

Services Installation Guide
Oracle Banking Electronic Data Exchange for Corporates
Release 14.5.0.0.0

Part No. F46661-01

September 2021

ORACLE®

Services Installation Guide

September 2021

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1. Preface

1.1 Introduction

This guide would help you to install the CM services on designated environment. It is assumed that all the prior setup is already done related with WebLogic 12c installation, WebLogic managed server creation and Oracle DB installation.

It is recommended to use dedicated managed server for each of the CM services.

1.2 Audience

This document is intended for WebLogic admin or ops-web team who are responsible for installing the OFSS banking products.

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>.

2. Domain and Cluster Configuration

2.1 Plato Infrastructure Domain Configuration

2.1.1 Prerequisites

- Machine should have Java JDK1.8.0_281 has installed.
- Plato, common core, sms services are up and running.

2.1.2 Domain Creation and Configuration

It is recommended to have different managed server in one domain for each application. For Creating Domain and Configuration please refer to ANNEXURE-1 "**How to create and Cluster Configuration**".

3. Database Setup for OBEDXC

3.1 Introduction

In this section you are going to setup database related configuration for OBEDXC Installation.

Before you proceed with the document, ensure Schema's are being created. It is recommended to have different schema for each application.

3.2 Database Schema Creation

For help in creating database schemas, refer to **ANNEXURE-1** section **Database Schema Creation**.

Create the following database schemas:

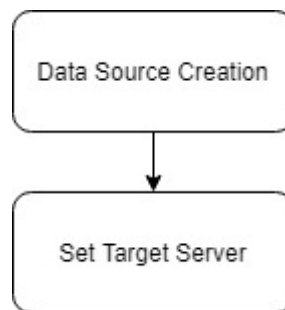
**Schema Names mentioned below are recommended, but not mandatory.

Database Schema Names
OBEDX_APP

4. Data Sources Creation in WebLogic

4.1 Prerequisite

Database and application setup for OBEDXC services has to be performed prior to deployment setup. The data sources for the respective micro-services must be created first before the application deployment. Each of the data source target to their corresponding servers on which the application will be deployed. The following sections explain the list of data sources required to be created for OBEDXC services and the steps to configure them in the server.



4.2 Data sources List

For creating data source in please refer ANNEXURE-1 “**How to create Data sources section**”.

The table below lists the data sources to be created on each managed server prior to deployment of applications onto managed servers.

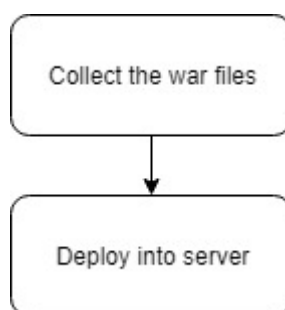
Database Connection Pool size to be defined - OBEDXC services pool configuration should be consistent with plato services.

Data Source Name	Data source JNDI	Targets
OBEDXC	jdbc/OBEDX	OBEDXC Managed Server

5. Deployments

5.1 Pre-requisite

The database setup and data sources creation have to be performed prior to the application deployment stage. Each of the services corresponds to a specific war file that needs to be deployed into the server. The following sections explain the list of war files of the OBEDXC service and the steps to deploy them into the server.



Copy below files from the OSDC path to <WEBLOGIC_DOMAIN_CONFIG_AREA>/bin folder.

1. PRE_DEPLOYMENT_SETUP/weblogic/plato-config-deploy.env

This file applicable only for plato-config-service. Edit this file and provide appropriate values.

2. PRE_DEPLOYMENT_SETUP/weblogic/domain-config-deploy.env

This file is applicable for rest of the PLATO services. Edit this file and provide appropriate values

3. PRE_DEPLOYMENT_SETUP/weblogic/setUserOverrides.sh

For providing property values, refer “Annexure” section of “Oracle Banking Electronic Data Exchange for Corporates Pre-Installation Guide”.

5.2 Deployments List

Below table give details of the deployments required on each Server for the Plato application to run. Deploy one after other in the same given order.

Note: INFRA Pre-requisites should be available before proceeding with the Application deployment process.

Application Startup and Deployment Sequence for new installation or Upgrades.

- PLATO Domain < All Plato Infrastructure Services & Plato Services should be deployed as per respective installation document>
- Common Core <All SMS, Common Core and Mid-Office Common Core services should be deployed as per respective installation document>
- Domain services
- All OBEDXC services should be deployed as per the order mentioned in the table below.
- Below is the recommended list of managed server names and the application distribution on the targets. But not mandatory, provided the managed server is configured as per the sizing recommendations during the implementation phase.

Application	Archive name	OSDC path	Targets
obedx-base-service	obedx-base-service-7.2.0.war	OBEDX_14.5.0.0.0\OBEDX_SERVICES\obedx-base-service-7.2.0	OBEDXC Managed Server
obedx-filepolling-scheduler	obedx-filepolling-scheduler-7.2.0.war	OBEDX_14.5.0.0.0\OBEDX_SERVICES\obedx-filepolling-scheduler-7.2.0	OBEDXC Managed Server
obedx-transaction-service	obedx-transaction-service-7.2.0.war	OBEDX_14.5.0.0.0\OBEDX_SERVICES\obedx-transaction-service-7.2.0	OBEDXC Managed Server
obedx-format-service	obedx-format-service-7.2.0.war	OBEDX_14.5.0.0.0\OBEDX_SERVICES\obedx-format-service-7.2.0	OBEDXC Managed Server
obedx-filename-service	obedx-filename-service-7.2.0.war	OBEDX_14.5.0.0.0\OBEDX_SERVICES\obedx-filename-service-7.2.0	OBEDXC Managed Server
obedx-channel-service	obedx-channel-service-7.2.0.war	OBEDX_14.5.0.0.0\OBEDX_SERVICES\obedx-channel-service-7.2.0	OBEDXC Managed Server
obedx-corporate-service	obedx-corporate-service-7.2.0.war	OBEDXC_OSDC_14.5.0.0.0\OBEDX_SERVICES\obedx-corporate-service-7.2.0	OBEDXC Managed Server
obedx-dedupe-rules-service	obedx-dedupe-rules-service-7.2.0.war	OBEDX_14.5.0.0.0\OBEDX_SERVICES\obedx-dedupe-rules-service-7.2.0	OBEDXC Managed Server
obedx-corelation-rules-service	obedx-corelation-rules-service-7.2.0.war	OBEDX_14.5.0.0.0\OBEDX_SERVICES\obedx-corelation-rules-service-7.2.0	OBEDXC Managed Server

obedx-approval-router-service	obedx-approval-router-service-7.2.0.war	OBEDX_14.5.0.0.0\OBEDX_SERVICES\obedx-approval-router-service-7.2.0	OBEDXC Managed Server
obedx-workflow-service	obedx-workflow-service-7.2.0.war	OBEDX_14.5.0.0.0\OBEDX_SERVICES\obedx-workflow-service-7.2.0	OBEDXC Managed Server
obedx-parser-service	obedx-parser-service-7.2.0.war	OBEDX_14.5.0.0.0\OBEDX_SERVICES\obedx-parser-service-7.2.0	OBEDXC Managed Server
obedx-dbmodel-service	obedx-dbmodel-service-7.2.0.war	OBEDX_14.5.0.0.0\OBEDX_SERVICES\obedx-dbmodel-service-7.2.0	OBEDXC Managed Server
obedx-inquiry-service	obedx-inquiry-service-7.2.0.war	OBEDX_14.5.0.0.0\OBEDX_SERVICES\obedx-inquiry-service-7.2.0	OBEDXC Managed Server
obedx-canonical-service-router	obedx-canonical-service-router-7.2.0.war	OBEDX_14.5.0.0.0\OBEDX_SERVICES\obedx-canonical-service-router-7.2.0	OBEDXC Managed Server
obedx-approval-service	obedx-approval-service-7.2.0.war	OBEDX_14.5.0.0.0\OBEDX_SERVICES\obedx-approval-service-7.2.0	OBEDXC Managed Server
obedx-action-delegator-service	obedx-action-delegator-service-7.2.0.war	OBEDX_14.5.0.0.0\OBEDX_SERVICES\obedx-action-delegator-service-7.2.0	OBEDXC Managed Server

5.3 Steps to Deploy as Application

To deploy application please refer ANNEXURE-1. “How to deploy section”.

6. Restarts and Refresh

Once everything is deployed, the managed servers. And for each application call path “/refresh” for refreshing the configuration properties.

6.1 Restarting Servers

To restart the server please refer to ANNEXURE-1.”How to restart” section.

6.2 Restart Order

- Sequence in case of any configuration changes in the plato schema's -> properties table or server arguments (eg : port or host)
 - Restart the plato-config-service and plato-discovery-service.
 - Restart the impacted service
- Sequence in case of any configuration changes in the plato-ui-config schema (eg : port or host)
 - Restart plato-ui-config-service

7. Logging Area

7.1 Introduction

This part of the document will talk about the logs area where after deployment of Plato Applications in WebLogic server.

7.2 Logging Area

Plato Application writes logs in the below area of the server-

<WEBLOGIC_DOMAIN_CONFIG_AREA>/ logs/plato-api-gateway.log

Let's assume a domain has been created **obedxc_domain** in the following area of the server "/scratch/oracle/middleware/user_projects/domains/obedxc_domain". Logging area for Plato would be **/scratch/oracle/middleware/user_projects/domains/obedxc_domain/logs**.

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