

Common Core Service Installation Guide
Oracle Banking Liquidity Management
Release 14.2.0.0.0
[December] [2018]



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1.1 Introduction

This guide would help you to install the Common Core 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 Common Core 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

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

- CMC-BASE-SERVICE Service
- CMC-ACCOUNT-SERVICE
- CMC-BRANCH-SERVICE Service
- CMC-CUSTOMER-SERVICE Service
- CMC-CURRENCY-SERVICE Service
- CMC-EXTERNAL-SYSTEM-SERVICE Service
- CMC-REPORT-SERVICE Services

1.5 Related Documents

- Day-0 Setup Guide
- LDAP Setup Guide
- Oracle Banking Liquidity Management Annexure
- Oracle Banking Liquidity Management Pre-Installation Guide
- Oracle Banking Liquidity Management Services Installation Guide
- Oracle Banking Liquidity Management User Interface 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 services Installation. It is recommended to create separate schema for common core database setup.

2.2 Prerequisite

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

Note: To know server's port no refer ANNEXURE-1. "How to check port no" section.

2.3 Database Setup

There are two alternate ways to create the database setup, viz.

1. Collect scripts from both the path mentioned in From-Path section in the table and compile into respective schemas.
2. Run the **cmc_db_setup.plb** file from the OSDC package.

[Note: To Compile DDL, SEQ or INC please refer- ANNEXURE-1.docx "How to compile DDL, SEQ and INC Section". To execute cmc_db_setup.plb please refer ANNEXURE-1.docx "How to execute PLB file."]

DDL:

Service Name	From-Path	Compile To
COMMON_INFRA	\\COMMON_INFRA\DB\DDL	Common Core Schema
CMC-BASE-SERVICES	\\COMMON_CORE\cmc-base-services\DB\DOMAIN\DDL	Common Core Schema
CMC-ACCOUNT-SERVICES	\\COMMON_CORE\cmc-account-services\DB\DOMAIN\DDL	Common Core Schema
CMC-BRANCH-SERVICES	\\COMMON_CORE\cmc-branch-services\DB\DOMAIN\DDL	Common Core Schema
CMC-CUSTOMER-SERVICES	\\COMMON_CORE\cmc-customer-services\DB\DOMAIN\DDL	Common Core Schema

CMC-CURRENCY-SERVICES	\\COMMON_CORE\cmc-currency-services\DB\DOMAIN\DDL	Common Core Schema
CMC-EXTERNAL-SYSTEM-SERVICES	\\COMMON_CORE\cmc-external-system-services\DB\DOMAIN\DDL	Common Core Schema
CMC-REPORT-SERVICES	\\COMMON_CORE\cmc-report-services\DB\DOMAIN\DDL	Common Core Schema

INC:

Service Name	From-Path	Compile To
COMMON_INFRA	\\COMMON_INFRA\DB\INC	Common Core Schema
CMC-BASE-SERVICES	\\COMMON_CORE\cmc-base-services\DB\PLATO\INC	PLATO Schema
	\\COMMON_CORE\cmc-base-services\DB\SMS\INC	SMS Schema
	\\COMMON_CORE\cmc-base-services\DB\DOMAIN\INC	Common Core Schema
CMC-ACCOUNT-SERVICES	\\COMMON_CORE\cmc-account-services\DB\SMS\INC	SMS Schema
	\\COMMON_CORE\cmc-account-services\DB\DOMAIN\INC	Common Core Schema
CMC-BRANCH-SERVICES	\\COMMON_CORE\cmc-branch-services\DB\SMS\INC	SMS Schema
	\\COMMON_CORE\cmc-branch-services\DB\DOMAIN\INC	Common Core Schema
CMC-CUSTOMER-SERVICES	\\COMMON_CORE\cmc-customer-services\DB\SMS\INC	SMS Schema
	\\COMMON_CORE\cmc-customer-services\DB\DOMAIN\INC	Common Core Schema
CMC-CURRENCY-SERVICES	\\COMMON_CORE\cmc-currency-services\DB\SMS\INC	SMS Schema
	\\COMMON_CORE\cmc-currency-services\DB\DOMAIN\INC	Common Core Schema
CMC-EXTERNAL-SYSTEM-SERVICES	\\COMMON_CORE\cmc-external-system-services\DB\SMS\INC	SMS Schema
	\\COMMON_CORE\cmc-external-system-services\DB\DOMAIN\INC	Common Core Schema

CMC-REPORT-SERVICES	\COMMON_CORE\cmc-report-services\DB\SMS\INC	SMS Schema
	\COMMON_CORE\cmc-report-services\DB\DOMAIN\INC	Common Core Schema

3. Domain & Cluster Configuration

3.1 CMC Domain Configuration

3.1.1 Prerequisite

- Database setup for all the modules viz. Plato, SMS, Common Core, OBLM Services and all Day-0 setups must be completed. **(Required)**
- Machine should have Java JDK1.8.0_181 has installed.
- Oracle Fusion Middleware 12cR2 12.2.1.3 has to be installed on the machine.

3.1.2 Domain Creation and Configuration

It is recommended to create the domain structure as given below and also to maintain the same nomenclature. For Creating Domain and Configuration please refer to ANNEXURE-1 “**How to create and Cluster Configuration**”.

Domain name: cmc

- ❖ cmc_account_cluster
 - managed_server1
- ❖ cmc_base_cluster
 - managed_server2
- ❖ cmc_branch_cluster
 - managed_server3
- ❖ cmc_currency_cluster
 - managed_server4
- ❖ cmc_customer_cluster
 - managed_server5
- ❖ cmc_ext_system_cluster
 - managed_server6
- ❖ cmc_report_cluster
 - managed_server7

4. Data Sources Creation

4.1 Prerequisite

- Database schema for common core is created and all the required grants are given.
- cmc domain and clusters are created.

4.2 Data sources List

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

Data Source Name	Data Source JNDI	Target
PLATO	jdbc/PLATO	managed_server1 managed_server2
CMNCORE	jdbc/CMNCORE	managed_server3 managed_server4
jdbc/sms	jdbc/sms	managed_server5 managed_server6 managed_server7

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

Note: 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.

5. Deployments

5.1 Prerequisite

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

5.2 Deployment List

Below table give details of the deployments required on each Server for the common core applications to run. Deploy one after other in the same given order.

Application	Archive Name	OSDC Path	Target
cmc-base-services	cmc-base-services-1.0.2.war	\COMMON_CORE\cmc-base-services\APP	managed_server1
cmc-account-services	cmc-account-services-1.0.2.war	\COMMON_CORE\cmc-account-services\APP	managed_server2
cmc-branch-services	cmc-branch-services-1.0.2.war	\COMMON_CORE\cmc-branch-services\APP	managed_server3
cmc-currency-services	cmc-currency-services-1.0.2.war	\COMMON_CORE\cmc-currency-services\APP	managed_server4
cmc-customer-services	cmc-customer-services-1.0.2.war	\COMMON_CORE\cmc-customer-services\APP	managed_server5
cmc-external-system-services	cmc-external-system-services-1.0.2.war	\COMMON_CORE\cmc-external-system-services\APP	managed_server6
cmc-report-services	cmc-report-service-1.0.2.war	\COMMON_CORE\cmc-report-services\APP	managed_server7

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, 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.

7.1 Introduction

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

Logging Area

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

<WEBLOGIC_DOMAIN_CONFIG_AREA>/servers/CMNCOREAPP/logs/CMNCOREAPP
P.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.**



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Version 14.2.0.0.0
[Dec] [2018]

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