

Product Release Note
Oracle FLEXCUBE Enterprise Limits and Collateral
Management
Release 14.1.0.0.0
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Version 14.1.0.0.0

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1. Release Notes

1.1 Background

Oracle FLEXCUBE Enterprise Limits and Collateral Management is an enterprise application that enables banks to manage their exposure by centralizing limits definition process and collateral management, and effectively managing the underlying documentation. It is a real-time, solution for exposure tracking, credit facility creation and renewal, collateral pooling and collateral valuation and is enabled for multi-currency, multi-entity, multi-instance operations. Built on SOA, Oracle FLEXCUBE Enterprise Limits and Collateral Management offers strong integration capability to coexist with the existing application landscape.

Oracle FLEXCUBE Enterprise Limits and Collateral Management 14.1.0.0.0 is enhanced on the Base Version of Oracle FLEXCUBE Enterprise Limits and Collateral Management 14.0.0.0.0.

1.2 Purpose

The purpose of this Release Note is to highlight the enhancements in Oracle FLEXCUBE Enterprise Limits and Collateral Management 14.1.0.0.0

1.3 Abbreviations

Abbreviation	Description
BIP	Business Intelligence Publisher
BOD	Beginning Of Day
BPEL	Business Process Execution Language
BPMN	Business Process Management and Notation
CO	Core Services
CPG	Common Payment Gateway
EJB	Enterprise Java Beans
ELCM	Oracle FLEXCUBE Enterprise Limits and Collateral Management
EOD	End of Day
LM	Limits and Collaterals
FCUBS	Oracle FLEXCUBE Universal Banking
FCY	Foreign Currency
IE	Internet Explorer
JDBC	Java Database Connectivity
JPA	Java Persistence API
OBCL	Oracle Banking Corporate Lending
OD	Over Draft
ODT	Oracle Development Tool
OR	Origination
PII	Personally Identifiable Information
SMS	Secure Management System
SSO	Single Sign On
SQLJ	A SQLJ program is a Java program containing embedded SQL statements.
UCM	Universal Content Management
UI	User Interface

For module code and description details, please refer Annexure C.

1.4 Release Highlights

The scope of the current release Oracle FLEXCUBE Enterprise Limits and Collateral Management 14.1 is mainly focused following enhancements:

- Enterprise Collateral Management-Enterprise Limits Management segregation
- Static type change to ELCM table
- Block support for all entities
- Tanking to be available for all entities
- Masking
- Granular Access
- Right to Be Forgotten

1.4.1 Enterprise Collateral Management-Enterprise Limits Management segregation

- All collateral related function IDs have been moved under new module code “GC”. Hence, all existing collateral related function IDs have been renamed.

1.4.2 Static type change to ELCM table

- Static type maintenance were moved from mini core to ELCM. Hence all static maintenance related function IDs have been brought under GE module and function IDs are modified accordingly.

1.4.3 Block support for all entities

- Functionality added for blocking the funds for a Facility, Liability, Collateral and Collateral Pool. All the amount related validations, breach verifications are done during the block. During utilization, in case a block reference number has been provided, then the validations are skipped, corresponding block will be released and then utilized.

1.4.4 Tanking to be available for all entities

- Utilization of facility during batch execution in ELCM is tanked and during BOD stage, the tanked utilization is untanked. In this release, this functionality has been extended to Collateral, Pool, and Liability as well.

1.4.5 Masking

- Personally Identifiable Information (PII) in scoped function IDs are enhanced to display masked or unmasked values depending on the user definition
- Masking personally identifiable information is based on the policies created in database

1.4.6 Granular Access

- Customer and Customer Account maintenance, restricted to users based on the access group restriction attached at user level for the scoped function IDs
- User will not be able to query, view, create or amend data based on access group restriction

1.4.7 **Right to Be Forgotten**

- Personally identifiable information of closed Users and Customers are permanently anonymized
- Once PII information is permanently anonymized corresponding Users and Customers cannot be queried from application
- Right to be forgotten will be processed based on the number of days to forget customer

2. Components of the Software

2.1 Documents accompanying the software

The various documents accompanying the software are as follows:

- Release Note
- Installer Kit

Note: User Manuals and Installation Guide can be accessed from

http://docs.oracle.com/cd/E92997_01/index.htm

2.2 Software Components

Software Components of Oracle FLEXCUBE 14.1.0.0.0 that form part of this release are as follows:

- Host
 - UI Components (JS,XML)
 - Stored Procedures (Packages, Functions, Procedures, Triggers, Views)
 - Reporting Components(Data models(xdm), Reports(xdo and rtf))
 - Process Framework components (BPEL)
- New UI Application Server
 - Java Sources
 - Configuration files used for deployment
- Interface
 - ASCII interface sources
 - Stored Procedures (Packages, Functions, Procedures, Triggers, Views)
- Gateway
- Java application layer
 - Java sources
 - Configuration files used for deployment
 - Messaging layer
 - Stored Procedures (Packages, Functions, Procedures, Triggers, Views)
- Installation utilities
 - Front end based installation for host
 - Front end based installation for Gateway backend
 - Installation documents for
 - Oracle FLEXCUBE Installer documents
 - Gateway
- SMS Related Components
- Reports

- Stored Procedures (Packages, Functions, Procedures, Views)
- Repositories and pre-defined Reports
- Online Help Files

3. Annexure – A: Environment Details

3.1 Tech Stack – Oracle

Component/Deployment option	Machine	Operating System	Software	Version	Remarks
Oracle FLEXCUBE Enterprise Limits and Collateral Management - Stand Alone	Application Server	Oracle Enterprise Linux Server 7.3 (x86 64 Bit)	Oracle Fusion Middleware Infrastructure	12.2.1.3.0	
			Java HotSpot(TM) JDK (with WebLogic Application Server)	JDK 1.8 Update 171	
			Open Symphony Quartz	2.3.1	
			Oracle Toplink	12.2.1.3.0	
	Document Management System	Oracle Enterprise Linux Server 7.3 (x86 64 Bit)	Oracle WebLogic	12.2.1.3.0	
			JDK	JDK 1.8 Update 171	
			Oracle Database (for RCU)	12.2.0.1.0 (R2)	
			Repository Creation Utility	12.2.1.3.0	
			Oracle WebCenter Content Imaging	12.2.1.3.0	As per SOD we are using Webcenter Content Imaging11.1.1.9.0 (Ref : https://support.oracle.com/epmos/faces/DocumentDisplay?_afzLoop=436533409718226&parent=WIDGET_RECENTLY_VIEWED&sourceId=&id=2064485.1&_afzWindowMode=0&_adf.ctrl-state=153v7g2erg_139)

Database Server	Oracle Enterprise Linux Server 7.3 (x86 64 Bit)	Oracle RDBMS Enterprise Edition	12.2.0.1.0 (R2)	
Reporting Server	Oracle Enterprise Linux Server 7.3 (x86 64 Bit)	Oracle WebLogic	12.2.1.3.0	
		JDK	JDK 1.8 Update 171	
		Oracle Database (for RCU)	12.2.0.1.0 (R2)	
		Repository Creation Utility	12.2.1.3.0	
		Oracle BI Publisher	12.2.1.3.0	
FLEXCUBE Information Server	Oracle Enterprise Linux Server 7.3 (x86 64 Bit)	Oracle WebLogic	12.2.1.3.0	
		JDK	JDK 1.8 Update 171	
		Oracle Database (for RCU)	12.2.0.1.0 (R2)	
		Repository Creation Utility	12.2.1.3.0	
		Oracle Business Intelligence Enterprise Edition (OBIEE)	12.2.1.3.0	
Client Machines	Windows 7	Microsoft Internet Explorer	11.X	
		Mozilla Firefox	54+	
		Google Chrome	60+	
	Windows 8	Microsoft Internet Explorer	11.X	
		Mozilla Firefox	54+	
		Google Chrome	60+	
	Windows 10	Microsoft Edge	Microsoft Edge	
		Mozilla Firefox	54+	
		Google Chrome	60+	
	Mac OS X	Mozilla Firefox for Mac	54+	
		Safari	Safari 9.1.1	
		Google Chrome	60+	

			JDK	JDK 1.8 Update 171	
			Oracle WebLogic	12.2.1.3.0	
			Repository Creation Utility	12.2.1.3.0	
			Oracle Identity Management (OID)	12.2.1.3.0	
			Oracle SOA	12.2.1.3.0	
			Oracle Identity And Access Management	12.2.1.3.0	
			Oracle Webtier Utilities	12.2.1.3.0	
			Oracle Webgate	12.2.1.3.0	
		Oracle Enterprise Linux Server 7.3 (x86 64 Bit)	OID Connector	12.2.1.3.0	11.1.1.6.0 (Bundled within Oracle Identity and Access Management 11.1.2.3.0)
	Single Sign On Server				
			JDK	1.8 Update 171	
			Oracle WebLogic Server	12.2.1.3.0	
			Oracle Repository Creation Utility (RCU) - To create SOA related schemas for BPEL	12.2.1.3.0	
			Oracle SOA Suite, Oracle BPM Suite	12.2.1.3.0	
Oracle FLEXCUBE Enterprise Limits and Collateral Management BPEL/BPMN Processes and Process Framework Stand Alone	Application Server	Oracle Enterprise Linux Server 7.3 (x86 64 Bit)			

Oracle FLEXCUBE Enterprise Limits and Collateral Management Integration Gateway 1. Web services (incoming) 2. HTTP Servlet (incoming) 3. Gateway EJB (incoming) 4. Gateway MDB (incoming) 5. Notifications (outgoing)	Integration Server	Oracle Enterprise Linux Server 7.3 (x86 64 Bit)	Oracle WebLogic Server	12.2.1.3.0	
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3.2 Tech Stack – IBM

Component Deployment option	Machine	Operating System	Software	Version
Oracle FLEXCUBE Enterprise Limits and Collateral Management - Standalone	Application Server	Oracle Enterprise Linux Server 7.3 (x86 64 Bit)	IBM WebSphere Application Server with inbuilt JVM (IBM JDK 1.8_64)	9.0
			IBM WebSphere MQ Server	9.0
			Oracle Toplink	12.2.1.3.0
			Open Symphony Quartz	2.3.1
			Oracle WebCenter Content: Imaging	12.2.1.3.0
Oracle FLEXCUBE Enterprise Limits and Collateral Management - Standalone	Database Server	Oracle Enterprise Linux Server 7.3 (x86 64 Bit)	Oracle RDBMS Enterprise Edition	12.2.0.1.0 (R2)

		Windows 7	Microsoft Internet Explorer	11.X
			Mozilla Firefox	54+
		Windows 8	Google Chrome	60+
			Microsoft Internet Explorer	11.X
			Mozilla Firefox	54+
		Windows 10	Google Chrome	60+
			Microsoft Edge	Microsoft Edge
			Mozilla Firefox	54+
	Client Machines	Mac OS X	Google Chrome	60+
			Mozilla Firefox for Mac	54+
			Safari	9.1.1
			Google Chrome	60+
Oracle FLEXCUBE Enterprise Limits and Collateral Management Integration Gateway - Web services (incoming)	Integration Server	Oracle Enterprise Linux Server 7.3 (x86 64 Bit)	IBM WebSphere Application Server with inbuilt JVM (IBM JDK 1.8_64)	9.0
Oracle FLEXCUBE Enterprise Limits and Collateral Management Integration Gateway - HTTP Servlet (incoming)	Integration Server	Oracle Enterprise Linux Server 7.3 (x86 64 Bit)	IBM WebSphere Application Server with inbuilt JVM (IBM JDK 1.8_64)	9.0
Oracle FLEXCUBE Enterprise Limits and Collateral Management Integration Gateway - EJB (incoming)	Integration Server	Oracle Enterprise Linux Server 7.3 (x86 64 Bit)	IBM WebSphere Application Server with inbuilt JVM (IBM JDK 1.8_64)	9.0
Oracle FLEXCUBE Enterprise Limits and Collateral Management Integration Gateway - MDB (incoming)	Integration Server	Oracle Enterprise Linux Server 7.3 (x86 64 Bit)	IBM WebSphere Application Server with inbuilt JVM (IBM JDK 1.8_64)	9.0
			IBM WebSphere MQ Server	9.0
Oracle FLEXCUBE Enterprise Limits and Collateral Management Integration Gateway - Notifications (outgoing)	Integration Server	Oracle Enterprise Linux Server 7.3 (x86 64 Bit)	IBM WebSphere Application Server with inbuilt JVM (IBM JDK 1.8_64)	9.0
			IBM WebSphere MQ Server	9.0

4. Annexure – B: Third Party Software Details

Licensor Name	Licensed Technology	Version
Sean Owen	PJL Compressing Filter (ZipLet)	2.3.0
Apache	commons-logging	1.2
Apache	Apache Commons Codec	1.11
Apache	Commons Net	3.6
Apache	commons-io	2.6
Apache	Ant	1.10.1
Apache	Apache POI	3.17
QOS.ch	Simple Logging Façade for Java (SLF4J)	1.7.25
Terracota	Quartz Job Scheduler	2.3.1
Apache	Log4J	2.10.0
Apache	Apache Commons Transaction 1.2	1.2
Yahoo	YUI Compressor	2.4.8
Apache	Commons Collections	4.1

5. Annexure – C: Module Code and Description

Abbreviation/ Acronym	Meaning
CO (Core)	Oracle FLEXCUBE Core
SMS	Security Management System
EL	Enterprise Limit
GE	Global Exposure
GC	Global Collateral