Oracle Banking SCF Management
Services Installation Guide
Release 14.3.0.0.0
Part No. F20920-01
[May] [2019]

ORACLE
FINANCIAL SERVICES

ORACLE

Table of Contents

1. Preface

1.1 Introduction

This guide helps you to install the OBSCF 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 OBSCF 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.

- obscf-account-maintenance-services
- obscf-core-services
- obscf-finance-services
- obscf-invoice-acceptance-batch
- obscf-invoice-upload-batch
- obscf-invoicing-services
- obscf-limit-maintenance-services
- obscf-master-maintenance-services
- obscf-non-customer-services
- obscf-recon-maintenance-services
- obscf-auto-recon-batch
- obscf-eod-batch
- obscf-payment-upload-batch
- obscf-report-services

1.5 Related Documents

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

ORACLE

2. Database Setup

2.1 Introduction

In this section you are going to setup database related configuration for OBSCF 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 OBSCF schemas are 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.

DDL:

Service Name	From-Path	Compile To
obscf-account-maintenance-services	OBSCF_SERVICES\obscf-core-services\DB\DOMAIN\DDL	OBSCF-ACCOUNTING
obscf-core-services	OBSCF_SERVICES\obscf-core-services\DB\DOMAIN\DDL	OBSCF-CORE
obscf-finance-services	OBSCF_SERVICES\obscf-finance-services\DB\DOMAIN\DDL	OBLM-FINANCE
obscf-invoicing-services	OBSCF_SERVICES\obscf-invoicing-services\DB\DOMAIN\DDL	OBSCF-INVOICING

ORACLE

obscf-limit-maintenance-services	OBSCF_SERVICES\obscf-limit-maintenance-services\DB\DOMAIN\DDL	OBSCF-LIMIT-UTILIZ
obscf-master-maintenance-services	OBSCF_SERVICES\obscf-master-maintenance-services\DB\DOMAIN\DDL	OBSCF-MAINTENANCE
obscf-non-customer-services	OBSCF_SERVICES\obscf-non-customer-services\DB\DOMAIN\DDL	OBSCF-NON-CUSTOMER
obscf-recon-maintenance-services	OBSCF_SERVICES\obscf-recon-maintenance-services\DB\DOMAIN\DDL	OBSCF-RECON
obscf-report-services	OBSCF_SERVICES\obscf-report-services\DB\DOMAIN\DDL	OBSCF-REPORT

INC:

Service Name	From-Path	Compile To
obscf-account-maintenance-services	OBSCF_SERVICES\obscf-account-maintenance-services\DB\PLATO\INC	Plato Schema
	OBSCF_SERVICES\obscf-account-maintenance-services\DB\SMS\INC	SMS Schema
	OBSCF_SERVICES\obscf-account-maintenance-services\DB\DOMAIN\INC	OBSCF-ACCOUNTING Schema

obscf-core-services	OBSCF_SERVICES\obscf-core-services\DB\PLATO\INC	Plato Schema
	OBSCF_SERVICES\obscf-core-services\DB\SMS\INC	SMS Schema
	OBSCF_SERVICES\obscf-core-services\DB\DOMAIN\INC	OBSCF-CORE Schema
obscf-finance-services	OBSCF_SERVICES\obscf-finance-services\DB\PLATO\INC	Plato Schema
	OBSCF_SERVICES\obscf-finance-services\DB\SMS\INC	SMS Schema
	OBSCF_SERVICES\obscf-finance-services\DB\DOMAIN\INC	OBSCF Finance Schema
obscf-invoicing-services	OBSCF_SERVICES\obscf-invoicing-services\DB\PLATO\INC	Plato Schema
	OSDC_OBSCF_14.3.0.0.0\OBSCF_SERVICES\obscf-invoicing-services\DB\SMS\INC	SMS Schema

	OBSCF_SERVICES\obscf-invoicing-services\DB\DOMAIN\INC	OBSCF-INVOICING
obscf-limit-maintenance-services	OBSCF_SERVICES\obscf-limit-maintenance-services\DB\PLATO\INC	Plato Schema
	OBSCF_SERVICES\obscf-limit-maintenance-services\DB\SMS\INC	SMS Schema
	OBSCF_SERVICES\obscf-limit-maintenance-services\DB\DOMAIN\INC	OBSCF Limit utiliz Schema
obscf-master-maintenance-services	OBSCF_SERVICES\obscf-master-maintenance-services\DB\PLATO\INC	Plato Schema
	OBSCF_SERVICES\obscf-master-maintenance-services\DB\SMS\INC	SMS Schema
	OBSCF_SERVICES\obscf-master-maintenance-services\DB\DOMAIN\INC	OBSCF Maintenance Schema
obscf-non-customer-services	OBSCF_SERVICES\obscf-non-customer-services\DB\PLATO\INC	Plato Schema
	OBSCF_SERVICES\obscf-non-customer-services\DB\SMS\INC	SMS Schema
	OBSCF_SERVICES\obscf-non-customer-services\DB\DOMAIN\INC	OBSCF Non Customer Schema
obscf-recon-maintenance-services	OBSCF_SERVICES\obscf-recon-maintenance-services\DB\PLATO\INC	Plato Schema
	OBSCF_SERVICES\obscf-recon-maintenance-services\DB\SMS\INC	SMS Schema
	OBSCF_SERVICES\obscf-recon-maintenance-services\DB\DOMAIN\INC	OBSCF recon Schema
	OBSCF_SERVICES\obscf-report-services\DB\DOMAIN\INC	OBSCF report schema
	OBSCF_SERVICES\obscf-report-services\DB\PLATO\INC	Plato Schema
obscf-report-services	OBSCF_SERVICES\obscf-report-services\DB\SMS\INC	SMS Schema

3. Domains & Cluster Configuration

3.1 OBSCF Service Domains Configuration

3.1.1 Prerequisite

- Database setup for all the modules viz. Plato, SMS, Common Core, OBSCF Services and all Day-0 setups must be completed. **(Required)**
- Plato, SMS & Common core deployments are up & running. **(Required)**
- Machine should have Java JDK 1.8 Update 202 has installed.
- Oracle Fusion Middleware Infrastructure 12.2.1.3.0 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: obscf

- ☐ obscf_account_maintenance_cluster
  - managed_server1
- ❖ obscf_core_cluster
  - managed_server2
- ❖ obscf_finance_cluster
  - managed_server3
- ❖ obscf_invoicing_cluster
  - managed_server4
- ❖ obscf_limit_maintenance_cluster
  - managed_server5
- ❖ oblm_master_maintenance_cluster
  - managed_server6

- ☐ obscf_non_customer_services
  - managed_server7
- ❖ obscf_recon_maintenance_cluster
  - managed_server8
- ❖ obscf_report_service_cluster
  - managed_server9

4. Data Sources Creation

4.1 Prerequisite

- Database schemas for all OBSCF 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.

Service Name	Data Source Name	Data Source JNDI	Target
obscf-account-maintenance-services	PLATO	jdbc/PLATO	OBSCF Managed Server1
	OBSCF_ACCOUNTING	jdbc/OBSCF_ACCOUNTING	
obscf-core-services	PLATO	jdbc/PLATO	OBSCF Managed Server2
	OBSCF_CORE	jdbc/OBSCF_CORE	
obscf-finance-services	PLATO	jdbc/PLATO	OBSCF Managed Server3
	OBSCF_FINANCE	jdbc/OBSCF_FINANCE	
obscf-invoicing-services	PLATO	jdbc/PLATO	OBSCF Managed Server4
	OBSCF_INVOICING	jdbc/OBSCF_INVOICING	
obscf-limit-maintenance-services	PLATO	jdbc/PLATO	OBSCF Managed Server5
	OBSCF_LIMIT_MAINT	jdbc/OBSCF_LIMIT_MAINT	
obscf-master-maintenance-services	PLATO	jdbc/PLATO	OBSCF Managed Server6
	OBSCF_SYSTEM	jdbc/OBSCF_SYSTEM	
obscf-non-customer-services	PLATO	jdbc/PLATO	OBSCF Managed Server7
	OBSCF_NON_CUSTOMER	jdbc/OBSCF_NON_CUSTOMER	

ORACLE

obscf-recon-maintenance-services	PLATO	jdbc/PLATO	OBSCF Managed Server8
	OBSCF-AUTO-RECON	jdbc/OBSCF_AUTO_RECON	
	PLATO	jdbc/PLATO	OBSCF Managed Server9
obscf-report-services	OBSCF-REPORT	jdbc/OBSCF_REPORT	

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

5. Deployments

5.1 <u>Prerequisite</u>

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

5.2 <u>Deployment List</u>

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

Application	Archive Name	OSDC Path	Target
obscf-account-maintenance-services	obscf-account-maintenance-services1.0.0.war	OBSCF_SERVICES\obscf-account-maintenance-services\APP	OBSCF Managed Server1
obscf-core-services	obscf-core-services-1.0.0.war	OSDC_OBSCF_14.3.0.0.0\OBSCF_SERVICES\obscf-core-services\APP	OBSCF Managed Server2
obscf-finance-services	obscf-finance-services-1.0.0.war	OBSCF_SERVICES\obscf-finance-services\APP	OBSCF Managed Server3
obscf-invoicing-services	obscf-invoicing-services-1.0.0.war	OBSCF_SERVICES\obscf-invoicing-services\APP	OBSCF Managed Server4
obscf-limit-maintenance-services	obscf-limit-maintenance-services-1.0.0.war	OBSCF_SERVICES\obscf-limit-maintenance-services\APP	OBSCF Managed Server5
obscf-master-maintenance-services	obscf-master-maintenance-services-1.0.0.war	OBSCF_SERVICES\obscf-master-maintenance-services\APP	OBSCF Managed Server6

obscf-non-customer-services	obscf-non-customer-services-1.0.0.war	OBSCF_SERVICES\obscf-non-customer-services\APP	OBSCF Managed Server7
obscf-recon-maintenance-services	obscf-recon-maintenance-services-1.0.0.war	OBSCF_SERVICES\obscf-recon-maintenance-services\APP	OBSCF Managed Server8
obscf-report-services	obscf-report-services-1.0.0.war	OSDC_OBSCF_14.3.0.0.0\OBSCF_SERVICES\obscf-report-services\APP	OBSCF Managed Server9

5.3 <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 OBSCF Applications in WebLogic server.

<u>Logging Area</u>

OBSCF Application writes logs in the below area of the server:
<WEBLOGIC_DOMAIN_CONFIG_AREA/servers/OBSCFAPP/logs/OBSCFAPP.out

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

ORACLE

ORACLE

Services Installation Guide
Oracle Banking SCF Management
Version 14.3.0.0.0
[May] [2019]

Oracle Financial Services Software Limited
Oracle Park
Off Western Express Highway
Goregaon (East)
Mumbai, Maharashtra 400 063
India

Worldwide Inquiries:
Phone: +91 22 6718 3000
Fax:+91 22 6718 3001
www.oracle.com/financialservices/