

OBTR - OBPM Co-deployed Setup User Guide

Oracle Banking Treasury Management

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OBTR-OBPM Co-deployed Setup User Guide
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1. Preface

1.1 Introduction

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

1.2 Audience

This manual is intended for the following User/User Roles:

Role	Function
Implementation & IT Staff	Implementation & Maintenance of the Software

1.3 Documentation Accessibility

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>.

1.4 Organization

This manual is organized into the following chapters:

Chapter	Description
Chapter 1	Preface gives information on the intended audience, chapters covered in this User Manual.
Chapter 2	Treasury - Payments Integration in Co-Deployed Setup helps you co-deploy the Oracle Banking Treasury Management & Oracle Banking Payments product in a single instance.

1.5 Glossary

This User Manual may refer to all or some of the following terms:

Abbreviations	Description
FCUBS	Oracle FLEXCUBE Universal Banking
FATCA	Foreign Account Tax Compliance Act
OBTR	Oracle Banking Treasury Management
OBPM	Oracle Banking Payments Management
WSDL	Web Services Description Language

2. Treasury - Payments Integration

This chapter contains the following sections:

- [Introduction](#)
- [Maintenances to be done in OBTR](#)
- [Maintenances to done in OBPM](#)
- [Common Core Maintenance](#)

2.1 Introduction

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 maintenances in OBTR, OBPM, and Common Core.

2.2 Maintenances to be done in OBTR

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

2.2.1 Treasury External System Maintenance

Maintain the active record in Treasury External System Maintenance screen (IFDTREPM) with field external system type as “Payments” for different service codes with all required fields in the detailed section of this screen.

- 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

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

Inter System Bridge GL * 261100005

Source System * OBTR

Entity ID * ENTITY_ID1

Connection Timeout Retry Count 5

Read Timeout Retry Count 5

1 Of 1

Service Code	Service Name	Operation Code	Rest/Web Service User Option	Rest/Web Service User	
☒ GenInTxnRev	PMInTxnReversalService	CreatePMInTxnReversal	Predefined User	PERURAJ	http://whf00
☐ GenOutTxnRev	PMOutTxnReversalService	CreatePMOutTxnReversal	Predefined User	PERURAJ	http://whf00
☐ GenPayMessage	PMSinglePaymentService	CreateSinglePayment	Predefined User	PERURAJ	http://whf00
☐ GenRecvNotice	PMSinglePaymentService	CreateSinglePayment	Predefined User	PERURAJ	http://whf00

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

2.2.2 External System Functions Maintenance

1. Maintain the External System Functions (**GWDEFUN**) for the below Source codes for the service name **OBTRPSService** with operation code **CreateTREPSNotif** to receive the notifications from OBPM.
 - a. 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."

External System Functions

New Copy Close Print Enter Query

External System * OBTRFX
Function * IFGTRPNO
Action * NEW
Service Name OBTRPSService
Operation Code CreateTREPSNotif

Description OBTRFX
Bulk SMS Check

Fields

Maker PERURAJ	Date Time: 2019-11-22 16:53:34	Mod No 1	Record Status Open
Checker PERUMAL	Date Time: 2019-11-22 16:54:21	Authorization Authorized	Status

Exit

2.2.3 Upload Source Preference Maintenance

In Upload Source Preference Maintenance screen (CODUPLDM), Post Upload Status field value should be selected as "Authorized".

Upload Source Preferences Maintenance

New Copy Close Unlock Print Enter Query

Source Code * OBTRFX
Module Code * IF

Error Handling

On Error * Reject
On Override * Ignore
On Repairable Exception Reject
On Queue Exception Reject

Post Upload

Status * Authorized
Purge Days
Allow Deferred Processing
Allow EOD with Deferred
Deletion Allowed

Function Id Preferences

Maker PERURAJ	Date Time: 2019-11-22 16:59:45	Mod No 1	Record Status Open
Checker PERURAJ	Date Time: 2019-11-22 16:59:45	Authorization Authorized	Status

Exit

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

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

- TRGenPayMessage.ADF

2.2.4 BIC Maintenance

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

2.2.5 Other Common Maintenances

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

2.3 Maintenances to done in OBPM

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

2.3.1 Source Maintenance

Maintain the Source code with which OBTR will hand off payment requests at PMDSORCE-Source maintenance screen.

The screenshot displays the 'Source Maintenance Detailed' window. At the top, there is a menu bar with options: New, Copy, Close, Unlock, Print, and Enter Query. The main form area contains several sections:

- Source Code * OBTRFX**: A text field with a red asterisk.
- Host Code * HOST1**: A text field with a red asterisk.
- Description OBTRFX**: A text field.
- Source Type**: A dropdown menu currently showing 'Upload'.
- MIS Group** and **UDF Group**: Text fields.
- Prefunded Payments**: A section with a checked box for 'Prefunded Payments Allowed' and a text field for 'Prefunded Payments GL' containing '261100005'.
- Duplicate Check Fields**: A section with a text field for 'Duplicate Check Period in Days' containing '0'.
- Accounting & Message Preference**: A section with a 'Preferred Reference' dropdown set to 'Source Reference'.
- Other Preferences**: A section with several checkboxes: 'SSI Handling' (set to 'Not Required'), 'Notification Required' (checked), 'Validate Debit Authority' (unchecked), 'Incoming SWIFT' (unchecked), and 'Allow Back Value Dated Book Transfer' (unchecked). There is also a text field for 'Intermediary Credit GL' containing '261100005' and a checkbox for 'Inbound credit to GL' which is checked, with a 'PSD Applicable' checkbox below it.
- Auto Queue Preferences**: A section with a 'System Action' dropdown set to 'Auto roll-over'.

At the bottom of the window, there is a status bar with the following information:

- Duplicate Check Fields**: A section header.
- Maker ADMINUSER1** and **Checker ADMINUSER2**: User names.
- Date Time: 2020-03-26 16:36:36** and **Date Time: 2020-03-26 17:23:24**: Timestamps.
- Mod No 1**: Modification number.
- Record Status Open** and **Authorization Authorized Status**: Status indicators.
- Exit**: A button.

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**) should 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 should be available for both OBTR & OBPM.

2.3.2 Source Network Preference Maintenance

Maintain the OBTR Source-specific preferences for each network at **PMDSORNW** screen.

Source Network Preferences Detailed

New Copy Close Unlock Print Enter Query

Host Code * HOST1

Source Code * OBTRFX

Network Code * SWIFT

Transaction Type * Outgoing

Description OBTRFX

Network Description SWIFT

Payment Type Cross Border

Preferences

☐ Authorization Rekey Required

MIS Group

UDF Group

Sanctions System

☐ Sanction Check Required

Pricing

☐ External Pricing Applicable

Authorization Limit

Authorization Limit Currency

Authorization 1 Limit

Authorization 2 Limit

Network Release Limit

Maker ADMINUSER2 Date Time: 2020-03-26 17:31:18 Mod No 1 Record Status Open

Checker ADMINUSER2 Date Time: 2020-03-26 17:31:18 Authorization Authorized Status

Exit

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

2.3.3 Network Rule maintenance

OBPM should maintain appropriate Network Rule maintenance (PMDNWRLE) to route the OBTR request to the respective network.

Based on the Payment type, OBTR system will send one of the values (LCL or SWIFT) in Service Level Proprietary field, which further is used to build the network rules,

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

Network Rule Detailed

New Copy Close Unlock Print Enter Query

Host Code * LIEGE Channel Type * Single Payment

Rule Name *	Rule Expression	Network Code *
☒ ACH	ValueOf { 'SERVICE_LEVEL' } EQUAL 'LCL'	ACH
☐ BOOK	ValueOf { 'SERVICE_LEVEL' } EQUAL 'BOOK'	BOOK
☐ RTGS	ValueOf { 'SERVICE_LEVEL' } EQUAL 'RTGS'	RTGS
☐ SWIFT	ValueOf { 'SERVICE_LEVEL' } EQUAL 'SWIFT'	SWIFT
☐ STEP2	ValueOf { 'SERVICE_LEVEL' } EQUAL 'SEPA'	STEP2

Expression Details

ion	Scope	LOP Operand	Operator	ROP Type	ROP Data Type	ROP Operand
		SERVICE_LEVEL	Equal To	Constant	String	LCL

Maker DEEPIKA19 Date Time: 2014-01-01 00:50:09 Mod No 3 Record Status Open
 Checker DEEPIKA19 Date Time: 2014-01-01 00:50:09 Authorization Authorized Status

Exit

2.3.4 Notification maintenance

Maintain the OBTR Source specific notification preferences for each network at PMDEXTNT screen.

External Notification Queue Detailed

New Copy Close Unlock Print Enter Query

Host Code * HOST1 Communication Type Web Service
 Source Code * OBTRFX Timeout in Seconds
 Notification System Class OBTR

JMS Preferences
 Outqueue JNDI Name Q Profile

WebService Preferences
 WebService URL 14/OBTREPSService/O Service OBTREPSService

ReST Preferences
 ReST URL

Maker ADMINUSER2 Date Time: 2020-03-26 17:35:10 Mod No 2 Record Status Open
 Checker ADMINUSER2 Date Time: 2020-03-26 17:35:10 Authorization Authorized Status

Exit

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

2.4 Common Core Maintenance

The following common core maintenances 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 Maintenances

Refer Oracle Banking Payments Core User Manual, for the other Day 0 maintenances.

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