Interest and Charges Services Installation Guide

Oracle Banking Liquidity Management

Release 14.5.3.0.0

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Table of Contents

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1.   Preface

1.1   Introduction

This guide helps you to install the Interest and Charges 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 Interest and Charges 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 IC services in the same order for Oracle Banking Liquidity Management setup.

oblm-ic-config-services
oblm-ic-charge-calc-services
oblm-ic-bod-batch-services
oblm-ic-external-adapter-services
oblm-ic-intchg-accting-services
oblm-ic-interest-accrual-services
oblm-ic-interest-allocate-services
oblm-ic-interest-batch-services
oblm-ic-interest-calc-services
oblm-ic-interest-input-services
oblm-ic-interest-liquidation-services
oblm-ic-interest-maintqueue-services
oblm-ic-interest-resolve-services
oblm-ic-maintenance-services
oblm-ic-online-liquidation-services

If the IC services to be installed for Oracle Banking Virtual Account Management instead of above services below listed services has to be deployed in the below order.

obvam-ic-config-services
obvam-ic-charge-calc-services
obvam-ic-bod-batch-services
obvam-ic-external-adapter-services

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obvam-ic-intchg-accting-services
obvam-ic-interest-accrual-services
obvam-ic-interest-allocate-services
obvam-ic-interest-batch-services
obvam-ic-interest-calc-services
obvam-ic-interest-input-services
obvam-ic-interest-liquidation-services
obvam-ic-interest-maintqueue-services
obvam-ic-interest-resolve-services
obvam-ic-maintenance-services
obvam-ic-online-liquidation-services

2. Database Setup

2.1 <u>Introduction</u>

In this section you are going to setup database related configuration for Oracle Banking Liquidity Management IC Installation.

2.2 <u>Prerequisite</u>

- For IC for Oracle Banking Liquidity Management, IC services will use the existing Oracle Banking Liquidity Management's Integration Schema
- For IC for Oracle Banking Virtual Account Management, IC services will use the existing obvam-account-services Schema

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

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3. Domains & Cluster Configuration

3.1 Interest and Charges Service Domains Configuration

3.1.1 Prerequisite

- Plato, SMS & Common core deployments are up & running. **(Required)**
- Machine should have Java JDK installed.
- 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 Domains Creation and Configuration

It is recommended to create the domain structure as given below and also to maintain the same nomenclature. For Creating Domain and Configuration please refer to ANNEXURE-1 "**How to create and Cluster Configuration".**

Domain name: obic

- ❖ oblm-ic-config-cluster
  - ▪ managed_server1
- ❖ oblm-ic-charge-calc-cluster
  - ▪ managed_server2
- ❖ oblm-ic-intchg-accting-cluster
  - ▪ managed_server3
- ❖ oblm-ic-interest-accrual-cluster
  - ▪ managed_server4
- ❖ oblm-ic-interest-allocate-cluster
  - ▪ managed_server5
- ❖ oblm-ic-interest-batch-cluster
  - ▪ managed_server6
- ❖ oblm-ic-interest-calc-cluster
  - ▪ managed_server7
- ❖ oblm-ic-interest-input-cluster
  - ▪ managed_server8
- ❖ oblm-ic-interest-liquidation-cluster
  - ▪ managed_server9
- ❖ oblm-ic-interest-maintqueue-cluster
  - ▪ managed_server10
- ❖ oblm-ic-interest-resolve-cluster
  - ▪ managed_server11
- ❖ oblm-ic-maintenance-cluster
  - ▪ managed_server12
- ❖ oblm-ic-online-liquidation-cluster
  - ▪ managed_server13
- ❖ oblm-ic-bod-batch-cluster
  - ▪ managed_server14
- ❖ oblm-ic-external-adapter-cluster
  - ▪ managed_server15

3.1.3 Domains Creation and Configuration IC with Oracle Banking Virtual Account Management

It is recommended to create the domain structure as given below and also to maintain the same nomenclature. For Creating Domain and Configuration please refer to ANNEXURE-1 "**How to create and Cluster Configuration".**

Domain name: obic

- ❖ obvam-ic-config-cluster
  - ▪ managed_server1
- ❖ obvam -charge-calc-cluster
  - ▪ managed_server2
- ❖ obvam-ic-intchg-accting-cluster
  - ▪ managed_server3
- ❖ obvam-ic-interest-accrual-cluster
  - ▪ managed_server4
- ❖ obvam-ic-interest-allocate-cluster
  - ▪ managed_server5
- ❖ obvam-ic-interest-batch-cluster
  - ▪ managed_server6
- ❖ obvam-ic-interest-calc-cluster
  - ▪ managed_server7
- ❖ obvam-ic-interest-input-cluster
  - ▪ managed_server8
- ❖ obvam-ic-interest-liquidation-cluster
  - ▪ managed_server9
- ❖ obvam-ic-interest-maintqueue-cluster
  - ▪ managed_server10
- ❖ obvam-ic-interest-resolve-cluster
  - ▪ managed_server11
- ❖ obvam-ic-maintenance-cluster
  - ▪ managed_server12
- ❖ obvam-ic-online-liquidation-cluster
  - ▪ managed_server13
- ❖ obvam-ic-bod-batch-cluster
  - ▪ managed_server14
- ❖ obvam-ic-external-adapter-cluster
  - ▪ managed_server1

4. Data Sources Creation

4.1 Prerequisite

- Database schemas for all Interest and Charges services are created and all the required grants are given.
- 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.

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

Data Source Name	Data Source JNDI	Target
PLATO	jdbc/PLATO	managed_server1 managed_server2 managed_server3 managed_server4 managed_server5 managed_server6 managed_server7 managed_server8 managed_server9 managed_server10 managed_server11 managed_server12 managed_server13 managed_server14 managed_server15
OBIC	jdbc/OBIC	
PLATOBATCH	jdbc/PLATOBATCH	

5. Deployments

5.1 Prerequisite

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

5.2 Deployment List- Oracle Banking Liquidity Management

Below table give details of the deployments required on each Server for the Oracle Banking Liquidity Management applications to run. Deploy one after other in the same given order.

Application	Archive Name	OSDC Path	Target
oblm-ic-config-services	oblm-ic-config-services-6.0.0.war	\OBIC_SERVICES\OBLM\oblm-ic-config-services\	oblm-ic config server
oblm-ic-charge-calc-services	oblm-ic-charge-calc-services-6.0.0.war	\OBIC_SERVICES\OBLM\oblm-ic-charge-calc-services\	oblm-ic charge calc server
oblm-ic-intchg-accting-services	oblm-ic-intchg-accting-services-6.0.0.war	\OBIC_SERVICES\OBLM\oblm-ic-intchg-accting-services\	oblm-ic intchg accting server
oblm-ic-interest-accrual-services	oblm-ic-interest-accrual-services-6.0.0.war	\OBIC_SERVICES\OBLM\oblm-ic-interest-accrual-services\	oblm-ic interest accrual server
oblm-ic-interest-allocate-services	oblm-ic-interest-allocate-services-6.0.0.war	\OBIC_SERVICES\OBLM\oblm-ic-interest-allocate-services\	oblm-ic interest allocate server
oblm-ic-interest-batch-services	oblm-ic-interest-batch-services-6.0.0.war	\OBIC_SERVICES\OBLM\oblm-ic-interest-batch-services\	oblm-ic interest batch server
oblm-ic-interest-calc-services	oblm-ic-interest-calc-services-6.0.0.war	\OBIC_SERVICES\OBLM\oblm-ic-interest-calc-services\	oblm-ic interest calc server
oblm-ic-interest-input-services	oblm-ic-interest-input-services-6.0.0.war	\OBIC_SERVICES\OBLM\oblm-ic-interest-input-services\	oblm-ic interest input server

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Application	Archive Name	OSDC Path	Target
oblm-ic-interest-liquidation-services	oblm-ic-interest-liquidation-services-6.0.0.war	\OBIC_SERVICES\OBLM\oblm-ic-interest-liquidation-services\	oblm-ic interest liquidation server
oblm-ic-interest-maintqueue-services	oblm-ic-interest-maintqueue-services-6.0.0.war	\OBIC_SERVICES\OBLM\oblm-ic-interest-maintqueue-services\	oblm-ic interest maintqueue server
oblm-ic-interest-resolve-services	oblm-ic-interest-resolve-services-6.0.0.war	\OBIC_SERVICES\OBLM\oblm-ic-interest-resolve-services\	oblm-ic interest resolve server
oblm-ic-maintenance-services	oblm-ic-maintenance-services-6.0.0.war	\OBIC_SERVICES\OBLM\oblm-ic-maintenance-services\	oblm-ic maintenance server
oblm-ic-online-liquidation-services	oblm-ic-online-liquidation-services-6.0.0.war	\OBIC_SERVICES\OBLM\oblm-ic-online-liquidation-services\	oblm-ic online liquidation server
oblm-ic-bod-batch-services	oblm-ic-bod-batch-services-6.0.0.war	\OBIC_SERVICES\OBLM\oblm-ic-bod-batch-services\	oblm-ic bod batch server
oblm-ic-external-adapter-services	oblm-ic-external-adapter-services-6.0.0.war	\OBIC_SERVICES\OBLM\oblm-ic-external-adapter-services\	oblm-ic external adapter server

5.3 Deployment List- Oracle Banking Virtual Account Management

Below table give details of the deployments required on each Server for the Oracle Banking Virtual Account Management applications to run. Deploy one after other in the same given order.

Application	Archive Name	OSDC Path	Target
obvam-ic-config-services	obvam-ic-config-services-6.0.0.war	\OBIC_SERVICES\obvam\ obvam-ic-config-services\	obvam-ic config server
obvam-ic-charge-calc-services	obvam-ic-charge-calc-services-6.0.0.war	\OBIC_SERVICES\obvam\ obvam-ic-charge-calc-services\	obvam-ic charge calc server
obvam-ic-intchg-accting-services	obvam-ic-intchg-accting-services-6.0.0.war	\OBIC_SERVICES\obvam\ obvam-ic-intchg-accting-services\	obvam-ic intchg accting server
obvam-ic-interest-accrual-services	obvam-ic-interest-accrual-services-6.0.0.war	\OBIC_SERVICES\obvam\ obvam-ic-interest-accrual-services\	obvam-ic interest accrual server
obvam-ic-interest-allocate-services	obvam-ic-interest-allocate-services-6.0.0.war	\OBIC_SERVICES\obvam\ obvam-ic-interest-allocate-services\	obvam-ic interest allocate server
obvam-ic-interest-batch-services	obvam-ic-interest-batch-services-6.0.0.war	\OBIC_SERVICES\obvam\ obvam-ic-interest-batch-services\	obvam-ic interest batch server

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Application	Archive Name	OSDC Path	Target
obvam-ic-interest-calc-services	obvam-ic-interest-calc-services-6.0.0.war	\OBIC_SERVICES\obvam\obvam-ic-interest-calc-services\	obvam-ic interest calc server
obvam-ic-interest-input-services	obvam-ic-interest-input-services-6.0.0.war	\OBIC_SERVICES\obvam\obvam-ic-interest-input-services\	obvam-ic interest input server
obvam-ic-interest-liquidation-services	obvam-ic-interest-liquidation-services-6.0.0.war	\OBIC_SERVICES\obvam\obvam-ic-interest-liquidation-services\	obvam-ic interest liquidation server
obvam-ic-interest-maintqueue-services	obvam-ic-interest-maintqueue-services-6.0.0.war	\OBIC_SERVICES\obvam\obvam-ic-interest-maintqueue-services\	obvam-ic interest maintqueue server
obvam-ic-interest-resolve-services	obvam-ic-interest-resolve-services-6.0.0.war	\OBIC_SERVICES\obvam\obvam-ic-interest-resolve-services\	obvam-ic interest resolve server
obvam-ic-maintenance-services	obvam-ic-maintenance-services-6.0.0.war	\OBIC_SERVICES\obvam\obvam-ic-maintenance-services\	obvam-ic maintenance server

Application	Archive Name	OSDC Path	Target
obvam-ic-bod-batch-services	obvam-ic-bod-batch-services-6.0.0.war	\OBIC_SERVICES\OBLM\obvam-ic-bod-batch-services\	obvam-ic bod batch server
obvam-ic-external-adapter-services	obvam-ic-external-adapter-services-6.0.0.war	\OBIC_SERVICES\OBLM\obvam-ic-external-adapter-services\	obvam-ic external adapter server
obvam-ic-online-liquidation-services	obvam-ic-online-liquidation-services-6.0.0.war	\OBIC_SERVICES\obvam\obvam-ic-online-liquidation-services\	obvam-ic online liquidation server

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

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 <u>Restarting Servers</u>

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

7.   Logging Area

7.1   <u>Introduction</u>

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

<u>Logging Area</u>

Server Logs

Managed Server writes logs in the below area of the server:
<WEBLOGIC_DOMAIN_CONFIG_AREA/servers/managed_server1/logs/ managed_server1.out

Let's assume a domain has been created **obic** with **managed_server** name called **managed_server1** in the following area of the server /scratch/oracle/middleware/user_projects/domains/**obic**". Logging area for Interest and Charges applications would be **/scratch/oracle/middleware/user_projects/domains/obic/servers/managed_server1/logs/managed_server1.out**

Application Log:

Application logs are found under **/scratch/obic/logs** and this path has to be configured in setDomainEnv.sh as -Dplato.service.logging.path=/scratch/obic/logs

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Interest and Charges Services Installation Guide

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