

Common Core Services Installation Guide  
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## Common Core Services Installation Guide

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## 1.1 Introduction

This guide helps you to install the Plato infrastructure services on designated environment. It is assumed that all the prior setup is done related with WebLogic 12c installation, WebLogic managed server creation and Oracle DB installation. It is recommended to use a dedicated managed server for each of the Plato infrastructure 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

You can install the following services in the same order using this guide:

- CMC-ACCOUNT-SERVICE Service
- CMC-BRANCH-SERVICE Service
- CMC-BASE-SERVICE Service
- CMC-CUSTOMER-SERVICE Service
- CMC-CURRENCY-SERVICE Service
- CMC-EXTERNAL-SYSTEM-SERVICE Service
- CMC-SETTLEMENTS-SERVICE Service
- CMC-TXN-CODE-SERVICE Service
- CMC-EXTERNAL-CHART-ACCOUNT services
- CMC-ADVICE-SERVICES services
- CMC-FACILITIES-SERVICES services
- CMC-REPORT-SERVICE services

## 1.5 Related Documents

- Day-0 Setup Guide
- LDAP Setup Guide
- Oracle Banking Virtual Account Management Annexure
- Oracle Banking Virtual Account Management Pre-Installation Guide
- Oracle Banking Virtual Account Management Services Installation Guide
- Oracle Banking Virtual Account Management User Interface 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

You can setup database related configuration to install Common Core.

### 2.2 Pre-requisite

Below setup is dependent on Common Core Schema and SMS schema. Before you proceed with the setup, ensure Common Core Schema and SMS Schema is provided.

### 2.3 Database Setup

To setup database for Common Core follow the below steps:

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
Common Infra	CommonInfra\Database\DDL	Common Core Schema
CMC-ACCOUNT-SERVICES	CommonCore\cmc-account-services\Database\DDL	Common Core Schema
CMC-BRANCH-SERVICE	CommonCore\cmc-branch-services\Database\DDL	Common Core Schema
CMC-BASE-SERVICE	CommonCore\cmc-base-services\Database\DDL	Common Core Schema
CMC-CUSTOMER-SERVICE	CommonCore\cmc-customer-services\Database\DDL	Common Core Schema
CMC-CURRENCY-SERVICE	CommonCore\cmc-currency-services\Database\DDL	Common Core Schema
CMC-EXTERNAL-SYSTEM-SERVICE	CommonCore\cmc-external-system-services\Database\DDL	Common Core Schema
CMC-SETTLEMENTS-SERVICE	CommonCore\cmc-settlements-services\Database\DDL	Common Core Schema
CMC-TXN-CODE-SERVICE	CommonCore\cmc-txn-code-services\Database\DDL	Common Core Schema
CMC-EXTERNAL-CHART-ACCOUNT	CommonCore\cmc-external-chart-account-services\Database\DDL	Common Core Schema
CMC-ADVICE-SERVICES	CommonCore\cmc-advice-services\Database\DDL	Common Core Schema
CMC-FACILITIES-SERVICES	CommonCore\cmc-facilities-service\Database\DDL	Common Core Schema
CMC-REPORT-SERVICE	CommonCore\cmc-report-service\Database\DDL	Common Core 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>
Common Infra	CommonInfra\Database\INC	Common Core Schema
CMC-ACCOUNT-SERVICE	CommonCore\cmc-account-services\Database\SMS\INC	SMS Schema
	CommonCore\cmc-account-services\Database\INC	Common Core Schema
CMC-BRANCH-SERVICE	CommonCore\cmc-branch-services\Database\SMS\INC	SMS Schema
	CommonCore\cmc-branch-services\Database\INC	Common Core Schema
CMC-BASE-SERVICE	CommonCore\cmc-base-services\Database\SMS\INC	SMS Schema
	CommonCore\cmc-base-services\Database\INC	Common Core Schema
CMC-CUSTOMER-SERVICE	CommonCore\cmc-customer-services\Database\SMS\INC	SMS Schema
	CommonCore\cmc-customer-services\Database\INC	Common Core Schema
CMC-CURRENCY-SERVICE	CommonCore\cmc-currency-services\Database\SMS\INC	SMS Schema
	CommonCore\cmc-currency-services\Database\INC	Common Core Schema
CMC-EXTERNAL-SYSTEM-SERVICE	CommonCore\cmc-external-system-services\Database\SMS\INC	SMS Schema
	CommonCore\cmc-external-system-services\Database\INC	Common Core Schema
CMC-SETTLEMENTS-SERVICE	CommonCore\cmc-settlements-services\Database\SMS\INC	SMS Schema
	CommonCore\cmc-settlements-services\Database\INC	Common Core Schema
CMC-TXN-CODE-SERVICE	CommonCore\cmc-txn-code-services\Database\SMS\INC	SMS Schema
	CommonCore\cmc-txn-code-services\Database\INC	Common Core Schema
CMC-EXTERNAL-CHART-ACCOUNT	CommonCore\cmc-external-chart-account-services\Database\SMS\INC	SMS Schema
	CommonCore\cmc-external-chart-account-services\Database\INC	Common Core Schema
CMC-ADVICE-SERVICES	CommonCore\cmc-advice-services\Database\SMS\INC	SMS Schema
	CommonCore\cmc-advice-services\Database\INC	Common Core Schema
CMC-FACILITIES-SERVICES	CommonCore\cmc-facilities-service\Database\INC	SMS Schema
	CommonCore\cmc-facilities-service\Database\SMS\INC	Common Core Schema
CMC-REPORT-SERVICE	CommonCore\cmc-report-service\Database\SMS\INC	SMS Schema

Service Name	From-Path	Compile To
	CommonCore\cmc-report-service\Database\INC	Common Core Schema

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## 3. Domain and Cluster Configuration

### 3.1 Common Core Domain Configuration

#### 3.1.1 Prerequisites

- JDK1.8.0\_171 must be installed in the machine.
- Oracle Fusion Middleware 12cR2 12.2.1.3 must be installed on the machine.

#### 3.1.2 Creating Domain

It is recommended to have different managed server in one domain for each application. For Creating Domain and Configuration refer to Annexure-1 How to create and Cluster Configuration.



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## 4. Data Sources Creation

### 4.1 Prerequisite

Database and application setup for Plato must be performed prior to deployment setup.

### 4.2 Data Sources List

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

Data Source Name	Data source JNDI	Targets
PLATO	jdbc/PLATO	Common Core Server
CMNCORE	jdbc/CMNCORE	

Steps to create data source in WebLogic is same for all the above except for the connection details and names. Check the screenshots to understand data source creation.

### 4.3 Creating Data Source

For creating data source refer Annexure-1 How to create Data sources section.

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## 5. Deployments

### 5.1 Pre-requisite

Before you proceed, ensure previous steps are completed.

### 5.2 Deployments List

The table lists details of the deployments required on each domain for the Common Core application to run. Deploy one after other in the same provided order.

Application	Archive name	OSDC Path	Targets
cmc-account-services	cmc-account-services-1.0.0.war	CommonCore\cmc-account-services\App	Common Core Server
cmc-base-services	cmc-base-services-1.0.0.war	CommonCore\cmc-base-services\App	Common Core Server
cmc-branch-services	cmc-branch-services-1.0.0.war	CommonCore\cmc-branch-services\App	Common Core Server
cmc-currency-services	cmc-currency-services-1.0.0.war	CommonCore\cmc-currency-services\App	Common Core Server
cmc-customer-services	cmc-customer-services-1.0.0.war	CommonCore\cmc-customer-services\App	Common Core Server
cmc-external-system-services	cmc-external-system-services-1.0.0.war	CommonCore\cmc-external-system-services\App	Common Core Server
cmc-settlements-services	cmc-settlements-services-1.0.0.war	CommonCore\cmc-settlements-services\App	Common Core Server
cmc-txn-code-services	cmc-txn-code-services-1.0.0.war	CommonCore\cmc-txn-code-services\App	Common Core Server
cmc-external-chart-account-services	cmc-external-chart-account-1.0.0.war	CommonCore\cmc-external-chart-account-services\App	Common Core Server
cmc-advice-services	cmc-advice-services-1.0.0.war	CommonCore\cmc-advice-services\App	Common Core Server
cmc-facilities-service	cmc-facilities-service-1.0.0.war	CommonCore\cmc-facilities-service\App	Common Core Server
cmc-report-service	cmc-report-service-1.0.0.war	CommonCore\cmc-report-service\App	Common Core Server

### 5.3 Steps to Deploy as Application

To deploy application refer Annexure-1. How to deploy section.

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## 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 refer to ANNEXURE-1.How to restart section.

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## 7. Logging Area

### 7.1 Introduction

This section provides information about the logs area where after deployment of Common Core Applications in WebLogic server.

#### 7.1.1 Logging Area

Common Core Application writes logs in the area of the server:

<WEBLOGIC\_DOMAIN\_CONFIG\_AREA>/servers/CMNCOREAPP/logs/ CMNCOREAPP.out

Let's assume a domain is created **CommonCore\_domain** with **managed\_server** name called **CMNCOREAPP** in the following area of the server

/scratch/oracle/middleware/user\_projects/domains/**CommonCore\_domain**. Logging area for Common core would be **/scratch/oracle/middleware/user\_projects/domains/ CommonCore\_domain/servers/CMNCOREAPP/logs/CMNCOREAPP.out**.