

License Guide

**Oracle FLEXCUBE Universal Banking**

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Licensing Guide  
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# 1. Preface

## 1.1 Introduction

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

This document also provides information on the third party software that are packaged with Oracle FLEXCUBE Universal Banking.

## 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/pls/topic/lookup?ctx=acc&id=docacc>.

## 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 Universal Banking Licensing</i> provides information on Oracle FLEXCUBE Universal Banking licensing.                         |
| Chapter 3 | <i>Software Pre-requisites</i> consists of the technology pre-requisites required for Oracle FLEXCUBE Universal Banking.                        |
| Chapter 4 | <i>Third Party Licenses</i> provides information on licensing of third party software that are packaged with Oracle FLEXCUBE Universal Banking. |

## 1.5 Related Documents

For more information, refer to the following documents:

- End user license agreement
- Oracle FLEXCUBE User Manuals

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## 2. Oracle FLEXCUBE Universal Banking Licensing

### 2.1 Introduction

This chapter provides information on Oracle FLEXCUBE Universal Banking 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

Oracle FLEXCUBE Universal Banking has 14 modules that can be licensed by either account metric or by application user metric.

The following table lists out the modules which are primarily retail or corporate. The licensing rule against each of them defines how these modules would get licensed based on the usage of the bank.

| Sl. No.               | Module Description  | Licensing Rule(s)  |
|-----------------------|---|--|
| <b>Retail Modules</b> |   |  |
| 1                     | Oracle FLEXCUBE Universal Banking Current Accounts and Savings Accounts | If the customer is using Universal Banking for Retail programs, these applications may only be licensed by the Account metric. However, if the customer is using Universal Banking for Corporate, and is not using Universal Banking for Retail, then a customer may license these programs under the Application User metric. |
| 2                     | Oracle FLEXCUBE Universal Banking Payments and Collections              |  |
| 3                     | Oracle FLEXCUBE Universal Banking Standing Instructions                 |  |
| 4                     | Oracle FLEXCUBE Universal Banking Collections                           |  |
| 5                     | Oracle FLEXCUBE Universal Banking Loans*                                |  |
| 6                     | Oracle FLEXCUBE Universal Banking Account Origination                   |  |
| 7                     | Oracle FLEXCUBE Universal Banking Retail Loan Origination               |  |

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1 Oracle FLEXCUBE Universal Banking Loans module is available as (i) Oracle FLEXCUBE Universal Banking Retail and Small and Medium Enterprise Loans, licensable by the Account metric, in the Enterprise Price List; and as (ii) Oracle FLEXCUBE Universal Banking Commercial Loans, licensable by the Application User metric, in the Component Price List.

| Sl. No.                  | Module Description   | Licensing Rule(s)  |
|--------------------------|--|--|
| <b>Corporate Modules</b> |  |  |
| 8                        | Oracle FLEXCUBE Universal Banking Funds Transfer               | If the customer is using Universal Banking for Corporate programs, these applications may only be licensed by the Application User. However, if the customer is using Universal Banking for Retail, and is not using Universal Banking for Corporate, then a customer may license these programs under the Account metric. |
| 9                        | Oracle FLEXCUBE Universal Banking Electronic Messaging Service |  |
| 10                       | Oracle FLEXCUBE Universal Banking Nostro Reconciliation        |  |
| 11                       | Oracle FLEXCUBE Universal Banking Cash Management              |  |
| 12                       | Oracle FLEXCUBE Universal Banking Commercial Leasing           |  |
| 13                       | Oracle FLEXCUBE Universal Banking Integration Gateway          |  |
| 14                       | Oracle FLEXCUBE Universal Banking Commercial Loans Origination |  |

## 2.3 Components Included in License

The following components are included in the Oracle FLEXCUBE Universal Banking license:

1. **Signature Verification:** is included with FLEXCUBE Universal Banking Current Accounts and Savings Accounts license.
2. **Utility Payments:** is included with Oracle FLEXCUBE Universal Banking Branch license.
3. **Islamic Banking Support:** The following Oracle FLEXCUBE Universal Banking module licenses have support for Islamic Banking.
  - Oracle FLEXCUBE Universal Banking Base
  - Oracle FLEXCUBE Universal Banking Asset Management
  - Oracle FLEXCUBE Universal Banking Bills and Collection
  - Oracle FLEXCUBE Universal Banking Cash Management
  - Oracle FLEXCUBE Universal Banking Collections
  - Oracle FLEXCUBE Universal Banking Current Accounts and Savings Accounts
  - Oracle FLEXCUBE Universal Banking Fixed Assets
  - Oracle FLEXCUBE Universal Banking Letters of Credit
  - Oracle FLEXCUBE Universal Banking Money Markets
  - Oracle FLEXCUBE Universal Banking Relationship Pricing
  - Oracle FLEXCUBE Universal Banking Retail and Small and Medium Enterprise Loans
  - Oracle FLEXCUBE Universal Banking Retail Loan Origination
  - Oracle FLEXCUBE Universal Banking Swaps and Forward Rate Agreements
  - Oracle FLEXCUBE Universal Banking Term Deposits

## 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 Universal Banking Base   | <ul style="list-style-type: none"> <li>Oracle FLEXCUBE Development Workbench for Universal Banking</li> </ul>   | <ul style="list-style-type: none"> <li>Application User</li> <li>Custom Suite User</li> <li>Account</li> </ul> |
| Oracle FLEXCUBE Universal Banking Process Framework Base                       | <ul style="list-style-type: none"> <li>Oracle FLEXCUBE Development Workbench for Universal Banking</li> </ul>   | <ul style="list-style-type: none"> <li>Application User</li> <li>Custom Suite User</li> <li>Account</li> </ul> |
| Oracle FLEXCUBE Universal Banking Current Accounts and Savings Accounts        | <ul style="list-style-type: none"> <li>Oracle FLEXCUBE Universal Banking Base</li> </ul>  | <ul style="list-style-type: none"> <li>Application User</li> <li>Custom Suite User</li> <li>Account</li> </ul> |
| Oracle FLEXCUBE Universal Banking Relationship Pricing                         | <ul style="list-style-type: none"> <li>Oracle FLEXCUBE Universal Banking Base</li> <li>Either Oracle FLEXCUBE Universal Banking Current Accounts &amp; Savings Accounts OR Oracle FLEXCUBE Universal Banking Term Deposits</li> </ul> | <ul style="list-style-type: none"> <li>Account</li> </ul>  |
| Oracle FLEXCUBE Universal Banking Term Deposits                                | <ul style="list-style-type: none"> <li>Oracle FLEXCUBE Universal Banking Base</li> </ul>  | <ul style="list-style-type: none"> <li>Account</li> </ul>  |
| Oracle FLEXCUBE Universal Banking Retail and Small and Medium Enterprise Loans | <ul style="list-style-type: none"> <li>Oracle FLEXCUBE Universal Banking Base</li> </ul>  | <ul style="list-style-type: none"> <li>Account</li> </ul>  |
| Oracle FLEXCUBE Universal Banking Payments and Collections                     | <ul style="list-style-type: none"> <li>Oracle FLEXCUBE Universal Banking Base</li> </ul>  | <ul style="list-style-type: none"> <li>Application User</li> <li>Custom Suite User</li> <li>Account</li> </ul> |
| Oracle FLEXCUBE Universal Banking Funds Transfer                               | <ul style="list-style-type: none"> <li>Oracle FLEXCUBE Universal Banking Base</li> </ul>  | <ul style="list-style-type: none"> <li>Application User</li> <li>Custom Suite User</li> <li>Account</li> </ul> |

| <b>Module Description</b>  | <b>Separately Licensed Prerequisites</b>  | <b>Licensing Metric(s)</b>   |
|--|---|--|
| Oracle FLEXCUBE Universal Banking Electronic Messaging Service         | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul>  | <ul style="list-style-type: none"> <li>• Application User</li> <li>• Custom Suite User</li> <li>• Account</li> </ul> |
| Oracle FLEXCUBE Universal Banking Nostro Reconciliation                | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul>  | <ul style="list-style-type: none"> <li>• Application User</li> <li>• Custom Suite User</li> <li>• Account</li> </ul> |
| Oracle FLEXCUBE Universal Banking Standing Instructions                | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul>  | <ul style="list-style-type: none"> <li>• Application User</li> <li>• Custom Suite User</li> <li>• Account</li> </ul> |
| Oracle FLEXCUBE Universal Banking Cash Management                      | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul>  | <ul style="list-style-type: none"> <li>• Application User</li> <li>• Custom Suite User</li> <li>• Account</li> </ul> |
| Oracle FLEXCUBE Universal Banking Branch                               | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul>  | <ul style="list-style-type: none"> <li>• Account</li> </ul>  |
| Oracle FLEXCUBE Universal Banking ATM Interface                        | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul>  | <ul style="list-style-type: none"> <li>• Account</li> </ul>  |
| Oracle FLEXCUBE Universal Banking Point of Sale Interface              | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul>  | <ul style="list-style-type: none"> <li>• Account</li> </ul>  |
| Oracle FLEXCUBE Universal Banking Interactive Voice Response Interface | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul>  | <ul style="list-style-type: none"> <li>• Account</li> </ul>  |
| Oracle FLEXCUBE Universal Banking Mortgages                            | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul>  | <ul style="list-style-type: none"> <li>• Account</li> </ul>  |
| Oracle FLEXCUBE Universal Banking Consumer Leasing                     | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul>  | <ul style="list-style-type: none"> <li>• Account</li> </ul>  |
| Oracle FLEXCUBE Universal Banking Commercial Leasing                   | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul>  | <ul style="list-style-type: none"> <li>• Application User</li> <li>• Custom Suite User</li> <li>• Account</li> </ul> |
| Oracle FLEXCUBE Universal Banking Inventory Management                 | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> <li>• Oracle FLEXCUBE Universal Banking Current Accounts &amp; Savings Accounts</li> </ul> | <ul style="list-style-type: none"> <li>• Account</li> </ul>  |



| <b>Module Description</b>   | <b>Separately Licensed Prerequisites</b>   | <b>Licensing Metric(s)</b>   |
|---|--|--|
| Oracle FLEXCUBE Universal Banking Collections   | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul>   | <ul style="list-style-type: none"> <li>• Application User</li> <li>• Custom Suite User</li> <li>• Account</li> </ul> |
| Oracle FLEXCUBE Universal Banking Microfinance  | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> <li>• Oracle FLEXCUBE Universal Banking Retail and Small and Medium Enterprise Loans</li> </ul> | <ul style="list-style-type: none"> <li>• Account</li> </ul>  |
| Oracle FLEXCUBE Universal Banking Safe Deposit Box  | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul>   | <ul style="list-style-type: none"> <li>• Account</li> </ul>  |
| Oracle FLEXCUBE Universal Banking Corporate Deposits  | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul>   | <ul style="list-style-type: none"> <li>• Application User</li> <li>• Custom Suite User</li> </ul>                    |
| Oracle FLEXCUBE Universal Banking Commercial Loans  | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul>   | <ul style="list-style-type: none"> <li>• Application User</li> <li>• Custom Suite User</li> </ul>                    |
| Oracle FLEXCUBE Universal Banking Loan Syndication  | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul>   | <ul style="list-style-type: none"> <li>• Application User</li> <li>• Custom Suite User</li> </ul>                    |
| Oracle FLEXCUBE Universal Banking Bills & Collection  | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul>   | <ul style="list-style-type: none"> <li>• Application User</li> <li>• Custom Suite User</li> </ul>                    |
| Oracle FLEXCUBE Universal Banking Letters of Credit   | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul>   | <ul style="list-style-type: none"> <li>• Application User</li> <li>• Custom Suite User</li> </ul>                    |
| Oracle FLEXCUBE Universal Banking Foreign Exchange  | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul>   | <ul style="list-style-type: none"> <li>• Application User</li> <li>• Custom Suite User</li> </ul>                    |
| Oracle FLEXCUBE Universal Banking Money Markets   | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul>   | <ul style="list-style-type: none"> <li>• Application User</li> <li>• Custom Suite User</li> </ul>                    |
| Oracle FLEXCUBE Universal Banking Swaps and Forward Rate Agreements                               | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul>   | <ul style="list-style-type: none"> <li>• Application User</li> <li>• Custom Suite User</li> </ul>                    |
| Oracle FLEXCUBE Universal Banking Exchange Traded Derivatives for Commodities Futures and Options | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul>   | <ul style="list-style-type: none"> <li>• Application User</li> <li>• Custom Suite User</li> </ul>                    |

| <b>Module Description</b>  | <b>Separately Licensed Prerequisites</b>   | <b>Licensing Metric(s)</b>  |
|--|--|---|
| Oracle FLEXCUBE Universal Banking Exchange Traded Derivatives for Currency Futures and Options         | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul> | <ul style="list-style-type: none"> <li>• Application User</li> <li>• Custom Suite User</li> </ul> |
| Oracle FLEXCUBE Universal Banking Exchange Traded Derivatives for Equity and Index Futures and Options | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul> | <ul style="list-style-type: none"> <li>• Application User</li> <li>• Custom Suite User</li> </ul> |
| Oracle FLEXCUBE Universal Banking Exchange Traded Derivatives for Interest Rate Futures and Options    | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul> | <ul style="list-style-type: none"> <li>• Application User</li> <li>• Custom Suite User</li> </ul> |
| Oracle FLEXCUBE Universal Banking Over the Counter Currency Options                                    | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul> | <ul style="list-style-type: none"> <li>• Application User</li> <li>• Custom Suite User</li> </ul> |
| Oracle FLEXCUBE Universal Banking Over the Counter Interest Rate Options                               | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul> | <ul style="list-style-type: none"> <li>• Application User</li> <li>• Custom Suite User</li> </ul> |
| Oracle FLEXCUBE Universal Banking Securities   | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul> | <ul style="list-style-type: none"> <li>• Application User</li> <li>• Custom Suite User</li> </ul> |
| Oracle FLEXCUBE Universal Banking Fixed Assets   | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul> | <ul style="list-style-type: none"> <li>• Application User</li> <li>• Custom Suite User</li> </ul> |

| <b>Module Description</b>                            | <b>Separately Licensed Prerequisites</b>  | <b>Licensing Metric(s)</b>  |
|--|---|---|
| Oracle FLEXCUBE Universal Banking Asset Management   | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base and EITHER of the below modules               <ul style="list-style-type: none"> <li>– Oracle FLEXCUBE Universal Banking Securities</li> <li>– Oracle FLEXCUBE Universal Banking Exchange Traded Derivatives for Interest Rate Futures and Options,</li> <li>– Oracle FLEXCUBE Universal Banking Exchange Traded Derivatives for Currency Futures and Options</li> <li>– Oracle FLEXCUBE Universal Banking Exchange Traded Derivatives for Equity and Index Futures and Options</li> <li>– Oracle FLEXCUBE Universal Banking Exchange Traded Derivatives for Commodities Futures and Options</li> <li>– Oracle FLEXCUBE Universal Banking Over the Counter Currency Options</li> <li>– Oracle FLEXCUBE Universal Banking Over the Counter Interest Rate Options</li> <li>– Oracle FLEXCUBE Universal Banking Swaps and Forward Rate Agreements</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>• Application User</li> <li>• Custom Suite User</li> </ul> |
| Oracle FLEXCUBE Universal Banking Expense Processing | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul>  | <ul style="list-style-type: none"> <li>• Application User</li> <li>• Custom Suite User</li> </ul> |

| <b>Module Description</b>                                       | <b>Separately Licensed Prerequisites</b>   | <b>Licensing Metric(s)</b>  |
|---|--|---|
| <b>Oracle FLEXCUBE Universal Banking Origination</b>            |  |   |
| Oracle FLEXCUBE Universal Banking Account Origination           | <ul style="list-style-type: none"> <li>Oracle FLEXCUBE Universal Banking Base</li> </ul> | <ul style="list-style-type: none"> <li>Application User</li> <li>Custom Suite User</li> <li>Account</li> </ul>                    |
| Oracle FLEXCUBE Universal Banking Term Deposits Origination     | <ul style="list-style-type: none"> <li>Oracle FLEXCUBE Universal Banking Base</li> </ul> | <ul style="list-style-type: none"> <li>Account</li> </ul>   |
| Oracle FLEXCUBE Universal Banking Credit Lines Origination      | <ul style="list-style-type: none"> <li>Oracle FLEXCUBE Universal Banking Base</li> </ul> | <ul style="list-style-type: none"> <li>Application User</li> <li>Custom Suite User</li> </ul>                                     |
| Oracle FLEXCUBE Universal Banking Letters of Credit Origination | <ul style="list-style-type: none"> <li>Oracle FLEXCUBE Universal Banking Base</li> </ul> | <ul style="list-style-type: none"> <li>Application User</li> <li>Custom Suite User</li> </ul>                                     |
| Oracle FLEXCUBE Universal Banking Retail Loan Origination       | <ul style="list-style-type: none"> <li>Oracle FLEXCUBE Universal Banking Base</li> </ul> | <ul style="list-style-type: none"> <li>Application User</li> <li>Custom Suite User</li> <li>Account</li> </ul>                    |
| Oracle FLEXCUBE Universal Banking Commercial Loans Origination  | <ul style="list-style-type: none"> <li>Oracle FLEXCUBE Universal Banking Base</li> </ul> | <ul style="list-style-type: none"> <li>Application User</li> <li>Custom Suite User</li> <li>Account</li> </ul>                    |
| <b>Oracle FLEXCUBE Open Development Tools</b>                   |  |   |
| Oracle FLEXCUBE Development Workbench for Universal Banking     | <ul style="list-style-type: none"> <li>Oracle FLEXCUBE Universal Banking Base</li> </ul> | <ul style="list-style-type: none"> <li>Application User</li> </ul>  |
| Oracle FLEXCUBE Testing Workbench for Universal Banking         | <ul style="list-style-type: none"> <li>Oracle FLEXCUBE Universal Banking Base</li> </ul> | <ul style="list-style-type: none"> <li>Application User</li> </ul>  |
| <b>Oracle FLEXCUBE Interfaces and Tools</b>                     |  |   |
| Oracle FLEXCUBE Universal Banking Integration Gateway           | <ul style="list-style-type: none"> <li>Oracle FLEXCUBE Universal Banking Base</li> </ul> | <ul style="list-style-type: none"> <li>Application User</li> <li>Custom Suite User</li> <li>Account</li> <li>Processor</li> </ul> |

| <b>Module Description</b>   | <b>Separately Licensed Prerequisites</b>  | <b>Licensing Metric(s)</b>                                    |
|---|---|---|
| Oracle FLEXCUBE Universal Banking Connector for Oracle Identity Manager               | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul>  | <ul style="list-style-type: none"> <li>• Connector</li> </ul> |
| <b>Oracle FLEXCUBE Information Server</b>   |   |   |
| Oracle FLEXCUBE Information Server Base for Universal Banking                         | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Universal Banking Base</li> </ul>  | <ul style="list-style-type: none"> <li>• Account</li> </ul>   |
| Oracle FLEXCUBE Information Server Retail Liabilities Data Mart for Universal Banking | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Information Server Base for Universal Banking</li> <li>• Oracle FLEXCUBE Universal Banking Current Accounts and Savings Accounts</li> <li>• Oracle FLEXCUBE Universal Banking Term Deposits</li> </ul>                                 | <ul style="list-style-type: none"> <li>• Account</li> </ul>   |
| Oracle FLEXCUBE Information Server Retail Assets Data Mart for Universal Banking      | <ul style="list-style-type: none"> <li>• Oracle FLEXCUBE Information Server Base for Universal Banking</li> <li>• Oracle FLEXCUBE Universal Banking Current Accounts and Savings Accounts</li> <li>• Oracle FLEXCUBE Universal Banking Retail and Small and Medium Enterprises Loans</li> </ul> | <ul style="list-style-type: none"> <li>• Account</li> </ul>   |

## **2.5 Restricted Use License**

Not applicable for the FLEXCUBE Universal Banking Products.

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## 3. Software Prerequisites

Following are the separately licensable software prerequisites for Oracle FLEXCUBE Universal Banking Products.

### 3.1 Software Prerequisites

| Component                         | Deployment option       | Machine                      | Operating System  | Software   | Version                 |
|-----------------------------------|-------------------------|------------------------------|---|--|-------------------------|
| Oracle FLEXCUBE Universal Banking | UI-Host and centralized | Application server           | Oracle Enterprise Linux Server 7.6(64 Bit)                  | Oracle WebLogic Server 12C (JDK 1.7 Update 80)                     | 12.2.1.4.0              |
|                                   |                         |                              |   | Java HotSpot(TM) JDK (with WebLogic Application Server)            | JDK 1.8 Update 241      |
|                                   |                         |                              |   | Open Symphony Quartz   | 2.3.2                   |
|                                   |                         |                              |   | IBM WebSphere Application Server with inbuilt JVM (IBM JDK 1.8_64) | 9.0.0.0                 |
|                                   |                         |                              |   | IBM WebSphere MQ Server  | 9.0.0.0                 |
|                                   |                         |                              |   | Oracle WebCenter Imaging   | 12.2.1.4.0              |
|                                   |                         |                              |   | Oracle RDBMS Enterprise Edition                                    | 19.6.0.0.0              |
|                                   |                         | Database Server              |   |  |                         |
|                                   |                         | Reporting Server             | Oracle BI Publisher 11g                                     | 5.5.0  |                         |
|                                   |                         | FLEX-CUBE Information server | Oracle Business Intelligence Enterprise Edition 11g (OBIEE) | 5.5.0  |                         |
|                                   |                         | Client Machines              | Windows 10  | Internet Explorer  | Internet Explorer (11+) |
|                                   |                         |                              |   | Mozilla Firefox  | (66+)                   |
|                                   |                         |                              |   | Google Chrome  | (73+)                   |
|                                   |                         |                              |   | Microsoft Edge   | Microsoft Edge 44+      |

| <b>Component</b>                  | <b>Deployment option</b> | <b>Machine</b>                            | <b>Operating System</b>                    | <b>Software</b>                     | <b>Version</b>     |
|-----------------------------------|--------------------------|---|--|-------------------------------------|--------------------|
| Oracle FLEXCUBE Universal Banking | UI-Host and centralized  | Client Machine                            | Mac OS X                                   | Mozilla Firefox                     | 62+                |
|                                   |                          |   |  | Safari                              | Safari 12+         |
|                                   |                          |   |  | Google Chrome                       | Google Chrome 73+  |
|                                   |                          | Single Sign On Server                     | Oracle Enterprise Linux Server 6.6(64 Bit) | JDK                                 | JDK 1.8 Update 241 |
|                                   |                          |   |  | Weblogic                            | 12.2.1.4.0         |
|                                   |                          |   |  | RCU Utility (Windows)               | 12.2.1.4.0         |
|                                   |                          |   |  | Oracle Identity Manager             | 12.2.1.4.0         |
|                                   |                          |   |  | Oracle SOA                          | 12.2.1.4.0         |
|                                   |                          |   |  | Oracle Access Manager               | 12.2.1.4.0         |
|                                   | Oracle Webtier Utilities |   |  | 12.2.1.4.0                          |                    |
|                                   | Oracle Webgate           |   |  | 12.2.1.4.0                          |                    |
|                                   | OID Connector            |   |  | OID 11.1.1.6.0                      |                    |
|                                   | UI Decentralized branch  | Branch Application Server - Decentralized | Oracle Enterprise Linux Server 7.6(64 Bit) | Apache Tomcat                       | 8.0.24             |
|                                   |                          | Database Branch for Decentralized mode    |  | Oracle 12c RDBMS Enterprise Edition | 19.6.0.0.0         |



| Component   | Deployment option        | Machine            | Operating System                           | Software  | Version    |
|---|--------------------------|--------------------|--|---|------------|
| Oracle FLEXCUBE Universal Banking BPEL/BPMN Processes and Process Framework | UI                       | Application server | Oracle Enterprise Linux Server 7.6(64 Bit) | Oracle WebLogic Server 12C (JDK 1.7 Update 80)                                    | 12.1.4.0.0 |
|   |                          |                    |  | Oracle Repository Creation Utility (RCU) - To create SOA related schemas for BPEL | 12.1.4.0.0 |
|   |                          |                    |  | Oracle SOA Suite 12c, Oracle BPM Suite 12c  | 12.1.4.0.0 |
| Oracle FLEXCUBE Universal Banking Integration Gateway                       | Web services (incoming)  | Integration Server | Oracle Enterprise Linux Server 7.6(64 Bit) | Oracle WebLogic Server 12C (JDK 1.7 Update 80)                                    | 12.1.4.0.0 |
|   | HTTP Servlet (incoming)  |                    |  | IBM WebSphere Application Server with inbuilt JVM (IBM JDK 1.7_64)                | 9.0.0.0    |
|   | EJB (incoming)           |                    |  | IBM WebSphere MQ Server   | 9.0.0.0    |
|   | MDB (incoming)           | Integration Server | Oracle Enterprise Linux Server 7.6(64 Bit) | Oracle WebLogic Server 12C (JDK 1.7 Update 80)                                    | 12.2.1.4.0 |
|   |                          |                    |  | IBM WebSphere Application Server with inbuilt JVM (IBM JDK 1.7_64)                | 9.0.0.0    |
|   |                          |                    |  | IBM WebSphere MQ Server   | 9.0.0.0    |
|   |                          |                    |  | Oracle WebLogic Server 12C (JDK 1.7 Update 80)                                    | 12.1.4.0.0 |
|   | Notifications (outgoing) | Integration Server | Oracle Enterprise Linux Server 7.6(64 Bit) | IBM WebSphere Application Server with inbuilt JVM (IBM JDK 1.8_64)                | 9.0.0.0    |
|   |                          |                    |  | IBM WebSphere MQ Server   | 9.0.0.0    |
|   |                          |                    |  | IBM WebSphere MQ Server   | 9.0.0.0    |

| Component  | Deployment option          | Machine            | Operating System                           | Software   | Version            |
|--|----------------------------|--------------------|--|------------|--------------------|
| Oracle FLEXCUBE Universal Banking Switch Integration Gateway | Switch Integration Gateway | Integration Server | Oracle Enterprise Linux Server 7.3(64 Bit) | JDK 1.7    | JDK 1.8 Update 241 |
|  |                            |                    |  | Apache Ant | 1.9.3              |

## 3.2 Module-wise Software Prerequisites

| Product Name                                    | Product Version   | Requirements   |
|---|-------------------|--|
| Oracle Jdeveloper                               | 12.1.3.0.0        | Optional – Required only if Originations are licensed  |
| Oracle WebCenter Imaging                        | 11.1.1.8.0        | Optional - Required only if Document Management System (DMS) integration is required.  |
| Oracle Weblogic Server                          | 12.1.3.0.0        | Optional - Oracle FLEXCUBE supports both Weblogic and Web-sphere   |
| Java HotSpot(TM) JDK                            | JDK 1.7 Update 80 | Standard Oracle FLEXCUBE requirement   |
| Oracle SOA Suite                                | 12.1.3.0.0        | Optional – Required only if Originations are licensed  |
| Oracle BPM suite                                | 12.1.3.0.0        | Optional – Required only if Originations are licensed  |
| Oracle Business Intelligence Publisher          | 11.1.1.7.0        | Standard Oracle FLEXCUBE requirement   |
| Oracle Access Manager                           | 11.1.2.2.0        | Optional – Only if SSO is required   |
| Oracle Identity Manager                         | 11.1.2.2.0        | Optional – Only if SSO is required   |
| Oracle Repository Creation Utility              | 12.1.3.0.0        | Optional – Required only if Originations are licensed  |
| Oracle Business Intelligence Enterprise Edition | 11.1.1.7.0        | Optional - Required only if FLEX-CUBE Information Server is installed or if metadata repository based adhoc reporting is needed. |

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## 4. Third Party Licenses

### 4.1 Introduction

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- Apache 2.0
- Apache 1.1
- MIT License

- BSD-Style License
- SSH Tools
- Eclipse Link 2.5.2

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- commons-dbc-2.1.jar
- commons-fileupload-1.3.1.jar
- httpclient-4.3.3.jar
- httpcore-4.3.2.jar
- commons-logging-1.1.3.jar
- commons-pool-2.2.jar
- commons-net-3.3.jar
- commons-transaction-1.2.0.jar
- poi-3.11.jar
- poi-ooxml-3.11.jar
- poi-ooxml-schemas-3.11.jar
- Quartz 2.2.1.jar
- serializer2.7.1.jar
- xalan-2.7.1.jar
- commons-codec-1.9.jar
- commons-io-2.4.jar
- xercesImpl-2.11.0.jar
- xml-apis-1.4.01.jar
- log4j1.2.17.jar
- xmlbeans-2.6.0.jar
- pjl-comp-filter-1.8.1
- Ant 1.9.3
- FontBox-1.8.4.jar
- PDFBox-1.8.4.jar

#### 4.6.2 **Apache 1.1**

The following libraries include software developed by The Apache Software Foundation (<http://www.apache.org/>).

*For license information, See “Apache License 2.0” on page 1..*

- commons-discovery-0.5.jar
- resolver-1.2.jar

#### 4.6.3 **MIT License**

The below libraries includes software developed by SLF4J (<http://www.slf4j.org/>).

For license information, See *"MIT License" on page 7.*

- slf4j-api-1.7.7.jar
- slf4j-log4j12-1.7.7.jar

#### **4.6.4 BSD-Style License**

DOM4J is a registered trademark of MetaStuff, Ltd. (<http://www.dom4j.org>)

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- dom4j-1.6.1.jar

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

For license information, See *"BSD-Style License" on page 8.*

- yuicompressor-2.4.8.jar

#### **4.6.5 SSH Tools**

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