

Oracle® Banking Treasury Management

Oracle Banking Treasury Management- OFSA Integration Guide



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Preface

This topic contains the following sub-topics:

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Purpose

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

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.

Documentation Accessibility

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Access to Oracle Support

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Critical Patches

Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at [Critical Patches, Security Alerts and Bulletins](#). All critical patches should be applied in a timely manner to make sure effective security, as strongly recommended by [Oracle Software Security Assurance](#).

Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

Related Resources

For more information, see these Oracle resources:

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

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.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
<code>monospace</code>	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Screenshot Disclaimer

Personal information used in the interface or documents is dummy and does not exist in the real world. It is only for reference purposes.

Acronyms and Abbreviations

The acronyms and abbreviations are listed in this below table:

Table 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

Table (Cont.) Acronyms and Abbreviations

Acronyms or Abbreviations	Description
OBTR	Oracle Banking Treasury Management
System	Unless and otherwise specified, it always refers to Oracle Banking Treasury Management

Basic Actions

Table List of Basic Actions

Action	Description
Approve	Click Approve to approve the initiated report. This button is displayed, once the user click Authorize .
Audit	Click Audit to view the maker details, checker details of the particular record, and record status. This button is displayed only for the records that are already created.
Authorize	Click Authorize to authorize the record created. A maker of the screen is not allowed to authorize the report. Only a checker can authorize a record. This button is displayed only for the already created records.
Close	Click Close to close a record. This action is available only when a record is created.
Confirm	Click Confirm to confirm the performed action.
Cancel	Click Cancel to cancel the performed action.
Compare	Click Compare to view the comparison through the field values of old record and the current record. This button is displayed in the widget, once the user click Authorize .
Collapse All	Click Collapse All to hide the details in the sections. This button is displayed, once the user click Compare .
Expand All	Click Expand All to expand and view all the details in the sections. This button is displayed, once the user click Compare .
New	Click New to add a new record. The system displays a new record to specify the required data. Note: The fields which are marked in asterisk red are mandatory fields.
OK	Click OK to confirm the details in the screen.
Save	Click Save to save the details entered or selected in the screen.
View	Click View to view the report details in a particular modification stage. This button is displayed in the widget, once the user click Authorize .
View Difference only	Click View Difference only to view a comparison through the field element values of old record and the current record, which has undergone changes. This button is displayed, once the user click Compare .

Symbols and Icons

The list of symbols and icons available on the screens are as follows:

Table Symbols and Icons - Common

Symbol/Icon	Function
	Minimize
	Maximize
	Close
	Perform Search
	Open a list
	Navigate to the first record
	Navigate to the last record
	Navigate to the previous record
	Navigate to the next record
	Grid view
	List view
	Refresh
	Click this icon to add a new row.
	Click this icon to delete a row, which is already added.
	Calendar
	Alerts
	Unlock Option
	View Option
	New

Table (Cont.) Symbols and Icons - Common

Symbol/Icon	Function
	Enter query
	Execute query
	Copy
	Delete
	Save
	Search
	Advanced search
	Clear all
	Reset
	Export
	Print
	View Details
	Sorting

Table Symbols and Icons - Widget

Symbol/Icon	Function
	Open status
	Unauthorized status
	Rejected status
	Closed status

Table (Cont.) Symbols and Icons - Widget

Symbol/Icon	Function
	Authorized status
	Modification Number
	Hold
	Reverse

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	• 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

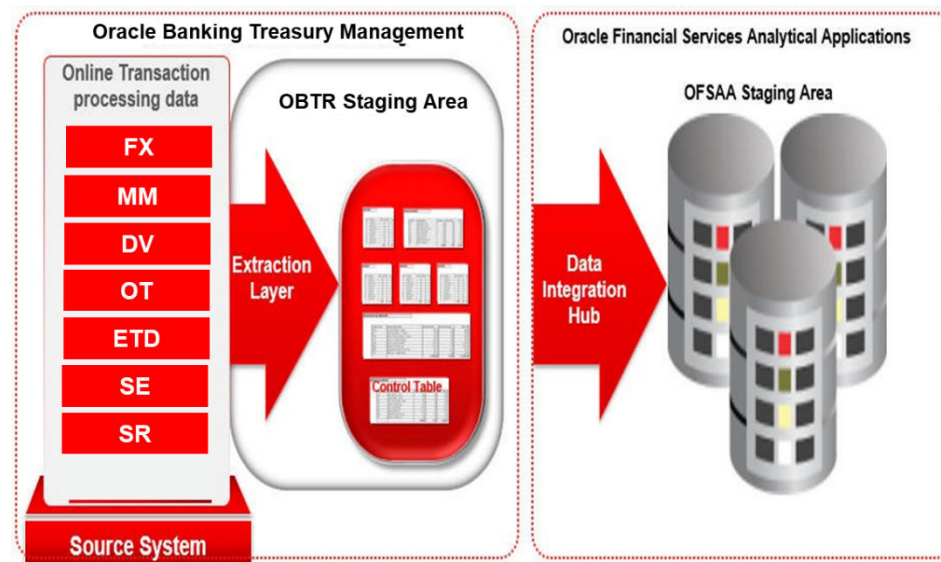
Column Name	Description
ORD_OF_EXT	Order of extraction in which routine will be executed. This should be a unique value.
TABLE_NAME	Name of the staging table to be populated with data.
ROUTINE	Routine to be executed. The format should be 'Package.procedure'
INTEGRATION_NAME	OFSAA

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