

Common Core Service Installation Guide

Release 14.3.0.0.0

Part No. F18230-01

May 2019



Common Core Service Installation Guide

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1.1 Introduction

This guide would help you to install the Plato infrastructure 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 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

1. CMC-COREBANKING-ADAPTER-SERVICE
2. CMC-CURRENCY-SERVICES
3. CMC-CUSTOMER-SERVICES
4. CMC-DATASEGMENT-SERVICES
5. CMC-EXTERNAL-CHART-ACCOUNT-SERVICES
6. CMC-EXTERNAL-SYSTEM-SERVICES
7. CMC-EXTERNAL-VIRTUAL-ACCOUNT-SERVICES
8. CMC-FACILITIES-SERVICE
9. CMC-REPORT-SERVICE
10. CMC-RESOURCE-SEGMENT-ORCHESTRATOR-SERVICE
11. CMC-SCREENCLASS-SERVICES
12. CMC-SETTLEMENTS-SERVICES
13. CMC-TRANSACTIONCONTROLLER-SERVICES
14. CMC-TXN-CODE-SERVICES
15. CMC-ACCOUNT-SERVICES
16. CMC-ADVICE-SERVICES
17. CMC-BASE-SERVICES
18. CMC-BRANCH-SERVICES
19. CMC-BUSINESSOVERRIDES-SERVICES

1.5 **Related Documents**

- Day 0 Setup Guide
- LDAP Setup Guide
- ANNEXURE-1
- Oracle Banking Corporate Lending Process Management Pre-Installation Guide
- Oracle Banking Corporate Lending Process Management Services Installation Guide
- Oracle Banking Corporate Lending Process Management User Interface Installation Guide
- Oracle Banking Corporate Lending Process Management BPMN Process Installation Guide
- Plato Infrastructure Services Installation Guide
- Security Management System Services Installation Guide
- SSL Setup Guide

2. Database Setup

2.1 Introduction

In this section you are going to setup database related configuration for Common Core 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.

2.3 Database Setup

To setup DB for Common Core 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
CMC-COREBANKING-ADAPTER-SERVICE	COMMON_CORE\cmc-corebanking-adapter-service\DB\DDL	Common Core Schema
CMC-CURRENCY-SERVICES	COMMON_CORE\cmc-currency-services\DB\DDL	Common Core Schema
CMC-CUSTOMER-SERVICES	COMMON_CORE\cmc-customer-services\DB\DDL	Common Core Schema
CMC-DATASEGMENT-SERVICES	COMMON_CORE\cmc-datasegment-services\DB\DDL	Common Core Schema
CMC-EXTERNAL-CHART-ACCOUNT-SERVICES	COMMON_CORE\cmc-external-chart-account-services\DB\DDL	Common Core Schema
CMC-EXTERNAL-SYSTEM-SERVICES	COMMON_CORE\cmc-external-system-services\DB\DDL	Common Core Schema
CMC-EXTERNAL-VIRTUAL-ACCOUNT-SERVICES	COMMON_CORE\cmc-external-virtual-account-services\DB\DDL	Common Core Schema
CMC-FACILITIES-SERVICE	COMMON_CORE\cmc-facilities-service\DB\DDL	Common Core Schema
CMC-REPORT-SERVICE	COMMON_CORE\cmc-report-service\DB\DDL	Common Core Schema
CMC-RESOURCE-SEGMENT-ORCHESTRATOR-SERVICE	COMMON_CORE\cmc-resource-segment-orchestrator-service\DB\DDL	Common Core Schema
CMC-SCREENCLASS-SERVICES	COMMON_CORE\cmc-screenclass-services\DB\DDL	Common Core Schema
CMC-SETTLEMENTS-SERVICES	COMMON_CORE\cmc-settlements-services\DB\DDL	Common Core Schema
CMC-TRANSACTIONCONTROLLER-SERVICES	COMMON_CORE\cmc-transactioncontroller-services\DB\DDL	Common Core Schema
CMC-TXN-CODE-SERVICES	COMMON_CORE\cmc-txn-code-services\DB\DDL	Common Core Schema
CMC-ACCOUNT-SERVICES	COMMON_CORE\cmc-account-services\DB\DDL	Common Core Schema

CMC-ADVICE-SERVICES	COMMON_CORE\cmc-advice-services\DB\DDL	Common Core Schema
CMC-BASE-SERVICES	COMMON_CORE\cmc-base-services\DB\DDL	Common Core Schema
CMC-BRANCH-SERVICES	COMMON_CORE\cmc-branch-services\DB\DDL	Common Core Schema
CMC-BUSINESSOVERRIDES-SERVICES	COMMON_CORE\cmc-businessoverrides-services\DB\DDL	Common Core Schema

INC's:-

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

Service Name	From-Path	Compile To
CMC-COREBANKING-ADAPTER-SERVICE	COMMON_CORE\cmc-corebanking-adapter-service\DB\SMS\INC	SMS Schema
	COMMON_CORE\cmc-corebanking-adapter-service\DB\INC	Common Core Schema
CMC-CURRENCY-SERVICES	COMMON_CORE\cmc-currency-services\DB\SMS\INC	SMS Schema
	COMMON_CORE\cmc-currency-services\DB\INC	Common Core Schema
CMC-CUSTOMER-SERVICES	COMMON_CORE\cmc-customer-services\DB\SMS\INC	SMS Schema
	COMMON_CORE\cmc-customer-services\DB\INC	Common Core Schema
CMC-DATASEGMENT-SERVICES	COMMON_CORE\cmc-datasegment-services\DB\SMS\INC	SMS Schema
	COMMON_CORE\cmc-datasegment-services\DB\INC	Common Core Schema
CMC-EXTERNAL-CHART-ACCOUNT-SERVICES	COMMON_CORE\cmc-external-chart-account-services\DB\SMS\INC	SMS Schema

	COMMON_CORE\cmc-external-chart-account-services\DB\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-EXTERNAL-VIRTUAL-ACCOUNT-SERVICES	COMMON_CORE\cmc-external-virtual-account-services\DB\SMS\INC	SMS Schema
	COMMON_CORE\cmc-external-virtual-account-services\DB\INC	Common Core Schema
CMC-FACILITIES-SERVICE	COMMON_CORE\cmc-facilities-service\DB\SMS\INC	SMS Schema
	COMMON_CORE\cmc-facilities-service\DB\INC	Common Core Schema
CMC-REPORT-SERVICE	COMMON_CORE\cmc-report-service\DB\SMS\INC	SMS Schema
	COMMON_CORE\cmc-report-service\DB\INC	Common Core Schema
CMC-RESOURCE-SEGMENT-ORCHESTRATOR-SERVICE	COMMON_CORE\cmc-resource-segment-orchestrator-service\DB\SMS\INC	SMS Schema
	COMMON_CORE\cmc-resource-segment-orchestrator-service\DB\INC	Common Core Schema
CMC-SCREENCLASS-SERVICES	COMMON_CORE\cmc-screenclass-services\DB\INC	SMS Schema
	COMMON_CORE\cmc-screenclass-services\DB\SMS\INC	Common Core Schema
CMC-TRANSACTIONCONTROLLER-SERVICES	COMMON_CORE\cmc-transactioncontroller-services\DB\SMS\INC	SMS Schema
	COMMON_CORE\cmc-transactioncontroller-services\DB\INC	Common Core Schema
CMC-TXN-CODE-SERVICES	COMMON_CORE\cmc-txn-code-services\DB\SMS\INC	SMS Schema
CMC-COMMENTS-SERVICES	CommonCore\cmc-comments-services\Database\SMS\INC	SMS Schema
CMC-ACCOUNT-SERVICES	COMMON_CORE\cmc-account-services\DB\SMS\INC	SMS Schema

CMC-ADVICE-SERVICES	COMMON_CORE\cmc-account-services\DB\SMS	SMS Schema
CMC-BASE-SERVICES	COMMON_CORE\cmc-advice-services\DB\SMS	SMS Schema
CMC-BRANCH-SERVICES	COMMON_CORE\cmc-branch-services\DB\SMS	SMS Schema
CMC-BUSINESSOVERRIDES-SERVICES	COMMON_CORE\cmc-businessoverrides-services\DB\SMS	SMS Schema

3. 1. Domain and Cluster Configuration

3.1 Common Core Domain Configuration

3.1.1 Prerequisites

1. Machine should have Java JDK1.8.0_202 has installed.
2. 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.

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 below screenshots to understand data source creation.

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

Note: Common Core Services should be deployed in different Domain server, as to maintain the data source independent/unique for midoffice schema.

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

Application	Archive name	OSDC path	Targets
cmc-corebanking-adapter-service	cmc-corebanking-adapter-service-1.0.3.war	COMMON_CORE\cmc-corebanking-adapter-service\APP	Common Core Server
cmc-currency-services	cmc-currency-services-1.0.3.war	COMMON_CORE\cmc-currency-services\APP	Common Core Server
cmc-customer-services	cmc-customer-services-1.0.3.war	COMMON_CORE\cmc-customer-services\APP	Common Core Server
cmc-datasegment-services	cmc-datasegment-services-1.0.3.war	COMMON_CORE\cmc-datasegment-services\APP	Common Core Server
cmc-external-chart-account-services	cmc-external-chart-account-services-1.0.3.war	COMMON_CORE\cmc-external-chart-account-services\APP	Common Core Server

cmc-external-system-services	cmc-external-system-services-1.0.3.war	COMMON_CORE\cmc-external-system-services\APP	Common Core Server
cmc-external-virtual-account-services	cmc-external-virtual-account-services-1.0.3.war	COMMON_CORE\cmc-external-virtual-account-services\APP	Common Core Server
cmc-facilities-service	cmc-facilities-service-1.0.3.war	COMMON_CORE\cmc-facilities-service\APP	Common Core Server
cmc-report-service	cmc-report-service-1.0.3.war	COMMON_CORE\cmc-report-service\APP	Common Core Server
cmc-resource-segment-orchestrator-service	cmc-resource-segment-orchestrator-service-1.0.3.war	COMMON_CORE\cmc-resource-segment-orchestrator-service\APP	Common Core Server
cmc-screenclass-services	cmc-screenclass-services-1.0.3.war	COMMON_CORE\cmc-screenclass-services\APP	Common Core Server
cmc-settlements-services	cmc-settlements-services-1.0.3.war	COMMON_CORE\cmc-settlements-services\APP	Common Core Server
cmc-transactioncontroller-services	cmc-transactioncontroller-services-1.0.3.war	COMMON_CORE\cmc-transactioncontroller-services\APP	Common Core Server
cmc-txn-code-services	cmc-txn-code-services-1.0.3.war	COMMON_CORE\cmc-txn-code-services\APP	Common Core Server
cmc-account-services	cmc-account-services-1.0.3.war	COMMON_CORE\cmc-account-services\APP	Common Core Server
cmc-advice-services	cmc-advice-services-1.0.3.war	COMMON_CORE\cmc-advice-services\APP	Common Core Server
cmc-base-services	cmc-base-services-1.0.3.war	COMMON_CORE\cmc-base-services\APP	Common Core Server
cmc-branch-services	cmc-branch-services-1.0.3.war	COMMON_CORE\cmc-branch-services\APP	Common Core Server
cmc-businessoverrides-services	cmc-businessoverrides-services-1.0.3.war	COMMON_CORE\cmc-businessoverrides-services\APP	Common Core Server

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:-

Common Core Application writes logs in the below area of the server-

<WEBLOGIC_DOMAIN_CONFIG_AREA>/servers/CMNCOREAPP/logs/ CMNCOREAPP.out

Let's assume a domain has been 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.**

8. Associated Functions

8.1 <Detail 1>

8.2 <Detail 2>