Oracle Financial Services Analytical Applications

Modern Risk and Finance

Licensing Information User Manual

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OFSAA MRF Licensing Information User Manual

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Document Control

Version Number	Revision Date	Change Log
1.0	June 2019	First release
2.0	July 2019	Updated RUL text for AML/Fraud
3.0	July 2019	Updated information for Balance Sheet Planning and Profitability Pack
4.0	July 2019	Updated information for Liquidity Risk Solution
5.0	August 2019	Updated information for Adaptive Intelligence Foundation for Anti Money Laundering
6.0	August 2020	Added information for Oracle Financial Services Model Management and Governance
7.0	September 2020	Updated Chapter Restricted Use Licenses, with information for Financial Services Trade-Based Anti Money Laundering Enterprise Edition
8.0	November 2020	Updated versions for POI, Jackson, Jackson databind, jQuery, Log4J
9.0	October 2021	Removed licensing information for FCCM products.
10.0	August 2022	Updated the information for Oracle Financial Services Advanced Analytical Applications Infrastructure and Oracle Financial Services Data Foundation Pack.
11.0	April 2023	Added information for Oracle JET

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1 Licensing Information

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2 Product Family - Platform

2.1 Oracle Financial Services Advanced Analytical Applications Infrastructure

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	 Prerequisites Operating System Oracle Linux / Red Hat Enterprise Linux (x86-64) Oracle Solaris(SPARC) IBM AIX (PowerPC) Shell Java Runtime Environment Oracle Linux / Red Hat Enterprise Linux Oracle Solaris IBM AIX Oracle Database Server and Client OLAP Oracle Hyperion Essbase Oracle OLAP Web Server / Web Application Server WebSphere Apache Tomcat Oracle Labs Data Studio Oracle Stack Libraries used in the application pack None Third party software tools used in the application pack Apache 2.0 ant-1.10.9.jar batik-transcoder-1.14.jar cglib-nodep-2.13.jar commons-beanutils-1.9.4.jar commons-codec-1.13.jar commons-codec-1.13.jar commons-dbcp2-2.9.0.jar commons-discovery-0.5.jar commons-discovery-0.5.jar commons-lang3-3.11.jar commons-lang3-3.11.jar commons-logging-1.1.3.jar Commons-math3-3.6.1.jar

- commons-pool2-2.8.1.jar
- commons-vfs2-26.0.jar
- dom4j-1.6.1.jar
- fop-2.2.jar
- freemarker-2.3.31.jar
- hadoop 5.13.0
- Jackson 2.13.3.jar
- jackson-core-asl-2.13.3.jar
- jackson-mapper-asl-2.13.3.jar
- jetty 9.4.11
- joda-time-2.10.1.jar
- json-lib-2.4-jdk15.jar
- kafka_2.13-2.6.0.jar
- log4j-2.12.4.jar
- OpenCMIS 1.1.0
- opensaml-3.4.5.jar
- poi-4.1.2.jar
- serializer-2.10.0.jar
- Spring 5.3.21
- velocity-1.7.jar
- xalan-2.7.2.jar
- xerces.jar
- xmlbeans-3.1.0.jar
- xml-resolver-1.2.jar
- Zed Attack Proxy (ZAP) 2.6.0
- BSD license
 - esapi-2.4.0.0.jar (Enterprise Security API (ESAPI) 2.4.0.0)
 - stax2-api-3.1.4.jar (stax2-api 3.1.4)
- BSD
 - jsch-0.1.55.jar (JSch 0.1.55)
- BSD/Apache style
 - jdom.jar (JDOM 2.0.6)
- BSD-3
 - OWASP Java Encoder (OWASP Java Encoder Project 1.2.1)
- Burp Suite Free Edition License Agreement
 - Burp Suite Free Edition 1.7.19
- CDDL 1.0 & GPL
 - Stax-api 1.0-2
- EPL 1.0 and EDL 1.0
 - eclipselink-2.7.10.jar (Eclipse Persistence Services Project (Eclipselink) 2.6.4)
- EPL 1.0
 - ecj-4.6.1.jar
- junit-4.12.jar (Junit 4.12) GNU

— Font Awesome 4.4.0
■ MIT
— CKEditor 4 4.6.2
— FullCalendar 3.9.0
— jQuery 3.5.1
— knockout-postbox 0.6
numpy developers
— numpy 1.14.3
Oracle JET 11.1.2
 Raphael JavaScript Library 2.1 2.2.1 Public
— aopalliance-1.0.jar
scipy developers
— SciPy

2.2 Oracle Financial Services Model Management and Governance

Products	Licensing Description
Each Oracle Financial Services Model Management and Governance (OFS MMG) application includes the following products: • Oracle Financial Services Analytical Applications Infrastructure • Oracle Financial Services Model Management and Governance	 Prerequisites Operating System Oracle Linux / Red Hat Enterprise Linux (x86-64) Oracle Solaris(SPARC) IBM AIX (PowerPC) Shell Java Runtime Environment Oracle Linux / Red Hat Enterprise Linux Oracle Solaris IBM AIX Oracle Database Server and Client OLAP Oracle Hyperion Essbase Oracle OLAP Web Server/ Web Application Server WebLogic WebSphere Apache Tomcat Oracle Labs Data Studio Oracle Stack Libraries used in the application pack None Third party software tools used in the application pack None

Product Family - Risk and Finance 3

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

Products	Licensing Description
Each Oracle Financial Services Asset and Liability Management (OFSALM) application pack includes the following products: • Oracle Financial Services Analytical Applications Infrastructure (OFS AAI) • Oracle Financial Services Asset Liability Management (OFS ALM) • Oracle Financial Services Asset Liability Management Analytics (OFS ALMBI)	 Prerequisites Operating System Oracle Linux / Red Hat Enterprise Linux (x86-64) Oracle Solaris(SPARC) IBM AIX (PowerPC) Shell Java Runtime Environment Oracle Linux / Red Hat Enterprise Linux Oracle Solaris IBM AIX Oracle Database Server and Client OLAP Oracle Hyperion Essbase Oracle OLAP Web Server / Web Application Server WebSphere Apache Tomcat Third party software tools used in the application pack Jersey_2.25 JQuery-3.5.1 JSTL-1.2 Knockout-3.4.2 log4j-2.12.1

Oracle Financial Services Balance Sheet Planning Pack 3.2

Products	Licensing Description
Each Oracle Financial Services Balance Sheet Planning (OFS BSP) application pack includes the following product: • Oracle Financial Services Balance Sheet Planning (OFS BSP)	 Prerequisites Operating System Oracle Linux / Red Hat Enterprise Linux (x86-64) Oracle Solaris(SPARC) IBM AIX (PowerPC)

Products	Licensing Description
	 Java Runtime Environment
	 Oracle Linux / Red Hat Enterprise Linux
	— Oracle Solaris
	— IBM AIX
	 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 Insurance International Financial Reporting 3.3 **Standards 17 Analyzer Pack**

Products	Licensing Description
Each Insurance IFRS 17 Analyzer Application Pack (OFS IFRS) application pack includes the following product: • Insurance IFRS 17 Analyzer	 Prerequisites Operating System Java Runtime Environment Oracle Database Server and Client OLAP Web Server/ Web Application Server Desktop Requirements Directory Services Third party software tools used in the application pack None

Oracle Financial Services International Financial 3.4 **Reporting Standards Pack**

Products	Licensing Description
Each Oracle Financial Services International	Prerequisites
Financial Reporting Standards (OFS IFRS) application pack includes the following products:	 Operating System
	 Java Runtime Environment
Oracle Financial Services Loan Loss	 Oracle Database Server and Client
Forecasting and Provisioning	• OLAP

Products	Licensing Description
Oracle Financial Services Hedge	Web Server/ Web Application Server
Management and IFRS Valuations	 Desktop Requirements
	Directory Services
	Third party software tools used in the application pack
	■ None

Oracle Financial Services Liquidity Risk Solution Pack **3.5**

Products	Licensing Description
Oracle Financial Services Liquidity Risk Solution (OFS LRS) application pack includes the following products: • Oracle Financial Services Liquidity Risk Measurement and Management (OFS LRMM) • Oracle Financial Services Liquidity Risk Regulatory Calculations for US Federal 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)	 Prerequisites Operating System Java Runtime Environment Oracle Database Server and Client OLAP Web Server/ Web Application Server Desktop Requirements Directory Services Third party software tools used in the application pack None

Oracle Financial Services Market Risk Measurement 3.6 and Management Application Pack

Products	Licensing Description
Each Oracle Financial Services Market Risk Measurement and Management (OFS MRMM) applications pack includes the following product: • Oracle Financial Services Market Risk Measurement and Management	 Prerequisites Operating System Java Runtime Environment Oracle Database Server and Client OLAP Web Server/ Web Application Server Desktop Requirements Directory Services Third party software tools used in the application pack CAS 4.1.0

Oracle Financial Services Profitability Applications 3.7 **Pack**

Products	Licensing Description
 Each Oracle Financial Services Profitability application pack includes the following products: 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) 	 Prerequisites Operating System Oracle Linux / Red Hat Enterprise Linux (x86-64) Oracle Solaris(SPARC) IBM AIX (PowerPC) Shell Java Runtime Environment Oracle Linux / Red Hat Enterprise Linux Oracle Solaris IBM AIX Oracle Database Server and Client OLAP Oracle Hyperion Essbase Oracle OLAP Web Server/ Web Application Server WebSphere Apache Tomcat Third party software tools used in the application pack

Products	Licensing Description
	■ None

Product Family - Data Management 4

Oracle Financial Services Data Foundation Pack 4.1

Products	Licensing Description
Each Oracle Financial Services Data Foundation (OFSDF) application pack includes the following product: • Oracle Financial Services Data Foundation	 Prerequisites Operating System Java Runtime Environment Oracle Database Server and Client OLAP Web Server/ Web Application Server Desktop Requirements Directory Services Third party software tools used in the application pack commons-io-2.8.0.jar commons-fileupload-1.4.jar poi-4.1.2.jar

Oracle Financial Services Data Integration Hub Pack 4.2

Products	Licensing Description
 Each Oracle Financial Services Data Integration (OFS DIH) application pack includes the following products: Oracle Financial Services Data Integration Oracle Financial Services Oracle Fusion Accounting Hub Interface Oracle Financial Services Oracle FLEXCUBE Interface Oracle Financial Services Oracle Data Relationship Management Interface Oracle Financial Services Oracle Banking Platform Interface 	 Prerequisites Operating System Java Runtime Environment Oracle Database Server and Client Oracle Data Integrator Web Server/ Web Application Server Desktop Requirements Directory Services Third party software tools used in the application pack Apache (Log4J (2.12.1); Struts 2 (2.3.34); Jackson-databind (2.11.1); Apache POI (4.1.1); Jersey (2.x)

Oracle Data Integrator 4.2.1

Product	Licensing Description
Oracle Data Integrator	 Prerequisites Operating System Oracle Linux / Red Hat Enterprise Linux (x86-64)
	 Java Runtime Environment Oracle Database Server and Client Web Server/ Web Application Server Oracle Weblogic (Recommended) Apache Tomcat Third party software tools used in the application pack
	 activation.jar aopalliance.jar bpm-infra.jar bsf.jar bsh-2.0b2.jar bsh-2.0b4.jar com-jcraft-jsch.jar commons-beanutils-1.7.0.jar commons-codec-1.3.jar commons-codec-1.9.jar commons-codlections-3.2.2.jar commons-collections-3.2.2.jar
	 commons-discovery-0.4.jar commons-httpclient-3.1.jar commons-io-1.2.jar commons-io-2.2.jar commons-lang-2.2.jar commons-logging-1.1.1.jar commons-logging-1.2.jar commons-net-3.3.jar commons-vfs-1.0.jar
	 commons-vfs2-2.0.jar connector.jar cpld.jar dms.jar eclipselink-dbwsutils.jar eclipselink.jar enterprise_data_quality.jar ess_es_server.jar

Product	Licensing Description
	ess_es_server_11.1.2.3.500.jar
	ess_japi.jar
	ess_japi_11.1.2.3.500.jar
	groovy-all-1.7.4.jar
	groovy-all-2.1.6.jar
	groovy-all-2.3.7.jar
	groovy-all-2.4.6.jar
	■ gson-2.6.2.jar
	HspJS.jar
	■ HspJS_11.1.2.0.jar
	HspJS_11.1.2.3.500.jar
	hsqldb.jar
	identitystore.jar
	identityutils.jar
	■ jackson-core-asl-1.9.13.jar
	■ jackson-mapper-asl-1.9.13.jar
	■ jakarta-oro-2.0.8.jar
	javax.persistence-src.jar
	javax.persistence.jar
	■ javax.validation.jar
	javolution.jar
	■ jms.jar
	■ jps-api.jar
	■ jsch-0.1.53.jar
	■ jsch.jar
	■ json-path-2.2.0.jar
	jython.jar
	■ jzlib-1.07.jar
	■ log4j-2.12.1.jar
	mimepull.jar
	odi-core.jar
	■ odi-sap.jar
	odi-wls-template-gen.jar
	odihapp_common.jar
	odihapp_essbase.jar
	odihapp_essbase_11.1.2.3.500.jar
	odihapp_planning.jar
	odihapp_planning_11.1.2.0.jar
	odihapp_planning_11.1.2.3.500.jar
	odi_hfm.jar
	ogg_jmx_interface.jar
	■ ojdbc8.jar

Product	Licensing Description
	• ojdl.jar
	• oracle.odi-jaxrsri.jar
	oracle.odi-sdk-jse.jar
	oracle.odi-sdk-jse_12.1.3.jar
	■ oracle.ucp.jar
	org.codehaus.jackson.jackson-core-asl.jar
	org.codehaus.jackson.jackson-mapper-asl.jar
	org.eclipse.jgit_3.6.2.201501210735-r.jar
	org.jvnet.mimepull.mimepull.jar
	■ pop3.jar
	sapjco.jar
	■ sapjco3.jar
	slf4j-api-1.7.5.jar
	spring-aop.jar
	spring-beans.jar
	spring-context-support.jar
	spring-context.jar
	spring-core.jar
	spring-dao.jar
	spring-expression.jar
	spring-instrument-tomcat.jar
	spring-instrument.jar
	spring-jdbc.jar
	spring-jms.jar
	spring-jmx.jar
	spring-jpa.jar
	spring-orm.jar
	spring-oxm.jar
	spring-struts.jar
	spring-test.jar
	spring-tx.jar
	spring-web.jar
	spring-webmvc-portlet.jar
	spring-webmvc.jar
	staxon-1.0.jar
	staxon-jackson-1.0.jar
	svnkit-1.8.3.jar
	trilead-ssh2-1.0.0-build217.jar
	trove.jar
	wls-api.jar
	woodstox.jar
	XmlSchema-1.4.2.jar

Oracle Financial Services Data Management 4.3 **Application Pack**

Products	Licensing Description
 Each Oracle Financial Services Data Management (OFS DM) Application Pack includes the following applications: Oracle Financial Services Reconciliation Framework Oracle Financial Services Data Governance for US Regulatory Reporting Oracle Financial Services Data Governance for European Central Reporting 	 Prerequisites Operating System Java Runtime Environment Oracle Database Server and Client OLAP Web Server/ Web Application Server Desktop Requirements Directory Services Third party software tools used in the application pack Log4J 2.12.1; XWork 2.3.16.3; Commons-lang3 (3.1); Commons-beanutils-1.8.3)

Product Family - Regulatory Compliance 5

Oracle Financial Services Capital Adequacy Application 5.1 **Pack**

Products	Licensing Description
Each Oracle Financial Services Capital Adequacy (OFS CAPADQ) application pack includes the following products: Oracle Financial Services Economic Capital Advanced Oracle Financial Services Basel Regulatory Capital Basic Oracle Financial Services Basel Regulatory Capital Internal Ratings Based Approach Oracle Financial Services Basel Regulatory Capital Analytics	 Prerequisites Operating System Java Runtime Environment Oracle Database Server and Client OLAP Web Server/ Web Application Server Desktop Requirements Directory Services Third party software tools used in the application pack NagC Mark8, DMC Mark8 Apache (Commons IO 2.2; commons-lang 3 3.2; Commons FileUpload 1.3.2; Commons Logging 1.1.3)

OFS Regulatory Reporting for De Nederlandsche Bank 5.2

Products	Licensing Description
Each Oracle Financial Services Regulatory Reporting for De Nederlandsche Bank (OFS AGILE RP DNB) application pack includes the following product: • Oracle Financial Services AgileREPORTER Application	 Prerequisites Operating System Java Runtime Environment Oracle Financial Services Data Foundation 8.0.8 Application Pack Oracle Database Server and Client OLAP Web Server/ Web Application Server Desktop Requirements Directory Services Third party software tools used in the application pack Lombard Risk Reporting Portal

OFS Regulatory Reporting for European Banking 5.3 Authority

Products	Licensing Description
Each Oracle Financial Services Regulatory Reporting for European Banking Authority (OFS AGILE RP EBA) application pack includes the following product: • Oracle Financial Services AgileREPORTER Application	 Prerequisites Operating System Java Runtime Environment Oracle Financial Services Data Foundation 8.0.8 Application Pack Oracle Database Server and Client OLAP Web Server/ Web Application Server Desktop Requirements Directory Services Third party software tools used in the application pack Lombard Risk Reporting Portal

OFS Regulatory Reporting for European Banking 5.4 **Authority – Lombard Risk Integration Pack**

Products	Licensing Description
Each Oracle Financial Services Regulatory Reporting for European Banking Authority – Lombard Risk Integration Pack (OFS REG REP EBA) application pack includes the following product: • Oracle Financial Services Regulatory Reporting for European Banking Authority (OFS AGILE RP EBA)	 Prerequisites Operating System Java Runtime Environment Oracle Financial Services Data Foundation 8.0.8 Application Pack Oracle Database Server and Client OLAP Web Server/ Web Application Server Desktop Requirements Directory Services Third party software tools used in the application pack Lombard Risk Reporting Portal

OFS Regulatory Reporting for Reserve Bank of India 5.5

Products	Licensing Description
Each Oracle Financial Services Regulatory Reporting for Reserve Bank of India (OFS	PrerequisitesOperating System

Products	Licensing Description
AGILE RP RBI) application pack includes the following product: • Oracle Financial Services AgileREPORTER Application	 Java Runtime Environment Oracle Financial Services Data Foundation 8.0.8 Application Pack Oracle Database Server and Client OLAP Web Server/ Web Application Server Desktop Requirements Directory Services Third party software tools used in the application pack Lombard Risk Reporting Portal

5.6 OFS Regulatory Reporting for Reserve Bank of India – Lombard Risk Integration Pack

Products	Licensing Description
Each Oracle Financial Services Regulatory Reporting for Reserve Bank of India – Lombard Risk Integration Pack (OFS REG REP RBI) application pack includes the following product: • Oracle Financial Services Regulatory Reporting for Reserve Bank of India (OFS AGILE RP RBI)	 Prerequisites Operating System Java Runtime Environment Oracle Financial Services Data Foundation 8.0.8 Application Pack Oracle Database Server and Client OLAP Web Server/ Web Application Server Desktop Requirements Directory Services Third party software tools used in the application pack Lombard Risk Reporting Portal

5.7 OFS Regulatory Reporting for US Federal Reserve – Lombard Risk Integration Pack

Products	Licensing Description
Each Oracle Financial Services Regulatory Reporting for US Federal Reserve – Lombard	PrerequisitesOperating System
Risk Integration Pack (OFS REG REP US FED)	Java Runtime Environment

Products	Licensing Description
application pack includes the following product:	 Oracle Financial Services Data Foundation 8.0.8 Application Pack
Oracle Financial Services Regulatory Reporting for US Federal Reserve (OFS AGILE RP US FED)	Oracle Database Server and ClientOLAP
	Web Server/ Web Application ServerDesktop Requirements
	 Directory Services
	 Third party software tools used in the application pack
	 Lombard Risk Reporting Portal

OFS Regulatory Reporting for US Federal Reserve 5.8

Products	Licensing Description
Each Oracle Financial Services Regulatory Reporting for US Federal Reserve (OFS AGILE RP US FED) application pack includes the following product: • Oracle Financial Services AgileREPORTER Application	 Prerequisites Operating System Java Runtime Environment Oracle Financial Services Data Foundation 8.0.8 Application Pack Oracle Database Server and Client OLAP Web Server/ Web Application Server Desktop Requirements Directory Services Third party software tools used in the application pack Lombard Risk Reporting Portal

OFS Regulatory Reporting for US Treasury 5.9

Products	Licensing Description
Each Oracle Financial Services Regulatory Reporting for US Treasury (OFS AGILE RP US Treasury) application pack includes the following product: • Oracle Financial Services AgileREPORTER Application	 Prerequisites Operating System Java Runtime Environment Oracle Financial Services Data Foundation 8.0.8 Application Pack Oracle Database Server and Client OLAP Web Server/ Web Application Server Desktop Requirements

Products	Licensing Description
	 Directory Services
	Third party software tools used in the application pack
	 Lombard Risk Reporting Portal

5.10 OFS Regulatory Reporting for US Treasury – Lombard Risk Integration Pack

Products	Licensing Description
Each Oracle Financial Services Regulatory Reporting for US Treasury – Lombard Risk Integration Pack (OFS REG REP US Treasury) includes the following product: • Oracle Financial Services Regulatory Reporting for US Treasury (OFS AGILE RP US Treasury)	 Prerequisites Operating System Java Runtime Environment Oracle Financial Services Data Foundation 8.0.8 Application Pack Oracle Database Server and Client OLAP Web Server/ Web Application Server Desktop Requirements Directory Services Third party software tools used in the application pack Lombard Risk Reporting Portal

5.11 Oracle Financial Services AgileREPORTER Application Pack

Products	Licensing Description
Each Oracle Financial Services AgileREPORTER (OFS AgileREPORTER)) application pack includes the following product: • Lombard Risk Reporting Portal	 Prerequisites Operating System Java Runtime Environment Oracle Financial Services Data Foundation 8.0.8 Application Pack Oracle Database Server and Client OLAP Web Server/ Web Application Server Desktop Requirements Directory Services Third party software tools used in the application pack Lombard Risk Reporting Portal

6 Product Family - Customer Insight

6.1 Price Creation and Discovery Application Pack

Products	Licensing Description	
Each Oracle Financial Services Price Creation and Discovery (OFS PCD) application pack includes the following product: • Oracle Financial Services Price Creation and Discovery	 Prerequisites Operating System Java Runtime Environment Oracle Database Server and Client OLAP Web Server/Web Application Server Desktop Requirements Directory Services Third party software tools used in the application pack jQuery JavaScript Library 3.5.1 Raphael JavaScript Library 2.2.1 Dojo 0.4.4 YUI 2.9.0 esapi-2.1.0.1.jar 	

6.2 Customer Analytics Application Pack

Products	Licensing Description
Each Oracle Financial Services Customer Analytics (OFS CA) application pack includes the following product: • Retail Customer Analytics	 Prerequisites Operating System Oracle Linux / Red Hat Enterprise Linux (x86-64) Oracle Solaris(SPARC) IBM AIX (PowerPC) Oracle Solaris v5.11 Java Runtime Environment Oracle Linux / Red Hat Enterprise Linux Oracle Solaris IBM AIX Oracle Database Server and Client OLAP Oracle Hyperion Essbase Oracle OLAP Web Server/Web Application Server Oracle R Advanced Analytics for Hadoop Oracle Loader For Hadoop (OLH) v 3.2 Third party software tools used in the application pack None

7 Product Family – Insurance

7.1 Oracle Insurance Data Foundation Pack

Products	Licensing Description
Each Oracle Insurance Data Foundation (OIDF) applications pack includes the following product: • Oracle Insurance Data Foundation	 Prerequisites Operating System Java Runtime Environment Oracle Database Server and Client OLAP Web Server/ Web Application Server Desktop Requirements Directory Services Third party software tools used in the application pack commons-io-2.8.0.jar commons-fileupload-1.4.jar commons-lang3-3.11.jar poi-4.1.2.jar

8 Third-Party Notices

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

8.1 Commercial Software

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Normalize.scss

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

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select2.js

https://github.com/select2/select2

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jQuery UI - v1.12.1 - 2015-03-18

http://jqueryui.com

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

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RequireJS text 2.0.15

http://github.com/requirejs/text

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Mike Adair madair ATdm solutions.ca

Richard Greenwood richATgreenwoodmap.com

Didier Richard didier.richardATign.fr

Stephen Irons stephen.ironsATclear.net.nz

Olivier Terral oterralATgmail.com

Calvin Metcalf cmetcalfATappgeo.com

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9.18 Ryan Niemeyer, Technology: knockout-postbox

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