

Patch Release Notes
Oracle FLEXCUBE Universal Banking
Release 14.7.1.0.0
Part Number F77194-01
[May][2023]

ORACLE
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.

1.2 **Purpose**

The purpose of this Release Note is to propagate the enhancements in Oracle FLEXCUBE Universal Banking 14.7.1.0.0.

A patch release is an official Oracle patch release for Oracle FLEXCUBE Universal Banking. The fourth & fifth digit in a patch release string indicates the patch release number. The first three digits indicate the release to which the patch is applied. For example, release 14.7.1.0.0 is the first patch for Release 14.7.0.0.0 each patch release includes libraries and files that have been rebuilt to implement one or more fixes. Each patch release is incremental. In other words, the latest patch release includes new fixes released after the last patch released for the same release.

1.3 **Patch Requirements**

Customers installing this release should refer to 14.6_Patchset_Deployment_Guidelines.docx and 14.7.1.0.0 Java Services Deployment Guidelines.docx included in the Patch Release zip file. Confirm this patch release applied after applications of previous patch releases up to 14.7.0.0.0 completed successfully.

1.4 **Applying the Patch Release**

Customers installing this patch release should refer to the "Installation Guide" chapter in the Oracle FLEXCUBE Universal Banking Release 14.7 Install and Upgrade Guide, which is available here:

https://docs.oracle.com/cd/F72109_01/install.htm

Customers installing this patch release should refer to the Readme, Patch set and Java Services deployment guides included in the Patch Release zip file

1.5 **Release Highlights**

The rationale for the product release of Oracle FLEXCUBE Universal Banking version 14.7.1.0.0 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 for as part of quality improvement
- Redwood theme adoption
- Retry Mechanism of ECA from External System
- Support for track receivable
- Integration with Oracle Banking Collections and Recovery Product processor
- Latin America Localization Feature Enhancements

1.5.1 Technical changes to product for as part of quality improvement

- Multiple changes are introduced as part of quality improvement and support of the product processors
 - JDK 11 Qualification: Qualified the product on version 11.0 of Java Development Kit
 - Issues Resolved: Please refer FLEXCUBE bug lists which has been appended with the new bugs for the overview of the bugs which were addressed part of this release.
 - Forward Porting has been applied to manage the solutions provided against CCB and other customer request/concerns
 - Changes to Common Core modules are introduced where impacts for the CORE modules are originating from FLEXCUBE and other product processors

1.5.2 Redwood theme adoption

- Oracle Redwood Design System is the Oracle standard for application look and feel. Oracle globally has standardised for Redwood implementation to ensure consistency across the user interfaces of all Oracle product offerings. Oracle FLEXCUBE Universal Banking is adopting Redwood. Standard JavaScript Components are being replaced with OJET components and the UI layer (UI rendering, databinding & data transformation) are performed using OJET Version v13.1.0.

1.5.3 Retry Mechanism of ECA from External System

- Retry of ECA block is introduced in case of previously available block is failed. Post customer account balance is updated the retry for applying the ECA block is triggered. This support is extended to Creation and modification of account

1.5.4 Support for track receivable

- Support for tracking of charges (track receivable) when there are insufficient funds in customer account has been introduced. This is supported for new creation of customer and also on any modification. Auto settlement block requests are sent for managing track receivables functionality for external entities.

1.5.5 Integration with Oracle Banking Collections and Recovery Product processor

- Oracle FLEXCUBE Universal Banking is integrated with Oracle Banking Collections and Recovery Product processor for delinquency handling. Delinquent Retail Loan Accounts, Payment Schedules, and Account Party details are provided to OBCR with a set of outbound Generic Interfaces. End of Day batch is introduced to manage extract such contracts / details. Factory shipped Generic Interfaces shall be generated and shared to Collection system.

1.5.6 **Latin America Localization Feature Enhancements**

- Following features are introduced in the LATAM localisation pack
 - Inventory to track both Universal and Customized Cheque Books
 - Index Rates at Head office level and support for weekend rates
 - CNAB400 Incoming Payment file
 - CNAB400 Outgoing Log Interface file
 - Nosso Numero Generation
 - Discount and In-sequential Payments
 - Interest Accrual (D+1)
 - Feature to accrue interest of a particular day during EOD of the next working day.
 - Additional Contract Fields
 - Additioning of Amount tags
 - Address Derivation
 - Additional fields in Customer Maintenance Screen
 - Addition of new fields for Individual and Corporate customers at Customer Maintenance screen.
 - Write-off GL Movement and Payment
 - Change Request for Payments after Write-off Balance Accounting Entry

2. Deprecated Features

NA

3. Components of the Software

- For information on the Components of the Software, refer Oracle FLEXCUBE Universal Banking 14.7.0.0.0 release notes section 3.

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)	11.0.16		
				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 Database 19c Enterprise Edition Release		19.18.0.0.0
					Mozilla Firefox		102+
					Microsoft Edge		107+
Safari					15+		
		Google Chrome		107+			
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	11.0.16		
Oracle FLEXCUBE Universal Banking REST Services	Web services	Integration Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	JDK	11.0.16		
				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 14.7.1.0.0 License Guide



Patch Release Note
May [2023]
Version 14.7.1.0.0

Oracle Financial Services Software Limited Oracle Park
Off Western Express Highway Goregaon (East)
Mumbai, Maharashtra 400 063 India

Worldwide Inquiries:
Phone: +91 22 6718 3000
Fax: +91 22 6718 3001
www.oracle.com/financialservices/
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