Oracle Banking Supply Chain Finance Services Installation Guide
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FINANCIAL SERVICES

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Plato Infrastructure Services Installation Guide

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1. Preface

1.1 <u>Introduction</u>

This guide would help you to install the SCF 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 SCF services.

1.2 <u>Audience</u>

This document is intended for WebLogic admin or ops-web team who are responsible for installing the OFSS banking products.

1.3 <u>Documentation Accessibility</u>

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 <u>Organization</u>

This installation user guide would allow you to install following services

- obscfcm-account-maintenance-services

- obscf-eod-batch

- obscfcm-charge-services

- obscfcm-core-services

- obscfcm-auto-recon-batch

- obscfcm-filter-services

- obscf-finance-services

- obscfcm-instruments-receivables-services

- obscf-limit-maintenance-services

- obscf-limit-services

- obscfcm-recon-maintenance-services

- obscfcm-manual-recon-services

- obscfcm-master-maintenance-services

- obscf-core-services

- obscf-report-services

- obscfcm-report-services

- obscfcm-workflow-management-service

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2. Database Setup

2.1 Introduction

In this section you are going to setup database related configuration for SCF Installation. Before you proceed with the document, ensure Schema's are being created. It is recommended to have different schema for each application.

3. Domain and Cluster Configuration

3.1 Plato Infrastructure Domain Configuration

3.1.1 Prerequisites

- Machine should have Java JDK1.8.0_241 has installed.
- Oracle Fusion Middleware 12cR2 12.2.1.4 has to be installed on the machine.
- Plato, common core, sms services are up and running

3.1.2 Domain Creation and Configuration

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. Database Schema Creation

Create the following database schemas:

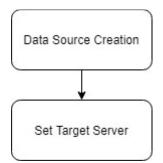| #	Database Schema Name
1	OBSCFCM_ACCOUNTING
2	OBSCFCM_CHARGES
3	OBSCF_BATCH
4	OBSCFCM_CORE_SERVICES
5	OBSCFCM_FILTER
6	OBSCF_FINANCE
7	OBSCFCM_INSTRUMENTS
8	OBSCF_LIMIT_UTILIZ
9	OBSCFCM_RECON
10	OBSCFCM_MASTER_MAINTENANCE
11	OBSCF_CORE
12	OBSCF_REPORT
13	OBSCFCM_REPORT
14	OBSCFCM_WORKFLOWS_CONDUCTOR

For help in creating database schemas, refer to **ANNEXURE-1** section **Database schema creation.**

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5. Data Sources Creation

5.1 Prerequisite

Database and application setup for OBSCF services has to be performed prior to deployment setup.The data sources for the respective micro-services must be created first before the application deployment. Each of the data source target to their corresponding servers on which the application will be deployed. The following sections explain the list of data sources required to be created for OBSCF services and the steps to configure them in the server.

5.2 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.

Note that in addition to the below datasources, the PLATO datasource is required to be created and mapped to all the managed servers.

Service Name	Data Source Name	Mapped Database Schema	Data source JNDI
account-maintenance-service	OBSCFCM_ACCOUNTING	OBSCFCM_ACCOUNTING	jdbc/OBSCFCM_ACCOUNTING
auto-recon-batch	PLATOBATCH	OBSCF_BATCH	jdbc/PLATOBATCH
charges-service	OBSCFCM_CHARGES	OBSCFCM_CHARGES	jdbc/OBSCFCM_CHARGES
core-services	OBSCFCM_CORE_SERVICES	OBSCFCM_CORE_SERVICES	jdbc/OBSCFCM_CORE_SERVICES
eod-batch	PLATOBATCH	OBSCF_BATCH	jdbc/PLATOBATCH
Filter-services	OBSCFCM_FILTER	OBSCFCM_FILTER	jdbc/OBSCFCM_FILTER
Finance-services	OBSCF_FINANCE	OBSCF_FINANCE	jdbc/OBSCF_FINANCE
Instruments-receivable-services	OBSCFCM_INSTRUMENTS	OBSCFCM_INSTRUMENTS	jdbc/OBSCFCM_INSTRUMENTS
	PLATOFEED	PLATO_FEED	jdbc/PLATOFEED
Limit-maintenance-services	OBSCF-LIMIT	OBSCF_LIMIT_UTILIZ	jdbc/OBSCF_LIMIT_MAINT
Limits-services	OBSCF-LIMIT	OBSCF_LIMIT_UTILIZ	jdbc/OBSCF_LIMIT_MAINT

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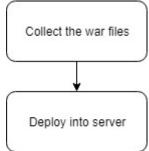|			
Manual-recon-services	OBSCFCM_RECON	OBSCFCM_RECON	jdbc/OBSCFCM_RECON
Master-maintenance-services	OBSCFCM_MAINTENANCE	OBSCFCM_MASTER_MAINTENANCE	jdbc/OBSCFCM_MAINTENANCE
Obscf-core-services	OBSCF_CORE	OBSCF_CORE	jdbc/OBSCF_CORE
Obscf-report-services	OBSCF-REPORT	OBSCF_REPORT	jdbc/OBSCF_REPORT
Recon-maintenance-service	OBSCFCM_RECON	OBSCFCM_RECON	jdbc/OBSCFCM_RECON
Report-services	OBSCFCM_REPORT	OBSCFCM_REPORT	jdbc/OBSCFCM_REPORT
Workflow-management-services	OBSCFCM_WORKFLOWS_CONDUCTOR	OBSCFCM_WORKFLOWS_CONDUCTOR	jdbc/OBSCFCM_WORKFLOWS_CONDUCTOR

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

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6. Deployments

6.1 Pre-requisite

The database setup and data sources creation have to be performed prior to the application deployment stage. Each of the services corresponds to a specific war file that needs to be deployed into the server. The following sections explain the list of war files of the OBSCF service and the steps to deploy them into the server.

Environment variables need to be set. Refer **ANNEXURE-1**.
For any issues with fly configuration setup, Refer **ANNEXURE-2**.
For OBSCF environment variables setup, Refer **OBSCF - Environment Variable Setup Guide Section 2.3**.

6.2 Deployments List

Below table give details of the deployments required on each Server for the Plato application to run. Deploy one after other in the same given order.
Note: Prior to deploying workflow-management-service make sure conductor-server and plato-orch services are deployed in their respective domains

Application	Archive name	OSDC path	Targets
obscfcm-account-maintenance-services	obscfcm-account-maintenance-services-5.1.0.war	OBSCF_OSDC_14.4.0.0.1\OBSCF_SERVICES\obscfcm-account-maintenance-services-5.1.0\ARCHIVE	OBSCF account maintenance managed server
obscf-eod-batch	obscf-eod-batch-5.1.0.war	OBSCF_OSDC_14.4.0.0.1\OBSCF_SERVICES\obscf-eod-batch-5.1.0\ARCHIVE	OBSCF EOD Batch managed server
obscfcm-auto-recon-batch	obscfcm-auto-recon-batch-5.1.0.war	OBSCF_OSDC_14.4.0.0.1\OBSCF_SERVICES\obscf-auto-recon-batch-5.1.0\ARCHIVE	OBSCF auto recon managed server
obscfcm-charge-services	obscfcm-charge-services-5.1.0.war	OBSCF_OSDC_14.4.0.0.1OBSCF_SERVICE\obscfcm-charge-services-5.1.0\ARCHIVE	OBSCF charge services managed server

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obscfcm-core-services	obscfcm-core-services-5.1.0.war	OBSCF_OSDC_14.4.0.0.1OBSCF_SERVICE\obscfcm-core-services-5.1.0\ARCHIVE	OBSCF core services managed server
obscfcm-filter-services	obscfcm-filter-services -5.1.0.war	OBSCF_OSDC_14.4.0.0.1\OBSCF_SERVICES\obscfcm-filter-services-5.1.0\ARCHIVE	OBSCF filter services managed server
obscfcm-instruments-receivable-services	obscfcm-instruments-receivable-services- 5.1.0.war	OBSCF_OSDC_14.4.0.0.1\OBSCF_SERVICES\ obscfcm-instruments-receivable-services-5.1.0\ARCHIVE	OBSCF instruments managed server
obscfcm-master-maintenance-services	obscfcm-master-maintenance-services -5.1.0.war	OBSCF_OSDC_14.4.0.0.1\OBSCF_SERVICES\obscfcm-master-maintenance-services-5.1.0\ARCHIVE	OBSCF master maintenance managed server
obscfcm-recon-maintenance-services	obscfcm-recon-maintenance-services-5.1.0	OBSCF_OSDC_14.4.0.0.1\OBSCF_SERVICES\obscfcm-recon-maintenance-services-5.1.0\ARCHIVE	OBSCF recon maintenance managed server
obscfcm-manual-recon-services	obscfcm-manual-recon-services-5.1.0	OBSCF_OSDC_14.4.0.0.1\OBSCF_SERVICES\obscfcm-manual-recon-services-5.1.0\ARCHIVE	OBSCF manual recon managed server
obscfcm-report-services	obscfcm-report-services-5.1.0	OBSCF_OSDC_14.4.0.0.1\OBSCF_SERVICES\obscfcm-report-services-5.1.0\ARCHIVE	OBSCF report managed server
obscfcm-workflow-management-services	obscfcm-workflow-management-services-5.1.0	OBSCF_OSDC_14.4.0.0.1\OBSCF_SERVICES\obscfcm-workflow-management-services-5.1.0\ARCHIVE	OBSCF workflow management managed server
obscf-core-services	obscf-core-services-5.1.0	OBSCF_OSDC_14.4.0.0.1\OBSCF_SERVICES obscf-core-services-5.1.0\ARCHIVE	OBSCF core services managed server
obscf-finance-services	obscf-finnace-services-5.1.0	OBSCF_OSDC_14.4.0.0.1\OBSCF_SERVICES\obscf-finance-services -5.1.0\ARCHIVE	OBSCF finance services managed server
obscf-limit-maintenance-services	obscf-limit-maintenance-services-5.1.0	OBSCF_OSDC_14.4.0.0.1\OBSCF_SERVICES\ obscf-limit-maintenance-services-5.1.0\ARCHIVE	OBSCF limit maintenance managed server
obscf-limits-services	obscf-limits-services-5.1.0	OBSCF_OSDC_14.4.0.0.1\OBSCF_SERVICES\obscf-limits-services -5.1.0\ARCHIVE	OBSCF limit services managed server

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			OBSCF report services managed server
obscf-report-services	obscf-report-services-5.1.0	OBSCF_OSDC_14.4.0.0.1\OBSCF_SERVICES\obscf-report-services -5.1.0\ARCHIVE	

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

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

7. Restarts and Refresh

Once everything is deployed, the managed servers. And for each application call path "/refresh" for refreshing the configuration properties.

7.1 <u>Restarting Servers</u>

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

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8. Logging Area

8.1 Introduction

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

8.2 Logging Area

Plato Application writes logs in the below area of the server-
<WEBLOGIC_DOMAIN_CONFIG_AREA>/ logs/plato-api-gateway.log
Let's assume a domain has been created **scf_domain** in the following area of the server "/scratch/oracle/middleware/user_projects/domains/platoinfra_domain". Logging area for Plato would be **/scratch/oracle/middleware/user_projects/domains/scf_domain/logs.**

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