

Common Core Service Installation Guide

Release 14.1.0.1.0

December 2018



Common Core Service Installation Guide

Oracle Financial Services Software Limited
Oracle Park
Off Western Express Highway
Goregaon (East)
Mumbai, Maharashtra 400 063
India
Worldwide Inquiries:
Phone: +91 22 6718 3000
Fax: +91 22 6718 3001
www.oracle.com/financialservices/

Copyright © 2018 Oracle and/or its affiliates. All rights reserved.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are “commercial computer software” pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited. The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, report them to us in writing.

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

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
2. DATABASE SETUP.....	2-1
2.1 INTRODUCTION	2-1
2.2 PRE-REQUISITE	2-1
2.3 DATABASE SETUP	2-1
3. 1. DOMAIN AND CLUSTER CONFIGURATION	3-1
3.1 COMMON CORE DOMAIN CONFIGURATION.....	3-1
3.1.1 <i>Prerequisites</i>	3-1
3.1.2 <i>Creating Domain</i>	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	4-1
5. DEPLOYMENTS	5-1
5.1 PREREQUISITE	5-1
5.2 DEPLOYMENTS LIST.....	5-1
5.3 DEPLOYING AS AN APPLICATION	5-1
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 <i>Logging Area</i>	7-1

1. Preface

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

- 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

2. Database Setup

2.1 Introduction

In this section, you will setup database related configuration for Common Core Installation.

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 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
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

Service Name	From-Path	Compile To
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.

Service Name	From-Path	Compile To
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

Service Name	From-Path	Compile To
	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
	CommonCore\cmc-report-service\Database\ INC	Common Core 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_171 has installed.
2. Oracle Fusion Middleware 12cR2 12.2.1.3 has to 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 Oracle Banking Virtual Account Management Annexure “**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 refer Oracle Banking Virtual Account Management Annexure “**How to create Data sources section**”.

5. Deployments

5.1 Prerequisite

Before you proceed with below, ensure previous steps are completed.

5.2 Deployments List

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-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 Deploying as an Application

To deploy application refer Oracle Banking Virtual Account Management Annexure “**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 refer to Oracle Banking Virtual Account Management Annexure “**How to restart**” section.

7. Logging Area

7.1 Introduction

This part of the document will talk about the logging area of Common Core Applications in server.

7.1.1 Logging Area

Logging area is configurable, you can configure any path within the server, where you want Common Core applications to write logs. Common Core applications will write logs in the configured path with below name:

<Application name>.logs

Example, if application name is **cmc-account-services**, then logs file name would be cmc-account-services.logs

To configure logging path, refer Oracle Banking Virtual Account Management Annexure Post Domain Creation Section.