

**Oracle® Financial Services
Analytical Applications**

Licensing Information User Manual

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Introduction

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Licensing Information

Product	Sub product	Licensing Description
Oracle Financial Services Analytical Applications 8.0.5.0.0	Oracle Financial Services Advanced Analytical Applications Infrastructure	Products Included In The Application Pack Each Oracle Financial Services Advanced Analytical Applications Infrastructure (OFS AAAI) Application Pack includes the following applications: - 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 - Oracle Linux / Red Hat Enterprise Linux - Oracle Solaris - IBM AIX - Web Application Server - WebLogic - WebSphere - Apache Tomcat Third party software tools used in the Application Pack - Apache (Tomcat 7.0, Ant 1.8.4; Axis 1.4; Apache POI 3.6; Commons-File upload1.3.1; commons-DBCP 2.1.1, Log4J (1.2.8, 1.2.13, 1.2.15, 1.3); Xalan Java 2.7.1; Xalan-Java2 2.7; Xerces (1.1, C++,1.6, 2.4, 2.5, 2.6, 2.7, 2.7.0); Avalon.framework.jar 4.1.5; commons-collections 3.2.2; fop.jar 1.0; Jakarta-oro 2.0.8; commons-discovery-0.2.jar; commons-beanutils 1.9.2) - Cloudera (Cloudera Standard—Apache Hadoop

Product	Sub product	Licensing Description
		CDH4) • Codehaus (Jackson 2.4.3) • Gnuplot (gnuplot 4.6 and later) • Jason Hunter & Brett McLaughlin (JDOM 1.1) • MetaStuff, Ltd. (Dom4j 1.6.1) • Numerical Algorithms Group, Inc. (DMC Mark8, NagC Mark 8) • relaxingDatatype.jar • Yahoo [YUI (Yahoo User Interface) Library 2.5.2, 2.6] • Eclipse Foundation (JDT Compiler 5.5, Eclipse Persistence Services Project (Eclipselink) 2.5) • INRIA, France Telecom (ASM 3.3.1)
	Oracle Financial Services Data Management	Products Included In The Application Pack Each Oracle Financial Services Data Management (OFS DM) Application Pack includes the following applications: • Financial Services Reconciliation Framework Prerequisites • Operating System • Java Runtime Environment • Oracle Database Server and Client • OLAP • Web Server/ Web Application Server • Desktop Requirements • Directory Services Third party software tools used in the Application Pack • Apache (Struts 2 (2.3.32); Log4J (1.2.8, 1.2.13, 1.2.15, 1.3); XWork 2.3.16.3; Commons-lang3 (3.1); Commons-beanutils-1.8.3)
	Oracle Financial Services Asset and Liability Management Applications	Products Included In The Application Pack Each Oracle Financial Services Asset and Liability Management (OFS ALM) Application Pack includes the following applications: • 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

Product	Sub product	Licensing Description
		○ 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 ○ Oracle Linux / Red Hat Enterprise Linux ○ Oracle Solaris ○ IBM AIX • Web Application Server ○ WebLogic ○ WebSphere ○ Apache Tomcat Third party software tools used in the Application Pack • Apache (Struts 2 (2.3.32); XWork 2.3.16.3; Commons-lang3 (3.1); Commons-logging 1.1.3) • FreeMarker 2.3.19
	Oracle Financial Services Balance Sheet Planning	Products Included In The Application Pack Each Oracle Financial Services Balance Sheet Planning (OFS BSP) Application Pack includes the following application: • Oracle Financial Services Balance Sheet Planning (OFS BSP) Prerequisites • Hyperion 11.1.2.4 • Two Database users / schemas Third party software tools used in the Application Pack None
	Oracle Financial Services Behavior Detection Applications	Products Included In The Application Pack Each Oracle Financial Services Behavior Detection (OFS BD) Applications Pack includes the following applications: • Oracle Financial Services Inline Processing

Product	Sub product	Licensing Description
		Engine (OFS IPE) • Oracle Financial Services Anti-Money Laundering (OFS AML) • Oracle Financial Services Fraud Management Enterprise Edition (OFS FM EE) • Oracle Financial Services Trading Compliance (OFS TC) • Oracle Financial Services Trade Blotter (OFS TB) • Oracle Financial Services Personal Trading Approval (OFS PTA) • Oracle Financial Services Broker Compliance (OFS BC) • Oracle Financial Services Energy and Commodity Trading Compliance (OFS ECTC) • Oracle Financial Services Enterprise Case Management (OFS ECM) • Oracle Financial Services Know Your Customer (OFS KYC) • Oracle Financial Services Currency Transaction Reporting (OFS CTR) • Oracle Financial Services Foreign Account Tax Compliance Act (OFS FATCA) Management 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 • Web Server ○ Oracle Linux / Red Hat Enterprise Linux ○ Oracle Solaris • Web Application Server ○ WebLogic ○ WebSphere ○ Apache Tomcat Third party software tools used in the Application Pack • Apache (Ant (1.7, 1.6.2); Commons CSV 1.0; Xalan 2.7.1; Xerces 2.8.1, 2.0.1; dbcp (commons-

Product	Sub product	Licensing Description
		dbcp-1.2.1.jar); Jakarta-commons-digester1.7; Jakarta-commons-discovery 0.4; Spring-web.jar 2.0) • JSch 0.1.4.9 • GNU make 3.82 • jaxen-core.jar 1.0, jaxen-jdom.jar 1.1.6 • Saxpath (Simple API for Xpath) 1.0
	Oracle Financial Services Compliance Regulatory Reporting Application	Products Included In The Application Pack Each Oracle Financial Services Compliance Regulatory Reporting Application Pack includes the following application: • Compliance Regulatory Reporting Prerequisites • Operating System ◦ Oracle Linux / Red Hat Enterprise Linux (x86-64) • Java Runtime Environment ◦ Oracle Linux / Red Hat Enterprise Linux ◦ Oracle Solaris ◦ IBM AIX • Oracle Database Server and Client • Web Server/Web Application Server ◦ Oracle Linux / Red Hat Enterprise Linux ◦ Oracle Solaris ◦ IBM AIX Third party software tools used in the Application Pack None
	Oracle Financial Services Capital Adequacy Applications	Products Included In The Application Pack Each Oracle Financial Services Capital Adequacy (OFS CAPADQ) Application Pack includes the following applications: • 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 • Oracle Financial Services Operational Risk Economic Capital • Oracle Financial Services Retail Portfolio Risk Models and Pooling

Product	Sub product	Licensing Description
		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
	Oracle Financial Services Customer Analytics Applications	Product Included In The Application Pack Each Oracle Financial Services Customer Analytics (OFS CA) Application Pack includes the following application: • 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 Linux / Red Hat Enterprise Linux ◦ Oracle Solaris ◦ IBM AIX • Oracle R Advanced Analytics for Hadoop ◦ Oracle Loader For Hadoop (OLH) v 3.2 Third party software tools used in the Application Pack • Cloudera Manager 5.3 + • CDH 5.3 +

Product	Sub product	Licensing Description
		• hadoop-2.5.0+cdh5.3.3+844 • hive-0.13.1+cdh5.3.3+350 • Cloudera Hive Connectors • Hive JDBC Connectors v 2.5.15+
	Oracle Financial Services Data Integration	Products Included In The Application Pack Each Oracle Financial Services Data Integration (OFS DI) Application Pack includes the following application: • Oracle Financial Services Data Integration • Oracle Financial Services DI Oracle Fusion Accounting Hub Interface • Oracle Financial Services DI Oracle FLEXCUBE Interface • Oracle Financial Services DI Oracle Data Relationship Management Interface • Oracle Financial Services DI Oracle Banking Platform 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 • Apache (Log4J (1,2,16); Struts 2 (2.3.32); XWork 2.3.16.3)
	Oracle Financial Services Foundation Applications	Products Included In The Application Pack Each Oracle Financial Services Data Foundation (OFSDF) Applications Application Pack includes the following applications: • Oracle Financial Services Data Foundation Prerequisites • Operating System • Java Runtime Environment • Oracle Database Server and Client • OLAP • Web Server/ Web Application • Server

Product	Sub product	Licensing Description
		• Desktop Requirements • Directory Services Third party software tools used in the Application Pack None
	Oracle Financial Services Governance Risk and Compliance Applications	Products Included In The Application Pack Each Oracle Financial Services Governance Risk and Compliance (OFS GRC) Applications Application Pack includes the following applications: • Oracle Financial Services Operational Risk (OR) • Oracle Financial Services Governance and Compliance Management (GCM) • Oracle Financial Services Operational Risk Analytics (ORA) • Oracle Financial Services Enterprise Risk Assessment (ERA) • Oracle Financial Services Model Risk Management (MRM) 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 • Web Server ○ Oracle Linux / Red Hat Enterprise Linux ○ Oracle Solaris ○ IBM AIX • Web Application Server ○ WebLogic ○ WebSphere ○ Apache Tomcat Third party software tools used in the Application Pack • Apache (Commons-collections 3.2.1; Commons-lang3 (3.1); Commons-logging 1.1.3; Json-lib-2.2.2-jdk15; Commons-beanutils-1.7)

Product	Sub product	Licensing Description
		Eclipselink 1.1.2
	Oracle Financial Services International Financial Reporting Standards Application	Products Included In The Application Pack Each Oracle Financial Services International Financial Reporting Standards (OFS IFRS) Applications Application Pack includes the following applications: - Oracle Financial Services Loan Loss Forecasting and Provisioning - Oracle Financial Services Hedge Management and IFRS Valuations 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 - Apache (Struts 2 (2.3.32); XWork 2.3.32; Commons-lang3 (3.2); Commons-logging 1.1.3) - FreeMarker 2.3.22
	Oracle Financial Services Pricing Management Applications	Products Included In The Application Pack Each Oracle Financial Services Pricing Management (OFS PM) Applications Application Pack includes the following applications: - Oracle Financial Services Pricing Management 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 - Web Server - Oracle Linux / Red Hat Enterprise Linux - Oracle Solaris

Product	Sub product	Licensing Description
		○ IBM AIX • Web Application Server ○ WebLogic ○ WebSphere ○ Apache Tomcat Third party software tools used in the Application Pack • Apache (Struts 2 (2.3.32); Log4J (1.2.8, 1.2.13, 1.2.15, 1.3); Commons-beanutils-1.8.3; Commons-lang3 (3.1); XWork 2.3.16.3)
	Oracle Financial Services Profitability Applications	Products Included In The Application Pack Each Oracle Financial Services Profitability Applications Pack includes the following applications: • 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 ○ Oracle Linux / Red Hat Enterprise Linux ○ Oracle Solaris ○ IBM AIX

Product	Sub product	Licensing Description
		- Web Application Server - WebLogic - WebSphere - Apache Tomcat Third party software tools used in the Application Pack - Apache (Struts 2 (2.3.32); Commons-lang3 (3.1); XWork 2.3.16.3; Commons-logging 1.1.3) - FreeMarker 2.3.19
	Oracle Financial Services Sanctions Applications	Products Included In The Application Pack Each Oracle Financial Services Sanctions Applications Pack includes the following applications: - Oracle Financial Services Transaction Filtering Prerequisites - Operating System - Oracle Linux / Red Hat Enterprise Linux (x86-64) - Java Runtime Environment - Oracle Linux / Red Hat Enterprise Linux - Oracle Database Server and Client - OLAP - Web Server - Oracle Linux / Red Hat Enterprise Linux - Web Application Server - WebLogic - Oracle Enterprise Data Quality for Oracle Financial Services Analytical Applications (Oracle EDQ 12.2.1.0.0) Third party software tools used in the Application Pack - Apache (Ant 1.7, 1.6.2; Apache POI 3.6; Commons-File upload1.0; Log4J (1.2.8, 1.2.13, 1.2.15, 1.3); Xalan Java 2.7.1; Xalan-Java2 2.7; Xerces 1.1, C++,1.6, 2.4, 2.5, 2.6, 2.7, 2.7.0; Avalon-framework-4.1.3.jar; fop.jar 1.0; Jakarta-oro 2.0.8; commons-discovery-0.2.jar) - Jackson 2.4.3 - JDOM 1.1 - Dom4j 1.6.1 - relaxingDatatype.jar - YUI (Yahoo User Interface) Library (2.5.2, 2.6) - Spring 4.2.3

Product	Sub product	Licensing Description
	Oracle Financial Services Treasury Risk Applications	Products Included In The Application Pack Each Oracle Financial Services Treasury Risk (OFS TR) Applications Pack includes the following applications: • Oracle Financial Services Liquidity Risk Management • Oracle Financial Services Market Risk • Oracle Financial Services Market Risk 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 • Apache (struts2 (2.3.32); Log4J (1.2.17); Commons-lang3 (3.1); XWork 2.3.16.3; Xerces 1.1; XWork 2.3.16.3; Commons-beanutils-1.9.2, axis 1.4, JSON_parser 1, ognl 3.0.6, freemarker, jstl-api 1.2, jstl-impl 1.2, taglib, Xerces 1.1, C++, 1.6, 2.4, 2.5, 2.6, 2.7, 2.7.0, 2.10) • javassist-3.11.0.GA 3.11.0 • Boost C++ libraries 1.38 • NagC Mark 8, DMC Mark 8 • jaxws-rt 2.2, jaxws-tools 2.2, • ojdbc7 12.1.0.1.0 • jaxb-impl 2.2.7, jaxb-api 2.2.7, jaxb-api 2.2.7
	Oracle Insurance Foundation Applications	Products Included In The Application Pack Each Oracle Insurance Data Foundation (OIDF) Applications Pack includes the following application: • Oracle Insurance Data Foundation Prerequisites • Operating System • Java Runtime Environment • Oracle Database Server and Client • OLAP • Web Server/ Web Application • Server • Desktop Requirements

Product	Sub product	Licensing Description
		Directory Services Third party software tools used in the Application Pack None
	Oracle Financial Services Regulatory Reporting for US Federal Reserve – Lombard Risk Integration Pack	Products Included In The Application Pack Each Oracle Financial Services Regulatory Reporting for US Federal Reserve – Lombard Risk Integration Pack (OFS RRS US FED) Application includes the following application: - Oracle Financial Services Regulatory Reporting for US Federal Reserve Lombard Risk Integration Pack Prerequisites - Operating System - Java Runtime Environment - Oracle Financial Services Data Foundation 8.0.4 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 None
	Oracle Financial Services Regulatory Reporting for Reserve Bank of India – Lombard Risk Integration Pack	Products Included In The Application Pack Each Oracle Financial Services Regulatory Reporting for Reserve Bank of India – Lombard Risk Integration Pack (OFS RRS RBI) Application includes the following application: - Oracle Financial Services Regulatory Reporting for Reserve Bank of India Lombard Risk Integration Pack Prerequisites - Operating System - Java Runtime Environment - Oracle Financial Services Data Foundation 8.0.4 Application Pack - Oracle Database Server and Client - OLAP

Product	Sub product	Licensing Description
		• Web Server/ Web Application • Server • Desktop Requirements • Directory Services Third party software tools used in the Application Pack None
	Oracle Financial Services Regulatory Reporting for European Banking Authority	Products Included In The Application Pack Each Oracle Financial Services Regulatory Reporting for European Banking Authority (OFS REG REP EBA) Application includes the following application: • Oracle Financial Services Regulatory Reporting for European Banking Authority Prerequisites • Operating System • Java Runtime Environment • Oracle Financial Services Data Foundation 8.0.3 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 None
	Oracle Financial Services Regulatory Reporting for De Nederlandsche Bank	Products Included In The Application Pack Each Oracle Financial Services Regulatory Reporting for De Nederlandsche Bank (OFS REG REP DNB) Application includes the following application: • Oracle Financial Services Regulatory Reporting for De Nederlandsche Bank Prerequisites • Operating System • Java Runtime Environment • Oracle Financial Services Data Foundation 8.0.4 Application Pack • Oracle Database Server and Client • OLAP

Product	Sub product	Licensing Description
		• 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 and Management	Products Included In The Application Pack Each Oracle Financial Services Market Risk Measurement and Management (OFS MRMM) Applications Pack includes the following applications: • 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 • Apache (struts2 (2.3.32); Log4J (1.2.17); Commons-lang3 (3.1); XWork 2.3.16.3; Xerces 1.1; XWork 2.3.16.3; Commons-beanutils-1.9.2, axis 1.4, JSON_parser 1, ognl 3.0.6, freemarker, jstl-api 1.2, jstl-impl 1.2, taglib, Xerces 1.1) • javassist-3.11.0.GA 3.11.0 • jaxws-rt 2.2, jaxws-tools 2.2, • ojdbc7 12.1.0.1.0 • jaxb-impl 2.2.7, jaxb-api 2.2.7, jaxb-api 2.2.7 • CAS 4.1.0

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- **Oracle Financial Services Know Your Customer**

The Oracle Financial Services Know Your Customer (KYC) product includes Oracle Financial Services Inline Processing Engine (IPE) functionality that may be used only for creating, maintaining and modifying KYC risk assessment rules and Oracle Financial Services Enterprise Case Management (ECM) functionality that may be used only for investigating and managing KYC cases.

- **Oracle Financial Services Customer Screening**

The Oracle Financial Services Customer Screening application includes Oracle Financial Services Enterprise Case Management and Oracle Financial Services Analytical Applications Infrastructure functionality that may be used only for investigating and managing Oracle Financial Services Customer Screening cases.

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Provider	Component(s)	Functionality	Licensing Information
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Numerix	Cross Asset Server(CAS) 4.1	Third party library for financial models and methods	Copyright © 2015 Numerix LLC.

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Provider	Component(s)	Functionality	Licensing Information
Apache Software Foundation	Ant (1.7, 1.6.2, 1.8.4) Avalon-framework-4.1.3.jar, Avalon.framework.jar 4.1.5 Axis 1.4 Commons-beanutils-1.8.3	Scripting Platform Platform Persistence Tier & Install	Copyright © 1999-2012 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-

Provider	Component(s)	Functionality	Licensing Information
	Commons-beanutils-1.7 Commons-beanutils 1.9.2 Commons-collections 3.2.1 Commons CSV 1.0 Commons-discovery-0.2.jar Commons-File upload 1.0, 1.3.1 Commons-lang3 (3.1) Commons-logging 1.1.3 Commons-collections 3.2.2 dbcp (Commons-dbc-1.2.1.jar), commons-DBCP 2.1.1 Fop.jar 1.0 Hadoop-2.5.0+cdh5.3.3+844 Hive-0.13.1+cdh5.3.3+350 Jakarta-oro 2.0.8 Jakarta-commons-digester1.7 Jakarta-commons-discovery 0.4 Json-lib-2.2.2-jdk15 Log4J (1.2.8, 1.2.13, 1.2.15,		2.0 . For a copy of the license, see Apache License, Version 2.0 .

Provider	Component(s)	Functionality	Licensing Information
	1.3) Log4J (1,2,16) POI 3.6 Spring-web.jar 2.0 Struts 2 (2.3.32) Xalan 2.7.1 Xalan Java 2.7.1 Xalan-Java2 2.7 Xerces 2.8.1, 2.0.1 Xerces 1.1, C++,1.6, 2.4, 2.5, 2.6, 2.7, 2.7.0 XWork 2.3.16.3		
Atsuhiko Yamanaka, JCraft, Inc.	JSch 0.1.4.9	Enables to connect to an sshd server and use port forwarding, X11 forwarding, file transfer, and so on.	Copyright (c) 2012, Marcin Mi³kowski For a copy of the license, see Atsuhiko Yamanaka, JCraft, Inc.
Boost Software	Boost C++ libraries 1.38	Family of class templates that are function object wrappers	Boost Software License - Version 1.0 - August 17th, 2003 For a copy of the license, see Boost Software
Cloudera	Cloudera Standard— Apache Hadoop CDH4 Cloudera Manager 5.3 + CDH 5.3 + Cloudera Hive Connectors	Contains the main, core elements of Hadoop that provide reliable, scalable distributed data processing of large data sets, as well as other enterprise-oriented components that provide security,	Copyright © 1999-2012 The Apache Software Foundation Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 . For a copy of the license, see Apache

Provider	Component(s)	Functionality	Licensing Information
		high availability, and integration with hardware and other software	License, Version 2.0.
Codehaus	Jackson 2.4.3	Data binding	Jackson is available under the Apache License, Version 2.0. Copyright © 1999-2012 The Apache Software Foundation Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0. For a copy of the license, see Apache License, Version 2.0.
Eclipse Foundation, Inc.	Eclipselink 1.1.2 (Eclipse Distribution License - v 1.0) JDT Compiler 5.5	Integrated development environment, used to develop applications	Eclipse Distribution License - v 1.0 Copyright (c) 2007, Eclipse Foundation, Inc. and its licensors. For a copy of the license, see Eclipse , Eclipse Public License
Free Software Foundation	GNU make 3.82	Controls the generation of executables and other non-source files of a program from the program's source files.	Copyright (C) 2007 Free Software Foundation, Inc. For a copy of the license, see Free Software Foundation
Gnuplot	Gnuplot 4.6 and later	Portable command-line driven graphing utility for Linux, OS/2, MS Windows, OSX, VMS, and many other platforms.	Copyright 1986 - 1993, 1998, 2004 Thomas Williams, Colin Kelley For a copy of the license, see Gnuplot, V 4.6 and above
Jason Hunter and Brett	JDOM 1.1	Type of Java API for accessing, manipulating, and	Copyright (C) 2000-2004 Jason Hunter & Brett McLaughlin.

Provider	Component(s)	Functionality	Licensing Information
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Ryan Niemeyer, Technology: knockout-postbox

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