracle Linux or Red Hat Enterprise Linux — Oracle Solaris ○ Oracle Database Server and Client ○ Web Application Server <ul style="list-style-type: none"> — WebLogic — WebSphere — Apache Tomcat • Third-party software tools used in the application pack <ul style="list-style-type: none"> ○ commons-lang-2.6.jar ○ jackson-databind- 2.11.1

4.2 Oracle Financial Services Balance Computation Engine Application

Products	Licensing Description
Oracle Financial Services Balance Computation Engine	<ul style="list-style-type: none"> • Prerequisites <ul style="list-style-type: none"> ○ Operating System ○ Java Runtime Environment ○ Oracle Database Server and Client ○ OLAP ○ Web Server or Web Application Server ○ Desktop Requirements ○ Directory Services • Third-party software tools used in the application None

4.3 Oracle Financial Services Data Integration Hub Pack

Products	Licensing Description
<p>Each Oracle Financial Services Data Integration (OFS DIH) application pack includes the following products:</p> <ul style="list-style-type: none"> • Oracle Financial Services Data Integration • Oracle Financial Services Oracle Fusion Accounting Hub Interface • Oracle Financial Services Oracle FLEXCUBE Interface • Oracle Financial Services Oracle Data Relationship Management Interface • Oracle Financial Services Oracle Banking Platform Interface 	<ul style="list-style-type: none"> • Prerequisites <ul style="list-style-type: none"> ○ Operating System ○ Java Runtime Environment ○ Oracle Database Server and Client ○ Oracle Data Integrator ○ Web Server or Web Application Server ○ Desktop Requirements ○ Directory Services • Third party software tools used in the application pack <ul style="list-style-type: none"> ○ Apache (Log4J (2.12.1) ○ Jackson-databind (2.11.1) ○ Apache POI (4.1.1) ○ Jersey (2.2.5) ○ oracle.ucm.fa_client_11.1.1.jar

4.4 Oracle Financial Services Analytical Applications Reconciliation Framework Pack

Products	Licensing Description
<p>Each Oracle Financial Services Analytical Applications Reconciliation Framework Pack includes the following application:</p> <ul style="list-style-type: none"> • Oracle Financial Services Analytical Applications Reconciliation Framework 	<ul style="list-style-type: none"> • Prerequisites <ul style="list-style-type: none"> ○ Operating System ○ Java Runtime Environment ○ Oracle Database Server and Client ○ OLAP ○ Web Server/ Web Application Server ○ Desktop Requirements ○ Directory Services • Third party software tools used in the application pack <ul style="list-style-type: none"> ○ Log4J (2.12.1) ○ XWork 2.3.16.3 ○ Commons-lang3 (3.1) ○ Commons-beanutils-1.8.3)

5 Product Family - Regulatory Reporting

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

Topics:

- [OFS Regulatory Reporting for European Banking Authority](#)
- [OFS Regulatory Reporting for US Federal Reserve-Lombard Risk Integration Pack](#)
- [OFS AgileReporter Application Pack](#)

5.1 OFS Regulatory Reporting for European Banking Authority

Products	Licensing Description
<p>Each Oracle Financial Services Regulatory Reporting for European Banking Authority (OFS AGILE RP EBA) application pack includes the following product:</p> <ul style="list-style-type: none"> • Oracle Financial Services AgileREPORTER Application 	<ul style="list-style-type: none"> • Prerequisites <ul style="list-style-type: none"> ○ Operating System ○ Java Runtime Environment ○ Oracle Financial Services Data Foundation 8.1.0.0.0 Application Pack ○ Oracle Financial Services AgileREPORTER Application 8.0.9.1.0 ○ Oracle Database Server and Client ○ OLAP ○ Web Server or Web Application Server ○ Desktop Requirements ○ Directory Services • Third party software tools used in the application pack <ul style="list-style-type: none"> ○ Apache (Log4J (2.12.1)) ○ Jackson-databind (2.11.1) ○ Apache POI (4.1.1)

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

Products	Licensing Description
<p>Oracle Financial Services Regulatory Reporting for US Federal Reserve-Lombard Risk Integration Pack (OFS REG USFED) application pack includes the following product:</p> <ul style="list-style-type: none"> • Oracle Financial Services Regulatory Reporting for US 	<ul style="list-style-type: none"> • Prerequisites <ul style="list-style-type: none"> ○ Operating System ○ Java Runtime Environment ○ Oracle Financial Services Data Foundation 8.1.0.0.0 Application Pack ○ Lombard AgileREPORTER

Products	Licensing Description
<p>Federal Reserve-Lombard Risk Integration</p>	<ul style="list-style-type: none"> ○ Oracle Database Server and Client ○ OLAP ○ Web Server or Web Application Server ○ Desktop Requirements ○ Directory Services ● Third party software tools used in the application pack <ul style="list-style-type: none"> ○ Lombard AgileREPORTER ○ Apache Log4J (2.12.1) ○ Jackson-databind (2.11.1) ○ Apache POI (4.1.1)

5.3 OFS AgileReporter Application Pack

Products	Licensing Description
<p>Each Oracle Financial Services AgileREPORTER (OFS AgileREPORTER) application pack includes the following product:</p> <ul style="list-style-type: none"> ● Vermeg Reporting Portal 	<ul style="list-style-type: none"> ● Prerequisites <ul style="list-style-type: none"> ○ Operating System ○ Java Runtime Environment ○ Oracle Financial Services Data Foundation 8.1.0.0.0 Application Pack ○ Oracle Database Server and Client ○ OLAP ○ Web Server or Web Application Server ○ Desktop Requirements ○ Directory Services ● Third party software tools used in the application pack <ul style="list-style-type: none"> ○ Vermeg Reporting Portal

6 Product Family - Insurance Data Foundation

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

Topics:

- [Oracle Insurance Data Foundation Pack](#)

6.1 Oracle Insurance Data Foundation Pack

Products	Licensing Description
<p>Each Oracle Insurance Data Foundation (OIDF) application pack includes the following products:</p> <ul style="list-style-type: none"> • Oracle Financial Services Analytical Applications Infrastructure (OFS AAI) • Oracle Insurance Data Foundation (OIDF) 	<ul style="list-style-type: none"> • Prerequisites <ul style="list-style-type: none"> ○ Operating System <ul style="list-style-type: none"> — Oracle Linux or Red Hat Enterprise Linux (x86-64) — Oracle Solaris (SPARC) ○ Java Runtime Environment <ul style="list-style-type: none"> — Oracle Linux or Red Hat Enterprise Linux — Oracle Solaris ○ Oracle Database Server and Client ○ Web Application Server <ul style="list-style-type: none"> — WebLogic — WebSphere — Apache Tomcat • Third-party software tools used in the application pack <ul style="list-style-type: none"> ○ commons-lang-2.6.jar ○ jackson-databind- 2.11.1

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```
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```

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```

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8.14 Ryan Niemeyer, Technology: knockout-postbox

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• commonmark-java	• lodash
• Commons IO	• Log4J
• Commons Lang	• mapbox-gl-js
• D3	• pip
• dagre	• Py4j
• fetch	• Simple Logging Facade for Java (SLF4J)
• fuse.js	• SockJS client
• guava	• Spring Boot
• jackson-databind	• Spring Retry
• jackson-dataformat-yaml	• Springfox
• jackson-datatype-jsr310	• STOMP.js
• jackson-module-afterburner	• swagger-ui
• jackson-module-parameter-names	• three.js
• JavaScript Extension Toolkit (JET)	• Thrift
• jQuery	• Zeppelin

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8.15.5 JavaScript Extension Toolkit (JET)

Oracle JET

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js/libs/touchr/touchr.js		MIT
js/libs/oj/v9.0.0/min/ojvcomponent.js (petit-dom.js)		MIT

```
/*!
```

```
* chai
```

```
* Copyright(c) 2011-2014 Jake Luer <jake@alogicalparadox.com>
```

```
* MIT Licensed
```

```
*/
```

```
/*
```

```
* expression-eval - v2.0.0
```

```
* https://github.com/donmccurdy/expression-eval
```

```
* Copyright (c) 2017 Don McCurdy
```

* Licensed under the MIT license

*/

/*

* jsep - v0.3.4

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

* Copyright (c) 2013 Stephen Oney, <http://jsep.from.so/>

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*/

/*!

Knockout Fast Foreach v0.6.0 (2016-07-28T11:02:54.197Z)

By: Brian M Hunt (C) 2015 | License: MIT

*/

/*

* petit-dom - v0.2.2

* <https://github.com/yelouafi/petit-dom>

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/**

* webcomponents/custom-elements - v1.1.2

*

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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>

* Copyright (C) 2013 Guy Bedford;

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*/

/*! Hammer.JS - v2.0.8 - 2016-04-22

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

*

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*/

Normalize.scss

Copyright (c) Nicolas Gallagher and Jonathan Neal

/*

RequireJS i18n 2.0.2 Copyright (c) 2010-2012, The Dojo Foundation All Rights Reserved.

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

*/

/* This component is based on original code from:

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

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*/

ES6-Promise

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```
/*! jQuery UI - v1.12.1 - 2015-03-18  
* http://jqueryui.com  
* Includes: core.js, widget.js, mouse.js, position.js, draggable.js, sortable.js  
* Copyright 2015 jQuery Foundation and other contributors; Licensed MIT */
```

```
/*!  
* jQuery JavaScript Library v3.5.1  
* http://jquery.com/  
*  
* Includes Sizzle.js  
* http://sizzlejs.com/
```


*

* Copyright 2005, 2014 jQuery Foundation, Inc. and other contributors

* Released under the MIT license

* <http://jquery.org/license>

*

* Date: 2014-12-18T15:11Z

*/

/** @license

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

* Released under the MIT license

* Author: Miller Medeiros

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

*/

/**

* @license RequireJS text 2.0.12 Copyright (c) 2010-2014, The Dojo Foundation All Rights Reserved.

* Available via the MIT or new BSD license.

* see: <http://github.com/requirejs/text> for details

*/

/*

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see: <http://github.com/jrburke/requirejs> for details

*/

/*!

* Knockout JavaScript library v3.5.1

* (c) Steven Sanderson - <http://knockoutjs.com/>

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*/

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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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8.15.9 STOMP.js

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8.15.11 SockJS client

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SockJS client - dependencies

debug v. 3.2.5

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url-parse

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querystringify

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faye-websocket

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websocket-driver

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http-parser-js

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Some files from the tests folder are from joyent/node and mscdex/io.js, a fork of nodejs/io.js:

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

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tests/fixtures/* tests/parallel/* tests/testpy/* tests/common.js tests/test.py tests/utlis.py

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websocket-extensions v. 0.1.3

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-json3

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-url-parse

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-querystringify

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jul-to-slf4j

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- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
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- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd

- web-fragment_3_1.xsd
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validation-api-2.0.1.Final.jar

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8.15.14 Springfox

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swagger-annotations

swagger-models

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/**
* The Byte Buddy agent allows the redefinition of classes at runtime.

*/mapstruct
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Zeppelin-interpreter

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```

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zeppelin-shell

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zeppelin-spark-dependencies

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8.15.20 fetch

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8.15.21 fuse.js

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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.

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

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8.15.27 jackson-module-afterburner

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8.15.28 jackson-module-parameter-names

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Dependency: tinyqueue: 2.0.3

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+++++++ References ++++++

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8.15.33 swagger-ui

swagger-ui

swagger-ui.js

swagger-ui-bundle.js

swagger-ui-standalone-preset.js

swagger-ui.css

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swagger-io dependencies:

runtime-corejs2

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object-assign-deep

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xml

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base64-js:1.2.0

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classnames:2.2.6

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core-js:2.5.1

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css.escape:1.5.1

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deep-extend:0.6.0

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dompurify:2.0.7

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js-file-download

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js-yaml

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prop-types

react

react-dom

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react-debounce-input

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react-immutable-proptypes

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react-inspector

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redux-immutable

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serialize-error

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url-parse

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xml-but-prettier

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8.15.34 **three.js**

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