

# Oracle Banking Trade Finance Services Installation Guide

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## Oracle Banking Trade Finance Services Installation Guide

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# Table of Contents

- 1. PREFACE ..... 1-1**
  - 1.1 INTRODUCTION ..... 1-1
  - 1.2 AUDIENCE..... 1-1
  - 1.3 DOCUMENTATION ACCESSIBILITY ..... 1-1
  - 1.4 ORGANIZATION..... 1-1
  - 1.5 RELATED DOCUMENTS ..... 1-2
  
- 2. DATABASE SETUP..... 2-3**
  - 2.1 INTRODUCTION ..... 2-3
  - 2.2 PRE-REQUISITE ..... 2-3
  - 2.3 DATABASE SETUP ..... 2-4
  
- 3. DOMAIN AND CLUSTER CONFIGURATION ..... 3-1**
  - 3.1 COMMON CORE DOMAIN CONFIGURATION..... 3-1
    - 3.1.1 *Prerequisites* ..... 3-1
    - 3.1.2 *Steps to Create Domain* ..... 3-1
  
- 4. DATA SOURCES CREATION..... 4-1**
  - 4.1 PREREQUISITE ..... 4-1
  - 4.2 DATA SOURCES LIST..... 4-1
  - 4.3 CREATING DATA SOURCE..... 4-2
  
- 5. DEPLOYMENTS ..... 5-1**
  - 5.1 PRE-REQUISITE ..... 5-1
  - 5.2 DEPLOYMENTS LIST..... 5-1
  - 5.3 STEPS TO DEPLOY AS APPLICATION..... 5-3
  
- 6. RESTARTS AND REFRESH..... 6-1**
  - 6.1 RESTARTING SERVERS ..... 6-1
  
- 7. LOGGING AREA ..... 7-1**
  - 7.1 INTRODUCTION ..... 7-1
    - 7.1.1 *Logging Area* ..... 7-1

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# 1. Preface

## 1.1 Introduction

This guide would help you to configure Trade related services on designated environment. It is assumed that all the prior setup is already done related with WebLogic 12c installation; WebLogic managed server creation, RCU creation for BPM Suite, BPM Suite installation 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/pls/topic/lookup?ctx=acc&id=docacc>.

## 1.4 Organization

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

- AMLMAPPING-SERVICES Service
- AMOUNTBLOCK-SERVICE Service
- CMC-PARTIES Service
- CMC-SANCTIONS Service
- COLLATERALSMAPPING-SERVICES Service
- CONTRACTNUMBERGENERATOR-SERVICES Service
- CUSTOMERRESPONSEMAPPING-SERVICES Service
- DOCUMENTSCLAUSES MAPPING-SERVICES Service
- EXCHANGERATE-SERVICES Service
- FACADE-SERVICE Service
- FACILITIESMAPPING-SERVICES Service
- FFT-SERVICE Service
- FFTMAPPING-SERVICES Service
- GOODS-SERVICE Service
- GOODSMAPPING-SERVICES Service
- GUARANTEE-SERVICES Service
- GUARANTEECONTRACT-SERVICES Service
- IMPORTLC-TEMPLATE-SERVICES Service
- INITIATE-FACADE-SERVICE Service
- KYCMAPPING-SERVICES Service
- LETTEROFCREDIT-SERVICES Service
- LETTEROFCREDITCONTRACT-SERVICES Service
- LICENSES-SERVICES Service
- ORCHESTRATION-SERVICES Service

- PRICINGMAPPING-SERVICES Service
- PRODUCTS-SERVICE Service
- REKEYCONFIG-SERVICES Service
- STAGEUPDATEFACADE-SERVICE Service
- TFC-CUSTOMER-SERVICES-NEW Service
- TFC-DOCUMENTS-CLAUSES-SERVICES Service
- TFP-GTEEISSUANCETEMPLATE-SERVICES Service
- TFP-GTEEISSUANCETEMPLATEFACADE-SERVICE Service
- TFP-IMPORTLCTEMPLATEFACADE-SERVICE Service
- TFPM-SWIFTMSG-SERVICE Service

## 1.5 **Related Documents**

- Common Core Services Installation Guide
- Day 0 Setup Guide
- LDAP Setup Guide
- Oracle Banking Trade Finance Process Management Annexure
- Oracle Banking Trade Finance Process Pre-Installation Guide
- Oracle Banking Trade Finance Process Management Services Installation Guide
- Oracle Banking Trade Finance Process Management User Interface Installation Guide
- Process Flow 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 Trade Services Installation.

### 2.2 Pre-requisite

Below setup is dependent on Common Core Schema and SMS schema. So, before you proceed with below setup ensure Common Core Schema and SMS Schema is provided to you.

SI	Module	Schema Details
1	Trade	TFPMAML
2	Trade	TFPMCOLLATERAL
3	Trade	TFPMCUSTRESP
4	Trade	TFPMDOCCLS
5	Trade	TFPMFACILITY
6	Trade	TFPMFFTDET
7	Trade	TFPMGOODSDET
8	Trade	TFPMKYC
9	Trade	TFPMPARTIES
10	Trade	TFPMPRICING
11	Trade	TFPMSANC
12	Trade	TFPMLCDET
13	Trade	TFPMGTDET
14	Trade	TFPMBOTRADE
15	Trade	TFPMFACADE
16	Trade	TFPMVERIFICATION

## 2.3 Database Setup

To setup Database for Services below step need to be followed:

DDL's:

Collect DDL's mentioned in the **From-Path** section of the below table and compile into respective schema.

Service Name	From-Path	Compile To
AMLMAPPING-SERVICES	OBTFPM\amlmapping-services\Database\DDL	TFPMAML Schema
CMC-PARTIES	OBTFPM\cmc-parties\Database\DDL	TFPMPARTIES Schema
CMC-SANCTIONS	OBTFPM\cmc-sanctions\Database\DDL	TFPMSANC Schema
COLLATERALSMAPPING-SERVICES	OBTFPM\collateralsmapping-services\Database\DDL	TFPMCOLLATERAL Schema
DOCUMENTSCLAUSESMAAPPING-SERVICES	OBTFPM\documentsclausesmapping-services\Database\DDL	TFPMDOCCLS Schema
FACADE-SERVICE	OBTFPM\facade-service\Database\DDL	TFPM Schema
FACILITIESMAAPPING-SERVICES	OBTFPM\facilitiesmapping-services\Database\DDL	TFPMFACILITY Schema
FFT-SERVICE	OBTFPM\fft-service\Database\DDL	TFPM Schema
FFTMAPPING-SERVICES	OBTFPM\fftmapping-services\Database\DDL	TFPMFFTDET Schema
GOODS-SERVICE	OBTFPM\goods-service\Database\DDL	TFPM Schema
GOODSMAPPING-SERVICES	OBTFPM\goodsmapping-services\Database\DDL	TFPMGOODSDET Schema
GUARANTEE-SERVICES	OBTFPM\guarantee-services\Database\DDL	TFPMGTDET Schema
KYCMAPPING-SERVICES	OBTFPM\kycmapping-services\Database\DDL	TFPMKYC Schema
LETTEROF CREDIT-SERVICES	OBTFPM\letterofcredit-services\Database\DDL	TFPMLCDET Schema
LICENSES-SERVICES	OBTFPM\licenses-services\Database\DDL	TFPM Schema
PRICINGMAAPPING-SERVICES	OBTFPM\pricingmapping-services\Database\DDL	TFPMPRICING Schema
PRODUCTS-SERVICE	OBTFPM\products-service\Database\DDL	TFPM Schema
REKEYCONFIG-SERVICES	OBTFPM\rekeyconfig-services\Database\DDL	TFPM Schema
TFC-CUSTOMER-SERVICES-NEW	OBTFPM\tfc-customer-services-new\Database\DDL	TFPM Schema
TFC-DOCUMENT-CLAUSES-SERVICES	OBTFPM\tfc-document-clauses-services\Database\DDL	TFPM Schema
TFP-TEMPLATE-SERVICES	OBTFPM\tfp-template-services\Database\DDL	TFPMLCDET Schema
TFPM-SWIFTMSG-SERVICE	OBTFPM\tfpm-swiftmsg-service\Database\DDL	TFPMLCDET Schema
OBTFPM-VERIFICATION-SERVICES	OBTFPM\customerresponsemapping-services\Database\DDL	TFPMVERIFICATION Schema

INC's:

Collect INC's mentioned in the **From-Path** section of the below table and compile into respective schema.

<b>Service Name</b>	<b>From-Path</b>	<b>Compile To</b>
FACADE-SERVICE	OBTFPM\facade-service\Database\INC	TFPM Schema
SMS-TRADE	OBTFPM\sms-trade\Database\SMS	SMS Schema
TFP-TEMPLATE-SERVICES	OBTFPM\tfp-template-services\Database\SMS\INC	SMS Schema
TFPM-SWIFTMSG-SERVICE	OBTFPM\tfpm-swiftmsg-service\Database\INC	TFPMLCDET Schema
TFPM-SWIFTMSG-SERVICE	OBTFPM\tfpm-swiftmsg-service\Database\SMS	SMS Schema
REKEYCONFIG-SERVICES	OBTFPM\rekeyconfig-services\Database\INC	TFPM Schema



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## 3. Domain and Cluster Configuration

### 3.1 Common Core Domain Configuration

#### 3.1.1 Prerequisites

- Machine should have Java JDK1.8.0\_171 has installed.
- Oracle Fusion Middleware 12cR2 12.2.1.3 has to be installed on the machine.

#### 3.1.2 Steps to Create Domain

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. Data Sources Creation

### 4.1 Prerequisite

Database and application setup for PLATO has to be performed prior to deployment setup.

### 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.

SI	APP_ID	APP_NAME	DS_NAME	JNDI_NAME	Schema Name
1	OBTFFPM	Trade Finance	OBTFFPM	jdbc/fcliteAPIDS	TFPM Schema
2	OBTFFPMAMLMAPPING	OBTFFPMAMLMAPPING	jdbc/OBTFFPM_AMLMAPPING	jdbc/OBTFFPM_AMLMAPPING	TFPMAML Schema
3	OBTFFPMCOLLATERALS	OBTFFPMCOLLATERALS	jdbc/OBTFFPM_COLLATERALSMAPPING	jdbc/OBTFFPM_COLLATERALSMAPPING	TFPMCOLLATERAL
4	OBTFFPMDOCCONDITION	OBTFFPMDOCCONDITION	jdbc/OBTFFPM_TFPMDOCCCLS	jdbc/OBTFFPM_TFPMDOCCCLS	TFPMDOCCCLS Sche
5	OBTFFPMFACILITY	OBTFFPMFACILITY	jdbc/OBTFFPM_TFPMFACILITY	jdbc/OBTFFPM_TFPMFACILITY	TFPMFACILITY Sche
6	OBTFFPMFFTMAPPING	OBTFFPMFFTMAPPING	jdbc/OBTFFPM_TFPMFFTDET	jdbc/OBTFFPM_TFPMFFTDET	TFPMFFTDET Scher
7	OBTFFPMGOODSMAPPING	OBTFFPMGOODSMAPPING	jdbc/OBTFFPM_TFPMGOODSDET	jdbc/OBTFFPM_TFPMGOODSDET	TFPMGOODSDET S
8	OBTFFPMGUARANTEES	OBTFFPMGUARANTEES	jdbc/OBTFFPM_TFPMGTDET	jdbc/OBTFFPM_TFPMGTDET	TFPMGTDET Schem
9	OBTFFPMKYCMAPPING	OBTFFPMKYCMAPPING	jdbc/OBTFFPM_TFPMKYC	jdbc/OBTFFPM_TFPMKYC	TFPMKYC Schema
10	OBTFFPMLETTEROF CREDIT	OBTFFPMLETTEROF CREDIT	OBTFFPMLETTEROF CREDIT	OBTFFPMLETTEROF CREDIT	TFPMLCDET Schem
11	OBTFFPMPARTYMAP PING	OBTFFPMPARTYMAP PING	jdbc/OBTFFPM_TFPMPARTIES	jdbc/OBTFFPM_TFPMPARTIES	TFPMPARTIES Sche
12	OBTFFPMPRICING	OBTFFPMPRICING	jdbc/OBTFFPM_TFPMPRICING	jdbc/OBTFFPM_TFPMPRICING	TFPMPRICING Sche
13	OBTFFPMSANCTIONS	OBTFFPMSANCTIONS	jdbc/OBTFFPM_TFPMSANCTIONS	jdbc/OBTFFPM_TFPMSANCTIONS	TFPMSANC Schema
14	OBTFFPMVERIFICATION	OBTFFPMVERIFICATION	jdbc/OBTFFPM_TFPMVERIFY	jdbc/OBTFFPM_TFPMVERIFY	TFPMVERIFICATION

Steps to create data source in WebLogic is same for all the above except for the connection details and names. Check the below screenshots to understand data source creation. (for all the App id should be SINGE\_CONTENT)

### 4.3 **Creating Data Source**

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

## 5. Deployments

### 5.1 Pre-requisite

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

### 5.2 Deployments List

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

SI	Application	Archive name	Path	Component
1	amlmapping-services	amlmapping-services-1.0.0.war	\\OBTFPM\amlmapping-services\App	Trade Finance
2	amountblock-service	amountblock-service-1.0.0.war	\\OBTFPM\amountblock-service\App	Trade Finance
3	cmc-parties	cmc-parties-1.0.0.war	\\OBTFPM\cmc-parties\App	Trade Finance
4	cmc-sanctions	cmc-sanctions-1.0.0.war	\\OBTFPM\cmc-sanctions\App	Trade Finance
5	collateralsmapping-services	collateralsmapping-services-1.0.0.war	\\OBTFPM\collateralsmapping-services\App	Trade Finance
6	contractnumbergenerator-services	contractnumbergenerator-services-1.0.0.war	\\OBTFPM\contractnumbergenerator-services\App	Trade Finance
8	documentsclausesmapping-services	documentsclausesmapping-services-1.0.0.war	\\OBTFPM\documentsclausesmapping-services\App	Trade Finance
9	exchangerate-services	exchangerate-services-1.0.0.war	\\OBTFPM\exchangerate-services\App	Trade Finance
10	facade-service	facade-service-1.0.0.war	\\OBTFPM\facade-service\App	Trade Finance
11	facilitiesmapping-services	facilitiesmapping-services-1.0.0.war	\\OBTFPM\facilitiesmapping-services\App	Trade Finance
12	fft-service	fft-service-1.0.0.war	\\OBTFPM\fft-service\App	Trade Finance
13	ftmapping-services	ftmapping-services-1.0.0.war	\\OBTFPM\ftmapping-services\App	Trade Finance
14	goods-service	goods-service-1.0.0.war	\\OBTFPM\goods-service\App	Trade Finance
15	goodsmapping-services	goodsmapping-services-1.0.0.war	\\OBTFPM\goodsmapping-services\App	Trade Finance
16	guarantee-services	guarantee-services-1.0.0.war	\\OBTFPM\guarantee-services\App	Trade Finance
17	guaranteecontract-services	guaranteecontract-services-1.0.0.war	\\OBTFPM\guaranteecontract-services\App	Trade Finance
18	importlc-template-services	importlc-template-services-1.0.0.war	\\OBTFPM\importlc-template-services\App	Trade Finance
19	initiate-facade-service	initiate-facade-service-1.0.0.war	\\OBTFPM\initiate-facade-service\App	Trade Finance

SI	Application	Archive name	Path	Component
20	kycmapping-services	kycmapping-services-1.0.0.war	\OBTFPM\kycmapping-services\App	Trade Finance
21	letterofcredit-services	letterofcredit-services-1.0.0.war	\OBTFPM\letterofcredit-services\App	Trade Finance
22	letterofcreditcontract-services	letterofcreditcontract-services-1.0.0.war	\OBTFPM\letterofcreditcontract-services\App	Trade Finance
23	licenses-services	licenses-services-1.0.0.war	\OBTFPM\licenses-services\App	Trade Finance
24	orchestration-services	orchestration-services-1.0.0.war	\OBTFPM\orchestration-service\App	Trade Finance
25	pricingmapping-services	pricingmapping-services-1.0.0.war	\OBTFPM\pricingmapping-services\App	Trade Finance
26	products-service	products-service-1.0.0.war	\OBTFPM\products-service\App	Trade Finance
27	rekeyconfig-services	rekeyconfig-services-1.0.0.war	\OBTFPM\rekeyconfig-services\App	Trade Finance
28	stageupdatefacade-service	stageupdatefacade-service-1.0.0.war	\OBTFPM\stageupdatefacade-service\App	Trade Finance
29	tfc-customer-services-new	tfc-customer-services-new-1.0.0.war	\OBTFPM\tfc-customer-services-new\App	Trade Finance
30	tfc-documents-clauses-services	tfc-documents-clauses-services-1.0.0.war	\OBTFPM\tfc-document-clauses-services\App	Trade Finance
31	tfp-gteeissuancetemplate-services	tfp-gteeissuancetemplate-services-1.0.0.war	\OBTFPM\tfp-gteeissuancetemplate-services\App	Trade Finance
32	tfp-gteeissuancetemplatefacade-service	tfp-gteeissuancetemplatefacade-service-1.0.0.war	\OBTFPM\tfp-gteeissuancetemplatefacade-service\App	Trade Finance
33	tfp-importlctemplatefacade-service	tfp-importlctemplatefacade-service-1.0.0.war	\OBTFPM\tfp-importlctemplatefacade-service\App	Trade Finance
34	tfpm-swifmsg-service	tfpm-swifmsg-service-1.0.0.war	\OBTFPM\tfpm-swifmsg-service\App	Trade Finance
35	obtfpm-verification-services	obtfpm-verification-services-1.0.0.war	\OBTFPM\ obtfpm-verification-services \App	Trade Finance

Below table give details of the deployments required on SOA process flow services for the Trade application to run. Deploy one after other in the same given order.

SI	Archive name	OSDC Path	Component
1	sca_InitiateAMLCheckService.jar	\OBTFPM\commonprocessflow\InitiateAMLCheckService	SOA
2	sca_InitiateAmountBlockService.jar	\OBTFPM\commonprocessflow\InitiateAmountBlockService	SOA
3	sca_InitiateCurrencyConversionService.jar	\OBTFPM\commonprocessflow\InitiateCurrencyConversionService	SOA

4	sca_InitiateHandOffService.jar	\OBTFPM\commonprocessflow\InitiatehandOffService	SOA
5	sca_InitiateKYCCheckService.jar	\OBTFPM\commonprocessflow\InitiateKYCCheckService	SOA
6	sca_InitiateLimitEarmarkingService.jar	\OBTFPM\commonprocessflow\InitiateLimitEarmarkingService	SOA
7	sca_InitiateMailNotificationService.jar	\OBTFPM\commonprocessflow\InitiateMailNotificationService	SOA
8	sca_InitiateReleaseAmountBlockService.jar	\OBTFPM\commonprocessflow\InitiateReleaseAmountBlockService	SOA
9	sca_InitiateReleaseEarmarkingService.jar	\OBTFPM\commonprocessflow\InitiateReleaseEarmarkingService	SOA
10	sca_InitiateSanctionCheckService.jar	\OBTFPM\commonprocessflow\InitiateSanctionCheckService	SOA
11	sca_InitiateExportLCAdviseService.jar	\OBTFPM\tradeprocessflow\InitiateExportLCAdviseService	SOA
12	sca_InitiateGuaranteeAdviceAPRService.jar	\OBTFPM\tradeprocessflow\InitiateGuaranteeAdviceAPRService	SOA
13	sca_InitiateGuaranteeAdviceService.jar	\OBTFPM\tradeprocessflow\InitiateGuaranteeAdviceService	SOA
14	sca_InitiateGuaranteeIssuanceAPRService.jar	\OBTFPM\tradeprocessflow\InitiateGuaranteeIssuanceAPRService	SOA
15	sca_InitiateGuaranteeIssuanceService.jar	\OBTFPM\tradeprocessflow\InitiateGuaranteeIssuanceService	SOA
16	sca_InitiateImportLCIssuanceService.jar	\OBTFPM\tradeprocessflow\InitiateImportLCIssuanceService	SOA

### 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 Common Core Applications in WebLogic server.

#### 7.1.1 Logging Area

Trade Finance Application writes logs in the below area of the server-

<WEBLOGIC\_DOMAIN\_CONFIG\_AREA>/logs/<<micro-service-name>>.log

Let's assume a domain has been created OBTFPM with managed\_server name called OBTFPM in the following area of the server

/scratch/oracle/middleware/user\_projects/domains/OBTFPM. Logging area for Trade Finance would be /scratch/oracle/middleware/user\_projects/domains/OBTFPM/logs/<<micro-service-name>>.log