

Oracle® Banking Electronic Data Exchange for Corporates Services Installation Guide



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Preface

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Purpose

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 14c installation, WebLogic managed server creation and Oracle DB installation.

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

Audience

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

Acronyms and Abbreviations

The list of acronyms and abbreviations that are used in this guide are as follows:

| Abbreviation | Description |
|--------------|--|
| OBEDX | Oracle Banking Electronic Data Exchange for Corporates |

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1

Domain and Cluster Configuration

- [Plato Infrastructure Domain Configuration](#)

1.1 Plato Infrastructure Domain Configuration

- [Prerequisites](#)
- [Domain Creation and Configuration](#)

1.1.1 Prerequisites

- Machine should have JDK has installed.
- Plato, common core, sms services are up and running.

1.1.2 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 Configuration and Deployment Guide “**How to create and Cluster Configuration**”.

2

Database Setup for Oracle Banking Electronic Data Exchange for Corporates

- [Introduction](#)
- [Database Schema Creation](#)

2.1 Introduction

In this section you are going to setup database related configuration for Oracle Banking Electronic Data Exchange for Corporates Installation.

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

2.2 Database Schema Creation

For help in creating database schemas, refer to **Configuration and Deployment** section **Database Schema Creation**.

Create the following database schemas:

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

Database Schema Names

PLATO

PLATO_UI_CONFIG

PLATO_SECURITY

PLATO_FEED

PLATO_BATCH

COMMON_CORE

PLATOALERTS

PLATOORCH

OBEDX_APP

SMS

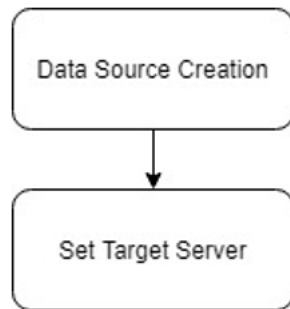
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Data Sources Creation in WebLogic

- [Prerequisites](#)
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3.1 Prerequisites

Database and application setup for Oracle Banking Electronic Data Exchange for Corporates 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 Oracle Banking Electronic Data Exchange for Corporates services and the steps to configure them in the server.



3.2 Data Sources List

For creating data source in please refer **Configuration and Deployment Guide- “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 - Oracle Banking Electronic Data Exchange for Corporates services pool configuration should be consistent with plato services.

Table 3-1 Data sources created on each managed server

| Source Name | Data Source Name | Mapped Database Schema | Data source JNDI |
|----------------------------|------------------|------------------------|--------------------------|
| obedx-core-service | OBEDXC | OBEDX_APP | jdbc/OBEDX |
| | CMNCORE | COMMON_CORE | jdbc/CMNCORE |
| | PLATO | PLATO | jdbc/PLATO |
| | PLATOUI | PLATO_UI_CONFIG | jdbc/ PLATO_UI_CONFIG |
| | SMS | SMS | jdbc/sms |
| obedx-workflow-service | OBEDXC | OBEDX_APP | jdbc/OBEDX |
| | SMS | SMS | jdbc/sms |
| | PLATOBATCH | PLATO_BATCH | jdbc/PLATOBATCH |
| obedx-notification-service | OBEDXC | OBEDX_APP | jdbc/OBEDX |
| | PLATOUI | PLATO_UI_CONFIG | jdbc/ PLATO_UI_CONFIG |
| | SMS | SMS | jdbc/sms |
| obedx-inquiry-service | OBEDXC | OBEDX_APP | jdbc/OBEDX |
| | PLATOUI | PLATO_UI_CONFIG | jdbc/ PLATO_UI_CONFIG |
| | SMS | SMS | jdbc/sms |
| obedx-fft-service | OBEDXC | OBEDX_APP | jdbc/OBEDX |
| | PLATOUI | PLATO_UI_CONFIG | jdbc/ PLATO_UI_CONFIG |
| | SMS | SMS | jdbc/sms |

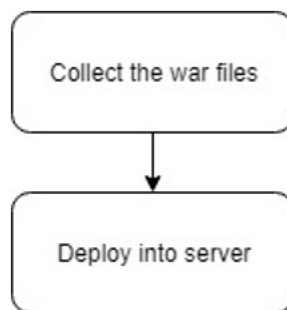
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Deployments

- [Prerequisites](#)
- [Deployments List](#)
- [Steps to Deploy as Application](#)

4.1 Prerequisites

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 Oracle Banking Electronic Data Exchange for Corporates 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**”.

4.2 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 must 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 Oracle Banking Electronic Data Exchange for Corporates services should be deploy 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. However not mandatory, provided the managed server is configured as per the sizing recommendations during the implementation phase.

| Application | Archive name | OSDC path | Targets |
|----------------------------|--|--|-----------------------|
| obedx-core-service | obedx-core-service-{version}.war | {UNZIP OSDC PACKAGE}\ OBEDX_SERVICES\ obedx-core- service | OBEDXC Managed Server |
| obedx-workflow-service | obedx-workflow-service-{version}.war | {UNZIP OSDC PACKAGE}\ OBEDX_SERVICES\ obedx-workflow- service | OBEDXC Managed Server |
| obedx-notification-service | obedx-notification-service-{version}.war | {UNZIP OSDC PACKAGE}\ OBEDX_SERVICES\ obedx- notification- service | OBEDXC Managed Server |
| obedx-inquiry-service | obedx-inquiry-service-{version}.war | {UNZIP OSDC PACKAGE}\ OBEDX_SERVICES\ obedx-inquiry- service | OBEDXC Managed Server |
| obedx-fft-service | obedx-fft-service-{version}.war | {UNZIP OSDC PACKAGE} \OBEDX_SERVICES \obedx-fft- service | OBEDXC Managed Server |

4.3 Steps to Deploy as Application

To deploy application please refer “ **Configuration and Deployment - How to deploy** ”section.

5

Restarts and Refresh

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

- [Restarting Servers](#)
- [Restart Order](#)

5.1 Restarting Servers

To restart the server please refer to **Configuration and Deployment-“How to restart”** section.

5.2 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

6

Logging Area

- [Introduction](#)
- [Logging Area](#)

6.1 Introduction

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

6.2 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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