

Services Installation Guide
Oracle Banking Credit Facilities Process
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Oracle Banking Credit Facilities Process Management Services Installation Guide

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1. Preface

1.1 Introduction

This guide would help you to install the OBCFPM 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 Plato infrastructure services.

1.2 Audience

This document 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/us/corporate/accessibility/index.html>

1.4 Organization

This installation user guide would allow you to install following services in same order

1. collateral-services
2. externalcheck-services
3. risk-services
4. fieldinvestigation-services
5. facility-services
6. maintenance-services
7. handOff-services
8. valuation-services
9. legal-services
10. documentsafekeeping-services
11. registration-services
12. stage-services
13. scoring-services
14. covenant-services
15. exception-services
16. bidding-services
17. settlement-services
18. pricing-services
19. obcfpm-businessprocess-services
20. policy-services
21. obcfpm-application-service
22. party-credit-services
23. liability-services
24. credit-writeup-services
25. terms-conditions-services
26. obcfpm-project-services
27. appetite-services
28. cmc-email-notification-configuration-services

- 29. terms-conditions-maintenance-services
- 30. product-default-maintenance-services

1.5 **Related documents**

For more information, refer to the following documents:

- Oracle Banking Credit Facilities Process Management Pre Installation Guide

2. Database Setup

2.1 Introduction

In this section you are going to setup database related configuration for OBCFPM 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 Pre-requisite

In this section, you are going to setup database related configuration for OBCFPM Installation. Before you proceed, ensure pre-installation setup is done. The pre-installation setup includes the configuration of database. After creating the schema for each of the required micro services, DDLs and INCs of each micro-service to be compiled in the respective schemas. The DDLs and INCs ensure the creation of tables and availability of static data required for the execution of services. These are compiled automatically using flyway.

2.3 Database Setup

To setup DB for OBCFPM schema's to be created-

Service Name	Schema Required
collateral-services	Yes
externalcheck-services	Yes
risk-services	Yes
fieldinvestigation-services	Yes
facility-services	Yes
maintenance-services	Yes
valuation-services	Yes
legal-services	Yes
documentsafekeeping-services	Yes
registration-services	Yes
stage-services	Yes
scoring-services	Yes
covenant-services	Yes

exception-services	Yes
bidding-services	Yes
settlement-services	Yes
pricing-services	Yes
policy-services	Yes
obcfpm-application-service	Yes
obcfpm-businessprocess-services	Yes (maintenance schema)
party-credit-services	Yes
liability-services	Yes
credit-writeup-services	Yes
terms-conditions-services	Yes
obcfpm-project-services	Yes
cmc-email-notification-configuration-services	Yes (maintenance schema)
terms-conditions-maintenance-services	Yes (maintenance schema)
product-default-maintenance-services	Yes (maintenance schema)

3. OBCFPM Domains Configuration

3.1 Prerequisites

1. Machine should have Oracle JDK 8 Update 321 or JDK 11.0.14 has installed.
2. Oracle Fusion Middleware 14.1.1.0.0 + Patch 32077936 has to be installed on the machine.
[Note: Before proceeding with below steps complete Plato installation guided.]
3. Steps for creating all OBCFPM domains, properties like port numbers, names will be changing based on the domain. Screenshots provided for such deviations. Domain creation process remains the same.

3.1.1 Collateral Domain Creation

It is recommended to have different domain for collateral application. For Creating Domain and Configuration please refer to ANNEXURE-1 “**How to create and Cluster Configuration**”.

3.1.2 External Check Domain Creation

It is recommended to have different domain for externalCheck application. For Creating Domain and Configuration please refer to ANNEXURE-1 “**How to create and Cluster Configuration**”.

3.1.3 Risk Domain Creation

It is recommended to have different domain for risk application. For Creating Domain and Configuration please refer to ANNEXURE-1 “**How to create and Cluster Configuration**”.

3.1.4 Field Investigation Domain Creation

It is recommended to have different domain for fieldInvestigation application. For Creating Domain and Configuration please refer to ANNEXURE-1 “**How to create and Cluster Configuration**”.

3.1.5 Facility Domain Creation

It is recommended to have different domain for facility application. For Creating Domain and Configuration please refer to ANNEXURE-1 “**How to create and Cluster Configuration**”.

3.1.6 Maintenance Domain Creation

It is recommended to have different domain for maintenance application. For Creating Domain and Configuration please refer to ANNEXURE-1 “**How to create and Cluster Configuration**”.

3.1.7 Handoff Domain Creation

It is recommended to have different domain for handoff application. For Creating Domain and Configuration please refer to ANNEXURE-1 “**How to create and Cluster Configuration**”.

3.1.8 Valuation Domain Creation

It is recommended to have different domain for valuation application. For Creating Domain and Configuration please refer to ANNEXURE-1 “**How to create and Cluster Configuration**”.

3.1.9 Legal Domain Creation

It is recommended to have different domain for legal application. For Creating Domain and Configuration please refer to ANNEXURE-1 “**How to create and Cluster Configuration**”.

3.1.10 DocumentSafekeeping Domain Creation

It is recommended to have different domain for documentSafekeeping application. For Creating Domain and Configuration please refer to ANNEXURE-1 “**How to create and Cluster Configuration**”.

3.1.11 Registration Domain Creation

It is recommended to have different domain for registration application. For Creating Domain and Configuration please refer to ANNEXURE-1 “**How to create and Cluster Configuration**”.

3.1.12 Stage Domain Creation

It is recommended to have different domain for stage application. For Creating Domain and Configuration please refer to ANNEXURE-1 “**How to create and Cluster Configuration**”.

3.1.13 Scoring Domain Creation

It is recommended to have different domain for scoring application. For Creating Domain and Configuration please refer to ANNEXURE-1 “**How to create and Cluster Configuration**”.

3.1.14 Covenant Domain Creation

It is recommended to have different domain for covenant application. For Creating Domain and Configuration please refer to ANNEXURE-1 “**How to create and Cluster Configuration**”.

3.1.15 Exception Domain Creation

It is recommended to have different domain for exception application. For Creating Domain and Configuration please refer to ANNEXURE-1 “**How to create and Cluster Configuration**”.

3.1.16 Bidding Domain Creation

It is recommended to have different domain for bidding application. For Creating Domain and Configuration please refer to ANNEXURE-1 “**How to create and Cluster Configuration**”.

3.1.17 Pricing Domain Creation

It is recommended to have different domain for pricing application. For Creating Domain and Configuration please refer to ANNEXURE-1 “**How to create and Cluster Configuration**”.

3.1.18 Settlement Domain Creation

It is recommended to have different domain for settlement application. For Creating Domain and Configuration please refer to ANNEXURE-1 “**How to create and Cluster Configuration**”.

3.1.19 Business Process Domain Creation

It is recommended to have different domain OBCFPM business process application. For Creating Domain and Configuration please refer to ANNEXURE-1 “**How to create and Cluster Configuration**”.

3.1.20 Policy Domain Creation

It is recommended to have different domain for Policy infra application. For Creating Domain and Configuration please refer to ANNEXURE-1 “**How to create and Cluster Configuration**”.

3.1.21 OBCFPM Application Domain Creation

It is recommended to have different domain for OBCFPM Application infra application. For Creating Domain and Configuration please refer to ANNEXURE-1 “**How to create and Cluster Configuration**”.

3.1.22 Party Credit Domain Creation

It is recommended to have different domain for Party Credit application. For Creating Domain and Configuration, please refer to ANNEXURE-1 “**How to create and Cluster Configuration**”.

3.1.23 Liability Domain Creation

It is recommended to have different domain for Liability application. For Creating Domain and Configuration, please refer to ANNEXURE-1 “**How to create and Cluster Configuration**”.

3.1.24 Credit Writeup Domain Creation

It is recommended to have different domain for Credit Writeup application. For Creating Domain and Configuration, please refer to ANNEXURE-1 “**How to create and Cluster Configuration**”.

3.1.25 Terms & Conditions Domain Creation

It is recommended to have different domain for Terms & Conditions application. For Creating Domain and Configuration, please refer to ANNEXURE-1 “**How to create and Cluster Configuration**”.

3.1.26 OBCFPM Project Domain Creation

It is recommended to have different domain for Terms & Conditions application. For Creating Domain and Configuration, please refer to ANNEXURE-1 “**How to create and Cluster Configuration**”.

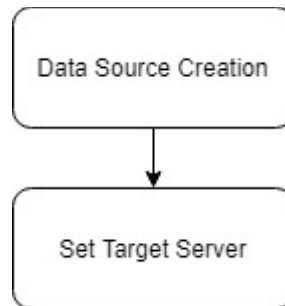
3.1.27 Appetite Domain Creation

It is recommended to have different domain for Appetite application. For Creating Domain and Configuration, please refer to ANNEXURE-1 “**How to create and Cluster Configuration**”.

4. Data Sources Creation

4.1 Pre-requisite

Database setup for OBCFPM 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 OBCFPM services and the steps to configure them in the server.



4.2 Data sources List

The table below lists the data sources to be created on each domain prior to deployment of applications onto managed servers.

Service Name	Data source Name	Data source JNDI	Targets
collateral-services	PLATO	jdbc/PLATO	Collateral Server (managed_server1)
	COLLATERAL	jdbc/CAMCOLLATERALAPI	
externalcheck-services	PLATO	jdbc/PLATO	Externalcheck Server (managed_server1)
	EXTERNALCHECK	jdbc/CAMEXTERNALCHECK	
risk-services	PLATO	jdbc/PLATO	Risk Server (managed_server1)
	RISK	jdbc/CAMRISKEVAL	
fieldinvestigation-services	PLATO	jdbc/PLATO	FieldInvestigation Server (managed_server1)
	FIELDINVESTIGATION	jdbc/CAMFLDINV	
facility-services	PLATO	jdbc/PLATO	Facility Server (managed_server1)
	FACILITY	jdbc/FACILITY	
maintenance-services	PLATO	jdbc/PLATO	Maintenance Server (managed_server1)
	MAINTENANCE	jdbc/CAMMAINTENANCE	
registration-services	PLATO	jdbc/PLATO	Registration Server (managed_server1)
	REGISTRATION	jdbc/CAMREGSTRN	
valuation-services	PLATO	jdbc/PLATO	Valuation Server (managed_server1)
	VALUATION	jdbc/CAMVALUATION	
legal-services	PLATO	jdbc/PLATO	Legal Server

	LEGAL	jdbc/CAMLEGOPN	(managed_server1)
documentsafekeeping-services	PLATO	jdbc/PLATO	Safekeeping Server
	SAFEKEEPING	jdbc/CAMSFKPNG	(managed_server1)
stage-services	PLATO	jdbc/PLATO	Stage Server
	STAGE	jdbc/CAMSTAGE	(managed_server1)
scoring-services	PLATO	jdbc/PLATO	Scoring Server
	SCORING	jdbc/CAMSSCORING	(managed_server1)
covenant-services	PLATO	jdbc/PLATO	Covenant Server
	COVENANT	jdbc/CAMCOVNT	(managed_server1)
exception-services	PLATO	jdbc/PLATO	Exception Server
	EXCEPTION	jdbc/CAMEXCEPTION	(managed_server1)
handOff-services	PLATO	jdbc/PLATO	Handoff Server (managed_server1)
bidding-services	PLATO	jdbc/PLATO	Bidding Server
	BIDDING	jdbc/CAMBIDDING	(managed_server1)
settlement-services	PLATO	jdbc/PLATO	Settlement Server
	SETTLEMENT	jdbc/CAMSETTLEMENT	(managed_server1)
pricing-services	PLATO	jdbc/PLATO	Pricing Server (managed_server1)
	PRICING	jdbc/CAMPRICING	
obcfpm-businessprocess-services	PLATO	jdbc/PLATO	OBCFPM Business Process Server (managed_server1)
	SCMMAINTENANCE	jdbc/CAMMAINTENANCE	
policy-services	PLATO	jdbc/PLATO	Policy Server (manager_server1)
	POLICY	Jdbc/POLICY	
obcfpm-application-service	PLATO	jdbc/PLATO	OBCFPM Application Server (managed_server1)
	OBCFPMAPPLICATION	jdbc/OBCFPMAPPLICATIONS	
party-credit-services	PLATO	jdbc/PLATO	Party Credit Server (manager_server1)

	PARTYCREDIT	jdbc/partycredit	
liability-services	PLATO	jdbc/PLATO	Liability Server (manager_server1)
	LIABILITY	jdbc/LIABILITY	
credit-writeup-services	PLATO	jdbc/PLATO	Credit Server (managed_server1)
	CREDITWRITEUP	jdbc/WRITEUP	
terms-conditions-services	PLATO	jdbc/PLATO	Terms & Conditions Server (managed_server1)
	TERMCONDITIONS	jdbc/TERMCONDITIONS	
obcfpm-project-services	PROJECT	jdbc/PROJECT	Obcfpm Project Server (managed_server1)
appetite-services	PLATO	jdbc/PLATO jdbc/APPETITE	Extenalcheck Server (managed_server1)
	APPETITE		
cmc-email-notification-configuration-services	CAMMAINTENANCE	jdbc/CAMMAINTENANCE	Maintenance Server (managed_server1)
terms-conditions-maintenance-services	PLATO	jdbc/PLATO	Maintenance Server (managed_server1)
	SCMMAINTENANCE	jdbc/CAMMAINTENANCE	
product-default-maintenance-services	PLATO	jdbc/PLATO	Maintenance Server (managed_server1)
	SCMMAINTENANCE	jdbc/CAMMAINTENANCE	

Note: jdbc/sms should be linked to all managed servers

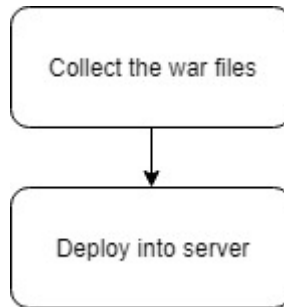
4.3 **Steps to Create Datasource**

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

5. Deployments

5.1 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 OBCFPM application and the steps to deploy them into the server.



5.2 Deployments List

Below table give details of the deployments required on each domain for the obcfpm application to run. Deploy one after other in the same given order.

Application	Archive name	OSDC path	Targets
Collateral Services	collateral-services-7.5.0.war	{ unzip the file } \collateral-services\	Collateral Server (managed_server1)
Externalcheck Services	externalcheck-services-7.5.0.war	{ unzip the file } \externalcheck-services\	Externalcheck Server (managed_server1)
Risk Services	risk-services-7.5.0.war	{ unzip the file } \risk-services\	Risk Server (managed_server1)
Fieldinvestigation Services	fieldinvestigation-services-7.5.0.war	{ unzip the file } \fieldinvestigation-services\	FieldInvestigation Server (managed_server1)
Facility Services	facility-services-7.5.0.war	{ unzip the file } \facility-services\APP	Facility Server (managed_server1)
Maintenance Services	maintenance-services-7.5.0.war	{ unzip the file } \maintenance-services\	Maintenance Server (managed_server1)
Handoff Services	handOff-services-7.5.0.war	{ unzip the file } \handOff-services\	Handoff Server (managed_server1)

Valuation Services	valuation-services-7.5.0.war	{ unzip the file } \valuation-services\	Valuation Server (managed_server1)
Legal Services	legal-services-7.5.0.war	{ unzip the file } \legal-services\APP	Legal Server (managed_server1)
Documentsafekeeping Services	documentsafekeeping-services-7.5.0.war	{ unzip the file } \documentsafekeeping-services	Safekeeping Server (managed_server1)
Registration Services	registration-services-7.5.0.war	{ unzip the file } \registration-services\	Registration Server (managed_server1)
Stage Services	stage-services-7.5.0.war	{ unzip the file } \stage-services\	Stage Server (managed_server1)
Scoring Services	scoring-services-7.5.0.war	{ unzip the file } \scoring-services\	Scoring Server (managed_server1)
Covenant Services	covenant-services-5.3.0.war	{ unzip the file } \covenant-services\	Covenant Server (managed_server1)
Exception Services	exception-services-7.5.0.war	{ unzip the file } \exception-services\	Exception Server (managed_server1)
Bidding Services	bidding-services-7.5.0.war	{ unzip the file } \bidding-services\	Bidding Server (managed_server1)
Settlement Services	settlement-services-7.5.0.war	{ unzip the file } \settlement-services\	Settlement Server (managed_server1)
Pricing Services	pricing-services-7.5.0.war	{ unzip the file } \pricing-services\	Pricing Server (managed_server1)
Business Process Maintenance Service	obcfpm-businessprocess-services-7.5.0.war	{ unzip the file } \ obcfpm-businessprocess-services \	OBCFPM Business Process Server (managed_server1)
policy-services	policy-services-5.3.0.war	{ unzip the file } \ policy-services	Policy Server (managed_server1)
obcfpm-application-service	obcfpm-application-service-7.5.0.war	{ unzip the file } \ obcfpm-application-service	OBCFPM Application Server (managed_server1)
Party-credit-services	Party-credit-services-7.5.0.war	{ unzip the file } \ party-credit-services	Party Credit Server (managed_server1)

liability-services	liability-services-7.5.0.war	{ unzip the file } \ liability-services	Liability Server (managed_server1)
credit-writeup-services	credit-writeup-services-7.5.0.war	{ unzip the file } \ credit-writeup-services	Writeup Server (managed_server1)
terms-conditions-services	terms-conditions-services-7.5.0.war	{ unzip the file } \ terms-conditions-services	Terms Conditions Server (managed_server1)
obcfpm-project-services	obcfpm-project-services-5.3.0.war	{ unzip the file } \ obcfpm-project-services	Obcfpm Project Server (managed_server1)
appetite-services	appetite-services-7.5.0.war	{ unzip the file } \ appetite-services	Externalcheck Server (managed_server1)
cmc-email-notification-configuration-services	cmc-email-notification-configuration-services-7.5.0.war	{ unzip the file } \ cmc-email-notification-configuration-services	Maintenance Server (managed_server1)
terms-conditions-maintenance-services	terms-conditions-maintenance-services-7.5.0.war	{ unzip the file } \ terms-conditions-maintenance-services	Maintenance Server (managed_server1)
product-default-maintenance-services	product-default-maintenance-services-7.5.0.war	{ unzip the file } \ product-default-maintenance-services	Maintenance Server (managed_server1)

5.3 Steps to Deploy as Application

To deploy application please refer ANNEXURE-1. “How to deploy section”.

6. Restarts and Refresh

Once everything is deployed, restart all 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.

7. Logging Area

7.1 Introduction

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

7.1.1 Logging Area:-

OBCFPM Application writes logs in the below area of the server-

<WEBLOGIC_DOMAIN_CONFIG_AREA/servers/OBCFPMAPP/logs/ OBCFPMAPP.out

Let's assume a domain has been created **obcfpm_domain** with **managed_server** name called **OBCFPMAPP** in the following area of the server

/scratch/oracle/middleware/user_projects/domains/**obcfpm_domain**". Logging area for OBCFPM applications would be

/scratch/oracle/middleware/user_projects/domains/obcfpm_domain/servers/OBCFPMAPP/logs/ OBCFPMAPP.out.