

Product Release Notes
Oracle FLEXCUBE Universal Banking
Release 14.7.0.0.0
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Financial Services



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1. Release Notes

1.1 **Background**

Oracle Financial Services Software Limited has developed Oracle FLEXCUBE Universal Banking, which enable banks to create a distributed network of branches for effective marketing and efficient handling of customer transactions.

Oracle FLEXCUBE Universal Banking is a real-time online solution, enabled for multi-currency, multilingual, multi-entity, multi-instance operations. Its mission-critical and robust architecture and use of leading-edge industry standard products ensure almost limitless scalability.

1.2 **Purpose**

The purpose of this Release Note is to propagate the enhancements in Oracle FLEXCUBE Universal Banking 14.7.0.0.0.

1.3 **Release Highlights**

The rationale for the product release of Oracle FLEXCUBE Universal Banking version 14.7.0.0.0 is to support regulatory requirement and enhance features that are essential in competitive market.

Following are the features included in the release along with forward porting of applicable fixes related to the incidences reported in previous versions and technical qualification to comply with approved Tech Stack.

- Technical changes to product to qualify with latest tech stack
- Composite Management Information System (MIS) replication in Common Core
- Support for Multiple Liabilities Linkage for a single customer
- Cash Management Incoming Messages support
- Extensible Screens for Messaging Jobs
- Resubmit Facility in External Payment System
- Artificial Intelligence/Machine Learning Inclusions (AI/ML)
- LATAM Localization Features enhancement

1.3.1 Technical changes to product

- Product has been qualified on Oracle Database 19.16.0.0.0
- Multiple changes are introduced as part of quality improvement and support of the product processors
- Changes to Common Core modules are introduced where impacts for the CORE modules are originating from FLEXCUBE and other product processors

1.3.2 Composite Management Information System (MIS) replication in Common Core

- For customer creation and modification at Oracle FLEXCUBE there would be a replication of composite MIS (Management Information System) in common core along with customer.

1.3.3 Support for Multiple Liabilities Linkage for a customer

- Changes are incorporated to support integration with Oracle Banking Enterprise Limits and Collateral Management product to support linkage of any multiple liabilities of a customer and allow Utilization across multiple liabilities.
- Customer can be mapped to one or more liabilities and vice versa.
- The Customer Account netting screen has been enhanced to support netting based on Liability Number.

1.3.4 Cash Management Incoming Messages support

- The message incoming browser screen has been enhanced to display CAMT052 and CAMT053 messages for EMS (Electronic Messaging System) queue.

1.3.5 Extensible Screens for messaging jobs

- The screens which are used to start and stop the accounting and messaging jobs are made extensible, additionally it would support Gateway and REST services.

1.3.6 Resubmit Facility in External Payment System (EPS)

- Re-triggering of failed records in external payment system queue has been introduced.
- When EPS Retrying EPS Triggered from Oracle FLEXCUBE to Oracle Banking Payment Product, records can be retrieved with appropriate generation message.
- The options to select the record(s) and re-submit or reject is provided.

1.3.7 Artificial Intelligence/Machine Learning Inclusions (AI/ML)

- Two new user interface screens are introduced as part of inclusion of machine learning in the product
- Use Case Definition: Use Cases are defined in this screen. Correlation and Cost Matrix sub-system screens are available to perform Correlation analysis and maintain the cost respectively.
- Training and Scoring: Training of data for the defined Use Case is done using this screen.

1.3.8 LATAM Localization Feature Enhancements

Following features are introduced in the LATAM localisation pack

- Cheque Book Cheque Types
- Cheque Book Numbering
- Cheque Book Personalization
- Issuing Continuous Cheques and Emergency Cheques
- Cheque book Delivery Instructions
- Cheque book Delivery Status and Cheque Book Status Mapping
- Cheque book Replacement Slips
- Blocking of Cheque Book Delivery and Replacement
- Cancellation/Destruction of Cheque Book
- Cheque Stop Payment
- Reversal of Cheque stop payment
- Cheque book Life Cycle Query
- Cheque book commissions
- Tax on Cheque book Issue to Customer
- Blocking amounts against Cheque
- Loan Currency Exclusion for GL Netting

2. Deprecated Features

- NA

3. Components of the Software

3.1 Documents Accompanying the Software

The various documents accompanying the software are as follows:

- Product Release Note and Installer Kit

User and Installation manuals – https://docs.oracle.com/cd/F72109_01/index.htm

- Online Help Files

3.2 Software Components

Software Components of Oracle FLEXCUBE 14.7.0.0.0 that form part of this release are as follows:

- Host
 - UI Components (JS,XML)
 - Stored Procedures (Packages, Functions, Procedures, Triggers, Views)
 - Tables, Types, Sequences, INC
 - Reporting Components (Data models(xdmz), Reports(xdoz), Subtemplate (xsbz))
- Java application layer
 - Java sources
 - Configuration files used for deployment
- Integration Gateway
- Switch Gateway (ATM/POS/IVR)
- REST Services
- Conversion Utilities
- Installation utilities
- ADF files used by Generic Interface (GI) – incoming and outgoing
- ODT
- Service Components

4. 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 WebLogic Server	14.1.1.0.0	
				Java HotSpot(TM) JDK (with WebLogic Application Server)	1.8 Update 341	
				Open Symphony Quartz	2.3.2	
		Client Machines Important - Browser Support is strictly tied to the Browser itself , and no longer based on the Operating System.	Database Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle RDBMS Enterprise Edition	19.16.0.0.0
					Mozilla Firefox	102+
					Microsoft Edge	107+
					Safari	15+
Oracle FLEXCUBE Universal Banking Integration Gateway	Web services (incoming)	Integration Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle WebLogic Server	14.1.1.0.0	
						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	1.8 Update 341	
Oracle FLEXCUBE Universal Banking REST Services	Web services	Integration Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	JDK	1.8 Update 341	
				Oracle WebLogic Server	14.1.1.0.0	
				Oracle Toplink	14.1.1.0.0	
Oracle FLEXCUBE Machine Learning	Centralized	Machine Learning Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	OML4R (Previously Oracle R Enterprise)	1.5.1	

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
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5. Third Party Software Details

- For information on the third-party software details, refer Oracle FLEXCUBE Universal Banking 14.7.0.0.0 License Guide