

Oracle® Banking Treasury Management

Oracle Banking Treasury Management- Oracle Banking Payments Integration Guide



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Preface

This manual is designed to help you to quickly get acquainted with the Integration for a Co-deployed Setup of Oracle Banking Treasury Management with Oracle Banking Payments.

- [Audience](#)
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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

Abbreviations or Acronyms	Definition
AEOD	Automated End of Day
DV	Derivatives
Dr	Debit
EOFI	End of Financial Input
EOD	End of Day
FX	Foreign Exchange
GL	General Ledger
LCY	Local Currency
MM	Money Market
OBTR	Oracle Banking Treasury Management
OT	Over the Counter Options
OBPM	Oracle Banking Payments Management
WSDL	Web Services Description Language

Conventions

The following text conventions are used in this document:

Table 2 Conventions and Meaning

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.





List of Topics

This guide is organized as follows:

Topics	Description
Treasury - Payments Integration	Explains how to codeploy the Oracle Banking Treasury Management & Oracle Banking Payments product in a single instance.

Symbols and Icons

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.

1

Treasury - Payments Integration

You can integrate Oracle Banking Treasury Management product (OBTR) with Oracle Banking Payments product (OBPM).

To integrate these two products on the co-deployed environment, you need to do specific maintenance in OBTR, OBPM, and Common Core.

This topic has the following sub-topics:

- [Maintenance Required in OBTR](#)
This section describes the specific maintenance, needed in Oracle Banking Treasury Management (OBTR) to integrate the same with Oracle Banking Payments (OBPM).
- [Maintenance Required in OBPM](#)
This section describes the specific maintenance needed in Oracle Banking Payments (OBPM) to integrate the same with Oracle Banking Treasury Management (OBTR).
- [Common Core Maintenance](#)
This topic describes the required common core maintenance.

1.1 Maintenance Required in OBTR

This section describes the specific maintenance, needed in Oracle Banking Treasury Management (OBTR) to integrate the same with Oracle Banking Payments (OBPM).

This topic has the following sub-topics:

- [Treasury External System Maintenance](#)
The systematic instruction to maintain the active record in Treasury External System Maintenance screen is described in this topic.
- [External System Functions Maintenance](#)
The systematic instructions to perform the External System Functions Maintenance.
- [Upload Source Preference Maintenance](#)
The systematic instructions to perform the Upload Source Preference Maintenance is discussed in this topic.
- [BIC Maintenance](#)
This topic describes BIC maintenance in OBTR.
- [Other Common Maintenance](#)
This topic describes the other common maintenance.
- [Treasury External Payment System Payment Queue Summary](#)
This topic describes the systematic instructions to view the payment request send to OBPM.

1.1.1 Treasury External System Maintenance

The systematic instruction to maintain the active record in Treasury External System Maintenance screen is described in this topic.

The Treasury External System Maintenance screen with field external system type as “Payments” for different service codes with all required fields to maintain the active record.

For outgoing payments, maintain the service code as “GenPayMessage” with Single Payment Service details as below:

- Service Name - PMSinglePayOutService
- Operation Code - CreateSinglePayment
- Rest/Web Service User Option - Choose the preferred option
- Rest/Web Service User - Provide the User to be used in Rest request
- Rest/Web Service URL Service - Provide the Rest API URL of Single Payment Service

For Receive Notice, maintain the service code as “GenRecvNotice” with Inbound Cross Border Payments service details as below:

- Service Name - PMXborderInService
- Operation Code - CreateXborderIn
- Rest/Web Service User Option - Choose the preferred option
- Rest/Web Service User - Provide the User to be used in Rest request
- Rest/Web Service URL Service - Provide the Rest API URL of Inbound Cross Border Payments Service

For Incoming Cross border payments reversal, maintain the service code as “GenInTxnRev” with Cross Border Incoming Transaction Reversal Service details as below:

- Service Name - PMInTxnReversalService
- Operation Code - CreatePMInTxnReversal
- Rest/Web Service User Option - Choose the preferred option
- Rest/Web Service User - Provide the User to be used in Rest request
- Rest/Web Service URL Service - Provide the Rest API URL of Cross Border Incoming Transaction Reversal Service

For Outgoing Cross border payments reversal, maintain the service code as “GenOutTxnRev” with Cross Border Outgoing Transaction Reversal Service details as below:

- Service Name - PMOutTxnReversalService
- Operation Code - CreatePMOutTxnReversal
- Rest/Web Service User Option - Choose the preferred option
- Rest/Web Service User - Provide the User to be used in Rest request
- Rest/Web Service URL Service - Provide the Rest API URL of Cross Border Outgoing Transaction Reversal Service

1. On the Home page, enter **IFDTREPM** in the text field and then click the next arrow.
The **Treasury External System Maintenance** screen.

Figure 1-1 Treasury External System Maintenance

Treasury External System Maintenance

New Copy Close Unlock Enter Query

External System * OBPM
Description External Payment System

External System Type * Payments

Read Time Out (In Seconds) 70
Connection Time Out (In Seconds) 50
Archival Days 3
Connection Timeout Retry Count 5
Read Timeout Retry Count 5

Inter System Bridge GL * 261100005
Source System * OBTR
Entity ID * ENTITY_ID1

Service Code	Service Name	Operation Code	Rest/Web Service User Option	Rest/Web Service User	
<input checked="" type="checkbox"/> GenInTxnRev	PMInTxnReversalService	CreatePMInTxnReversal	Predefined User	PERURAJ	http://whf00
<input type="checkbox"/> GenOutTxnRev	PMOutTxnReversalService	CreatePMOutTxnReversal	Predefined User	PERURAJ	http://whf00
<input type="checkbox"/> GenPayMessage	PMSinglePaymentService	CreateSinglePayment	Predefined User	PERURAJ	http://whf00
<input type="checkbox"/> GenRecvNotice	PMSinglePaymentService	CreateSinglePayment	Predefined User	PERURAJ	http://whf00

1 Of 1 Go

Maker ROHINI01 Date Time: 2020-03-16 03:22:36 Mod No 5 Record Status Open
Checker ROHINI01 Date Time: 2020-03-16 03:22:36 Authorization Authorized Status

Exit

2. On the **Treasury External System Maintenance** screen, specify the fields.

Below are the scheduler jobs configured for the Integration. Make sure that these jobs are running.

- TREPSGENPAYMENT - Scheduler job for processing the Payment request
- TREPS_NOTIFICATION - Scheduler job for processing OBPM notifications

1.1.2 External System Functions Maintenance

The systematic instructions to perform the External System Functions Maintenance.

For the below Source codes with the service name **OBTREPSService** and the operation code **CreateTREPSNotif**, maintain the External System Functions to receive the notifications from OBPM.

For all OBTR modules when outgoing payment or receive notice is initiated, the source code is "OBTR<Module-ID>". For example, the source code for the FX module is "OBTRFX."

1. On the Home page, enter **GWDEFUN** in the text field and then click the next arrow.
The **External System Functions** screen is displayed.

Figure 1-2 External System Functions

External System Functions

New Enter Query

External System *
Function *
Action *
Service Name
Operation Code

Description
Bulk SMS Check

Fields

Maker
Checker

Date Time:
Date Time:

Mod No

Record Status
Authorization Status

Exit

2. On the **External System Functions** screen, specify the fields.

1.1.3 Upload Source Preference Maintenance

The systematic instructions to perform the Upload Source Preference Maintenance is discussed in this topic.

In the **Upload Source Preference Maintenance** screen, Post Upload Status field value must be selected as "Authorized".

1. On the Home page, enter **CODUPLDM** in the text field and then click the next arrow.

The **Upload Source Preference Maintenance** screen is displayed.

Figure 1-3 Upload Source Preference Maintenance

Upload Source Maintenance

New Enter Query

Source Code *

Description
Base Data From FLEXCUBE
System Authorization Required
REST JWT Authorization Required

Fields

Maker
Checker

Date Time:
Date Time:

Mod No

Record Status
Authorization Status

Exit

2. On the **Upload Source Preference Maintenance** screen, specify the fields.

Make sure that the TRGenPayMessage.ADF file is executed in the database schema. This file contains the JSON template for the OBPM Single Payment Service.

1.1.4 BIC Maintenance

This topic describes BIC maintenance in OBTR.

Upload BIC directory & ensure that the same are listed at ISDBICDE, which OBTR will use, to transact payments.

1.1.5 Other Common Maintenance

This topic describes the other common maintenance.

Refer to Core Services User Manual, for the other Day 0 maintenance to be done for OBTR.

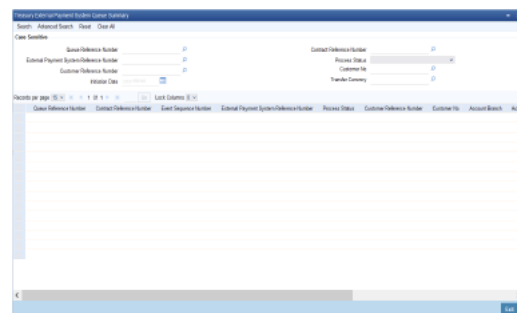
1.1.6 Treasury External Payment System Payment Queue Summary

This topic describes the systematic instructions to view the payment request send to OBPM.

On the home page, enter **IFSTRPQU** to invoke the **Treasury External Payment System Queue Summary** Screen (IFSTRPQ) screen.

This screen is used to view the payment request send to OBPM.

Figure 1-4 Treasury External Payment System Queue Summary



1.2 Maintenance Required in OBPM

This section describes the specific maintenance needed in Oracle Banking Payments (OBPM) to integrate the same with Oracle Banking Treasury Management (OBTR).

This topic has the following sub-topics:

- [Source Maintenance](#)
The systematic instructions to perform the External System Functions Maintenance.
- [Source Network Preference Maintenance](#)
The systematic instructions to perform the Source Network Preference Maintenance.
- [Network Rule maintenance](#)
The systematic instructions to perform the External System Functions Maintenance.
- [Notification maintenance](#)
The systematic instructions to perform the Notification Maintenance.

1.2.1 Source Maintenance

The systematic instructions to perform the External System Functions Maintenance.

Maintain the Source code with which OBTR hand off payment requests at Source Maintenance Detailed screen.

1. On the Home page, enter **PMDSORCE** in the text field and then click the next arrow.
The **Source Maintenance Detailed** screen is displayed.

Figure 1-5 Source Maintenance Detailed

2. On the **Source Maintenance Detailed** screen, specify the fields.

Following are the source codes OBTR uses to initiate payment request:

- For all OBTR modules where outgoing payment or receive notice is initiated, the source code is OBTR<Module-ID>. For example, the source code for the FX module is OBTRFX.
- Each record maintained in Source Maintenance Detailed screen (PMDSORCE) must have the below preferences:
- Pre-funded Payments GL or Intermediary Credit GL should match Inter System Bridge GL maintained in Treasury External System Maintenance screen (IFDTREPM) of OBTR.



Note:

This Inter System Bridge GL must be available for both OBTR and OBPM.

1.2.2 Source Network Preference Maintenance

The systematic instructions to perform the Source Network Preference Maintenance.

The OBTR Source-specific preferences for each network are maintained at **Source Network Preference Maintenance** screen.

1. On the Home page, enter **PMDSORNW** in the text field and then click the next arrow.

The **Source Network Preference Maintenance** screen is displayed.

Figure 1-6 Source Network Preference Maintenance

Source Network Preferences Detailed

New Enter Query

Host Code *
Source Code *
Network Code *
Transaction Type * Incoming

Description
Network Description
Network Type Description

Preferences

☐ Authorization Rekey Required

Sanctions System

☐ Sanction Check Required

Pricing

☐ External Pricing Applicable

Accounting Preference

Debit Entry on On Activation Date

Same Day Transaction Rollover Preference

☐ Amount Block on Booking Date

Authorization Rekey Fields

1 Of 1 Go

Rekey Field Name	Description

Authorization Limit

MIS Group
UDF Group

Authorization Limit Currency
Authorization 1 Limit
Authorization 2 Limit
Network Release Limit

Future Valued Transaction Preferences

Credit Entry on On Activation Date

Validation on Booking Date Required

Maker Date Time Mod No Record Status
Checker Date Time Authorization Status

Exit

2. On the **Source Network Preference Maintenance** screen, specify the fields.

The preference for various payment networks through which OBTR initiate a payment request needs to be maintained on this screen for the same Source codes as in the previous section.

1.2.3 Network Rule maintenance

The systematic instructions to perform the External System Functions Maintenance.

OBPM must maintain appropriate Network Rule maintenance to route the OBTR request to the respective network

Based on the Payment type, OBTR system send one of the below values in Service Level Proprietary field to build the network rules.

- LCL - Local clearing payments
- SWIFT - SWIFT Payment messages

1. On the Home page, enter **PMDNWRLE** in the text field and then click the next arrow.
The **Network Rule Maintenance** screen is displayed.

Figure 1-7 Network Rule Maintenance

2. On the **Network Rule Maintenance** screen, specify the fields.

1.2.4 Notification maintenance

The systematic instructions to perform the Notification Maintenance.

Maintain the OBTR Source specific notification preferences for each network at **External Notification Queue Detailed** screen.

The notification is a call from OBPM to the OBTR Webservice – OBTREPSService that needs to be deployed. The gateway external system setup is required to be done for source code mentioned in the below image.

Note:

It is important to give the Notification System class as OBTR and communication mode as Web Service.

1. On the Home page, enter **PMDEXTNT** in the text field and then click the next arrow.

The **External Notification Queue Detailed** screen is displayed.

Figure 1-8 External Notification Queue Detailed

External Notification Queue Detailed

New Enter Query

Host Code *
Source Code *
Notification System Class

Communication Type JMS Queue
Timeout in Seconds

JMS Preferences
Outqueue JNDI Name
Queue Profile

WebService Preferences
WebService URL
Service

ReST Preferences
ReST URL

Maker
Checker

Date Time:
Date Time:

Mod No

Record Status
Authorization Status

Exit

2. On the **External Notification Queue Detailed** screen, specify the fields.

1.3 Common Core Maintenance

This topic describes the required common core maintenance.

The following common core maintenance need to perform for Integration.

- Customer Maintenance - Create the customers in STDCIFCR.
- Account Maintenance - Create Accounts (CASA / NOSTRO) in STDCRACC
- General Ledger - Maintenance Create a General Ledger in STDCRGLM.
- Transaction code - Maintenance Create the Transaction code in STDCRTRN.
- OBPM to use OFCUB Dates Maintain IS_CUSTOM_DATE parameter as 'Y' in cstb_param table. By this, OBPM will use Today from sttm_dates as the transaction booking date.
- Other Payments Maintenance, Refer to Oracle Banking Payments Core User Manual, for the other Day 0 maintenance.

For detailed information on above mentioned screens, refer to Oracle Banking Payments Core User Manual.

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