

License Guide
Oracle FLEXCUBE Universal Banking
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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 Related Documents

For more information, refer to the following documents:

- End user license agreement
- Oracle FLEXCUBE Universal Banking User Manuals

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

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)
Retail Modules		
1	Oracle FLEXCUBE Universal Banking Current Accounts and Savings Accounts	If the customer is using Universal Banking for Retail pro- grams, these applications may only be licensed by the Account metric. How- ever, 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 Standing Instructions	
3	Oracle FLEXCUBE Universal Banking Collections	
4	Oracle FLEXCUBE Universal Banking Account Origination	
5	Oracle FLEXCUBE Universal Banking Retail Loan Origination	

Sl. No.	Module Description	Licensing Rule(s)
Corporate Modules		
6	Oracle FLEXCUBE Universal Banking Nostro Reconciliation	If the customer is using Universal Banking for Corporate pro- grams, 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.
7	Oracle FLEXCUBE Universal Banking Commercial Leasing	
8	Oracle FLEXCUBE Integration Gateway	

2.3 Components Included in License

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

1. **Signature Verification:** is included with Oracle FLEXCUBE Universal Banking Current Accounts and Savings Accounts license
2. **Utility Payments:** is included with Oracle FLEXCUBE Universal Banking Branch license

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.

Module Description	Separately Licensed Prerequisites	Licensing Metric(s)
Oracle FLEXCUBE Universal Banking Base*	Oracle FLEXCUBE Development Workbench Oracle FLEXCUBE Integration Gateway	Financial Inclusion Account Application User Custom Suite User Account

Oracle FLEXCUBE Universal Banking Current Accounts and Savings Accounts	Oracle FLEXCUBE Universal Banking Base	Financial Inclusion Account Application User Custom Suite User Account
Oracle FLEXCUBE Universal Banking Relationship Pricing	Oracle FLEXCUBE Universal Banking Base and Either Oracle FLEXCUBE Universal Banking Current Accounts and Savings Accounts OR Oracle FLEXCUBE Universal Banking Term Deposits	Account
Oracle FLEXCUBE Universal Banking Term Deposits	Oracle FLEXCUBE Universal Banking Base	Account
Oracle FLEXCUBE Universal Banking Retail and Small and Medium Enterprise Loans	Oracle FLEXCUBE Universal Banking Base	Account Financial Inclusion Account
Oracle FLEXCUBE Universal Banking Nostro Reconciliation	Oracle FLEXCUBE Universal Banking Base	Application User Custom Suite User Account
Oracle FLEXCUBE Universal Banking Standing Instructions	Oracle FLEXCUBE Universal Banking Base	Application User Custom Suite User Account
Oracle FLEXCUBE Universal Banking Branch	Oracle FLEXCUBE Universal Banking Base	Account Financial Inclusion Account
Oracle FLEXCUBE Universal Banking ATM Interface	Oracle FLEXCUBE Universal Banking Base	Account Financial inclusion Account
Oracle FLEXCUBE Universal Banking Point of Sale Interface	Oracle FLEXCUBE Universal Banking Base	Account Financial Inclusion Account
Oracle FLEXCUBE Universal Banking Interactive Voice Response Interface	Oracle FLEXCUBE Universal Banking Base	Account
Oracle FLEXCUBE Universal Banking Process Framework Base	Oracle FLEXCUBE Universal Banking Base	Account

Oracle FLEXCUBE Universal Banking Mortgages	Oracle FLEXCUBE Universal Banking Base	Account
Oracle FLEXCUBE Universal Banking Consumer Leasing	Oracle FLEXCUBE Universal Banking Base	Account
Oracle FLEXCUBE Universal Banking Commercial Leasing	Oracle FLEXCUBE Universal Banking Base	Application User Custom Suite User Account
Oracle FLEXCUBE Universal Banking Inventory Management	Oracle FLEXCUBE Universal Banking Base Oracle FLEXCUBE Universal Banking Current Accounts and Savings Accounts	Account
Oracle FLEXCUBE Universal Banking Collections	Oracle FLEXCUBE Universal Banking Base	Application User Custom Suite User Account
Oracle FLEXCUBE Universal Banking Microfinance	Oracle FLEXCUBE Universal Banking Base Oracle FLEXCUBE Universal Banking Retail and Small and Medium Enterprise Loans	Account
Oracle FLEXCUBE Universal Banking Safe Deposit Box	Oracle FLEXCUBE Universal Banking Base	Account
Oracle FLEXCUBE Universal Banking Corporate Deposits	Oracle FLEXCUBE Universal Banking Base	Application User Custom Suite User
Oracle FLEXCUBE Universal Banking Fixed Assets	Oracle FLEXCUBE Universal Banking Base	Application User Custom Suite User
Oracle FLEXCUBE Universal Banking Asset Management	FLEXCUBE Universal Banking Base and Oracle Banking Treasury Management	Application User Custom Suite User

Oracle FLEXCUBE Universal Banking Expense Processing	Oracle FLEXCUBE Universal Banking Base	Application User Custom Suite User
Oracle FLEXCUBE Universal Banking Account Origination	Oracle FLEXCUBE Universal Banking Base	Application User Custom Suite User Account
Oracle FLEXCUBE Universal Banking Term Deposits Origination	Oracle FLEXCUBE Universal Banking Base	Account
Oracle FLEXCUBE Universal Banking Retail Loan Origination	Oracle FLEXCUBE Universal Banking Base	Application User Custom Suite User Account
Oracle FLEXCUBE Open Development Tools		
Oracle FLEXCUBE Development Workbench	Either of Oracle FLEXCUBE Universal Banking Base or Oracle Banking Enterprise Limits and Collateral Management or Oracle Banking Corporate Lending or Oracle Banking Payments or Oracle Banking Trade Finance or Oracle Banking Treasury Management	Application User

Oracle FLEXCUBE Interfaces and Tools		
Oracle FLEXCUBE Integration Gateway	Either of Oracle FLEXCUBE Universal Banking Base or Oracle Banking Enterprise Limits and Collateral Management or Oracle Banking Corporate Lending or Oracle Banking Payments or Oracle Banking Trade Finance or Oracle Banking Treasury Management	Account Processor 10K API Calls Financial Inclusion Account
Oracle FLEXCUBE Universal Banking Connector for Oracle Identity Manager	Oracle FLEXCUBE Universal Banking Base	Connector

* When Component pricing model is used, Oracle FLEXCUBE Universal Banking Base program should be licensed for cumulative number of Application Users of Oracle FLEXCUBE Universal Banking and Oracle FLEXCUBE Open Development Tools and Oracle FLEXCUBE Interfaces and Tools programs.

When licensing Oracle FLEXCUBE Universal Banking modules by Account metric, quantity of Accounts licensed for each Oracle FLEXCUBE Universal Banking module including Base must be same. The sum of Accounts across all licensed modules (excluding Base) on Account metric is to be used as the quantity to be licensed. For example, if customer needs 1,000,000 Accounts of Current Accounts and Savings Accounts, 400,000 Accounts of Term Deposits and 100,000 Accounts of Retail and Small and Medium Enterprise Loans; quantity of 1,500,000 Accounts needs to be licensed for **each** of Base, Current Accounts and Savings Accounts, Term Deposits and Retail and Small and Medium Enterprise Loans modules.

When licensing Oracle FLEXCUBE Universal Banking modules by Custom Suite User metric, quantity of CAS users licensed for each Oracle FLEXCUBE Universal Banking module including Base must be the same.

NOTE: # For sending SWIFT FIN messages generated in FLEXCUBE to SWIFT network or for sending FIN messages from SWIFT network to FLEXCUBE, Oracle Banking Payments Cross Border Payments Connectivity Pack 1 SKU needs to be licensed.

2.5 Restricted Use License

The following modules have restricted features or functionality for use under the license metric Financial Inclusion Account.

Product or Component	Restrictions/Features Omitted
Oracle FLEXCUBE Universal Banking Base	<ul style="list-style-type: none"> Customer creation along with account creation is done in a single go without the option of Signature capture and verification. These customers will not have the Limits linkage

Product or Component	Restrictions/Features Omitted
	<ul style="list-style-type: none"> • Only Individual type of customers alone can be created. (Corporate/ Bank kind of customers cannot be created)
Oracle FLEXCUBE Universal Banking Current Accounts and Savings Accounts	<ul style="list-style-type: none"> • System will allow the FI customer to open only a Single Holder savings CASA account and in branch currency only • Temporary OD on FI customer's CASA accounts is allowed for a short term without attaching any collateral or credit line backing. • Allow mapping an account class with only a single IC product of type "Interest". This IC product is restricted to contain only general conditions and One Debit and One Credit product attached to it. • Check book and Debit card features are not available for FI customer accounts. • The account cannot be salary account
Oracle FLEXCUBE Universal Banking Branch	<ul style="list-style-type: none"> • Allow only the below Branch transactions for a FI customer, • Cash Deposit • Cash Withdrawal • Transfers • Utility payment without external Utility Provider interface
Oracle FLEXCUBE Universal Banking ATM Interface	No restrictions brought in.
Oracle FLEXCUBE Integration Gateway	No restrictions brought in.
Oracle FLEXCUBE Universal Banking Retail and Small and Medium Enterprise Loans	<ul style="list-style-type: none"> • Following loan features are not available for Financial Inclusion Customer <ul style="list-style-type: none"> ▪ Origination / Onboarding ▪ Auto disbursement ▪ Rate revisions ▪ Provisioning ▪ Re-negotiation ▪ Amendments • FI Loans are only created in Branch currency • A new screen is made available for loan account input for FI customer
Oracle FLEXCUBE Universal Banking Point of Sale Interface	No restrictions brought in.

3. Environment Details

3.1 Tech Stack

Component	Deployment option	Machine	Operating System	Software	Version Number
Oracle FLEXCUBE Universal Banking	UI-Host and Centralized	Application Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle Fusion Middleware Infrastructure	12.2.1.4.0
				Java HotSpot(TM) JDK (with WebLogic Application Server)	JDK 1.8 Update 281
				Open Symphony Quartz	2.3.2
		Document Management System	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle WebLogic	12.2.1.4.0
				JDK	1.8 Update 281
				Oracle Database (for RCU)	19.10.0.0.0
				Repository Creation Utility	12.2.1.4.0
				Oracle WebCenter Content Imaging	12.2.1.4.0
		Database Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle RDBMS Enterprise Edition	Version 19.10.0.0.0
		Reporting Server		Oracle WebLogic	12.2.1.4.0
				JDK	JDK 1.8 Update 281

			Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle Database (for RCU)	19.10.0.0.0
				Oracle Analytical Server	5.9.0
		Client Machines	Windows 10	Mozilla Firefox	87+
				Google Chrome	88+
				Microsoft Edge	89+
			Mac OS X	Mozilla Firefox	87+
				Safari	14+
				Google Chrome	88+
		Single Sign On Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	JDK	JDK 1.8 Update 281
				Oracle WebLogic	12.2.1.4.0
				Repository Creation Utility	12.2.1.4.0
				Oracle Identity Management	12.2.1.4.0
				Oracle Identity And Access Management	12.2.1.4.0
				Oracle Webtier Utilities	12.2.1.4.0
Oracle Webgate	12.2.1.4.0				
UI Decentralized branch	Branch Application Server – Decentralized	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	JDK	JDK 1.8 Update 281	
			Oracle WebLogic Server	12.2.1.4.0	

		Database Branch for Decentralized mode		Oracle RDBMS Standard Edition (SE2)	19.10.0.0.0
Oracle FLEXCUBE Universal Banking BPEL/BPMN Processes and Process Framework	UI-Host and Centralized	Application Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	JDK	1.8 Update 281
				Oracle WebLogic Server	12.2.1.4.0
				Oracle Database (for RCU)	19.10.0.0.0
				Repository Creation Utility	12.2.1.4.0
				Oracle SOA Suite, Oracle BPM Suite	12.2.1.4.0
Oracle FLEXCUBE Universal Banking Integration Gateway	Web services (incoming)	Integration Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle WebLogic Server	12.2.1.4.0
	HTTP Servlet (incoming)				
	EJB (incoming)				
	MDB (incoming)				
	Notifications (outgoing)				
Oracle FLEXCUBE Universal Banking Switch Integration Gateway	Switch Integration Gateway	Integration Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	JDK	JDK 1.8 Update 281
	Web services			JDK	1.8 Update 281

Oracle FLEXCUBE Universal Banking REST		Integration Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle WebLogic Server	12.2.1.4.0
				Oracle Toplink	12.2.1.4.0
Oracle FLEXCUBE Oracle Digital Assistant Integration	Centralized	Application Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	oda-native-client- sdk-js	20.3.1

Note: Oracle Platform Security Services is being included in the Package.

4. Software Prerequisites

The following are the separately licensable software prerequisites for Oracle FLEXCUBE Universal Banking Products:

4.1 Software Pre-requisites

Product Name	Product Version	Requirements
Oracle Fusion Middleware Infrastructure	12.2.1.4.0	Standard Requirement
Oracle Weblogic Server	12.2.1.4.0	Standard Requirement
Java HotSpot(TM) JDK (with WebLogic Application Server)	JDK 1.8 Update 281	Standard Requirement
Oracle Toplink	12.2.1.4.0	
Oracle WebCenter Content Imaging	12.2.1.4.0	
Oracle Analytical Server	5.9.0	

5. Third Party Licenses

5.1 Introduction

This chapter provides information on licensing of third party software that is packaged with Oracle FLEXCUBE Universal Banking.

5.2 Third Party Licenses

5.2.1. Common Collections

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servlet-api

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5.2.5 Simple Logging Facade for Java (SLF4J)

jcl-over-slf4j

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slf4j-api

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

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5.2.9. swagger-core

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FOURTH PARTY DEPENDENCIES:

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FOURTH PARTY DEPENDENCY #1

logback-classic

FOURTH PARTY DEPENDENCY #2

logback-core

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Jackson JSON processor

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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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5.2.12. commons-logging

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5.2.14. jackson-core

jackson-core 2.10.2

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Jackson JSON processor

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5.2.15. jackson-annotations

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5.2.23. log4j-1.2-api

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5.2.24. log4j-api

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Top Level Component Copyright:

Apache Log4j

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ResolverUtil.java

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Dumbster SMTP test server

Copyright 2004 Jason Paul Kitchen

TypeUtil.java

Copyright 2002-2012 Ramnivas Laddad, Juergen Hoeller, Chris Beams

picocli (<http://picocli.info>)

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5.3 Third Party Libraries

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

For license information, See section 5.2

- Commons Collections 4.4
- Zipllet 2.4.1

- Quartz Job Scheduler 2.3.2
- POI 4.1.2
- Simple Logging Facade for Java (SLF4J) 1.7.30
- Commons Codec 1.15
- jackson-databind 2.12.1
- Jettison 1.4.1
- swagger-core 1.6.2
- PDFBox 2.0.22
- Ant 1.10.9
- commons-logging 1.2-1b97e70
- Commons IO 2.8.0-fa59009
- jackson-core 2.12.1
- jackson-annotations 2.12.1
- jsoup 1.13.1
- closure-compiler 20210106
- commons-net 3.7.2
- Commons Lang 3.11
- sshd-common 2.6.0
- sshd-core 2.6.0
- sshd-sftp 2.6.0
- log4j-1.2-api 2.13.3
- log4j-api 2.13.3
- log4j-core 2.13.3