Oracle Banking Liquidity Management Installation Guide
Oracle Banking Liquidity Management
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FINANCIAL SERVICES

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1. Preface

1.1 Introduction

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

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

Note: For the exact version to be installed, refer to **Tech Stack** section of Release Notes.

1.2 Audience

This guide 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

1.4 Organization

This installation user guide would allow you to install following services and UI.

Services
- oblm-batch-services
- oblm-cash-concentration-services
- oblm-dashboard-services
- oblm-icl-services
- oblm-integration-services
- oblm-maintenance-services
- oblm-messaging-services
- oblm-pool-services
- oblm-report-services
- oblm-rtl-services
- oblm-structure-services
- oblm-sweep-services

UI
- app-shell

To install Interest and Charges Services, refer **Interest and Charges Services Installation Guide**.

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2. Database Setup

2.1 Introduction

In this section you are going to setup database related configuration for OBLM Installation. It is recommended to create different schema for each application. Below setup is designed to work with separate schema for each application.

2.2 Prerequisite

- All the required OBLM schemas are created and all the required grants are given.

Note: To know server's port number, refer ANNEXURE-1. "**How to check port no"** section.

2.3 Database Setup

Create the below OBLM schema's

Service Name	Schema Required
oblm-batch-services	OBLMXXXLMB
oblm-cash-concentration-services	OBLMXXXLMC
oblm-dashboard-services	OBLMXXXLMD
oblm-icl-services	OBLMXXXICL
oblm-integration-services	OBLMXXXLMX
oblm-maintenance-services	OBLMXXXLMM
oblm-messaging-services	OBLMXXXLMG
oblm-pool-services	OBLMXXXLMP
oblm-report-services	OBLMXXXLMR
oblm-rtl-services	OBLMXXXLRT
oblm-structure-services	OBLMXXXLMA
oblm-sweep-services	OBLMXXXLMS

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2.4 <u>User Grants</u>

The following grants are provided to the user in the Projection schema which is required for ML use cases.

- GRANT CREATE MINING MODEL TO <PROJECTION SCHEMA>;
- GRANT CREATE ANY MINING MODEL TO <PROJECTION SCHEMA>;
- GRANT ALTER ANY MINING MODEL TO <PROJECTION SCHEMA>;
- GRANT DROP ANY MINING MODEL TO <PROJECTION SCHEMA>;
- GRANT SELECT ANY MINING MODEL TO <PROJECTION SCHEMA>;
- GRANT COMMENT ANY MINING MODEL TO <PROJECTION SCHEMA>;
- GRANT AUDIT ANY TO <PROJECTION SCHEMA>;
- GRANT EXECUTE ON DBMS_DATA_MINING to <PROJECTION SCHEMA>;
- GRANT CREATE TABLE TO <PROJECTION SCHEMA>
- GRANT DROP TABLE TO <PROJECTION SCHEMA>

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3. Domains & Cluster Configuration

3.1 OBLM Service Domains Configuration

3.1.1 Prerequisites

1. Plato, SMS & Common core deployments are up & running. **(Required)**
2. Machine should have Java JDK installed.
3. Oracle Fusion Middleware has to be installed on the machine.

Note: For the exact version to be installed, refer to **Tech Stack** section of Release Notes.

3.1.2 Steps to Create Domain

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".**

4. Data Sources Creation

4.1 Prerequisite

1. Database schemas for all OBLM services are created and all the required grants are given.
2. All the domains and clusters & managed servers are created.

4.2 Data sources List

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

Service Name	Data Source Name	Data Source JNDI	Target
oblm-maintenance-services	PLATO	jdbc/PLATO	OBLM Maintenance Server
	LMM	jdbc/LMM	
oblm-integration-services	PLATO	jdbc/PLATO	OBLM Integration Server
	LMX	jdbc/LMX	
oblm-rtl-services	PLATO	jdbc/PLATO	OBLM RTL Server
	LRT	jdbc/LRT	
oblm-structure-services	PLATO	jdbc/PLATO	OBLM Structure Server
	LMA	jdbc/LMA	
oblm-cash-concentration-services	PLATO	jdbc/PLATO	OBLM Cash Concentration Server
	LMC	jdbc/LMC	
oblm-sweep-services	PLATO	jdbc/PLATO	OBLM Sweep Server
	LMS	jdbc/LMS	
oblm-pool-services	PLATO	jdbc/PLATO	OBLM Pool Server
	LMP	jdbc/LMP	
oblm-batch-services	PLATO	jdbc/PLATO	OBLM Batch Server
	LMB	jdbc/LMB	
oblm-dashboard-services	PLATO	jdbc/PLATO	OBLM Dashboard Server
	LMD	jdbc/LMD	
oblm-report-services	PLATO	jdbc/PLATO	OBLM Report Server
	LMR	jdbc/LMR	
oblm-icl-services	PLATO	jdbc/PLATO	OBLM ICL Server
	ICL	jdbc/ICL	
oblm-messaging-services	PLATO	jdbc/PLATO	OBLM Messaging Server
	LMG	jdbc/LMG	

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

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5. Deployments

5.1 Prerequisite

Before you proceed with below, please make sure previous steps are completed.

5.2 Deployment List

Below table give details of the deployments required on each Server for the oblm applications to run.

Services

Application	Archive Name	OSDC Path	Target
oblm-maintenance-services	oblm-maintenance-services-6.0.0.war	\OBLM_SERVICES\oblm-maintenance-services	OBLM Maintenance Server
oblm-integration-services	oblm-integration-services-6.0.0.war	\OBLM_SERVICES\oblm-integration-services\	OBLM Integration Server
oblm-rtl-services	oblm-rtl-services-6.0.0.war	\OBLM_SERVICES\oblm-rtl-services\	OBLM RTL Server
oblm-structure-services	oblm-structure-services-6.0.0.war	\OBLM_SERVICES\oblm-structure-services\	OBLM Structure Server
oblm-cash-concentration-services	oblm-cash-concentration-services-6.0.0.war	\OBLM_SERVICES\oblm-cash-concentration-services\	OBLM Cash Concentration Server
oblm-sweep-services	oblm-sweep-services-6.0.0.war	\OBLM_SERVICES\oblm-sweep-services\	OBLM Sweep Server
oblm-pool-services	oblm-pool-services-6.0.0.war	\OBLM_SERVICES\oblm-pool-services\	OBLM Pool Server
oblm-batch-services	oblm-batch-services-6.0.0.war	\OBLM_SERVICES\oblm-batch-services\	OBLM Batch Server
oblm-dashboard-services	oblm-dashboard-services-6.0.0.war	\OBLM_SERVICES\oblm-dashboard-services\	OBLM Dashboard Server
oblm-report-services	oblm-report-services-6.0.0.war	\OBLM_SERVICES\oblm-report-services\	OBLM Report Server
oblm-icl-services	oblm-icl-services-6.0.0.war	\OBLM_SERVICES\oblm-icl-services\	OBLM ICL Server
oblm-messaging-services	oblm-messaging-services-6.0.0.war	\OBLM_SERVICES\oblm-messaging-services\	OBLM Messaging Server

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UI

Application	Archive Name	OSDC Path	Target
app-shell	app-shell-6.0.0.war	\UI	UI Server
oblm-component-server	oblm-component-server-6.0.0.war	\UI	UI Server
cmc-component-server	cmc-component-server-6.0.0.war	\UI	UI Server
moc-component-server	moc-component-server-6.0.0.war	\UI	UI Server
sms-component-server	sms-component-server-6.0.0.war	\UI	UI Server

5.3 <u>Steps to Deploy as Application</u>

To deploy application please refer ANNEXURE-1. "**How to deploy section**".

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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 <u>Restarting Servers</u>

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

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7.   Logging Area

7.1 <u>Introduction</u>

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

<u>Logging Area</u>

OBLM Application writes logs in the below area of the server:
<WEBLOGIC_DOMAIN_CONFIG_AREA/servers/OBLMAPP/logs/OBLMAPP.o
ut

Let's assume a domain has been created **oblm_domain** with **managed_server** name called **OBLMAPP** in the following area of the server /scratch/oracle/middleware/user_projects/domains/**oblm_domain**". Logging area for OBLM applications would be **/scratch/oracle/middleware/user_projects/domains/oblm_domain/servers/OBLMAPP /logs/ OBLMAPP.out.**

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