

Oracle® Banking Electronic Data Exchange for Corporates Services Installation Guide



Patchset Release 14.7.4.0.0

G10298-01

June 2024

The Oracle logo, consisting of the word "ORACLE" in white, uppercase, sans-serif font, centered within a solid red square.

ORACLE®

Copyright © 2018, 2024, Oracle and/or its affiliates.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software, software documentation, data (as defined in the Federal Acquisition Regulation), or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software," "commercial computer software documentation," or "limited rights data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle®, Java, MySQL, and NetSuite are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

Contents

Preface

Purpose	v
Audience	v
Acronyms and Abbreviations	v
Documentation Accessibility	v
Screenshot Disclaimer	vi

1 Domain and Cluster Configuration

1.1 Plato Infrastructure Domain Configuration	1-1
1.1.1 Prerequisites	1-1
1.1.2 Domain Creation and Configuration	1-1

2 Database Setup for Oracle Banking Electronic Data Exchange for Corporates

2.1 Introduction	2-1
2.2 Database Schema Creation	2-1

3 Data Sources Creation in WebLogic

3.1 Prerequisites	3-1
3.2 Data Sources List	3-1

4 Deployments

4.1 Prerequisites	4-1
4.2 Deployments List	4-1
4.3 Steps to Deploy as Application	4-2

5 Restarts and Refresh

5.1 Restarting Servers	5-1
------------------------	-----

6 Logging Area

Index

Preface

- [Purpose](#)
- [Audience](#)
- [Acronyms and Abbreviations](#)
- [Documentation Accessibility](#)
- [Screenshot Disclaimer](#)

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

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>.

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

Screenshot Disclaimer

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

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
PLATORULE
OBEDX_APP
SMS

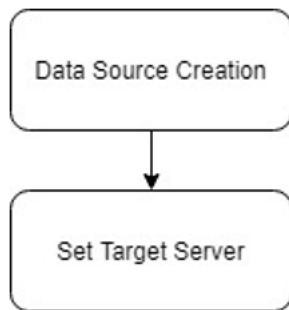
3

Data Sources Creation in WebLogic

- [Prerequisites](#)
- [Data Sources List](#)

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

Table 3-1 (Cont.) Data sources created on each managed server

Source Name	Data Source Name	Mapped Database Schema	Data source JNDI
	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

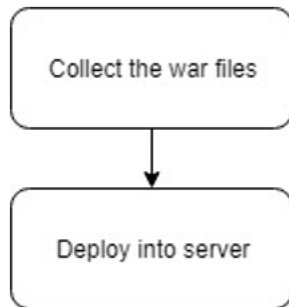
4

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\o bedx-core- service	OBEDXC Managed Server
obedx-workflow-service	obedx-workflow-service- {version}.war	{UNZIP OSDC PACKAGE}\ OBEDX_SERVICES\o bedx-workflow- service	OBEDXC Managed Server
obedx-notification- service	obedx-notification- service-{version}.war	{UNZIP OSDC PACKAGE}\ OBEDX_SERVICES\o bedx- notification- service	OBEDXC Managed Server
obedx-inquiry-service	obedx-inquiry-service- {version}.war	{UNZIP OSDC PACKAGE}\ OBEDX_SERVICES\o bedx-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**.

Index

D

Data Sources Creation in WebLogic, [3-1](#)
Data Sources List, [3-1](#)
Database Schema Creation, [2-1](#)
Database Setup for Oracle Banking Electronic
 Data Exchange for Corporates, [2-1](#)
Deployments, [4-1](#)
Deployments List, [4-1](#)
Domain and Cluster Configuration, [1-1](#)
Domain Creation and Configuration, [1-1](#)

I

Introduction, [2-1](#), [6-1](#)

L

Logging Area, [6-1](#)

P

Plato Infrastructure Domain Configuration, [1-1](#)
Prerequisites, [1-1](#), [3-1](#), [4-1](#)

R

Restart Order, [5-1](#)
Restarting Servers, [5-1](#)
Restarts and Refresh, [5-1](#)

S

Steps to Deploy as Application, [4-2](#)