

Oracle Banking Liquidity Management  
Interest & Charges Services Installation Guide  
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## 1.1 Introduction

This guide helps you to install the OBIC services on designated environment. It is assumed that all the prior setup is already done related with WebLogic 12c installation, WebLogic managed server creation and Oracle DB installation.

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

## 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 in the same order.

- oblm-ic-maintenance-services
- oblm-ic-interest-rule-services
- oblm-ic-interest-accrual-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-query-services
- oblm-ic-interest-resolve-services
- oblm-ic-charge-calc-services

## 1.5 Related Documents

- Common Core Services Installation Guide
- Day-0 Setup Guide
- LDAP Setup Guide
- Oracle Banking Liquidity Management Annexure
- Oracle Banking Liquidity Management Pre-Installation Guide
- Oracle Banking Liquidity Management User Interface Installation Guide
- Oracle Banking Liquidity Management Services Installation Guide
- Plato Infrastructure Services Installation Guide
- Security Management System Services Installation Guide
- SSL Setup Guide

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## 2. Database Setup

### 2.1 Introduction

In this section you are going to setup database related configuration for OBLM IC 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

- The required OBIC schemas is created and all the required grants are given.

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

### 2.3 Database Setup

There are two alternate ways to create the database setup, viz.

1. Collect scripts from both the path mentioned in From-Path section in the table and compile into respective schemas.
2. Run the **obic\_db\_setup.sql** or **obic\_db\_setup.plb** file given below from the OSDC package.

[**Note: To Compile DDL, SEQ or INC please refer- ANNEXURE-1.docx "How to compile DDL, SEQ and INC Section". To execute obic\_db\_setup.sql please refer ANNEXURE-1.docx "How to execute SQL or PLB file."**]

**PLB or SQL EXECUTION:**

Filename	Compile to
obic_db_setup.sql or obic_db_setup.plb	obic schema

**DDL:**

Service Name	From-Path	Compile To
For all the OBIC Services	\\OBLM_IC_SERVICES\oblm-ic-db-setup\DOMAIN\DDL	OBIC schema

**SEQ:**

<b>Service Name</b>	<b>From-Path</b>	<b>Compile To</b>
For all the OBIC Services	\OBLM_IC_SERVICES\oblm-ic-db-setup\DOMAIN\SEQ	OBIC schema

**INC:**

<b>Service Name</b>	<b>From-Path</b>	<b>Compile To</b>
For all the OBIC Services	\OBLM_IC_SERVICES\oblm-ic-db-setup\SMS\INC	SMS Schema
	\OBLM_IC_SERVICES\oblm-ic-db-setup\DOMAIN\INC	OBIC schema

**VW:**

<b>Service Name</b>	<b>From-Path</b>	<b>Compile To</b>
For all the OBIC Services	\OBLM_IC_SERVICES\oblm-ic-db-setup\DOMAIN\VW	OBIC schema

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## 3. Domains & Cluster Configuration

### 3.1 OBIC Service Domains Configuration

#### 3.1.1 Prerequisite

- Database setup for all the modules viz. Plato, SMS, Common Core, OBLM Services, OBIC Services and all Day-0 setups must be completed. **(Required)**
- Plato, SMS & Common core deployments are up & running. **(Required)**
- Machine should have Java JDK1.8.0\_181 has installed.
- Oracle Fusion Middleware 12cR2 12.2.1.3 has to be installed on the machine.

#### 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**”. There will be three domains for Service deployments.

**Domain name:** obic

- ❖ oblm-ic-maintenance-cluster
  - managed\_server1
- ❖ oblm-ic-interest-rule-cluster
  - managed\_server2
- ❖ oblm-ic-interest-accrual-cluster
  - managed\_server3
- ❖ oblm-ic-interest-batch-cluster
  - managed\_server4
- ❖ oblm-ic-interest-calc-cluster
  - managed\_server5
- ❖ oblm-ic-interest-input-cluster
  - managed\_server6
- ❖ oblm-ic-interest-liquidation-cluster
  - managed\_server7
- ❖ oblm-ic-interest-maintqueue-cluster
  - managed\_server8
- ❖ oblm-ic-interest-query-cluster
  - managed\_server9
- ❖ oblm-ic-interest-resolve-cluster
  - managed\_server10
- ❖ oblm-ic-charge-calc-cluster
  - managed\_server11

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## 4. Data Sources Creation

### 4.1 Prerequisite

- Database schemas for all OBIC 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
OBIC	jdbc/OBIC	managed_server6 managed_server7 managed_server8 managed_server9 managed_server10 managed_server11

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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. Deploy one after other in the same given order.

Application	Archive Name	OSDC Path	Target
oblm-ic-maintenance-services	oblm-ic-maintenance-services-1.0.3.war	\\OBLM_IC_SERVICES\oblm-ic-maintenance-services\APP\ARCHIVE	OBLM IC Maintenance Server
oblm-ic-interest-rule-services	oblm-ic-interest-rule-services-1.0.3.war	\\OBLM_IC_SERVICES\oblm-ic-interest-rule-services\APP\ARCHIVE	OBLM IC Interest rule Server
oblm-ic-interest-accrual-services	oblm-ic-interest-accrual-services-1.0.3.war	\\OBLM_IC_SERVICES\oblm-ic-interest-accrual-services\APP\ARCHIVE	OBLM IC Interest Accrual Server
oblm-ic-interest-batch-services	oblm-ic-interest-batch-services-1.0.3.war	\\OBLM_IC_SERVICES\oblm-ic-interest-batch-services\APP\ARCHIVE	OBLM IC Interest Batch Server
oblm-ic-interest-calc-services	oblm-ic-interest-calc-services-1.0.3.war	\\OBLM_IC_SERVICES\oblm-ic-interest-calc-services\APP\ARCHIVE	OBLM IC Interest Calc Server
oblm-ic-interest-input-services	oblm-ic-interest-input-services-1.0.3.war	\\OBLM_IC_SERVICES\oblm-ic-interest-input-services\APP\ARCHIVE	OBLM IC Interest Input Server
oblm-ic-interest-liquidation-services	oblm-ic-interest-liquidation-services-1.0.3.war	\\OBLM_IC_SERVICES\oblm-ic-interest-liquidation-services\APP\ARCHIVE	OBLM IC Interest Liquidation Server
oblm-ic-interest-maintqueue-services	oblm-ic-interest-maintqueue-services-1.0.3.war	\\OBLM_IC_SERVICES\oblm-ic-interest-maintqueue-services\APP\ARCHIVE	OBLM IC Interest Maint queue Server
oblm-ic-interest-query-services	oblm-ic-interest-query-services-1.0.3.war	\\OBLM_IC_SERVICES\oblm-ic-interest-query-services\APP\ARCHIVE	OBLM IC Interest Query Server
oblm-ic-interest-resolve-services	oblm-ic-interest-resolve-services-1.0.3.war	\\OBLM_IC_SERVICES\oblm-ic-interest-resolve-services\APP\ARCHIVE	OBLM IC Interest Resolve Server
oblm-ic-charge-calc-services	oblm-ic-charge-calc-services-1.0.3.war	\\OBLM_IC_SERVICES\oblm-ic-charge-calc-services\APP\ARCHIVE	OBLM IC Charge Calc Server



### 5.3 **Steps to Deploy as Application**

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 Restarting Servers

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

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## 7. Logging Area

### 7.1 Introduction

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

#### Logging Area

##### 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 OBIC 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/oblm/logs** and this path has to be configured in setDomainEnv.sh as `-Dplato.service.logging.path=/scratch/oblm/logs`



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