

Oracle® Financial Services Profitability and Balance Sheet Management Cloud Service

Licensing Information User Manual



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About This Content

This guide provides information on the Profitability and Balance Sheet Management Cloud Service (PBSM CS).

Audience

This guide is intended for the users of Profitability and Balance Sheet Management Cloud Service (PBSM CS).

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

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Related Resources

See these Oracle resources:

- [What's New in Your Update](#)
- [Oracle Financial Services Profitability and Balance Sheet Management Cloud Service](#)
- [Public APIs for Profitability and Balance Sheet Management Cloud Service](#)
- [Data Security Management Guide](#)

Conventions

The following text conventions are used in this document.

Table 1-1 Conventions

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

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Oracle Financial Services Profitability and Balance Sheet Management Cloud Service

The following table lists the Third Party Software Tools used in the application.

Table 3-1 Table: Third Party Software Tools

Products	Licensing Description

Table 3-1 (Cont.) Table: Third Party Software Tools

Oracle Financial Services Profitability and Balance Sheet Management Cloud Service includes the following products:	• Third party software tools used in the application:
• Oracle Financial Services Profitability Management Cloud Service	— @hapi/h2o2
• Oracle Financial Services Funds Transfer Pricing Cloud Service	— @hapi/hapi
• Oracle Financial Services Profitability Analytics Cloud Service	— @hapi/inert
• Oracle Financial Services Cash Flow Engine Cloud Service	— Apache
• Oracle Financial Services Asset Liability Management Cloud Service	* Commons BeanUtils
	* Commons Collections
	* Commons Compress
	* Commons CSV
	* Commons Fileupload
	* Commons IO
	* Commons Language
	* Commons Pool2
	* Commons Text
	* Freemaker
	* GSON
	* Guava
	* helidon-integrations-cdi-datasource-hikaricp
	* helidon-microprofile
	* helidon-mp
	* Hibernate Validator
	* Jackson Annotations
	* Jackson Core
	* Jackson Databind
	* Jackson Dataformat XML
	* Jackson Datatype-jsr310
	* Jackson-module-scala
	* jakarta.xml.bind-api
	* Jakarta Annotations API
	* Jakarta Bean Validation API
	* Jakarta Mail API
	* Jakarta Restful Web Services JAX-RS API
	* Jakarta Servlet
	* Jakarta Activation API
	* JSP
	* Log4j API
	* Log4j Core
	* lucene-analyzers-common
	* lucene-core
	* micrometer-core
	* micrometer-registry-prometheus
	* OpenNLP Tools
	* POI
	* poi-ooxml
	* Quartz
	* Quartz Jobs
	* Scala
	* snakeyaml
	* Snappy Java

Table 3-1 (Cont.) Table: Third Party Software Tools

* Spring Context
* Spring Context Support
* Spring Core
* Spring Expression
* spring-boot-devtools
* spring-boot-maven-plugin
* spring-boot-starter-actuator
* spring-boot-starter-aop
* spring-boot-starter-cache
* spring-boot-starter-jdbc
* spring-boot-starter-jetty
* spring-boot-starter-log4j2
* spring-boot-starter-mail
* spring-boot-starter-parent
* spring-boot-starter-security
* spring-boot-starter-test
* spring-boot-starter-validation
* spring-boot-starter-web
* spring-security-core
* springdoc-openapi-starter-webmvc-ui
* tomcat-embed-core
* tomcat-embed-jasper
* tomcat-embed-websocket
* XercesImpl
— Brok
— com.itextpdf.io
— com.itextpdf.kernel
— com.itextpdf.layout
— com.squareup.okio.okio-jvm
— Eclipse
* javax.persistence-api
* jersey-container-servlet
* jersey-container-servlet-core
* jersey-hk2
* jersey-media-json-jackson
* jersey-media-multipart
* jersey-server
* jetty-client
* jetty-ee
* jetty-ee10-annotations
* jetty-ee10-plus
* jetty-ee10-servlet
* jetty-ee10-webapp
* jetty-ee10-websocket-jakarta-client
* jetty-ee10-websocket-jakarta-common
* jetty-ee10-websocket-jakarta-server
* jetty-ee10-websocket-jetty-server
* jetty-ee10-websocket-servlet
* jetty-http
* jetty-io

Table 3-1 (Cont.) Table: Third Party Software Tools

	* jetty-server
	* websocket-api
—	JSON in Java
—	Lombok
—	MIT
	* Exceljs
	* Jspreadsheet
	* Lettuce
	* prism.js
	* Sql-formatter
—	OJET
—	Okio
—	Oracle
	* oci-java-sdk-addons-apache-configurator-jersey3
	* oci-java-sdk-common-httpclient-jersey3
	* oci-java-sdk-core
	* oci-java-sdk-identity
	* oci-java-sdk-objectstorage
—	Sax
—	shedlock-core
—	shedlock-provider-jdbc-template
—	shedlock-spring
—	3-Clause BSD
	* OWASP Java Encoder Project

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Third-party Notices

This section describes about Third-party Notices.

Open Source Software

The required notices for open source software products or components distributed in Oracle Financial Services Profitability and Balance Sheet Management Cloud Service are identified in the following table along with the applicable licensing information. Additional notices and (or) licenses can 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](#) in this document.

Table 4-1 Open Source Software

Provider	Component	Functionality	Licensing Information
Apache Software Foundation	• Commons BeanUtils • Commons Compress • Commons CSV • Commons Fileupload • Commons IO • Commons Language • Commons Pool2 • Commons Text • Freemaker • GSON • Guava • helidon-integrations-cdi-datasource-hikaricp • helidon-microprofile • helidon-mp • Hibernate Validator • Jackson Annotations • Jackson Core • Jackson Databind • Jackson Dataformat XML • Jackson Datatype-jsr310 • Jackson-module-scala • jakarta.xml.bind-api • Jakarta Annotations API • Jakarta Bean Validation API • Jakarta Mail API • Jakarta Restful Web Services JAX-RS API • Jakarta Servlet • Jakarta Activation API • JSP • Log4j API • Log4j Core • lucene-analyzers-common • lucene-core • micrometer-core • micrometer-registry-prometheus • OpenNLP Tools	Scripting Platform Platform Persistence Tier & Install	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.

Table 4-1 (Cont.) Open Source Software

Provider	Component	Functionality	Licensing Information
	• POI • poi-ooxml • Quartz • Quartz Jobs • Scala • snakeyaml • Snappy Java • Spring Context • Spring Context Support • Spring Core • Spring Expression • spring-boot-devtools • spring-boot-maven-plugin • spring-boot-starter-actuator • spring-boot-starter-aop • spring-boot-starter-cache • spring-boot-starter-jdbc • spring-boot-starter-jetty • spring-boot-starter-log4j2 • spring-boot-starter-mail • spring-boot-starter-parent • spring-boot-starter-security • spring-boot-starter-test • spring-boot-starter-validation • spring-boot-starter-web • spring-security-core • springdoc-openapi-starter-webmvc-ui • tomcat-embed-core • tomcat-embed-jasper • tomcat-embed-websocket • XercesImpl		

Table 4-1 (Cont.) Open Source Software

Provider	Component	Functionality	Licensing Information
Eclipse Foundation, Inc.	EclipseLink (Eclipse Distribution License) • javax.persistence-api • jersey-container-servlet • jersey-container-servlet-core • jersey-hk2 • jersey-media-json-jackson • jersey-media-multipart • jersey-server • jetty-client • jetty-ee • jetty-ee10-annotations • jetty-ee10-plus • jetty-ee10-servlet • jetty-ee10-webapp • jetty-ee10-websocket-jakarta-client • jetty-ee10-websocket-jakarta-common • jetty-ee10-websocket-jakarta-server • jetty-ee10-websocket-jetty-server • jetty-ee10-websocket-servlet • jetty-http • jetty-io • jetty-server • websocket-api	Integrated development environment, used to develop applications	For a copy of the license, see Eclipse .
Oracle	Oracle JET • oci-java-sdk-addons-apache-configurator-jersey3 • oci-java-sdk-common-httpclient-jersey3 • oci-java-sdk-core • oci-java-sdk-identity • oci-java-sdk-objectstorage	Front end library for UI requirements	Copyright (c) 2014, 2025 Oracle and/or its affiliates The Universal Permissive License (UPL), Version 1.0 For a copy of the license, see OJET.

Table 4-1 (Cont.) Open Source Software

Provider	Component	Functionality	Licensing Information
OWASP Foundation	Enterprise Security API (ESAPI)	Open source, web application security control library designed to write lower-risk applications.	Licensed under the New BSD license. For a copy of the license, see the license text.
Visigoth Software Society	FreeMarker	"template engine" used to generate text output based on templates.	Copyright © 2003 The Visigoth Software Society. All rights reserved. For a copy of the license, see the license text.

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Third-party Licenses

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Jackson Annotations

----- Jackson Annotations -----

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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.

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It is currently developed by a community of developers.

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This project provides parsers for double, float, BigDecimal and BigInteger values.

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Jackson Databind

----- Jackson Databind-----

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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.

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jackson-databind (com.fasterxml.jackson.core:jackson-databind)

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----- === Entry created by OSCS on 2025-08-06T12:18:14.475

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```
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=====
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```
=====
===== Fourth party dependencies =====
#01 com.github.luben:zstd-jni:jar #02 org.lz4:lz4-java:jar #03 org.xerial.snappy:snappy-java:jar
#04 org.slf4j:slf4j-api:jar
=====
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=====
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[1] <https://www.ecma-international.org/publications/standards/Ecma-376.htm>

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org.apache.httpcomponents.client5:httpcore5:5.1.3
org.apache.httpcomponents.client5:httpcore5-h2:5.1.3 org.apache.logging.log4j:log4j-
api:2.24.2 org.xmlresolver:xmlresolver:5.2.2 org.xmlresolver:xmlresolver-data:5.2.2 Apache
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Project: <https://wiki.openjdk.java.net/display/CodeTools/sigtest>

Source: <http://hg.openjdk.java.net/code-tools/sigtest/file/c57f97e2ac2f>

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----- Separator ----- ./hibernate-envers/src/main/resources/META-INF/

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spring-boot-starter-log4j2

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spring-boot-starter-test

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tomcat-embed-core

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tomcat-embed-jasper

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For the Eclipse JDT Core Batch Compiler (ecj-x.x.x.jar) component and the following Jakarta EE Schemas:

- jakartaee_9.xsd
- jakartaee_10.xsd
- jakarta_web-services_2_0.xsd
- jakarta_web-services_client_2_0.xsd
- jsp_3_0.xsd
- jsp_3_1.xsd
- web-app_5_0.xsd
- web-app_6_0.xsd
- web-commonn_5_0.xsd
- web-commonn_6_0.xsd
- web-fragment_5_0.xsd
- web-fragment_6_0.xsd
- web-jsptaglibrary_3_0.xsd
- web-jsptaglibrary_3_1.xsd

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Java compilation software for JSP pages is provided by the Eclipse

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org.apache.tomcat.util.json.JSONParser.jj is a public domain javacc grammar for JSON written by Robert Fischer.

<https://github.com/RobertFischer/json-parser>

For portions of the Tomcat JNI OpenSSL API and the OpenSSL JSSE integration

The org.apache.tomcat.jni and the org.apache.tomcat.net.openssl packages

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The original XML Schemas for Java EE Deployment Descriptors:

- javaee_5.xsd
- javaee_web_services_1_2.xsd
- 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
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
- web-fragment_4_0.xsd

may be obtained from:

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XercesImpl

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jetty-jmx

jetty-io

jetty-http

jetty-http2

jetty-continuation

jetty-server

jetty-xml

jetty-security

jetty-servlet

jetty-webapp

jetty-fcgi

jetty-websocket
jetty-servlets
jetty-util-ajax
apache-jsp
apache-jstl
jetty-maven-plugin
jetty-jspc-maven-plugin
jetty-deploy
jetty-start
jetty-plus
jetty-annotations
jetty-jndi
jetty-jaas
jetty-cdi
jetty-spring
jetty-client
jetty-proxy
jetty-jaspi
jetty-rewrite
jetty-nosql
jetty-infinispan
jetty-gcloud
jetty-memcached
jetty-hazelcast
jetty-unixsocket
jetty-jmh tests examples
jetty-quickstart
jetty-distribution
jetty-runner
jetty-http-spi
jetty-osgi
jetty-alpn
jetty-home
jetty-bom

jetty-documentation

4P Dependencies:

org.mortbay.jasper » apache-jsp 8.5.33.1

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Jakarta Restful Web Services JAX-RS API

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

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ASM: a very small and fast Java bytecode manipulation framework

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