

Oracle® Banking Operational Ledger

Installation Guide



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ORACLE®

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Preface

This topic contains the following sub-topics:

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Purpose

This guide helps the user to perform the initial setup for Oracle Banking Operational Ledger service. The procedures given in this document must be completed to run the application successfully.

Acronyms and Abbreviations

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

Table 1 Acronyms table

Abbreviation	Description
OBOL	Oracle Banking Operational Ledger
SMS	Security Management System
JDK	Java Development Kit

Audience

This document is intended for admin or ops-web team who are responsible for installing the Oracle Financial Software Service banking products.

Critical Patches

Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at [Critical Patches, Security Alerts and](#)

[Bulletins](#). All critical patches should be applied in a timely manner to ensure effective security, as strongly recommended by [Oracle Software Security Assurance](#).

Conventions

The following text conventions are used in this document:

Table 2 Conventions

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.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

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Related Resources

For more information on any related features, user can refer to the following documents:

- *Oracle Banking Operational Ledger User Guide*
- *Oracle Banking Micro-services Architecture Guides*

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Database Setup

This topic provides information about database setup. Use OBOL service schemas and SMS schemas to setup database.

Introduction

This topic explains about setting up database related configuration for OBOL Installation.

Pre-requisite

Database Setup

Below setup is dependent on OBOL service schemas and SMS schemas. So, before user proceed with below setup ensure OBOL service schemas and SMS Schema is provided to user.

To setup DB for OBOL schema's to be created.

Table 1-1 Database Setup

Service Name	Schema Required
OBOL-TRANSACTION-ACCOUNTING-SERVICES	Yes
OBOL-TRANSACTION-BATCH-SERVICES	Yes
OBOL-TRANSACTION-PROCESSING-SERVICES	Yes

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Domain and Cluster Configuration

This topic describes information about domain and cluster configuration to create Oracle Banking Operational Ledger domain.

Prerequisites

1. Make sure Java JDK 17.0.18 is installed on your machine.
2. Check that Oracle Fusion Middle ware 14c (14.1.2) is installed on your machine.
3. Steps to create an OBOL domain include changing properties such as port numbers and names based on the domain. Screenshots are provided for these changes. The process for creating the domain stays the same.

Steps to Create Domain

It is advised to use separate managed servers within a single domain for each application. To set up the domain and its configuration, please see the **How to Create and Cluster Configuration** section in the **Configuration and Deployment Guide**.

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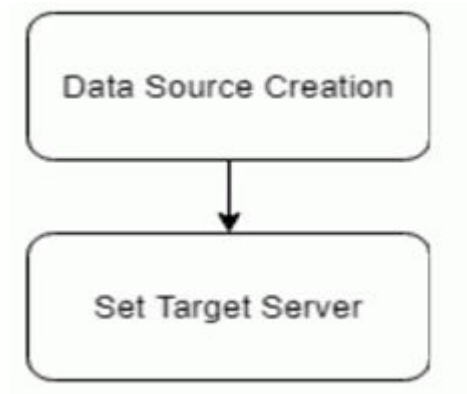
Data Source Creation

This topic describes information about data source creation. Use database and application setup for OBOL services must be performed prior to deployment setup.

Prerequisite

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 OBOL services and the steps to configure them in the server.

Figure 3-1 Data Source Creation



Data sources List

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

Table 3-1 Data Source List

Data Source Name	Data Source JNDI	Targets
OBOLACCTNG	jdbc/OBOLACCTNG	OBOL Managed Server

Steps to create data source in WebLogic is same for all the above except for the connection details and names.

For creating data source, refer **How to create Data Sources** section in **Configuration and Deployment guide**.

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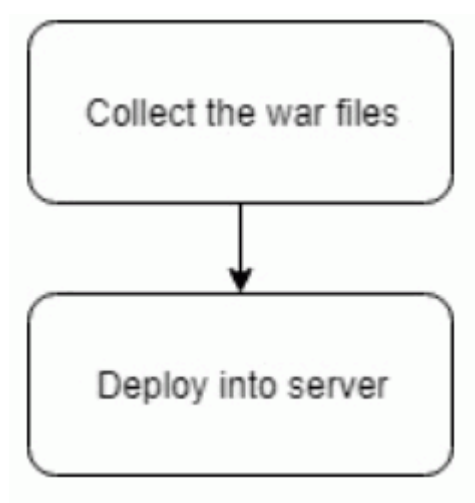
Deployments

Use database setup and data sources creation prior to the application deployment stage.

Pre-requisite

Each service is linked to a specific war file that must be deployed on the server. The next sections detail the list of war files for the OBOL service and the steps required to deploy them on the server.

Figure 4-1 Deployments



- Environment variables need to be set, refer **Configuration and Deployment Guide**.
- For any issues with fly configuration setup, refer **Observability Guide**.

Deployments List

Below table gives details of the deployments required on each domain for the OBOL applications to run. Deploy one after other in the same given order.

Table 4-1 Deployments List

Application	Archive Name	OSDC Path	Targets
OBOL-TRANSACTION-ACCOUNTING-SERVICES	obol-transaction-accounting-services - x.x.x.war	{Unzip OSDC Package} \OBOL_SERVICES\ obol-transaction-accounting-services \	OBOL Managed Server
OBOL-TRANSACTION-BATCH-SERVICES	obol-transaction-batch-services -x.x.x.war	{Unzip OSDC Package} \OBOL_SERVICES\ obol-transaction-batch-services	OBOL Managed Server

Table 4-1 (Cont.) Deployments List

Application	Archive Name	OSDC Path	Targets
OBOL-TRANSACTION-PROCESSING-SERVICES	obol-transaction-processing-services - x.x.x.war	{Unzip OSDC Package} \OBOL_SERVICES\ obol-transaction-processing-services \	OBOL Managed Server

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Restarts and Refresh

Use restart to restart all managed servers and refresh to update the configuration properties.

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

To restart the server, see the restart section in the **Configuration and Deployment Guide**.

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Logging Area

Introduction

Use logging area for deployment of Common Core Applications in WebLogic server.

Logging Area

This section talks about the logs area were after deployment of Common Core Applications in WebLogic server.

Common Core Application writes logs in the below area of the server-

```
<WEBLOGIC_DOMAIN_CONFIG_AREA>/servers/OBOLAPP/logs/OBOLAPP.out
```

Logging area for Common core would be

```
/scratch/oracle/middleware/user_projects/domains/CommonCore_domain
```

Let's assume a domain has been created OBOL_domain with managed_server name called OBOL in the following area of the server.

```
/scratch/oracle/middleware/user_projects/domains/OBOL_domain/servers/OBOLAPP/  
logs/OBOLAPP.out
```

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