License Guide Oracle FLEXCUBE Universal Banking Release 12.3.0.0.0 Part No. E80148-01 [August] [2020]







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Contents

1. PI	REFACE	1-2
1.1	Introduction	1-2
1.2	AUDIENCE	1-2
1.3	DOCUMENTATION ACCESSIBILITY	1-2
1.4	Organization	
1.5	RELATED DOCUMENTS	1-2
2. O	RACLE FLEXCUBE UNIVERSAL BANKING LICENSING	2-1
2.1	Introduction	2-1
2.2	GENERAL LICENSING RULES	
2.3	COMPONENTS INCLUDED IN LICENSE	
2.4	SEPARATELY LICENSED PRE-REQUISITE PRODUCTS AND LICENSING METRIC	2-3
2.5	RESTRICTED USE LICENSE	2-9
3. SC	OFTWARE PREREQUISITES	3-1
3.1	SOFTWARE PREREQUISITES	3-1
3	1.1 Tech Stack – Oracle	
3	1.2 Tech Stack – IBM	3-4
3.2	Module-wise Software Prerequisites	3-5
4. TI	HIRD PARTY LICENSES	4-1
4.1	Introduction	4-1
4.2	APACHE LICENSE 2.0	4-1
4.3	APACHE LICENSE 1.1	4-16
4.4	BSD-STYLE LICENSE	
4.5	MIT LICENSE	
4.6	OPENSYMPHONY	
4.7	THIRD PARTY LIBRARIES	
	7.1 Apache 2.0	
	7.2 Apache 1.1	
	7.3 MIT License	
	7.4 BSD-Style License	
	7.5 OpenSymphony	
4.	7.6 Other	4-22



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	Preface 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	Software Pre-requisites consists of the technology pre-requisites required for Oracle FLEXCUBE Universal Banking.
Chapter 4	Third Party Licenses 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 would get licensed based on the usage of the bank.

SI. No.	Module Description	Licensing Rule(s)
Retail M	odules	
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
2	Oracle FLEXCUBE Universal Banking Payments and Collections	the Account metric. However, if the customer is using Universal Banking for Corporate, and is not using
3	Oracle FLEXCUBE Universal Banking Standing Instructions	Universal Banking for Retail, then a customer may license these programs under the Application User metric.
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	

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)
Corpora	ate Modules	
8	Oracle FLEXCUBE Universal Banking Funds Transfer	If the customer is using Universal Banking for Corporate
9	Oracle FLEXCUBE Universal Banking Electronic Messaging Service	programs, these applications may only be licensed by the Application User. However, if the customer is using Universal
10	Oracle FLEXCUBE Universal Banking Nostro Reconciliation	Banking for Retail, and is not using Universal Banking for Corporate, then a customer may
11	Oracle FLEXCUBE Universal Banking Cash Management	license these programs under the Account metric.
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 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 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 Pre-requisites.

	Separately Licensed Prerequisites	Licensing Metric(s)	
Oracle FLEXCUBE Universal Banking Base	Oracle FLEXCUBE Development Workbench for Universal Banking	Application UserCustom Suite UserAccount	
Oracle FLEXCUBE Universal Banking Process Framework Base	Oracle FLEXCUBE Development Workbench for Universal Banking	Application UserCustom Suite UserAccount	
Oracle FLEXCUBE Universal Banking Current Accounts and Savings Accounts	Oracle FLEXCUBE Universal Banking Base	Application UserCustom Suite UserAccount	
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 Payments and Collections	Oracle FLEXCUBE Universal Banking Base	Application UserCustom Suite UserAccount	

Module Description	Separately Licensed Prerequisites	Licensing Metric(s)	
Oracle FLEXCUBE Universal Banking Funds Transfer	Oracle FLEXCUBE Universal Banking Base	Application UserCustom Suite UserAccount	
Oracle FLEXCUBE Universal Banking Electronic Messaging Service	Oracle FLEXCUBE Universal Banking Base	Application UserCustom Suite UserAccount	
Oracle FLEXCUBE Universal Banking Nostro Reconciliation	Oracle FLEXCUBE Universal Banking Base	Application UserCustom Suite UserAccount	
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 UserCustom Suite UserAccount	
Oracle FLEXCUBE Universal Banking Branch	Oracle FLEXCUBE Universal Banking Base	Account	
Oracle FLEXCUBE Universal Banking ATM Interface	Oracle FLEXCUBE Universal Banking Base	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	

Module Description	Separately Licensed Prerequisites	Licensing Metric(s)	
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 UserCustom Suite UserAccount	
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 UserCustom Suite User	
Oracle FLEXCUBE Universal Banking Commercial Loans	Oracle FLEXCUBE Universal Banking Base	Application UserCustom Suite User	
Oracle FLEXCUBE Universal Banking Loan Syndication	Oracle FLEXCUBE Universal Banking Base	Application UserCustom Suite User	
Oracle FLEXCUBE Universal Banking Bills & Collection	Oracle FLEXCUBE Universal Banking Base	Application UserCustom Suite User	
Oracle FLEXCUBE Universal Banking Letters of Credit	Oracle FLEXCUBE Universal Banking Base	Application UserCustom Suite User	
Oracle FLEXCUBE Universal Banking Foreign Exchange	Oracle FLEXCUBE Universal Banking Base	Application UserCustom Suite User	
Oracle FLEXCUBE Universal Banking Money Markets	Oracle FLEXCUBE Universal Banking Base	Application UserCustom Suite User	

Module Description	Separately Licensed Prerequisites	Licensing Metric(s)	
Oracle FLEXCUBE Universal Banking Swaps and Forward Rate Agreements	Oracle FLEXCUBE Universal Banking Base	Application UserCustom Suite User	
Oracle FLEXCUBE Universal Banking Exchange Traded Derivatives for Commodities Futures and Options	Oracle FLEXCUBE Universal Banking Base	Application UserCustom Suite User	
Oracle FLEXCUBE Universal Banking Exchange Traded Derivatives for Currency Futures and Options	Oracle FLEXCUBE Universal Banking Base	Application UserCustom Suite User	
Oracle FLEXCUBE Universal Banking Exchange Traded Derivatives for Equity and Index Futures and Options	Oracle FLEXCUBE Universal Banking Base	Application UserCustom Suite User	
Oracle FLEXCUBE Universal Banking Exchange Traded Derivatives for Interest Rate Futures and Options	Oracle FLEXCUBE Universal Banking Base	Application UserCustom Suite User	
Oracle FLEXCUBE Universal Banking Over the Counter Currency Options	Oracle FLEXCUBE Universal Banking Base	Application UserCustom Suite User	
Oracle FLEXCUBE Universal Banking Over the Counter Interest Rate Options	Oracle FLEXCUBE Universal Banking Base	Application UserCustom Suite User	
Oracle FLEXCUBE Universal Banking Securities	Oracle FLEXCUBE Universal Banking Base	Application UserCustom Suite User	
Oracle FLEXCUBE Universal Banking Fixed Assets	Oracle FLEXCUBE UniversalBanking Base	Application UserCustom Suite User	

Module Description	Separately Licensed Prerequisites	Licensing Metric(s)	
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 Commodities 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 Swaps and Forward Rate Agreements	Application User Custom Suite User	
Oracle FLEXCUBE Universal Banking Expense Processing	Oracle FLEXCUBE Universal Banking Base	Application UserCustom Suite User	
Oracle FLEXCUBE Univers	al 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 Credit Lines Origination	Oracle FLEXCUBE Universal Banking Base	Application UserCustom Suite User	

Module Description	Separately Licensed Prerequisites	Licensing Metric(s)	
Oracle FLEXCUBE Universal Banking Letters of Credit Origination	Oracle FLEXCUBE Universal Banking Base	Application UserCustom Suite User	
Oracle FLEXCUBE Universal Banking Retail Loan Origination	Oracle FLEXCUBE Universal Banking Base	Application UserCustom Suite UserAccount	
Oracle FLEXCUBE Universal Banking Commercial Loans Origination	Oracle FLEXCUBE Universal Banking Base	Application UserCustom Suite UserAccount	
Oracle FLEXCUBE Open D	evelopment Tools		
Oracle FLEXCUBE Development Workbench for Universal Banking	Oracle FLEXCUBE Universal Banking Base	Application User	
Oracle FLEXCUBE Testing Workbench for Universal Banking	Oracle FLEXCUBE Universal Banking Base	Application User	
Oracle FLEXCUBE Interfac	es and Tools		
Oracle FLEXCUBE Universal Banking Integration Gateway	Oracle FLEXCUBE Universal Banking Base	Application UserCustom Suite UserAccountProcessor	
Oracle FLEXCUBE Universal Banking Connector for Oracle Identity Manager	Oracle FLEXCUBE Universal Banking Base	Connector	
Oracle FLEXCUBE Informa	tion Server		
Oracle FLEXCUBE Information Server Base for Universal Banking	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	

Module Description	Separately Licensed Prerequisites	Licensing Metric(s)	
Oracle FLEXCUBE Information Server Retail Assets Data Mart for	Oracle FLEXCUBE Information Server Base for Universal Banking	Account	
Universal Banking	 Oracle FLEXCUBE Universal Banking Current Accounts and Savings Accounts 		
	Oracle FLEXCUBE Universal Banking Retail and Small and Medium Enterprises Loans		

2.5 Restricted Use License

Not applicable for the FLEXCUBE Universal Banking Products.

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
		Application Server	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	Oracle Fusion Middleware Infrastructure	12.2.1.4.0
				Java HotSpot(TM) JDK (with WebLogic Application Server)	JDK 1.8 Update 241
			,	Open Symphony Quartz	2.3.2
				Oracle Toplink	12.2.1.4.0
				Oracle WebLogic Server	12.2.1.4.0
				JDK	JDK 1.8 Update 241
		Document Manageme	Oracle Enterprise Linux Server 7.6	Oracle Database (for RCU)	19.6.0.0.0
		nt System	(x86 64 Bit)	Repository Creation Utility	12.2.1.4.0
				Oracle WebCenter Content Imaging	12.2.1.4.0
Oracle FLEXCUBE	Oracle EXCUBE Iniversal Banking UI-Host and Centralized Reporting Server Reporting Server FLEXCUBE (x86 64 Bit) Oracle Enterptions (x86 64 Bit) FLEXCUBE Information Server Coracle Enterptions (x86 64 Bit)	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	Oracle RDBMS Enterprise Edition	19.6.0.0.0	
Universal Banking		Reporting	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	Oracle WebLogic Server	12.2.1.4.0
				JDK	JDK 1.8 Update 241
				Oracle Database (for RCU)	12.1.0.1.0
				Repository Creation Utility	12.2.1.3.0
				Oracle BI Publisher	5.5.0
			Oracle WebLogic Server	12.2.1.4.0	
		EL EVOLIDE		JDK	JDK 1.8 Update 241
		Information	Oracle Enterprise Linux Server 7.6	Oracle Database (for RCU)	19.6.0.0.0
			(x86 64 Bit)	Repository Creation Utility	12.2.1.4.0
				Oracle Business Intelligence Enterprise Edition (OBIEE)	5.5.0
		FLEXCUBE	Oracle Enterprise	Oracle Golden Gate	19.1.0.0.4
		Information Server -	Linux Server 7.6 (x86 64 Bit)	Oracle Database (for RCU)	19.6.0.0.0



		Data warehouse		Repository Creation Utility	12.2.1.4.0	
				Oracle Data integrator	12.2.1.4.0	
				Oracle Data integrator Java EE Agent	12.2.1.4.0	
				Oracle WebLogic Server Infrastructure	12.2.1.4.0	
				Internet Explorer	Internet Explorer (11+)	
			Windows 10	Mozilla Firefox	Mozilla Firefox Release (66+)	
		# Client		Google Chrome	Google Chrome Release(73+)	
		Machines		Microsoft Edge	Microsoft Edge (44+)	
				Mozilla Firefox	Mozilla Firefox for Mac (62 +)	
			Mac OS X	Safari	Safari 12+	
				Google Chrome	Google Chrome Release (73 +)	
				JDK	JDK 1.8 Update 241	
				Oracle WebLogic	12.2.1.4.0	
				Repository Creation Utility	12.2.1.4.0	
				12.2.1.4.0		
		Single Sign On Server		Oracle SOA	12.2.1.4.0	
		On ociver			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	
		Branch		JDK	1.8 Update 241	
		Application Server -		Apache Tomcat	8.0.32	
	UI Decentralize	UI Decentraliz Oracle E	Oracle Enterprise Linux Server 7.6	Oracle WebLogic Server	12.2.1.4.0	
	d branch	Database Branch for Decentraliz ed mode	(x86 64 Bit)	Oracle RDBMS Standard Edition (SE2)	19.6.0.0.0	
Oracle				JDK	1.8 Update 241	
FLEXCUBE Universal			One de Existin	Oracle WebLogic Server	12.2.1.4.0	
Banking BPEL/BPM N Processes and Process	UI-Host and Centralized	Application Server	Linux Server 7.6 (x86 64 Bit)		Oracle Repository Creation Utility (RCU) - To create SOA related schemas for BPEL	12.2.1.4.0
Framework				Oracle SOA Suite, Oracle BPM Suite	12.2.1.4.0	

	Web services (incoming) HTTP Servlet (incoming)				
Oracle FLEXCUBE Universal Banking Integration	EJB (incoming)	Integration Server	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	Oracle WebLogic Server	12.2.1.4.0
Gateway	MDB (incoming)				
	Notifications (outgoing)				
Oracle FLEXCUBE Universal Banking Switch Integration Gateway	Switch Integration Gateway	Integration Server	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	JDK	1.8 Update 241
				JDK	1.8 Update 241
Oracle FLEXCUBE Universal Banking	Web services	Integration Server	Oracle Enterprise Linux Server 7.3 (x86 64 Bit)	Oracle WebLogic Server	12.2.1.4.0
ReST			(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Oracle Toplink	12.2.1.4.0

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 10 and Mac OS X.

3.1.2 <u>Tech Stack – IBM</u>

Component	Deployment option	Machine	Operating System	Software	Version Number
		Application Server	Oracle Enterprise Linux Server 7.6 (x86 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
				Oracle Toplink	12.2.1.1.0
				Open Symphony Quartz	2.3.2
				Oracle WebCenter Content: Imaging	11.1.1.9.0
Oracle FLEXCUBE Universal	UI-Host and Centralized	Database Server	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	Oracle RDBMS Enterprise Edition	19.6.0.0.0
Banking				Internet Explorer	Microsoft Edge (11+)
			Windows 10	Mozilla Firefox	Mozilla Firefox Release(66+)
		# Client Machines		Google Chrome	Google Chrome Release(73+)
			Mac OS X	Mozilla Firefox	Mozilla Firefox for Mac 62+
				Safari	Safari 12+
				Google Chrome	Google Chrome Release(73+)
	Web services (incoming)	Integration Server	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	IBM WebSphere Application Server with inbuilt JVM (IBM JDK 1.8_64)	9.0.0.0
	HTTP Servlet (incoming)	Integration Server	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	IBM WebSphere Application Server with inbuilt JVM (IBM JDK 1.8_64)	9.0.0.0
Oracle FLEXCUBE Universal	EJB (incoming)	Integration Server	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	IBM WebSphere Application Server with inbuilt JVM (IBM JDK 1.8_64)	9.0.0.0
Banking Integration Gateway	MDB (incoming)	Integration Server	Oracle Enterprise Linux Server 7.6 (x86 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
	Notifications (outgoing)	Integration Server	Oracle Enterprise Linux Server 7.6 (x86 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
Oracle FLEXCUBE Universal Banking	Switch Integration Gateway	Integration Server	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	JDK	IBM JDK 1.8_241

Oracle				IBM WebSphere Application Server with inbuilt JVM (IBM JDK 1.8_64)	9.0.0.0
FLEXCUBE Universal Banking ReST	Web services	Integration Server	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	Oracle Toplink	12.2.1.4.0

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 10 and Mac OS X.

3.2 <u>Module-wise Software Prerequisites</u>

Product Name	Product Version	Requirements
Oracle Fusion Middleware Infrastructure	12.2.1.1.0	Optional - Oracle FLEXCUBE Universal Banking and Oracle FLEXCUBE Universal Banking Integration Gateway supports both WebLogic (Fusion Middleware) and WebSphere.
Java HotSpot(TM) JDK (with WebLogic Application Server)	JDK 1.8 Update 111	Optional – Required for Oracle FLEXCUBE Universal Banking and Oracle FLEXCUBE Universal Banking Integration Gateway on WebLogic.
Open Symphony Quartz	2.2.3	Standard requirement
Oracle Toplink	12.2.1.1.0	Optional - Required only if limits tracking is required.
Oracle WebCenter Content Imaging	11.1.1.9.0	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	12.1.0.2.0	Standard requirement
Oracle BI Publisher	12.2.1.1.0	Standard requirement. Refer to section 3.1.1 for dependent software (Reporting Server).

Product Name	Product Version	Requirements
Oracle Business Intelligence Enterprise Edition (OBIEE)	12.2.1.1.0	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	12.2.0.1.0	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	12.2.1.1.0	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 Identity Management (OID)	11.1.1.9.0	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	11.1.2.3.0	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)	12.1.0.2.0	Optional - Required if decentralized branch support is required. Refer to section 3.1.1 for related software (Decentralized branch).
Oracle SOA Suite	12.2.1.1.0	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	12.2.1.1.0	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_64).	8.5.5.9	Optional - Oracle FLEXCUBE Universal Banking and Oracle FLEXCUBE Universal Banking Integration Gateway supports both Weblogic and Websphere.

Product Name	Product Version	Requirements
IBM WebSphere MQ Server	8.0.0.2	Optional – Required for Oracle FLEXCUBE Universal Banking and Oracle FLEXCUBE Universal Banking Integration Gateway on WebSphere

4. Third Party Licenses

4.1 Introduction

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

- Apache License 2.0
- Apache License 1.1
- MIT License
- BSD-Style License
- OpenSymphony
- Third Party Libraries
- Other Java Transaction API

4.2 Apache License 2.0

Apache License

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XML Common Resolver

- Version 1.2
- License Tec ID- 21603
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