

# Oracle® Banking Treasury Management

## Oracle Banking Treasury Management- OFSAA Integration Guide



Release 14.7.3.0.0

F93912-01

February 2024

The Oracle logo, consisting of a solid red square with the word "ORACLE" in white, uppercase, sans-serif font centered within it.

ORACLE®

F93912-01

Copyright © 2020, 2024, 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, MySQL, and NetSuite 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.

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

# Contents

## Preface

---

Audience	iv
Acronyms and Abbreviations	iv
Conventions	iv
List of Topics	v
Symbols and Icons	v
Related Resources	v

## 1 Oracle Banking Treasury Management and the Oracle Financial Services Analytical Applications Integration

---

1.1	Integration Scope in Oracle Banking Treasury Management	1-1
1.2	Integration Scope in Oracle Financial Services Analytical Applications	1-2
1.3	Prerequisites in Oracle Banking Treasury Management	1-2
1.3.1	Maintenance	1-2
1.3.1.1	Maintain Batch Programs	1-2
1.3.1.2	Maintain Extraction Routines	1-3
1.4	Integration Architecture	1-3
1.5	Integration Process	1-4
1.5.1	Extraction Log	1-4

## 2 Data Transfer from OBTR to OFSAA

---

# Preface

This document helps you acquaint with the information on inter-connecting Oracle Banking Treasury Management (OBTR) with Oracle Financial Services Analytical Application (OFSAA).

This preface has the following topics:

- [Audience](#)
- [Acronyms and Abbreviations](#)
- [Conventions](#)
- [List of Topics](#)
- [Symbols and Icons](#)
- [Related Resources](#)

## Audience

This guide is intended for Back Office Data Entry Clerk, Back Office Managers/ Officers, Product Managers, End of Day Operators, and Financial Controller users.

## Acronyms and Abbreviations

The acronyms and abbreviations are listed in this below table:

**Table 1 Acronyms and Abbreviations**

Acronyms or Abbreviations	Description
EOD	End of Day
EOFI	End of Financial Input
DIH	Data Integration Hub
OD	Overdraft
OFSAA	Oracle Financial Services Analytical Applications
OBTR	Oracle Banking Treasury Management
System	Unless and otherwise specified, it always refers to Oracle Banking Treasury Management

## Conventions

The following text conventions are used in this document:

Convention	Meaning
<b>boldface</b>	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

## List of Topics

This guide is organized as follows:

**Table 2 List of Topics**

Topics	Description
<a href="#">Oracle OBTR - OFSAA Integration</a>	Explains the integration between Oracle Banking Treasury Management and Oracle Financial Services Analytical Applications.
<a href="#">Data Transfer from OBTR to OFSAA</a>	Explains the details of data exchange.

## Symbols and Icons

**Table 3 Symbols**

Icons	Function
	Exit
	Add row
	Delete row
	Option List

## Related Resources

For more information, see these Oracle resources:

- *Oracle Banking Treasury Management Installation Manuals*
- *Common Core - Core Entities and Services User Guide*

# 1

## Oracle Banking Treasury Management and the Oracle Financial Services Analytical Applications Integration

The integration between the Oracle Banking Treasury Management (OBTR) and the Oracle Financial Services Analytical Applications (OFSAA) enables the financial institutions to:

- Get insights to customer patterns based on the data captured in core banking
- Achieve end-to-end improvement in business delivery
- Achieve effective performance and risk free management using the available customer data

This integration is achieved by handing off OBTR core banking data via staging tables to OFSAA using DIH connector.

This chapter contains the following sections:

- [Integration Scope in Oracle Banking Treasury Management](#)  
This topic describes the integration scope in Oracle Banking Treasury Management.
- [Integration Scope in Oracle Financial Services Analytical Applications](#)  
This topic describes the integration scope in Oracle Financial Services Analytical Applications.
- [Prerequisites in Oracle Banking Treasury Management](#)  
This topic describes the maintenance of batch programs and extraction routine.
- [Integration Architecture](#)  
This topic describes information on the OBTR-OFSAA integration diagram.
- [Integration Process](#)  
This topic explains the integration process for OBTR and OFSAA integration.

### 1.1 Integration Scope in Oracle Banking Treasury Management

This topic describes the integration scope in Oracle Banking Treasury Management.

During the integration following data are provided to OFSAA in the OBTR staging table.

**Table 1-1 Module wise Hand off Details**

Module	Hand off Details
Foreign Exchange	<ul style="list-style-type: none"><li>• Forex account transaction data of a customer</li><li>• Foreign exchange contracts of a customer</li><li>• Exchange rates between two currencies</li></ul>
Money Marketing	<ul style="list-style-type: none"><li>• Borrowing records of the customer</li><li>• Money market transaction data</li></ul>

**Table 1-1 (Cont.) Module wise Hand off Details**

Module	Hand off Details
Securities	<ul style="list-style-type: none"> <li>Securities instrument contracts, securities deals, securities accounting entries</li> <li>Security repo contracts and security repo accounting entries</li> </ul>
Exchange Trade Derivatives	<ul style="list-style-type: none"> <li>Exchange Trade Derivatives (Futures)and Derivatives (FRA) transactions</li> <li>Exchange Trade Derivatives (Options)and OTC (CCO and IRO) transactions</li> </ul>
Derivatives	Derivatives transactions
Over the Counter Options	OT transactions

## 1.2 Integration Scope in Oracle Financial Services Analytical Applications

This topic describes the integration scope in Oracle Financial Services Analytical Applications.

Refer *FCUBS Connectors User Guide* and *Data Integration Hub User Guide* to know about integration scope in OFSAA.

## 1.3 Prerequisites in Oracle Banking Treasury Management

This topic describes the maintenance of batch programs and extraction routine.

Set up Oracle Banking Treasury Management. OFSAA user will have read-only access to this application. The access is provided only to particular extraction tables.

Refer the 'Oracle Banking Treasury Installation' manual.

This topic contains the following sub- topics:

- [Maintenance](#)

### 1.3.1 Maintenance

Perform the maintenance as discussed below.

- [Maintain Batch Programs](#)  
This topic describes maintenance of batch programs.
- [Maintain Extraction Routines](#)  
The Maintaining Extraction Routines topic explains the maintenance of the data extraction routines in the maintenance table called ESTM\_TR\_DEST\_TABLES.

#### 1.3.1.1 Maintain Batch Programs

This topic describes maintenance of batch programs.

You need to maintain the batch program EMXTRACT using **Mandatory Batch Program Maintenance (EIDMANPE)** screen. This batch extracts the data from Oracle

Banking Treasury Management during end of financial input (EOFI) stage. It is recommended that the extraction of data from Oracle Banking Treasury Management is done from the reporting environment and not the production environment. You also need to maintain the extraction routine.

### 1.3.1.2 Maintain Extraction Routines

The Maintaining Extraction Routines topic explains the maintenance of the data extraction routines in the maintenance table called ESTM\_TR\_DEST\_TABLES.

The below table is used to maintain extraction routines and must be maintained manually with the following values along with other details:

**Table 1-2 ESTM\_TR\_DEST\_TABLES Details**

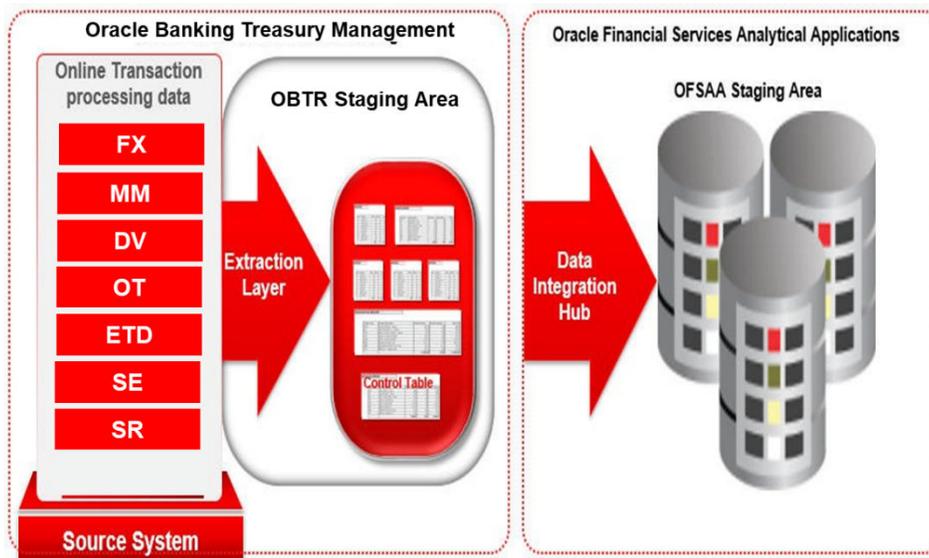
Column Name	Description
ORD_OF_EXT	Order of extraction in which routine will be executed. This should be a unique value.
TABLE_NAME	Name of the staging table to be populated with data.
ROUTINE	Routine to be executed. The format should be 'Package.procedure'
INTEGRATION_NAME	OFSAA

All the parameters such as extraction date, previous extraction date, log required and so on are maintained in maintenance table 'CSTB\_TR\_EIS\_PARAM'. In this table the KEYID is the primary key.

## 1.4 Integration Architecture

This topic describes information on the OBTR-OFSAA integration diagram.

**Figure 1-1 Integration Architecture Diagram**



## 1.5 Integration Process

This topic explains the integration process for OBTR and OFSAA integration.

OBTR has pre-defined staging tables required for OFSAA extracts. During EOFI batch, the module wise data is extracted to staging tables in OBTR. OBTR provides a control table to indicate successful data extraction. OFSAA pulls the data from the tables in OBTR using the DIH connector.

The transfer or extraction of data from OBTR to OFSAA differs based on the staging tables as follows:

- Master table - Incremental data between two extraction dates are transferred.
- Maintenance and contract tables - Entire transaction data are transferred in each extraction.
- Transaction table - Data related to the transactions created on the extraction date are transferred.

During data extraction you can check the status of the extraction routines in the table ESTB\_TR\_JOB\_CONTROL. The column STATUS shows whether the routine is in progress (W) or has failed (F) or has completed successfully (S). At the time of extraction all the routines from maintenance table ESTM\_TR\_DEST\_TABLES are inserted to ESTB\_TR\_JOB\_CONTROL for the current extraction date with initial status as W. This status will be updated accordingly when the routine is completed successfully (S) or unsuccessfully (F).

This topic has the following sub-topic:

- [Extraction Log](#)

### 1.5.1 Extraction Log

You can have the logs generated as part of EOD for each table. EOD log captures the complete extraction process. The table level extraction log contains the details of each data transfer.

Errors in the data extraction process and the failure reasons are logged in an error data store. These errors are rectified manually and the batch is run again for the failed data.

# 2

## Data Transfer from OBTR to OFSAA

For details on data transfer from OBTR to OFSAA, refer the excel sheet [OBTR\\_OFSAA\\_Data\\_Transfer\\_Details.xls](#).

This sheet has the following details:

- Source System
- Target System
- Data Transferred
- Source System Module
- OBTR Staging Table Name
- Extraction Package Name
- Target System Table Name
- Extraction Routine
- Data Included in the Extraction