

Product Release Note  
Oracle Banking Treasury Management  
Release 14.4.0.0.0  
April 2020





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April 2020  
Version 14.4.0.0.0

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# 1. Release Notes

## 1.1 Background

Oracle Financial Services Software Limited has developed new product processor, Oracle Banking Treasury Management (OBTR), which is a comprehensive solution for managing Treasury operations for Banks.

Oracle Banking Treasury Management is an online Real-time solution and is enabled for a multi-entity, multi-currency, multi-lingual operations. OBTR is built on highly adaptable and modular architecture with leading edge industry standards and supports multi-tenancy deployments.

OBTR offers financial institutions, the flexibility to adapt to changing regulatory reforms in treasury markets and enable banks to improve their overall operational efficiency. OBTR provides end-to-end trading capabilities for diverse range of Trading Instruments in Foreign Exchange, Money Markets, Securities, Derivatives and Over-the-counter products.

OBTR is equipped with an innovative pre- settlement manager that expedites and simplifies the operational flow of the Treasury Deals.

## 1.2 Purpose

The purpose of this Release Note is to propagate the enhancements in Oracle Banking Treasury Management 14.4.0.0.0.

## 1.3 Abbreviations

Abbreviation	Description
OBTR	Oracle Banking Treasury Management
OBTF	Oracle Banking Trade Finance
OBPM	Oracle Banking Payment
OBDX	Oracle Banking Digital Experience
OFSAA	Oracle Financial Services Analytical Application
DDA	Demand Deposit Accounts
SWIFT	Society for Worldwide Interbank Financial Telecommunication
OFCUB/FCUBS	Oracle FLEXCUBE Universal Banking

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

## 1.4 Release Highlights

The rationale for the new product release of Oracle Banking Treasury Management version 14.4.0.0.0 is to have treasury specific product, enabling Banks to choose a diverse range of Treasury products designed to support multiple currencies, facilitate and manage handling of trades efficiently and to support the regulatory requirements and to have features that are essential for Capital markets.

- Oracle Banking Treasury Management product is built to have the below major modules
  - Foreign Exchange
  - Money Market
  - Securities
  - Repo and reverse repo
  - Over The Counter Currency Options
  - Over The Counter Interest Rate Options
  - Over The Counter Interest rate and Cross currency Swaps
  - Forward Rate Agreement (FRA)
  - Exchange Traded Derivatives for Commodities Futures and Options
  - Exchange Traded Derivatives for Interest Rate Futures and Options
  - Exchange Traded Derivatives for Currency Futures and Options
  - Exchange Traded Derivatives for Bonds and Equity Futures and Options
  - Exchange Traded Derivatives for Index Futures and Options
  - Islamic Money Market
  - Islamic Derivatives
- Oracle Banking Treasury Management product consists of common sub systems for processing Settlements, Messages, Tax, Brokerage, Interest, Charges, Commission and Fees and so on in the various modules mentioned above.
- Oracle Banking Treasury Management product can work as a stand-alone system or can work in tandem with other Oracle Banking products such as OBPM, OBTF, OBDX, Oracle Banking Limits and Collateral Management and OFSAA
- Oracle Banking Treasury Management can integrate with DDA systems like Oracle FLEXCUBE Universal Banking System for DDA Posting, Accounting and MIS.
- Following are the additional 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.
- Other features added for the product scope
  - Treasury Pre-settlement Processing for Foreign Exchange and Money Market
  - Settlement Instruction enhancements
  - Treasury - SWIFT 2020 Changes
    - MT 305 Foreign Currency Option Confirmation
    - MT 306 Foreign Currency Option Confirmation
  - Capturing the additional customer details for treasury
  - Capturing additional branch details for treasury
  - Integration with other product processors
    - Integration with OBPM using Cross border Incoming payment service for MT210 (Notice to Receive) message generation
  - Integration with DDA and ELCM for
    - External account check
    - External credit approval
    - Accounting hand off

- Utilization of Limit
- Manual Netting enhancements

## 1.5 **Release Enhancements**

### 1.5.1 **Major Functional Modules in Product**

- Foreign Exchange
- Money Market
- Securities
- Repo and reverse repo
- Over The Counter Currency Options
- Over The Counter Interest Rate Options
- Over The Counter Interest rate and Cross currency Swaps
- Forward Rate Agreement (FRA)
- Exchange Traded Derivatives for Commodities Futures and Options
- Exchange Traded Derivatives for Interest Rate Futures and Options
- Exchange Traded Derivatives for Currency Futures and Options
- Exchange Traded Derivatives for Bonds and Equity Futures and Options
- Exchange Traded Derivatives for Index Futures and Options
- Islamic Money Market
- Islamic Derivatives

Below common sub-systems are built for uniform processing in the various modules of Treasury

- Settlements
- Messaging
- Tax
- Brokerage
- Interest, Charges, Commission and Fees

### 1.5.2 **Treasury Pre-settlement Processing for Foreign Exchange and Money Market**

- Introduced Treasury Pre-Settlement layer for Foreign Exchange and Money Market modules
- The Pre-Settlement layer receives request from front office and the below processing is done
  - Settlement pick up
  - Exception handling
  - Confirmation message generation
- Provision is available for defining the rules for queue processing and for product derivation rule
- Upload and online screens are provided for processing the request
- Deal is processed to the product processor once the exceptions are cleared
- Pre-Settlement queue monitor enables the user to get a consolidated view of the exceptions

- Provision for viewing the trade exceptions on the deal using queue screens and resolving the same

### **1.5.3 Settlement Instruction Enhancements**

- Settlement Instruction maintenance is enhanced to have a new field, Effective date as part of the criteria for pick up
- Below enhancements is done in settlement instruction maintenance for FX and MM pre-settlement layer
  - Propagation of settlement instruction modifications for the applicable foreign exchange deals and Money market deals at pre-settlement layer will be possible. A flag is provided for the same
  - It will be possible to indicate the instruction type as standard or Usual
- By indicating the instruction as auto upload, system will pick up the instructions automatically and enrich the deal when the request comes from the front office to Pre-settlement layer

### **1.5.4 Treasury - SWIFT 2020 Changes**

#### **MT 305 Foreign Currency Option Confirmation**

- Support for generation of MT 305 Foreign Currency Option Confirmation Message as per SWIFT 2020 standards

#### **MT 306 Foreign Currency Option Confirmation**

- Support for generation of MT 306 Foreign Currency Option Confirmation Message as per SWIFT 2020 standards

### **1.5.5 Integration with External Payment Product Processor for Payment Generation**

- Enhanced the system to integrate with external payment product processor for handling outgoing payments and for payment message generation.
- Integration with OBPM cross border incoming payment service has been done to generate MT210 (Notice to Receive) message

### **1.5.6 Integration with DDA System**

- Integration with DDA system for following operations.
  - Account Validation (EAC)
  - External Credit Approval for transactions (ECA)
  - Hand off the transaction to DDA for External Accounting (EA)

### **1.5.7 Integration with Limits System**

- For Limit utilization, OBTR is integrated with External Limits system

### **1.5.8 Capturing Additional Customer Details**

- Additional customer details related to treasury modules are captured for processing the treasury transactions.

### **1.5.9 Capturing Additional Branch Details**

- Additional Branch details related to treasury modules are captured for processing the treasury transactions

### **1.5.10 Manual Netting Enhancements**

- New screen is provided for manual netting for Foreign Exchange module which will display the deals to be netted
- There will be a provision for the user to view the netting details like netted amount
- Provision for modifying the details of the netting
- Intraday batch for the settlement processing of the netted details is introduced

### **1.5.11 Deferred Issues**

None



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## 2. Components of the Software

### 2.1 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/F29596\\_01/index.htm](https://docs.oracle.com/cd/F29596_01/index.htm)
- Online Help Files

### 2.2 Software Components

Software Components of Oracle Banking Treasury Management 14.4.0.0.0 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
- REST Services
  - Java application layer
    - Java sources
    - Configuration files used for deployment
- Conversion Utilities
- Installation utilities
- ADF files used by Generic Interface (GI) – incoming and outgoing
- Tools
  - ODT

## 3. Annexure – A: Environment Details

### 3.1 Tech Stack – Oracle

Component	Deployment option	Machine	Operating System	Software	Version Number
Oracle Banking Treasury	UI-Host and Centralized	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
		Database Server	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	Oracle RDBMS Enterprise Edition	19.6.0.0.0
		Reporting Server	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	Oracle WebLogic Server	12.2.1.4.0
				JDK	1.8 Update 241
				Oracle Analytics Server	5.5.0
		Windows 10	Windows 10	Internet Explorer	11+
				Mozilla Firefox	66+
				Google Chrome	73+
				Microsoft Edge	44+
			Mac OS X	Mozilla Firefox	Mozilla Firefox for Mac (62+)
				Safari	12+
		Mac OS X	Google Chrome	73+	

				JDK	1.8 Update 241
				Oracle WebLogic Server	12.2.1.4.0
				Repository Creation Utility	12.2.1.4.0
		Single Sign On Server	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	Oracle Identity Management	12.2.1.4.0
				Oracle SOA	12.2.1.4.0
				Oracle Identity And Access Management	12.2.1.4.0
				Oracle Web tier Utilities	12.2.1.4.0
				Oracle Web gate	12.2.1.4.0
Oracle Banking Treasury Integration Gateway	Web services (incoming)	Integration Server	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	Oracle WebLogic Server	12.2.1.4.0
	HTTP Servlet (incoming)				
	EJB (incoming)				
	MDB (incoming)				
	Notifications (outgoing)				

Note: # Browser support is no longer based on Operating Systems but strictly tied to the browser themselves, no matter on which Operating Systems they are installed. Current release is certified on client workstations with Windows 10 and Mac OS X.

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## 4. Annexure – B: Third Party Software Details

For information on the third party software details, refer Oracle Banking Treasury 14.4.0.0.0 License Guide

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## 5. Annexure – C: Module Code and Description

Module Code	Module Description
FX	Foreign Exchange
MM	Money market
SE	Securities
DV	Derivatives
ED	Exchange Traded Derivatives
OT	Over The Counter Derivatives
ID	Islamic Derivatives
MC	Islamic Money Markets
SR	Securities Repo and Reverse Repo

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## 6. Annexure – D: Deprecated Functionality

None