

Oracle® Banking Treasury Management Release Notes



Release 14.7.1.0.0

F81458-01

May 2023

ORACLE®

Copyright © 2020, 2023, Oracle and/or its affiliates.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software, software documentation, data (as defined in the Federal Acquisition Regulation), or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software," "commercial computer software documentation," or "limited rights data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle®, Java, and MySQL are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

Contents

Preface

Background	iv
Purpose	iv
Audience	iv
Abbreviations	v
List of Topics	v
Related Documents	v

1 Release Notes - Introduction

1.1 Release Highlights	1-1
1.2 Release Enhancements	1-2

2 Components of the Software

3 Environment Details

4 Third Party Software Details

Index

Preface

This topic contains following sub-topics:

- [Background](#)
- [Purpose](#)
- [Audience](#)
- [Abbreviations](#)
- [List of Topics](#)
- [Related Documents](#)

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 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.

Purpose

The purpose of this Release Note is to propagate the features of Oracle Banking Treasury Management 14.7.1.0.0

Audience

This document is intended for the following audience:

- Customers
- Partners

Abbreviations

Table 1 Abbreviation

Abbreviation	Description
DIKI	Down and in Knock in
DDA	Demand Deposit Account
DOKO	Down and out Knock out
EA	External Accounting
FMIA	Financial Market Infrastructure Act
JDK	Java Development Kit
MDB	Message Driven Bean
OBTR	Oracle Banking Treasury Management
OBPM	Oracle Banking Payments
SKIN	Single knock in
SKOT	Single knock out
SME	Small and Medium Sized Enterprises
UIKI	Up and in Knock in
UOKO	Up and out Knock out

List of Topics

Topics	Description
Release Notes - Introduction	This topic provides the information on the release enhancements for Oracle Banking Treasury Management.
Components of the Software	This topic consists of the technology pre-requisites required for Oracle Banking Treasury Management.
Environment Details	This topic provides the information on the environment details for Oracle Banking Treasury Management.
Third Party Software Details	This topic provides the information on licensing of third-party software that are packaged with Oracle Banking Treasury Management.

Related Documents

For more information on any related features, you can refer to the following documents:

- *Oracle Banking Treasury Management User Manuals*
- *Oracle Banking Treasury Management License Guide*

1

Release Notes - Introduction

This topic contains the following subtopics:

- [Release Highlights](#)
- [Release Enhancements](#)

1.1 Release Highlights

The rationale for the new product release of Oracle Banking Treasury Management version 14.7.1.0.0 is to enhance the existing product with newer Treasury functionality, 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 has 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 consists of Pre-Settlement Manager layer, which can receive request from front office and the below features are available:
 - Defining the rules for queue processing and for product derivation
 - Settlement pick up
 - Exception handling

- Confirmation message generation
- Pre-Settlement queue monitor enables the user to get a consolidated view of the exceptions and enables the resolution
- 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.

1.2 Release Enhancements

SWIFT 2023 Enhancements for Derivatives, Foreign Exchange, Options and Messaging Modules

As part of the SWIFT 2023 Guidelines, the below changes are introduced:

- In an Options contract, the expiration style is made applicable only for plain vanilla option style and not applicable for other option styles
- Four additional barrier types such as Up and in Knock in (UIKI), Up and out Knock out (UOKO), Down and in Knock in (DIKI) and Down and out Knock out (DOKO) and its processing are introduced to replace the existing barrier types: Single knock in (SKIN) and Single knock out (SKOT)
- Option styles, Digital and No touch behaves in the same way as BINARY option style
- Introduced new field/Tag- Barrier Time Type having value as CONT by default
- In MT 306 (Foreign Currency Option Confirmation) message the required tag name changes are introduced as per the guidelines
- An additional new code Financial Market Infrastructure Act. FMIA is introduced as part of reporting jurisdiction field impacting category 3 messages

ISO20022 Changes – MT103, MT202, MT900 and MT910 for Derivatives, Foreign Exchange, Money Market, Options, Securities, and Securities Repo Modules

- The system can now receive the notifications sent by OBPM on MX messages, pacs.008 and pacs.009 (replacement for MT103 and MT202) as per ISO20022 standards. Messages can be processed and viewed in OBTR.
- The system now supports Bank to Customer Debit/Credit Notification message generation (camt.054) as per ISO20022 standards for Debit and Credit transactions during online and EOD processing. This ISO20022 message replaces both MT900-confirmation of debit and MT910-confirmation of credit messages

JDK 11 Changes

The system is enhanced to qualify JDK11 features.

External Accounting Performance Changes for all the OBTR Modules

Below changes are done to enhance the performance during External Accounting (EA) processing:

- EA processing call to an external system (FCUBS) can be synchronous (Existing) or asynchronous (New)
- The asynchronous communication mode of EA processing is achieved by maintaining MDB Queue
- Based on the MDB queue maintenance, the system post the request to the respective queue and receives response Asynchronously
- Account handoff preference is introduced to maintain Multiple DDAs based on the source system maintenance at account level. Posting of external accounting entries can be done with or without Offset entries
- Posted Requests and Responses of External accounting can be viewed from the newly introduced External Accounting Entries Browser screen. Manual retry of failures can be done from this screen

Redwood Adoption

Redwood theme adoption is achieved for the OBTR application.

2

Components of the Software

Documents Accompanying the Software

The various documents accompanying the software are as follows:

- *Release Notes*
- *Installation Manuals*
- *User Manuals*

Software Components

Software Components of Oracle Banking Treasury Management that are 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),Sub-template (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

Environment Details

Table 3-1 Tech Stack – Oracle

Component	Deployment option	Machine	Operating System	Software	Version Number
Oracle Banking Treasury Management	UI-Host and Centralized	Application Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle Fusion Middleware Infrastructure	14.1.1.0.0
				Java HotSpot(TM) JDK (with WebLogic Application Server)	JDK 11.0.16
		Database Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle RDBMS Enterprise Edition	19.16.0. 0.0
		Client Machines# For detailed information on Browser Support, please refer to the Oracle Software Web Browser Support Policy at https://www.oracle.com/middleware/technologies/browserpolicy.html	Client Machine	Mozilla Firefox	91+
			Client Machine	Google Chrome	100+
			Client Machine	Microsoft Edge	99+
			Client Machine	Safari	15+
Oracle Banking Treasury 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)		Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle WebLogic Server	14.1.1.0. 0

Table 3-1 (Cont.) Tech Stack – Oracle

Component	Deployment option	Machine	Operating System	Software	Version Number
	EJB (incoming)		Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle WebLogic Server	14.1.1.0. 0
	MDB (incoming)		Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle WebLogic Server	14.1.1.0. 0
	Notifications (outgoing)		Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle WebLogic Server	14.1.1.0. 0

4

Third Party Software Details

For details on the third party software used, see Oracle Banking Treasury Management Licensing Guide available in the OHC Documentation Library.

<https://docs.oracle.com/en/industries/financial-services/banking-treasury-management/index.html>

Index

C

Components of the Software, [2-1](#)

E

Environment Details, [3-1](#)

R

Release Enhancements, [1-2](#)

Release Highlights, [1-1](#)

T

Third Party Software Details, [4-1](#)