Installation Guide

Oracle Banking Liquidity Management

Release 14.5.4.0.0

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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 Oracle Banking Microservices Platform 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-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
- vamlm-charge-services

UI

- app-shell
- cmc-component-server
- oblm-component-server
- sms-component-server
- obvamlm-component-server

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



2. Database Setup

2.1 Introduction

In this section you are going to setup database related configuration for Oracle Banking Liquidity Management 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 Oracle Banking Liquidity Management 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 <u>Database Setup</u>

Create the below Oracle Banking Liquidity Management schema's

Service Name	Schema Required
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
vamlm-charge-services	OBLMXXXCHG



2.4 User Grants

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>



3. Domains & Cluster Configuration

3.1 <u>Oracle Banking Liquidity Management Service Domains Configuration</u>

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 Oracle Banking Liquidity Management 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	
	PLATO	jdbc/PLATO		
oblm-maintenance-	LMM	jdbc/LMM	Maintenance	
	SMS	jdbc/sms	Server	
services	PLATOFEED	jdbc/PLATOFEED	. Server	
	PLATO_UI_CONFIG	jdbc/PLATO_UI_CONFIG		
	PLATO	jdbc/PLATO		
	LMX	jdbc/LMX		
oblm-integration-	SMS	jdbc/sms	Integration	
services	PLATOFEED	jdbc/PLATOFEED	Server	
	PLATOBATCH	jdbc/PLATOBATCH		
	PLATO_UI_CONFIG	jdbc/PLATO_UI_CONFIG		
	PLATO	jdbc/PLATO		
oblm-rtl-services	LRT	jdbc/LRT	RTL Server	
obim-ru-services	SMS	jdbc/sms	. RIL Server	
	PLATO_UI_CONFIG	jdbc/PLATO_UI_CONFIG		
	PLATO	jdbc/PLATO		
oblm-structure-	LMA	jdbc/LMA	Structure Server	
services	SMS	jdbc/sms	Structure Server	
	PLATO_UI_CONFIG	jdbc/PLATO_UI_CONFIG		
	PLATO	jdbc/PLATO		
oblm-cash-	LMC	jdbc/LMC	Cash	
concentration-	SMS	jdbc/sms	Concentration	
services	PLATOFEED	jdbc/PLATOFEED	Server	
	PLATO_UI_CONFIG	jdbc/PLATO_UI_CONFIG		
	I .		l	



Service Name	Data Source Name	Data Source JNDI	Target	
	PLATO	jdbc/PLATO		
oblm-sweep-	LMS	jdbc/LMS		
services	SMS	jdbc/sms	Sweep Server	
Services	PLATO_UI_CONFIG	jdbc/PLATO_UI_CONFIG		
	PLATOBATCH	jdbc/PLATOBATCH		
	PLATO	jdbc/PLATO		
	LMP	jdbc/LMP		
oblm-pool-services	SMS	jdbc/sms	Pool Server	
	PLATOBATCH	jdbc/PLATOBATCH		
	PLATO_UI_CONFIG	jdbc/PLATO_UI_CONFIG		
	PLATO	jdbc/PLATO		
oblm-dashboard-	LMD	jdbc/LMD	Dashboard	
services	SMS	jdbc/sms	Server	
	PLATO_UI_CONFIG	jdbc/PLATO_UI_CONFIG		
	PLATO	jdbc/PLATO	Report Server	
oblm-report-	LMR	jdbc/LMR		
services	SMS	jdbc/sms	Report Server	
	PLATO_UI_CONFIG	jdbc/PLATO_UI_CONFIG		
	PLATO	jdbc/PLATO		
oblm-icl-services	ICL	jdbc/ICL	ICL Server	
Obliti-ici-selvices	SMS	jdbc/sms	ICL Server	
	PLATO_UI_CONFIG	jdbc/PLATO_UI_CONFIG		
	PLATO	jdbc/PLATO		
ohlm magagging	LMG	jdbc/LMG	Moooging	
oblm-messaging- services	SMS	jdbc/sms	Messaging Server	
Services	PLATOBATCH	jdbc/PLATOBATCH	Server	
	PLATO_UI_CONFIG	jdbc/PLATO_UI_CONFIG		
	PLATO	jdbc/PLATO		
vamlm-charge-	VAMLMCHG	jdbc/VAMLMCHG	Charges Server	
services	SMS	jdbc/sms	Charges Server	
	PLATO_UI_CONFIG	jdbc/PLATO_UI_CONFIG		

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



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 Oracle Banking Liquidity Management applications to run.

Services

Application	Archive Name	OSDC Path	Target
oblm-maintenance- services	oblm-maintenance- services- {version}.war	\OBLM_SERVICES\oblm- maintenance-services	Maintenance Server
oblm-integration- services	oblm-integration- services- {version}.war	\OBLM_SERVICES\oblm-integration-services\	Integration Server
oblm-rtl-services	oblm-rtl-services- {version}.war	\OBLM_SERVICES\oblm- rtl-services\	RTL Server
oblm-structure- services	oblm-structure- services- {version}.war	\OBLM_SERVICES\oblm- structure-services\	Structure Server
oblm-cash- concentration- services	oblm-cash- concentration- services- {version}.war	\OBLM_SERVICES\oblm- cash-concentration- services\	Cash Concentration Server
oblm-sweep- services	oblm-sweep- services- {version}.war	\OBLM_SERVICES\oblm- sweep-services\	Sweep Server
oblm-pool-services	oblm-pool-services- {version}.war	\OBLM_SERVICES\oblm- pool-services\	Pool Server
oblm-dashboard- services	oblm-dashboard- services- {version}.war	\OBLM_SERVICES\oblm- dashboard-services\	Dashboard Server



Application	Archive Name	OSDC Path	Target
oblm-report- services	oblm-report-services- {version}.war	\OBLM_SERVICES\oblm- report-services\	Report Server
oblm-icl- services	oblm-icl-services- {version}.war	\OBLM_SERVICES\oblm- icl-services\	ICL Server
oblm-messaging- services	oblm-messaging- services- {version}.war	\OBLM_SERVICES\oblm- messaging-services\	Messaging Server
vamlm-charge- services	vamlm-charge- services- {version}.war	\OBVAM_LM_CHARGES\ vamlm-charge-services\	Charges Server

NOTE: Refer to OSDC file for the exact version number for each service.

vamlm-charge-services Deployment:

vamlm-charge-services is the common service for Oracle Banking Virtual Account Management and Oracle Banking Liquidity Management. In a co-deployed situation, it should be deployed from only one of the packages.

Both the product packages contain the exact same version of this service. If you deploy it from the one of the product packages, then do not deploy it from the other one.

Note: The value of deployment type in the property table is dependent on the type of deployment.

- If the deployment is standalone for Oracle Banking Liquidity Management, the value should be **Imchg**.
- If the deployment is standalone for Oracle Banking Virtual Account Management, the value should be **vamchg**.
- If the deployment is common for both the products, the value should be codeployed.

The below listed common core services must be deployed in a common server to enable the vamlm-charge-services.

- cmc-businessoverrides-services
- cmc-charges-calculation-services
- cmc-resource-segment-orchestrator-service
- cmc-resourceclass-services
- cmc-screenclass-services



UI

Application	Archive Name	OSDC Path	Target
app-shell	app-shell-{version}.war	\UI	UI Server
oblm-component-server	oblm-component-server-{version}.war	\UI	UI Server
cmc-component-server	cmc-component-server-{version}.war	\UI	UI Server
sms-component-server	sms-component-server-{version}.war	\UI	UI Server
obvamlm-component- server	obvamlm-component-server- {version}.war	\UI	UI Server

NOTE: Refer to OSDC file for the exact version number for each service.

obvamlm-component-server Deployment:

obvamlm-component-server is the common component server for Charges in Oracle Banking Virtual Account Management and Oracle Banking Liquidity Management. In a co-deployed situation, it should be deployed from only one of the packages.

Both the product packages contain the exact same version of this component server. If you deploy it from the one of the product packages, then do not deploy it from the other one.

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.



7. Logging Area

7.1 Introduction

This part of the document will talk about the logs area where after deployment of Oracle Banking Liquidity Management Applications in WebLogic server.

Logging Area

Oracle Banking Liquidity Management Application writes logs in the below area of the server:

<WEBLOGIC_DOMAIN_CONFIG_AREA/servers/OBLMAPP/logs/OBLMAPP.o
ut</pre>

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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