

Licensing Guide  
Oracle FLEXCUBE Investor Servicing  
Release 14.0.0.2.5  
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Licensing Guide  
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Version 14.0.0.2.5

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## Table of Contents

|   |            |
|---|------------|
| <b>1. PREFACE .....</b>   | <b>1-1</b> |
| 1.1 INTRODUCTION .....  | 1-1        |
| 1.2 AUDIENCE .....  | 1-1        |
| 1.3 DOCUMENTATION ACCESSIBILITY .....                                     | 1-1        |
| 1.4 ORGANIZATION .....  | 1-1        |
| 1.5 RELATED DOCUMENTS .....   | 1-2        |
| <b>2. ORACLE FLEXCUBE INVESTOR SERVICING LICENSING .....</b>              | <b>2-1</b> |
| 2.1 INTRODUCTION .....  | 2-1        |
| 2.2 GENERAL LICENSING RULES .....   | 2-1        |
| 2.3 COMPONENTS INCLUDED IN LICENSE .....                                  | 2-1        |
| 2.4 SEPARATELY LICENSED PRE-REQUISITE PRODUCTS AND LICENSING METRIC ..... | 2-2        |
| 2.5 RESTRICTED USE LICENSE .....  | 2-3        |
| <b>3. SOFTWARE PREREQUISITES .....</b>                                    | <b>3-1</b> |
| 3.1 SOFTWARE PREREQUISITES .....  | 3-1        |
| 3.2 MODULE-WISE SOFTWARE PREREQUISITES .....                              | 3-4        |
| <b>4. THIRD PARTY LICENSES .....</b>                                      | <b>4-1</b> |
| 4.1 INTRODUCTION .....  | 4-1        |
| 4.2 APACHE LICENSE .....  | 4-1        |
| 4.2.1 <i>Apache Commons Codec 1.11</i> .....                              | 4-1        |
| 4.2.2 <i>Apache Commons Transaction 1.2</i> .....                         | 4-5        |
| 4.2.3 <i>Apache POI 3.17</i> .....  | 4-8        |
| 4.2.4 <i>Commons Collections 4.1</i> .....                                | 4-18       |
| 4.2.5 <i>Commons IO 2.6</i> .....   | 4-21       |
| 4.2.6 <i>Commons Net 3.6</i> .....  | 4-24       |
| 4.2.7 <i>Ant 1.10.1</i> .....   | 4-31       |
| 4.2.8 <i>commons-logging 1.2</i> .....                                    | 4-40       |
| 4.2.9 <i>PJL Compressing Filter 2.3.0</i> .....                           | 4-44       |
| 4.2.10 <i>Quartz 2.3.1-9f9e400</i> .....                                  | 4-47       |
| 4.2.11 <i>Log4J 2.10.0</i> .....  | 4-50       |
| 4.2.12 <i>Apache Camel 2.22.2</i> .....                                   | 4-54       |
| 4.2.13 <i>Commons Lang 3.7</i> .....                                      | 4-75       |
| 4.2.14 <i>Log4J 2.11.1-7333573</i> .....                                  | 4-92       |
| 4.2.15 <i>GSON 2.8.5</i> .....  | 4-99       |
| 4.2.16 <i>Guava 25.1</i> .....  | 4-112      |
| 4.2.17 <i>Spring Boot 2.0.7.RELEASE</i> .....                             | 4-132      |
| 4.2.18 <i>Ron Mamo Reflections 0.9.11</i> .....                           | 4-153      |
| 4.2.19 <i>Swagger 1.5.18</i> .....  | 4-174      |
| 4.3 THIRD PARTY LIBRARIES .....   | 4-198      |
| 4.3.1 <i>Apache 2.0</i> .....   | 4-198      |
| 4.3.2 <i>BSD-Style License</i> .....                                      | 4-198      |
| 4.3.3 <i>Others</i> .....   | 4-199      |

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# 1. Preface

## 1.1 Introduction

This document helps you understand the guiding rules for Oracle FLEXCUBE Investor Servicing licensing, the components included in the license and the units that are separately licensed.

This document also provides information on the third party software packaged along with Oracle FLEXCUBE Investor Servicing.

## 1.2 Audience

This document is intended for the following audience:

- Customers
- Partners

## 1.3 Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/us/corporate/accessibility/index.html>.

## 1.4 Organization

This manual is organized into the following chapters:

| Chapter   | Description   |
|-----------|---|
| Chapter 1 | <i>Preface</i> gives information on the intended audience. It also lists the various chapters covered in this license guide.                  |
| Chapter 2 | <i>Oracle FLEXCUBE Investor Servicing Licensing</i> provides information on Oracle FLEXCUBE Investor Servicing licensing.                     |
| Chapter 3 | <i>Software Pre-requisites</i> consists of the technology pre-requisites required for Oracle FLEXCUBE Investor Servicing.                     |
| Chapter 4 | <i>Third Party Licenses</i> provides information on licensing of third party software packaged along with Oracle FLEXCUBE Investor Servicing. |

## 1.5 **Related Documents**

For more information, refer to the following documents:

- End user license agreement
- Oracle FLEXCUBE Investor Servicing User Manuals

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## **2. Oracle FLEXCUBE Investor Servicing Licensing**

### **2.1 Introduction**

This chapter provides information on Oracle FLEXCUBE Investor Servicing licensing. It contains the following sections:

- General licensing rules
- Components included in the license
- Separately licensed pre-requisite products and licensing metric
- Restricted use license

### **2.2 General Licensing Rules**

Not applicable for Oracle FLEXCUBE Investor Servicing products.

### **2.3 Components Included in License**

Not applicable for Oracle FLEXCUBE Investor Servicing products.

## **2.4 Separately Licensed Pre-requisite Products and Licensing Metric**

The module wise list of separately licensed products and the licensing metric is given below.

*For other separately licensable software pre-requisites, refer to the section Software Pre-requisites.*

| <b>Module Description</b>   | <b>Separately Licensed Prerequisites</b>  | <b>Licensing Metric(s)</b>     |
|---|---|--------------------------------|
| Oracle FLEXCUBE Investor Servicing for Mutual Funds   | Oracle FLEXCUBE Development Workbench for Investor Servicing  | \$M in Assets Under Management |
| Oracle FLEXCUBE Investor Servicing for Unit Linked Investment and Insurance Products <sup>1</sup> | Oracle FLEXCUBE Development Workbench for Investor Servicing  | \$M in Assets Under Management |
| Oracle FLEXCUBE Investor Servicing for Hedge Funds <sup>2</sup>                                   | Oracle FLEXCUBE Development Workbench for Investor Servicing  | \$M in Assets Under Management |
| Oracle FLEXCUBE Investor Servicing for Pension Funds  | Oracle FLEXCUBE Investor Servicing for Mutual Funds   | Investment Account             |
| <b>Oracle FLEXCUBE Open Development Tools</b>   |   |                                |
| Oracle FLEXCUBE Development Workbench for Investor Servicing                                      | Oracle FLEXCUBE Investor Servicing for Mutual Funds<br>or<br>Oracle FLEXCUBE Investor Servicing for Unit Linked Investment and Insurance Products<br>or<br>Oracle FLEXCUBE Investor Servicing for Hedge Funds | Application User               |

<sup>1</sup>The license program allows user to manage and administer an asset managed under Unit Linked Investment and Insurance products module in Mutual fund module as well. If any additional assets needs to be managed and administered only in Mutual Fund module, user will require to additionally license Mutual fund module.

<sup>2</sup>The license program allows user to manage and administer an equivalent amount of asset managed under Hedge Fund module in Mutual fund module as well. If any additional assets needs to be managed and administered only in Mutual Fund module, user will require to additionally license Mutual fund module

## **2.5 Restricted Use License**

OPSS 12.2.1.3.0 has been packaged within our application under RUL license.



## 3. Software Prerequisites

Following are the separately licensable software prerequisites for Oracle FLEXCUBE Investor Servicing Products.

### 3.1 Software Prerequisites

#### Tech Stack – Oracle

| Component                          | Deployment option       | Machine  | Operating System                                | Software  | Version Number                             |
|------------------------------------|-------------------------|--|---|---|--|
| Oracle FLEXCUBE Investor Servicing | UI-Host and Centralized | Application Server                             | Oracle Enterprise Linux Server 7.3 (x86 64 Bit) | Oracle Fusion Middleware Infrastructure (or) Oracle WebLogic Server | 12.2.1.3.0                                 |
|                                    |                         |  |   | Java HotSpot(TM) JDK (with WebLogic Application Server)             | JDK 1.8 Update 161                         |
|                                    |                         |  |   | Oracle Platform Security Services                                   | 12.2.1.3.0                                 |
|                                    |                         |  |   | Open Symphony Quartz  | 2.3.1-9f9e400                              |
|                                    |                         | Database Server                                | Oracle Enterprise Linux Server 7.3 (x86 64 Bit) | Oracle RDBMS Enterprise Edition                                     | 12.2.0.1.0                                 |
|                                    |                         | Document Management System                     | Oracle Enterprise Linux Server 7.3 (x86 64 Bit) | Oracle WebLogic Server  | 12.2.1.3.0                                 |
|                                    |                         |  |   | Oracle WebCenter Content Imaging                                    | 12.2.1.3.0                                 |
|                                    |                         | Reporting Server                               | Oracle Enterprise Linux Server 7.3 (x86 64 Bit) | Oracle BI Publisher   | 12.2.1.3.0                                 |
|                                    |                         |  |   | Java HotSpot(TM) JDK (with WebLogic Application Server)             | JDK 1.8 Update 161                         |
|                                    |                         | Oracle FLEXCUBE Information Server - Analytics | Oracle Enterprise Linux Server 7.3 (x86 64 Bit) | Oracle Business Intelligence Enterprise Edition (OBIEE)             | 12.2.1.3.0                                 |
|                                    |                         |  |   | Java HotSpot(TM) JDK (with WebLogic Application Server)             | JDK 1.8 Update 161                         |
|                                    |                         | Client Machines                                | #Supported Browsers                             | Internet Explorer   | Microsoft Internet Explorer Release (11.*) |
|                                    |                         |  |   | Mozilla Firefox   | Mozilla Firefox Release(57+)               |
|                                    |                         |  |   | Google Chrome   | Google Chrome Release(62.0.3202.94)        |
|                                    |                         |  |   | Microsoft Edge  | Microsoft Edge (41.16299.15)               |
|                                    |                         |  |   | Safari  | Safari 11+                                 |
| Single Sign                        | Oracle                  | JDK  | JDK 1.8 Update 161                              |   |  |

|  |                          |                    |   |   |                                 |
|--|--------------------------|--------------------|---|---|---------------------------------|
|  |                          | On Server          | Enterprise Linux Server 7.3 (x86 64 Bit)        | Oracle Fusion Middleware Infrastructure                             | 12.2.1.3.0                      |
|  |                          |                    |   | Oracle Identity And Access Management                               | 12.2.1.3.0                      |
|  |                          |                    |   | Oracle Identity Management(OID)                                     | 12.2.1.3.0                      |
|  |                          |                    |   | Oracle SOA  | 12.2.1.3.0                      |
|  |                          |                    |   | OID Connector   | OID 11.1.1.6.0                  |
| Oracle FLEXCUBE Investor Servicing BPEL/BPMN Processes and Process Framework | UI-Host and Centralized  | Application Server | Oracle Enterprise Linux Server 7.3 (x86 64 Bit) | Oracle Fusion Middleware Infrastructure                             | 12.2.1.3.0 (JDK 1.8 Update 161) |
|  |                          |                    |   | Oracle SOA Suite, Oracle BPM Suite                                  | 12.2.1.3.0                      |
| Oracle FLEXCUBE Investor Servicing Integration Gateway                       | Web services (incoming)  | Integration Server | Oracle Enterprise Linux Server 7.3 (x86 64 Bit) | Oracle Fusion Middleware Infrastructure (or) Oracle WebLogic Server | 12.2.1.3.0                      |
|  | HTTP Servlet (incoming)  |                    |   |   |                                 |
|  | EJB (incoming)           |                    |   |   |                                 |
|  | MDB (incoming)           |                    |   |   |                                 |
|  | Notifications (outgoing) |                    |   |   |                                 |

# Browser support is no longer based on Operating Systems but strictly tied to the browser themselves, no matter which Operating Systems they are installed on. Current release is certified on client workstations with Windows 7, 10 and Mac OS X.

### Tech Stack – IBM

| Component                          | Deployment option       | Machine  | Operating System                                | Software   | Version Number                                  |
|------------------------------------|-------------------------|--|---|--|---|
| Oracle FLEXCUBE Investor Servicing | UI-Host and Centralized | Application Server                                     | Oracle Enterprise Linux Server 7.3 (x86 64 Bit) | IBM WebSphere Application Server with inbuilt JVM (IBM JDK 1.8_64) | 9.0.0.5   |
|                                    |                         |  |   | IBM WebSphere MQ Server  | 9.0.4.0   |
|                                    |                         |  |   | Open Symphony Quartz   | 2.3.1-9f9e400                                   |
|                                    |                         | Database Server  | Oracle Enterprise Linux Server 7.3 (x86 64 Bit) | Oracle RDBMS Enterprise Edition                                    | 12.2.0.1.0                                      |
|                                    |                         | Client Machines  | #Supported Browsers                             | Internet Explorer  | Microsoft Internet Explorer Release (11.*)      |
|                                    |                         |  |   | Mozilla Firefox  | Mozilla Firefox Release(57+)                    |
|                                    |                         |  |   | Google Chrome  | Google Chrome Release(62.0.3202.94)             |
|                                    |                         |  |   | Microsoft Edge   | Microsoft Edge (41.16299.15)                    |
|                                    |                         |  |   | Safari   | Safari 11+                                      |
|                                    |                         | Oracle FLEXCUBE Investor Servicing Integration Gateway | Web services (incoming)                         | Integration Server   | Oracle Enterprise Linux Server 7.3 (x86 64 Bit) |
| HTTP Servlet (incoming)            |                         |  |   |  |   |
| EJB (incoming)                     |                         |  |   |  |   |
| MDB (incoming)                     | Integration Server      |  | Oracle Enterprise Linux Server 7.3 (x86 64 Bit) | IBM WebSphere Application Server with inbuilt JVM (IBM JDK 1.8_64) | 9.0.0.5   |
|                                    |                         |  |   | IBM WebSphere MQ Server  | 9.0.4.0   |
| Notifications (outgoing)           | Integration Server      |  | Oracle Enterprise Linux Server 7.3 (x86 64 Bit) | IBM WebSphere Application Server with inbuilt JVM (IBM JDK 1.8_64) | 9.0.0.5   |
|                                    |                         | IBM WebSphere MQ Server                                |   | 9.0.4.0  |   |

# Browser support is no longer based on Operating Systems but strictly tied to the browser themselves, no matter which Operating Systems they are installed on. Current release is certified on client workstations with Windows 7, 10 and Mac OS X.

### 3.2 Module-wise Software Prerequisites

| Product Name                            | Product Version | Requirements   |
|---|-----------------|--|
| Oracle WebLogic Server                  | 12.2.1.3.0      | Optional - Oracle FLEXCUBE Investor Servicing and Oracle FLEXCUBE Investor Servicing Integration Gateway supports both WebLogic and WebSphere.                     |
| Oracle Fusion Middleware Infrastructure | 12.2.1.3.0      | Optional - Oracle FLEXCUBE Investor Servicing and Oracle FLEXCUBE Investor Servicing Integration Gateway supports both WebLogic (Fusion Middleware) and WebSphere. |
| Oracle RDBMS Enterprise Edition         | 12.2.0.1.0      | Standard requirement   |
| Oracle WebCenter Content Imaging        | 12.2.1.3.0      | Optional – Kindly refer Section 3.1 for requisite component  |
| Oracle SOA Suite                        | 12.2.1.3.0      | Optional – Kindly refer Section 3.1 for requisite component  |
| Oracle Business Intelligence Publisher  | 12.2.1.3.0      | Optional – Kindly refer Section 3.1 for requisite component  |
| Oracle Identity and Access Management   | 12.2.1.3.0      | Optional – Only if SSO is required   |
| Oracle Identity Management              | 12.2.1.3.0      | Optional – Only if SSO is required   |
| OBIEE                                   | 12.2.1.3.0      | Optional - Oracle FLEXCUBE Requirement.  |
| IBM WebSphere Server                    | 9.0.0.5         | Optional - Oracle FLEXCUBE Investor Servicing and Oracle FLEXCUBE Investor Servicing Integration Gateway supports both WebLogic (Fusion Middleware) and WebSphere. |
| IBM WebSphere MQ Server                 | 9.0.4.0         | Optional – Required for Oracle FLEXCUBE Investor Servicing and Oracle FLEXCUBE Investor Servicing Integration Gateway on WebSphere                                 |

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## 4. Third Party Licenses

### 4.1 Introduction

This chapter provides information on licensing of third party software that are packaged with Oracle FLEXCUBE Investor Servicing. It contains the following sections:

- Apache License 2.0
- BSD-Style License
- Third Party Libraries

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Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi)

Other developers who have contributed code are:

\* Brian Langel

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`src/test/org/apache/commons/codec/language/DoubleMetaphoneTest.java`

contains test data from <http://aspell.net/test/orig/batch0.tab>.

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#### **4.2.15 GSON 2.8.5**

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Other developers who have contributed code are:

\* Brian Langel

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FOURTH PARTY DEPENDENCY #4:jackson-annotations 2.9.5.jar

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FOURTH PARTY DEPENDENCY #5: jackson-databind 2.9.5.jar

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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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Jackson core and extension components may be licensed under different licenses.

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## Credits

A list of contributors may be found from CREDITS file, which is included

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FOURTH PARTY DEPENDENCY #6: jackson-dataformat-yaml 2.9.5.jar

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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.

## ## Licensing

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FOURTH PARTY DEPENDENCY #7: reflections-0.9.11.jar

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From website: <https://github.com/ronmamo/reflections/blob/master/COPYING.txt>



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Version 2, December 2004

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## 4.3 Third Party Libraries

This section provides details of the libraries that use the following third party software.

- Apache 2.0
- BSD-Style License

### 4.3.1 Apache 2.0

- Apache Commons Codec 1.11
- Apache Commons Transaction 1.2
- Apache POI 3.17
- Commons Collections 4.1
- Commons IO 2.6
- Commons Net 3.6
- Log4j 2.10.0
- ANT 1.10.1
- Commons Logging 1.2
- PJB Compression Filter 2.3.0 (ziplet 2.3.0)
- Quartz 2.3.1-9f9e400
- Apache Camel 2.22.2
- Commons-Lang 3.7
- Log4j 2.11.1-7333573
- GSON 2.8.5
- guava 25.1
- Spring Boot 2.0.7.RELEASE
- Swagger 1.5.18

### 4.3.2 BSD-Style License

DOM4J is a registered trademark of MetaStuff, Ltd. (<http://www.dom4j.org>) For license information, See *"BSD-Style License" in Section 4.5*

- dom4j-2.1.0.jar

The below library includes software developed by The Yahoo (<http://developer.yahoo.com/yui>).

*For license information, See “BSD-Style License” in Section 4.5*

- yuicompressor - 2.4.8-958491d.jar

### **4.3.3 Others**

Below library is included as part of this license:

- Reflections 0.9.11