License Guide Oracle FLEXCUBE Universal Banking Release 14.2.0.0.0 Part No. E99083-01 [December] [2018]

FINANCIAL SERVICES





License Guide [December] [2018] Version 14.2.0.0.0

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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	Oracle FLEXCUBE Universal Banking Licensing provides information on Oracle FLEXCUBE Universal Banking licensing.	
Chapter 3	3 Software Pre-requisites 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



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 will get licensed based on the usage of the bank.

SI. No.	Module Description	Licensing Rule(s)
Retai	Modules	
1	Oracle FLEXCUBE Universal Banking Current Accounts and Savings Accounts	If the customer is using Universal Banking for
2	Oracle FLEXCUBE Universal Banking Standing Instructions	Retail programs, these applications may only be licensed by the
3	Oracle FLEXCUBE Universal Banking Collections	Account metric. However, if the
4	Oracle FLEXCUBE Universal Banking Loans*	customer is using Universal Banking for
5	Oracle FLEXCUBE Universal Banking Account Origination	Corporate, and is not using Universal
6	Oracle FLEXCUBE Universal Banking Retail Loan Origination	Banking for Retail, then a customer may

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.



SI. No.	Module Description	Licensing Rule(s)
Corp	orate Modules	
7	Oracle FLEXCUBE Universal Banking Nostro Reconciliation	If the customer is using Universal
8	Oracle FLEXCUBE Universal Banking Cash Management	Banking for Corporate programs, these
9	Oracle FLEXCUBE Universal Banking Commercial Leasing	applications may only be licensed by the Application User.
10	Oracle FLEXCUBE Integration Gateway	However, if the customer is using
11	Oracle FLEXCUBE Universal Banking Commercial Loans Origination	Universal Banking for Retail, and is not using Universal Banking for

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.
- 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 <u>Separately Licensed Pre-requisite Products and</u> <u>Licensing Metric</u>

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 Prerequisites.

Module Description	Separately Licensed Prerequisites	Licensing Metric(s)
Oracle FLEXCUBE Universal Banking Base*	 Oracle FLEXCUBE Development Workbench Oracle FLEXCUBE Integration Gateway 	 Application User Custom Suite User Account Financial Inclusion Account
Oracle FLEXCUBE Universal Banking Process Framework Base	Oracle FLEXCUBE Development Workbench	Application UserCustom Suite UserAccount
Oracle FLEXCUBE Universal Banking Current Accounts and Savings Accounts	Oracle FLEXCUBE Universal Banking Base	 Application User Custom Suite User Account Financial Inclusion Account
Oracle FLEXCUBE Universal Banking Relationship Pricing	 Oracle FLEXCUBE Universal Banking Base Either Oracle FLEXCUBE Universal Banking Current Accounts & 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
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 UserCustom Suite UserAccount
Oracle FLEXCUBE Universal Banking Cash Management	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 	AccountFinancial Inclusion Account
Oracle FLEXCUBE Universal Banking Point of Sale Interface	Oracle FLEXCUBE Universal Banking Base	Account
Oracle FLEXCUBE Universal Banking Interactive Voice Response Interface	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 UserCustom Suite UserAccount
Oracle FLEXCUBE Universal Banking Inventory Management	 Oracle FLEXCUBE Universal Banking Base Oracle FLEXCUBE Universal Banking Current Accounts & Savings Accounts 	Account
Oracle FLEXCUBE Universal Banking Collections	Oracle FLEXCUBE Universal Banking Base	 Application User Custom Suite User Account



		1
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 Commercial Loans	Oracle FLEXCUBE Universal Banking Base	 Application User Custom Suite User
Oracle FLEXCUBE Universal Banking Loan Syndication	Oracle FLEXCUBE Universal Banking Base	 Application User Custom Suite User
Oracle FLEXCUBE Universal Banking Bills & Collection	 Oracle FLEXCUBE Universal Banking Base 	 Application User Custom Suite User
Oracle FLEXCUBE Universal Banking Letters of Credit	Oracle FLEXCUBE Universal Banking Base	 Application User Custom Suite User
Oracle FLEXCUBE Universal Banking Foreign Exchange	 Oracle FLEXCUBE Universal Banking Base 	 Application User Custom Suite User
Oracle FLEXCUBE Universal Banking Money Markets	Oracle FLEXCUBE Universal Banking Base	 Application User Custom Suite User
Oracle FLEXCUBE Universal Banking Swaps and Forward Rate Agreements	 Oracle FLEXCUBE Universal Banking Base 	 Application User Custom Suite User
Oracle FLEXCUBE Universal Banking Exchange Traded Derivatives for Commodities Futures and Options	Oracle FLEXCUBE Universal Banking Base	 Application User Custom Suite User



Oracle FLEXCUBE Universal Banking Exchange Traded Derivatives for Currency Futures and Options	 Oracle FLEXCUBE Universal Banking Base 	 Application User Custom Suite User
Oracle FLEXCUBE Universal Banking Exchange Traded Derivatives for Equity and Index Futures and Options	 Oracle FLEXCUBE Universal Banking Base 	 Application User Custom Suite User
Oracle FLEXCUBE Universal Banking Exchange Traded Derivatives for Interest Rate Futures and Options	 Oracle FLEXCUBE Universal Banking Base 	 Application User Custom Suite User
Oracle FLEXCUBE Universal Banking Over the Counter Currency Options	 Oracle FLEXCUBE Universal Banking Base 	 Application User Custom Suite User
Oracle FLEXCUBE Universal Banking Over the Counter Interest Rate Options	 Oracle FLEXCUBE Universal Banking Base 	 Application User Custom Suite User
Oracle FLEXCUBE Universal Banking Securities	 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	 Oracle FLEXCUBE Universal Banking Base and EITHER of the below modules: Oracle FLEXCUBE Universal Banking Securities Oracle FLEXCUBE Universal Banking Exchange Traded Derivatives for Interest Rate Futures and Options, Oracle FLEXCUBE Universal Banking Exchange Traded Derivatives for Currency Futures and Options Oracle FLEXCUBE Universal Banking Exchange Traded Derivatives for Equity and Index Futures and Options Oracle FLEXCUBE Universal Banking Exchange Traded Derivatives for Equity and Index Futures and Options Oracle FLEXCUBE Universal Banking Exchange Traded Derivatives for Commodities Futures and Options Oracle FLEXCUBE Universal Banking Over the Counter Currency Options Oracle FLEXCUBE Universal Banking Over the Counter Interest Rate Options Oracle FLEXCUBE Universal Banking Over the Counter Interest Rate Options Oracle FLEXCUBE Universal Banking Swaps and Forward Rate Agreements 	 Application User Custom Suite User
Oracle FLEXCOBE Universal Banking Expense Processing	Universal Banking Base	 Application User Custom Suite User



Oracle FLEXCUBE Universal Banking Origination		
Oracle FLEXCUBE Universal Banking Account Origination	Oracle FLEXCUBE Universal Banking Base	Application UserCustom Suite UserAccount
Oracle FLEXCUBE Universal Banking Term Deposits Origination	Oracle FLEXCUBE Universal Banking Base	Account
Oracle FLEXCUBE Universal Banking Letters of Credit Origination	Oracle FLEXCUBE Universal Banking Base	 Application User Custom Suite User
Oracle FLEXCUBE Universal Banking Retail Loan Origination	Oracle FLEXCUBE Universal Banking Base	 Application User Custom Suite User Account
Oracle FLEXCUBE Universal Banking Commercial Loans Origination	Oracle FLEXCUBE Universal Banking Base	 Application User Custom Suite User Account
Oracle FLEXCUBE O	pen Development Tools	1
Oracle FLEXCUBE Development Workbench	Oracle FLEXCUBE Universal Banking Base	Application User
Oracle FLEXCUBE Testing Workbench for Universal Banking	Oracle FLEXCUBE Universal Banking Base	 Application User
Oracle FLEXCUBE In	terfaces and Tools	1
Oracle FLEXCUBE Integration Gateway	Oracle FLEXCUBE Universal Banking Base	 Application User Custom Suite User Account Processor Financial Inclusion Account
Oracle FLEXCUBE Universal Banking Connector for Oracle Identity Manager	Oracle FLEXCUBE Universal Banking Base	Connector
Oracle FLEXCUBE In	formation Server	



Oracle FLEXCUBE Information Server Base for Universal	Oracle FLEXCUBE Universal Banking Base	Account
Oracle FLEXCUBE Information Server Retail Liabilities Data Mart for Universal Banking	 Oracle FLEXCUBE Information Server Base for Universal Banking Oracle FLEXCUBE Universal Banking Current Accounts and Savings Accounts Oracle FLEXCUBE Universal Banking Term Deposits 	Account
Oracle FLEXCUBE Information Server Retail Assets Data Mart for Universal Banking	 Oracle FLEXCUBE Information Server Base for Universal Banking Oracle FLEXCUBE Universal Banking Current Accounts and Savings Accounts Oracle FLEXCUBE Universal Banking Retail and Small and Medium Enterprises Loans 	Account

* 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.

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 SWIFTNet FIN Connectivity SKU needs to be licensed.

2.5 Restricted Use License

OPSS 12.2.1.3.0 has been packaged within our application under RUL 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	 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
	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	 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	 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. Will be contractual restriction.	
Oracle FLEXCUBE Integration Gateway	No restrictions brought in. Will be contractual restriction.	



3. Software Prerequisites

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

3.1 <u>Software Prerequisites</u>

3.1.1 <u>Tech Stack – Oracle</u>

Component	Deployment option	Machine	Operating System	Software	Version Number
				Oracle Fusion Middleware Infrastructure	12.2.1.3.0
	Application Server	Oracle Enterprise Linux Server 7.1	Java HotSpot(TM) JDK (with WebLogic Application Server)	JDK 1.8 Update 181	
			(x86 64 Bit)	Open Symphony Quartz	2.3.1-9f9e400
				Oracle Toplink	12.2.1.3.0
				Oracle WebLogic	12.2.1.3.0
				JDK	JDK 1.8 Update 181
Oracle FLEXCUBE UI-Host and Universal Centralized Banking	Document Manageme nt System	Oracle Enterprise Linux Server 7.1 (x86 64 Bit)	Oracle Database (for RCU)	18.3.0.0.0	
			Repository Creation Utility	12.2.1.3.0	
g				Oracle WebCenter Content Imaging	12.2.1.3.0
		Database Server	Oracle Enterprise Linux Server 7.1 (x86 64 Bit)	Oracle RDBMS Enterprise Edition	18.3.0.0.0
			Oracle	Oracle WebLogic	12.2.1.3.0
	Reporting Server	Enterprise Linux Server 7.1	JDK	JDK 1.8 Update 181	
			(x86 64 Bit)	Oracle BI Publisher	12.2.1.4.0
		FLEXCUB	Oracle	Oracle WebLogic	12.2.1.3.0



	E Information Server – Analytics	Enterprise Linux Server 7.1 (x86 64 Bit)	JDK	JDK 1.8 Update 181
			Oracle Business Intelligence Enterprise Edition (OBIEE)	12.2.1.4.0
			Oracle Golden Gate	12.3.0.1.0
			Oracle Database (for RCU)	18.3.0.0.0
	FLEXCUB E Information	Oracle Enterprise	Repository Creation Utility	12.2.1.3.0
	Server - Data	Linux Server 7.1 (x86 64 Bit)	Oracle Data integrator	12.2.1.3.0
	warehouse	(XOU 04 DII)	Oracle Data integrator Java EE Agent	12.2.1.3.0
			Oracle Fusion Middleware Infrastructure	12.2.1.3.0
			Internet Explorer	Microsoft Internet Explorer Release (11.*)
			Mozilla Firefox	Mozilla Firefox Release (62+)
			Google Chrome	Google Chrome Release (69+)
	Olient		Internet Explorer	Microsoft Internet Explorer Release (11.*)
	Client Machines [#]		Mozilla Firefox	Mozilla Firefox Release (62+)
			Google Chrome	Google Chrome Release (69+)
			Internet Explorer	Microsoft Edge(40+)
			Mozilla Firefox	Mozilla Firefox Release (62+)
			Google Chrome	Google Chrome Release (69+)



			Mac OS X	Mozilla Firefox	Mozilla Firefox for Mac (62+)
				Safari	Safari- 11.1 (13605.1.133.1.4)
				Google Chrome	Google Chrome Release (69+)
				JDK	JDK 1.8 Update 181
				Oracle WebLogic	12.2.1.3.0
				Repository Creation Utility	12.2.1.3.0
		Single Sign	Oracle Enterprise	Oracle Identity Management	12.2.1.3.0
		On Server		Oracle SOA	12.2.1.3.0
				Oracle Identity And Access Management	12.2.1.3.0
		Branch Application Server – Decentraliz ed		Oracle Web tier Utilities	12.2.1.3.0
				Oracle Web gate	12.2.1.3.0
				OID Connector	OID 11.1.1.6.0
				JDK	1.8 Update 181
	UI Decentralized		r – Oracle	Oracle WebLogic Server	12.2.1.3.0
	branch	Database Branch for Decentraliz ed mode	Server 7.1 (x86 64 Bit)	Oracle RDBMS Standard Edition (SE2)	18.3.0.0.0
Oracle				JDK	1.8 Update 181
FLEXCUBE	FLEXCUBE	Oracle	Oracle WebLogic Server	12.2.1.3.0	
Banking BPEL/BPM N Processes	UI-Host and Centralized	Application Server	Enterprise Linux Server 7.1	Oracle Database (for RCU)	18.3.0.0.0
and Process Framework			(x86 64 Bit)	Repository Creation Utility	12.2.1.3.0

				Oracle SOA Suite, Oracle BPM Suite	12.2.1.3.0
	Web services (incoming)		Oracle		
Oracle	HTTP Servlet (incoming)				12.2.1.3.0
FLEXCUBE Universal Banking	EJB (incoming)	Integration Server	Enterprise Linux Server 6.6	Oracle WebLogic Server	
Integration Gateway	MDB (incoming)		(x86 64 Bit)		
	Notifications (outgoing)				
Oracle FLEXCUBE Universal Banking Switch Integration Gateway	Switch Integration Gateway	Integration Server	Oracle Enterprise Linux Server 7.1 (x86 64 Bit)	JDK	1.8 Update 181
Oracle			Oracle	JDK	1.8 Update 181
FLEXCUBE Universal	Integration	Enterprise Linux	Oracle WebLogic Server	12.2.1.3.0	
Banking REST		Server	Server 7.1 (x86 64 Bit)	Oracle Toplink	12.2.1.3.0

Note: # 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, 8, 10 and Mac OS X.

Component Deployment Machine Operating Software Version Number option System Oracle UI-Host and Application IBM WebSphere 9.0.0.0 Oracle FLEXCUBE Centralized Server Enterprise **Application Server** Universal Linux with inbuilt JVM (IBM Banking Server 7.1 JDK 1.8_64) (x86 64 Bit) IBM WebSphere MQ 9.0.0.0 Server **Open Symphony** 2.3.1-9f9e400

3.1.2 Tech Stack – IBM



				Quartz	
		Database Server	Oracle Enterprise Linux Server 7.1 (x86 64 Bit)	Oracle RDBMS Enterprise Edition	18.3.0.0.0
		Client Machines [#]	Windows 7	Internet Explorer	Microsoft Internet Explorer Release (11.*)
				Mozilla Firefox	Mozilla Firefox Release (62+)
				Google Chrome	Google Chrome Release (69+)
			Windows 8	Internet Explorer	Microsoft Internet Explorer Release (11.*)
		Windows 10		Mozilla Firefox	Mozilla Firefox Release (62+)
				Google Chrome	Google Chrome Release (69+)
				Internet Explorer	Microsoft Internet Explorer Release (11.*)
				Mozilla Firefox	Mozilla Firefox Release (62+)
			Google Chrome	Google Chrome Release (69+)	
			Mac OS X	Mozilla Firefox	Mozilla Firefox for Mac (62+)
				Safari	Safari- 11.1 (13605.1.133.1.4)
				Google Chrome	Google Chrome Release (69+)
Oracle FLEXCUBE Universal Banking Integration	Web services (incoming)	Integration Server	Oracle Enterprise Linux Server 7.1 (x86 64	IBM WebSphere Application Server with inbuilt JVM (IBM JDK 1.8_64)	9.0.0.0



Gateway			Bit)		
	HTTP Servlet (incoming)	Integration Server	Oracle Enterprise Linux Server 7.1 (x86 64 Bit)	IBM WebSphere Application Server with inbuilt JVM (IBM JDK 1.8_64)	9.0.0.0
	EJB (incoming)	Integration Server	Oracle Enterprise Linux Server 7.1 (x86 64 Bit)	IBM WebSphere Application Server with inbuilt JVM (IBM JDK 1.8_64)	9.0.0.0
	MDB (incoming)	Integration Server	Oracle Enterprise Linux Server 7.1 (x86 64	IBM WebSphere Application Server with inbuilt JVM (IBM JDK 1.8_64)	9.0.0.0
			Bit)	IBM WebSphere MQ Server	9.0.0.0
	Notifications (outgoing)	Integration Server	Oracle Enterprise Linux Server 7.1	IBM WebSphere Application Server with inbuilt JVM (IBM JDK 1.8_64)	9.0.0.0
			(x86 64 Bit)	IBM WebSphere MQ Server	9.0.0.0
Oracle FLEXCUBE Universal Banking	Switch Integration Gateway	Integration Server		JDK	IBM JDK 1.8_181
Oracle FLEXCUBE Universal Banking REST	FLEXCUBE Server E Universal L Banking S	Oracle Enterprise Linux Server 7.1 (x86 64	IBM WebSphere Application Server with inbuilt JVM (IBM JDK 1.8_64)	9.0.0.0	
NEO1			(x80 64 Bit)	Oracle Toplink	12.2.1.3.0

Note: # 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, 8, 10 and Mac OS X.

Product Name	Product Version	Requirements
Oracle Fusion Middleware Infrastructure	12.2.1.3.0	Optional - Oracle FLEXCUBE Universal Banking and Oracle FLEXCUBE Universal Banking Integration Gateway supports both Oracle Weblogic Server (Fusion Middleware) and WebSphere.
Java HotSpot(TM) JDK (with WebLogic Application Server)	JDK 1.8 Update 171	Optional – Required for Oracle FLEXCUBE Universal Banking and Oracle FLEXCUBE Universal Banking Integration Gateway on WebLogic.
Open Symphony Quartz	2.3.1-9f9e400	Standard requirement
Oracle Toplink	12.2.1.3.0	Optional - Required only if limits tracking is required.
Oracle WebCenter Content Imaging	12.2.1.3.0	Optional - Required only if Document Management System integration is required. Refer to section 3.1.1 for other related software (Document Management System).
Oracle RDBMS Enterprise Edition	12.2.0.1.0	Standard requirement
Oracle BI Publisher	12.2.1.4.0	Standard requirement. Refer to section 3.1.1 for dependent software (Reporting Server).
Oracle Business Intelligence Enterprise Edition (OBIEE)	12.2.1.4.0	Optional - Required only if Oracle FLEXCUBE Information Server is installed or if metadata repository based Adhoc reporting is needed. Refer to section 3.1.1 for dependent software (FLEXCUBE Information Server -Analytics).
Oracle Golden Gate	12.2.1.3.0	Optional - Required only if Oracle FLEXCUBE Information Server is installed. Refer to section 3.1.1 for dependent software (FLEXCUBE Information Server -Data warehouse).
Oracle Data integrator	12.2.1.3.0	Optional - Required only if Oracle FLEXCUBE Information Server is installed. Refer to section 3.1.1 for dependent software (FLEXCUBE Information Server -Data warehouse).

3.2 Module-wise Software Prerequisites



Product Name	Product Version	Requirements
Oracle Identity Management (OID)	12.2.1.3.0	Optional - Required if Single Sign On is required. Refer to section 3.1.1 for dependent software (Single Sign On Server).
Oracle Identity And Access Management	12.2.1.3.0	Optional - Required if Single Sign On is required. Refer to section 3.1.1 for dependent software (Single Sign On Server).
Oracle RDBMS Standard Edition (SE2)	12.2.0.1.0	Optional - Required if decentralized branch support is required. Refer to section 3.1.1 for related software (Decentralized branch).
Oracle SOA Suite	12.2.1.3.0	Optional - Required for Oracle FLEXCUBE Universal Banking Origination. Refer to section 3.1.1 for related software (BPEL/BPMN Processes and Process Framework).
Oracle BPM Suite	12.2.1.3.0	Optional - Required for Oracle FLEXCUBE Universal Banking Origination. Refer to section 3.1.1 for related software (BPEL/BPMN Processes and Process Framework).
IBM WebSphere Application Server with inbuilt JVM (IBM JDK 1.8_151).	9.0.0.0	Optional - Oracle FLEXCUBE Universal Banking and Oracle FLEXCUBE Universal Banking Integration Gateway supports both Weblogic and Websphere.
IBM WebSphere MQ Server	9.0.0.0	Optional – Required for Oracle FLEXCUBE Universal Banking and Oracle FLEXCUBE Universal Banking Integration Gateway on WebSphere



4. Third Party Licenses

4.1 Introduction

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- Velocity 2.0.jar
- Ant 1.10.5-d7c5185.jar
- commons-beanutils-1.9.3-4c56c27.jar
- commons-logging- 1.2-0548efb.jar
- Quartz 2.3.1-9f9e400.jar
- Swagger 1.5.18
- PJL Compressing Filter 2.3.0 (ziplet 2.3.0)
- jackson-annotations 2.9.6
- jackson-core 2.9.6
- jackson-databind 2.9.6
- jackson-dataformat-yaml 2.9.5

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• jsoup 1.10.3.jar

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- yuicompressor- 2.4.8-958491d.jar
- JSch 0.1.54

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