Oracle® Banking Treasury Management

Oracle Banking Treasury Management-OFSAA Integration Guide

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Oracle Banking Treasury Management Oracle Banking Treasury Management- OFSAA Integration Guide, Release 14.7.0.0.0

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Contents

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

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
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	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
Oracle OBTR - OFSAA Integration	Explains the integration between Oracle Banking Treasury Management and Oracle Financial Services Analytical Applications.
Data Transfer from OBTR to OFSAA	Explains the details of data exchange.

Symbols, Definitions and Abbreviations

Table 3 Symbols

Icons	Function
	Exit
	Add row
	Delete row
	Option List

Note:

The images used in the documentation are of illustration purpose and need to be used only for reference.

Related Resources

For more information, see these Oracle resources:

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

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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	• Forex account transaction data of a customer • Foreign exchange contracts of a customer • Exchange rates between two currencies
Money Marketing	• Borrowing records of the customer • Money market transaction data

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

Module	Hand off Details
Securities	• Securities instrument contracts, securities deals, securities accounting entries • Security repo contracts and security repo accounting entries
Exchange Trade Derivatives	• Exchange Trade Derivatives (Futures)and Derivatives (FRA) transactions • Exchange Trade Derivatives (Options)and OTC (CCO and IRO) transactions
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

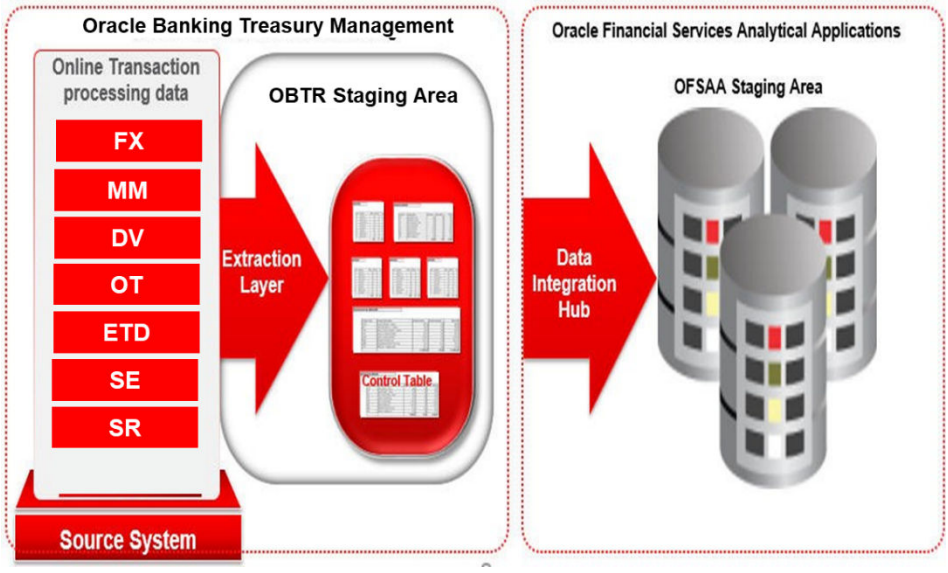
Column Name	Description
ORD_OF_EXT	Order of extraction in which routine will be executed. This should be a unique value.
TABLE_NAME	Name of the staging table to be populated with data.
ROUTINE	Routine to be executed. The format should be 'Package.procedure'
INTEGRATION_NAME	OFSAA

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.

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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