Oracle® Banking Supply Chain Finance

Services Installation Guide

Release 14.7.3.0.0

ORACLE®

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Preface

Purpose

This guide helps to install the Oracle Banking Supply Chain Finance services on designated environment. It is assumed that all the prior setups for WebLogic installation, WebLogic managed server creation, and Oracle DB installation are completed.

Audience

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

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Related Resources

For more information, refer to the following resources:

- *Oracle® Banking Supply Chain Finance Pre-Installation Guide*
- *Oracle® Banking Supply Chain Finance Environment Variable Setup Guide*
- *Oracle® Banking Supply Chain Finance User Interface Installation Guide*
- *Configuration and Deployment Guide*

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Screenshot Disclaimer

Personal information used in the interface or documents is dummy and does not exist in the real world. It is only for reference purposes.

Acronyms and Abbreviations

The list of the acronyms and abbreviations used in this guide are as follows:

Table 1   Acronyms and Abbreviations

Abbreviation	Description
SMS	Security Management System
CMC	Common Core
OBSCF	Oracle Banking Supply Chain Finance
OBSCFCM	Oracle Banking Supply Chain Finance and Cash Management
EOD	End of Day
JDK	Java Development Kit
OSDC	Oracle Software Delivery Cloud

1
Database Setup

Prerequisites

Before proceeding with the below setup, make sure that the required schemas are created. It is recommended to create a different schema for each application.

Database Schema Creation

Create the following database schemas. These schema names are recommended, but not mandatory.

- PLATO
- PLATOALERTS
- PLATOBATCH
- PLATOFEED
- PLATOORCH
- PLATORULE
- PLATOREPORTSERVICE
- PLATOSEC
- PLATOTRANSPORT
- PLATOUI
- PLATO_PASSWORD
- SMS
- CMNCORE
- CONDUCTOR
- OBRC
- OBSCFADMIN
- OBSCFADMINSYS
- OBSCFCM_ACCOUNTING
- OBSCFCM_ALERTS
- OBSCFCM_CHARGES
- OBSCFCM_CORE_SERVICES
- OBSCFCM_FILE_PROCESSING
- OBSCFCM_FILTER
- OBSCFCM_INSTRUMENTS
- OBSCFCM_MAINTENANCE

- OBSCFCM_RECON
- OBSCFCM_REPORT
- OBSCFCM_WORKFLOWS_CONDUCTOR
- OBSCF_BATCH
- OBSCF_CORE
- OBSCF_FINANCE
- OBSCF_LIMIT_UTILIZ
- OBSCF_REPORT
- OBSCF_FCI_MESSAGES
- OBSCF_ISLAMIC_INSTRUMENTS

> **Note:**
>
> For creating database schemas, refer to **Database Schema Creation** section in ***Configuration and Deployment Guide***.

2

Product Installation using Installer

This topic describes the systematic information to install Oracle Banking Supply Chain Finance application using Installer.

Prerequisite

Before proceeding with installation setup, make sure that the database installation is completed and required schemas are created.

Installer Path

The following table provides the path of the installer in OSDC Package.

Application	Archive Name	OSDC Path
Oracle Banking Microservices Architecture	obma.zip	OBSCF_{release number}/ Installer
Oracle Banking Supply Chain Finance	obscf.zip	
Oracle Banking Supply Chain Finance and Cash Management	obscfcm.zip	

> **Note:**
>
> For the release number, refer to the OSDC file available as a part of the release.

> **Note:**
>
> To install the application using installer, refer to **Oracle Banking Microservices Architecture Installer Guide**.

3
Domain and Cluster Configuration

Prerequisite

- Oracle Banking Microservices Architecture, SMS, and Common Core deployments are up and running **(Required)**.
- The machine must have Java JDK installed.
- The machine must have Oracle Fusion Middleware Infrastructure installed.

> **Note:**
>
> For the exact version to be installed, refer to the **Tech Stack** section in *Release Notes*.

Domain Creation and Configuration

It is recommended to have different managed server in one domain for each application.

> **Note:**
>
> For creating domain and cluster configuration, refer to **Create Domain and Cluster Configuration** section in *Configuration and Deployment Guide*.

4

Data Source Creation

Prerequisite

Before proceeding with deployment setup, make sure that the database and application setup for Oracle Banking Microservices Architecture is completed.

Data Source Creation in WebLogic

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 Oracle Banking Supply Chain Finance services and the steps to configure them in the server.

Figure 4-1   Data Source Creation
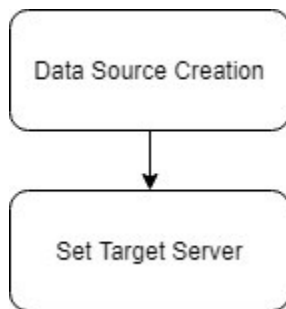
Data sources List

Database Connection Pool size to be defined - Oracle Banking Supply Chain Finance services pool configuration should be consistent with Plato services.

The following list of the data sources must be created on each domain before deployment of the applications onto the managed servers.

Table 4-1   Data Sources List

Application	Data Source Name	Mapped Database Schema	Data source JNDI
obscfcm-account-maintenance	OBSCFCM_ACCOUNTING	OBSCFCM_ACCOUNTING	jdbc/OBSCFCM_ACCOUNTING
obscfcm-alerts-services	OBSCFCM_ALERTS	OBSCFCM_ALERTS	jdbc/OBSCFCM_ALERTS
obscfcm-eod-batch	EODBATCH	OBSCF_BATCH	jdbc/EODBATCH
	EOD	OBSCF_BATCH	jdbc/EOD

Table 4-1   (Cont.) Data Sources List

Application	Data Source Name	Mapped Database Schema	Data source JNDI
	PLATO_BATCH	PLATO_BATCH	jdbc/PLATOBATCH
obscfcm-auto-recon-batch	PLATO_BATCH	PLATO_BATCH	jdbc/PLATOBATCH
	AUTORECONBATCH	OBSCFCM_RECON	jdbc/ AUTORECONBATCH
obscfcm-charges-services	OBSCFCM_CHARGES	OBSCFCM_CHARGES	jdbc/ OBSCFCM_CHARGES
obscfcm-core-services	OBSCFCM_CORE_SERVICES	OBSCFCM_CORE_SERVICES	jdbc/ OBSCFCM_CORE_SERVICES
obscfcm-filter-services	OBSCFCM_FILTER	OBSCFCM_FILTER	jdbc/ OBSCFCM_FILTER
obscfcm-instruments-receivables-services	OBSCFCM_INSTRUMENTS	OBSCFCM_INSTRUMENTS	jdbc/ OBSCFCM_INSTRUMENTS
obscfcm-manual-recon-services	OBSCFCM_RECON	OBSCFCM_RECON	jdbc/ OBSCFCM_RECON
obscfcm-report-services	OBSCFCM_REPORT	OBSCFCM_REPORT	jdbc/ OBSCFCM_REPORT
obscfcm-workflow-management-services	OBSCFCM_WORKFLOWS_CONDUCTOR	OBSCFCM_WORKFLOWS_CONDUCTOR	jdbc/ OBSCFCM_WORKFLOWS_CONDUCTOR
obscfcm-mastermaintenance-services	OBSCFCM_MAINTENANCE	OBSCFCM_MAINTENANCE	jdbc/ OBSCFCM_MAINTENANCE
obscfcm-batch-jobs	OBSCFCM-BATCH-JOBS	OBSCFCM-BATCH-JOBS	jdbc/OBSCFCM-BATCH-JOBS
obscf-core-services	OBSCF_CORE	OBSCF_CORE	jdbc/OBSCF_CORE
obscf-finance-services	OBSCF_FINANCE	OBSCF_FINANCE	jdbc/OBSCF_FINANCE
obscf-limits-services	OBSCF_LIMIT_UTILIZ	OBSCF_LIMIT_UTILIZ	jdbc/ OBSCF_LIMIT_UTILIZ
obscf-report-services	OBSCF_REPORT	OBSCF_REPORT	jdbc/OBSCF_REPORT
obscf-islamic-instruments-services	OBSCF_ISLAMIC_INSTRUMENTS	OBSCF_ISLAMIC_INSTRUMENTS	jdbc/OBSCF-ISLAMIC-INSTRUMENTS
obscf-fci-messaging-service	OBSCF_FCI_MESSAGES	OBSCF_FCI_MESSAGES	jdbc/ OBSCF_FCI_MESSAGES
plato-password-policy-service	PLATO_PASSWORD	PLATO_PASSWORD	jdbc/ PLATO_PASSWORD
To be mapped with all managed servers	PLATO	PLATO	jdbc/PLATO
	PLATO_UI	PLATOUI	jdbc/ PLATO_UI_CONFIG
	PLATOFEED	PLATOFEED	jdbc/PLATOFEED
	PLATO_SECURITY	PLATO_SECURITY	jdbc/ PLATO_SECURITY
	SMS	SMS	jdbc/sms
	CMNCORE	CMNCORE	jdbc/CMNCORE

> **Note:**
>
> For creating data source, refer to the **Create Datasource** section in *Configuration and Deployment Guide*.

5
Deployments

Prerequisite

Before proceeding with deployment setup, make sure that the database and application setup is completed.

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 Oracle Banking Supply Chain Finance service and the steps to deploy them into the server.

- For any issues with fly configuration setup, refer to *High Availability Setup Guide*.

- For Oracle Banking Supply Chain Finance environment variables setup, refer to *Environment Variable Setup Guide*.

- If `obscf-eod-batch` is already deployed, bring it down and deploy `obscfcm-eod-batch` provided in the deployment list.

Deployments List

The following table provides the details of the deployments required on each Server for the Plato application to run. Deploy one after other in the same given order.

> **Note:**
>
> INFRA prerequisites should be available before proceeding with the Application deployment process.

Application Startup and Deployment Sequence for new installation or Upgrades.

- **PLATO Domain** - All Plato Infrastructure Services and Plato Services should be deployed as per respective installation document.

- **Common Core** - All SMS, Common Core, and Mid-Office Common Core services should be deployed as per respective installation document.

- **Domain services** - All the services can be deployed in any order, except the following which must be deployed at the end in the same given order.
  1. obscfcm-master-maintenance
  2. obscfcm-day0-service
  3. obscf-day0-service

- The recommended list of managed server names and the application distribution on the targets are listed below.

> **Note:**
>
> The managed server targets are not mandatory, if they are configured as per the sizing recommendations during the implementation phase.

Table 5-1   Deployments List

Application	Archive name	OSDC path	Targets
obscf-core-services	obscf-core-services-{version}.war	OBSCF_OSDC_{release}\OBSCF_SERVICES\obscf-core-services-{version}\ARCHIVE	obscf_ms_2
obscf-finance-services	obscf-finance-services-{version}.war	OBSCF_OSDC_{release}\OBSCF_SERVICES\obscf-finance-services-{version}\ARCHIVE	obscf_ms_1
obscf-limits-services	obscf-limits-services-{version}.war	OBSCF_OSDC_{release}\OBSCF_SERVICES\obscf-limits-services -{version}\ARCHIVE	obscf_ms_1
obscf-report-services	obscf-report-services-{version}.war	OBSCF_OSDC_{release}\OBSCF_SERVICES\obscf-report-services -{version}\ARCHIVE	obscf_ms_1
obscf-day0-service	obscf-day0-service-{version}.war	OBSCF_OSDC_{release}\OBSCF_SERVICES\obscf-day0-service-{version}\ARCHIVE	OBSCFDAY0
obscf-fci-messaging-service	obscf-fci-messaging-service-{version}.war	OBSCF_OSDC_{release}\OBSCF_SERVICES\obscf-fci-messaging-service-{version}.war\ARCHIVE	obscf_ms_1
obscf-islamic-instruments-services	obscf-islamic-instruments-services-{version}.war	OBSCF_OSDC_{release}\OBSCF_SERVICES\obscf-islamic-instruments-services-{version}.war\ARCHIVE	obscf_ms_1
obscfcm-account-maintenance-services	obscfcm-account-maintenance-services-{version}.war	OBSCF_OSDC_{release}\OBCM_SERVICES\obscfcm-account-maintenance-services-{version}\ARCHIVE	obscfcm_ms_1

Table 5-1   (Cont.) Deployments List

Application	Archive name	OSDC path	Targets
obscfcm-alerts-services	obscfcm-alerts-services-{version}.war	OBSCF_OSDC_{release}\OBCM_SERVICES\obscfcm-alerts-services-{version}\ARCHIVE	obscfcm_ms_1
obscfcm-batch-jobs	obscfcm-batch-jobs-{version}.war	OBSCF_OSDC_{release}\OBCM_SERVICES\obscfcm-batch-jobs-{version}\ARCHIVE	obscfcm_ms_1
obscfcm-chatbot-services	obscfcm-chatbot-services-{version}.war	OBSCF_OSDC_{release}\OBCM_SERVICES\obscfcm-chatbot-services-{version}\ARCHIVE	obscfcm_ms_1
obscfcm-eod-batch	obscfcm-eod-batch-{version}.war	OBSCF_OSDC_{release}\OBCM_SERVICES\obscfcm-eod-batch-{version}\ARCHIVE	obscfcm_ms_1
obscfcm-auto-recon-batch	obscfcm-auto-recon-batch-{version}.war	OBSCF_OSDC_{release}\OBCM_SERVICES\obscfauto-recon-batch-{version}\ARCHIVE	obscfcm_ms_2
obscfcm-charges-services	obscfcm-charges-services-{version}.war	OBSCF_OSDC_{release}OBCM_SERVICE\obscfcm -charges-services-{version}\ARCHIVE	obscfcm_ms_2
obscfcm-core-services	obscfcm-coreservices-{version}.war	OBSCF_OSDC_{release}OBCM_SERVICE\obscfcm -core-services-{version}\ARCHIVE	obscfcm_ms_2
obscfcm-filter-services	obscfcm-filter-services-{version}.war	OBSCF_OSDC_{release}\OBCM_SERVICES\obscfcm-filter-services-{version}\ARCHIVE	obscfcm_ms_2
obscfcm-instruments-receivables-services	obscfcm-instruments-receivables-services-{version}.war	OBSCF_OSDC_{release}\OBCM_SERVICES\obscfcm-instruments-receivables-services-{version}\ARCHIVE	obscfcm_ms_2

Table 5-1   (Cont.) Deployments List

Application	Archive name	OSDC path	Targets
obscfcm-manual-reconservices	obscfcm-manual-recon-services-{version}.war	OBSCF_OSDC_{release}\OBCM_SERVICES\obscfcm-manual-recon-services-{version}\ARCHIVE	obscfcm_ms_3
obscfcm-report-services	obscfcm-report-services-{version}.war	OBSCF_OSDC_{release}\OBCM_SERVICES\obscfcm-report-services-{version}\ARCHIVE	obscfcm_ms_3
obscfcm-workflowmanagement--services	obscfcm-workflowmanagement services-{version}.war	OBSCF_OSDC_{release}\OBCM_SERVICES\obscfcm-workflow-management-services7.2.0\ARCHIVE	obscfcm_ms_3
obscfcm-master-maintenance-services	obscfcm-master-maintenance-services-{version}.war	OBSCF_OSDC_{release}\OBCM_SERVICES\obscfcm-master-maintenance-services-{version}\ARCHIVE	obscfcm_ms_3
obscfcm-workflow-management-services	obscfcm-workflow-management-services-{version}.war	OBSCF_OSDC_{release}\OBCM_SERVICES\obscfcm-workflow-management-services-{version}\ARCHIVE	obscfcm_ms_3
obscfcm-day0-service	obscfcm-day0-service-{version}.war	OBSCF_OSDC_{release}\OBCM_SERVICES\obscfcm-day0-service-{version}\ARCHIVE	obscfcm_DAY0

> **Note:**
>
> For the exact version of the archive name, and release numbers, refer to the OSDC file available as a part of the release.

> **Note:**
>
> To deploy the application, refer to the **Deploy Application** section in *Configuration and Deployment Guide*.

6

Conductor Process Installation

This topic helps to install the Oracle Banking Supply Chain Finance Conductor based process on designated environment. It is assumed that all the prior setup is already done related to Netflix Conductor.

This topic contains the following subtopics:

- Conductor Processes
- Steps to Deploy

6.1 Conductor Processes

In conductor, workflows are defined using a JSON based DSL and includes a set of tasks that are executed as part of the workflows. The tasks are either system tasks or simple tasks (aka worker tasks). These simple/worker tasks are implemented by application(s) and run in a separate environment from Conductor. These tasks communicate with Conductor server via REST client.

In Oracle Banking Supply Chain Finance, for every workflow, a workflow definition JSON will be maintained.

Deploy the following list of conductor processes for Oracle Banking Supply Chain Finance. The deployable units are available in the **obscfcm-workflow-management-services** folder in the OSDC.

JSON File location: `OBSCF_OSDC_{release}\OBSCF_SERVICES\obscfcm-workflow-management-services-{version}.war\WEB-INF\classes\dsl\`

> ✎ **Note:**
>
> For the exact version and release numbers, refer to the OSDC file available as a part of the release.

Table 6-1   Conductor Process List

S. No	Process Name	JSON name
1	REFUND	Refund.json
2	MANUALRECON	RECON.json
3	OBSCFCM_EOD	ObscfEod.json
4	NETTING	Netting.json
5	MGR	MarginRefund.json
6	INSTRUMENT	InstrumentWorkflow.json
7	INSTRUMENT_AUTODEBIT	InstrumentAutoDebitWorkflow.json
8	FINANCE_AUTODEBIT	FinanceAutoDebitWorkflow.json

Table 6-1   (Cont.) Conductor Process List

S. No	Process Name	JSON name
9	FINANCE	Finance.json
10	FCIMSG	FciMsg.json
11	DISCOUNTING	Discounting.json

6.2 Steps to Deploy

PLATO-O and **PLATO-ORCH-SERVICE** services should be up and registered in the Eureka registry. Refer to *Oracle Banking Microservices Platform Foundation Installation Guide* for the installation of PLATO-O and PLATO-ORCH-SERVICE.

Perform the following steps to deploy the workflow process mentioned in **Table 6-1** using app-shell:

1. Specify **User ID** and **Password**, and login to **Home** screen.

2. 2. On **Home** screen, under **Tasks** menu, click **Business Process Maintenance**.

   The **Process List** screen displays.

Figure 6-1   Process List
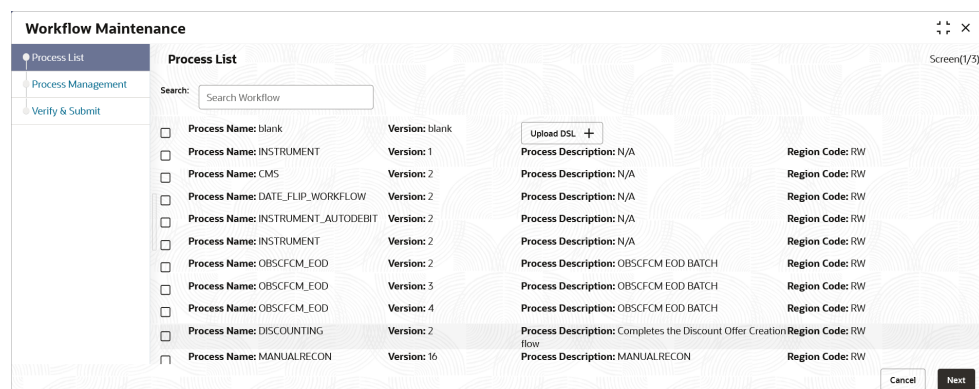
3. Select the **Process Name: blank** check box.

4. Click **Upload DSL+** button to upload the JSON file from the path mentioned in the above table.

5. 5. Click **Next** button.

   The **Process Management** screen displays.

Figure 6-2   Process Management
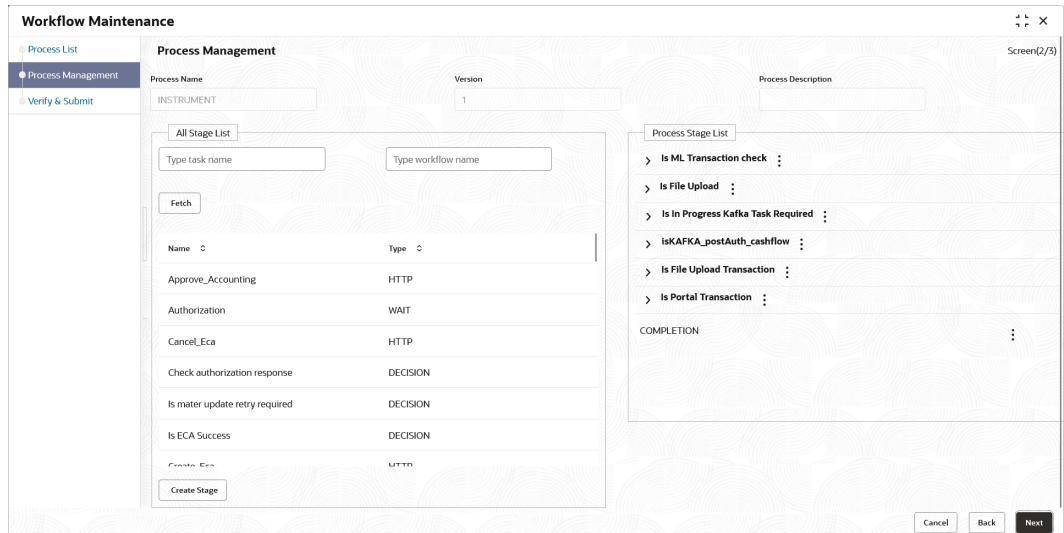
6. Click **Next** button.

    The **Verify & Submit** screen displays.

Figure 6-3   Verify & Submit
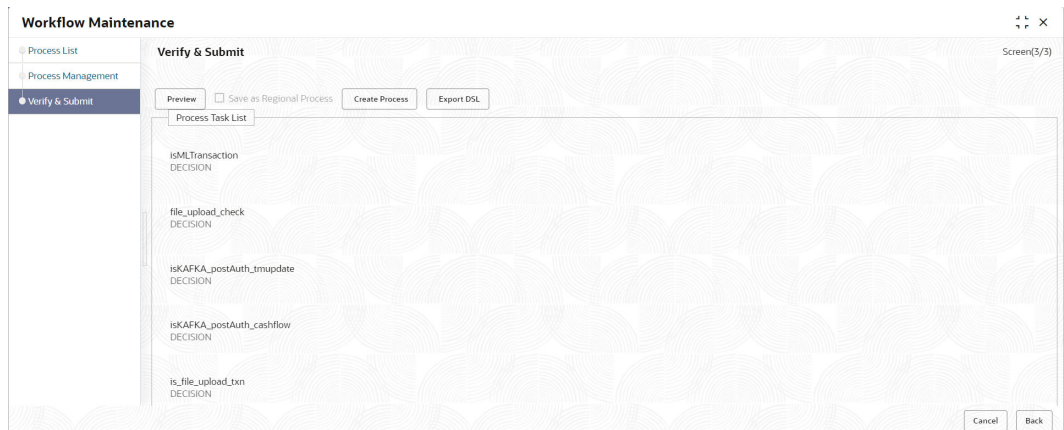
7. Click **Create Process** to deploy the workflow process definition.

    The **Process Created Successfully** pop-up menu displays.

Figure 6-4   Process Created Successfully
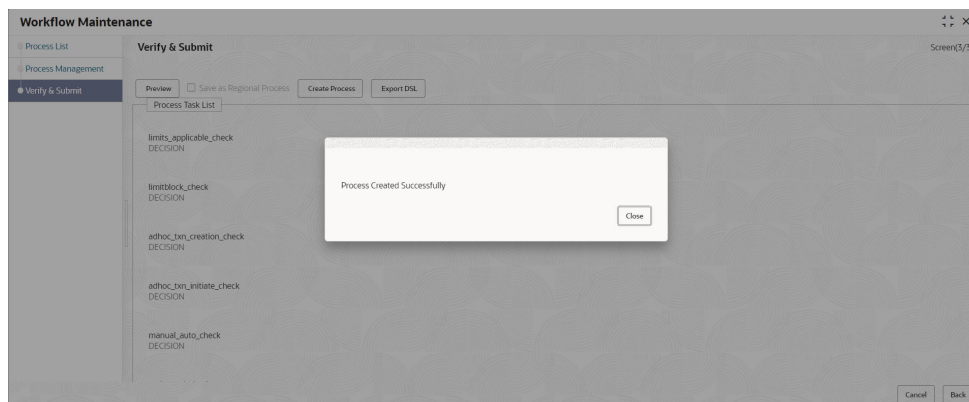
8. If an existing process is modified, a new process with updated version displays on the process list screen or else a new process displays.

9. Click **Cancel** to exit from the **Business Process Maintenance** menu.

10. To verify if the workflow is registered properly, verify the **Version** number in the **Process List** screen against the version number in the **META_WORKFLOW_DEF** table of the **OBSCFCM_WORKFLOWS_CONDUCTOR** database schema.

7
Restarts and Refresh

Once everything is deployed, restart all the managed servers. For each application call path `/refresh` to refresh the configuration properties.

> **Note:**
>
> To restart the server, refer to **Restart Server** section in *Configuration and Deployment Guide*.

Restart Order

- Restart sequence in case of any configuration changes in the properties table or server arguments of plato schema (eg : port or host):
    - Restart the plato-config-service and plato-discovery-service
    - Restart the impacted service
- Restart sequence in case of any configuration changes in the plato-ui-config schema (eg : port or host):
    - Restart the plato-ui-config-service

Caching Impact

The following services use caching and if any direct changes are done in database, then service needs to be bounced. If not, then cache eviction will happen in 2 hours for the configured value in the server start up params:

1. obscfcm-master-maintenance
2. obscfcm-filter-service
3. obscfcm-manual-recon-service
4. obscfcm-core-service

8
Logging Area

The logging area is configurable. The user can configure any path within the server, where you want to write the Oracle Banking Supply Chain Finance application logs. Oracle Banking Supply Chain Finance applications write the logs in the configured path with the name: **<Application name>.logs**. For example, if application name is **obscf-alerts-services**, then the logs file name would be **obscf-alerts-servies.log**.

9

Migration Support

This topic describes the instruction to install the multi-branch support feature for the existing Oracle® Banking Supply Chain Finance implementations wherein configuration changes are required.

This topic contains the following subtopics:

- Recommended Method
  This topic describes the recommended method to install the multi-branch support feature for existing implementations.

- Alternate Method
  This topic describes the alternate method to install the multi-branch support feature for existing implementations.

9.1 Recommended Method

This topic describes the recommended method to install the multi-branch support feature for existing implementations.

Pre-requisite: One product code is mapped to only one Branch i.e., there should not be a same product code mapped to different branches.

Case 1
Follow the below steps if the pre-requisite is true, i.e., if only one product code is mapped to only one branch.

1. Update the below server argument parameter as **Y** in the managed server where **obscf-core-service** is deployed.

   `-Dflyway.domain.placeHolders.obscf.core.productMigrationReqd='Y'`

2. Deploy both **obscf-core-service** and **obscf-report-service** serices.

Case 2
Follow the below steps if the pre-requisite is not true, i.e., if a product code is mapped to multiple branches.

3. Retain the product records for only one branch and delete it in the other branches in the following tables.

Table 9-1   Schema Table

Schema Name	Table Name	ID/Foreign Key
OBSCF_CORE	SCF_TM_PRODUCT_MASTER	ID
OBSCF_CORE	SCF_TW_PRODUCT_MASTER	ID
OBSCF_CORE	SCF_TM_PROD_LIMIT_DECN	PRODUCT_MASTER_ID
OBSCF_CORE	SCF_TW_PROD_LIMIT_DECN	PRODUCT_MASTER_ID
OBSCF_CORE	SCF_TM_PROD_LIMITS_EXP_HANDL	LIMIT_DECN_MASTER_ID

Table 9-1   (Cont.) Schema Table

Schema Name	Table Name	ID/Foreign Key
OBSCF_CORE	SCF_TW_PROD_LIMITS_EXP_HANDL	LIMIT_DECN_MASTER_ID
OBSCF_REPORT	SCF_TM_PRODUCT_MASTER	ID
OBSCF_REPORT	SCF_TW_PRODUCT_MASTER	ID
OBSCF_REPORT	SCF_TM_PROD_LIMIT_DECN	PRODUCT_MASTER_ID
OBSCF_REPORT	SCF_TW_PROD_LIMIT_DECN	PRODUCT_MASTER_ID
OBSCF_REPORT	SCF_TM_PROD_LIMITS_EXP_HANDL	LIMIT_DECN_MASTER_ID
OBSCF_REPORT	SCF_TW_PROD_LIMITS_EXP_HANDL	LIMIT_DECN_MASTER_ID

> **Note:**
>
> The user must maintain only one record per branch if the products are maintained for multiple branches. For example: If product **VENF** is maintained for both 004 and 006 branches, then the user should retain the product record for only one branch and delete the record in the other branches from the below mentioned tables.

4. Update the below server argument parameter as **Y** in the managed server where **obscf-core-service** is deployed.

```
-Dflyway.domain.placeHolders.obscf.core.productMigrationReqd='Y'
```

5. Deploy both **obscf-core-service** and **obscf-report-service serices**.

6. Perform the following steps to add the product records deleted for other branches:

    a. Login to the application.

    b. Navigate to **View Product Parameters** screen.

    c. Click **Options** for the respective product and then click **Unlock** to modify the record details.

    d. Add the deleted branches in the **Allowed/Restricted Branches** field accordingly. Refer to **Create Product Parameters** section in the *Supply Chain Finance User Guide*.

9.2 Alternate Method

This topic describes the alternate method to install the multi-branch support feature for existing implementations.

Pre-requisite: One product code is mapped to only one Branch i.e., there should not be a same product code mapped to different branches.

Follow the below steps if the pre-requisite is not true, i.e., if a product code is mapped to multiple branches.

1. Retain the product records for only one branch and delete it in the other branches in the following tables.

Table 9-2   Schema Table

Schema Name	Table Name	ID/Foreign Key
OBSCF_CORE	SCF_TM_PRODUCT_MASTER	ID
OBSCF_CORE	SCF_TW_PRODUCT_MASTER	ID
OBSCF_CORE	SCF_TM_PROD_LIMIT_DECN	PRODUCT_MASTER_ID
OBSCF_CORE	SCF_TW_PROD_LIMIT_DECN	PRODUCT_MASTER_ID
OBSCF_CORE	SCF_TM_PROD_LIMITS_EXP_HANDL	LIMIT_DECN_MASTER_ID
OBSCF_CORE	SCF_TW_PROD_LIMITS_EXP_HANDL	LIMIT_DECN_MASTER_ID
OBSCF_REPORT	SCF_TM_PRODUCT_MASTER	ID
OBSCF_REPORT	SCF_TW_PRODUCT_MASTER	ID
OBSCF_REPORT	SCF_TM_PROD_LIMIT_DECN	PRODUCT_MASTER_ID
OBSCF_REPORT	SCF_TW_PROD_LIMIT_DECN	PRODUCT_MASTER_ID
OBSCF_REPORT	SCF_TM_PROD_LIMITS_EXP_HANDL	LIMIT_DECN_MASTER_ID
OBSCF_REPORT	SCF_TW_PROD_LIMITS_EXP_HANDL	LIMIT_DECN_MASTER_ID

> **Note:**
>
> The user must maintain only one record per branch if the products are maintained for multiple branches. For example: If product **VENF** is maintained for both 004 and 006 branches, then the user should retain the product record for only one branch and delete the record in the other branches from the below mentioned tables.

2. Update the below server argument parameter as **N** in the managed server where **obscf-core-service** is deployed.

   ```
   -Dflyway.domain.placeHolders.obscf.core.productMigrationReqd='N'
   ```

3. Run the following scripts present in the **obscf-core-services** war file.

   Path: `obscf-core-services.war\WEB-INF\classes\db\migration\domain\`

   a. Run the drop constraint scripts:

   ```
   V506_002_8.8.1_7_50600215_14_0__SCF_TW_PRODUCT_MASTER.sql
   V506_002_8.8.1_8_50600215_14_0__SCF_TM_PRODUCT_MASTER.sql
   ```

   b. Run the migration DML scripts:

   ```
   V506_002_8.8.1_9_50600215_1_1__SCF_TW_PRODUCT_MASTER.sql
   V506_002_8.8.1_10_50600215_1_1__SCF_TM_PRODUCT_MASTER.sql
   ```

   c. Run the create constraint scripts:

   ```
   V506_002_8.8.1_15_50600215_15_0__SCF_TW_PRODUCT_MASTER.sql
   V506_002_8.8.1_16_50600215_15_0__SCF_TM_PRODUCT_MASTER.sql
   ```

4. Perform the following steps to add the product records deleted for other branches:

a. Login to the application.

b. Navigate to **View Product Parameters** screen.

c. Click **Options** for the respective product and then click **Unlock** to modify the record details.

d. Add the deleted branches in the **Allowed/Restricted Branches** field accordingly. Refer to **Create Product Parameters** section in the *Supply Chain Finance User Guide*.

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