

OBELCM Installation
Oracle Banking Enterprise Limits and Collateral Management
Release 14.7.3.0.0
Part No. F99336-01
[March] [2024]



Table of Contents

1.	ORACLE BANKING ELCM INSTALLATION.....	1-1
1.1	INTRODUCTION.....	1-1
1.2	DEPLOYMENT OPTIONS	1-1
1.2.1	Centralized.....	1-1
1.3	ORACLE FLEXCUBE INSTALLATION VARIETIES.....	1-1
1.3.1	Creating New Installation Directory	1-2
1.3.2	Creating Patch-set Directory.....	1-2
1.3.3	New Installation.....	1-3
1.3.4	Retail Operations Installation	1-3
1.3.5	Cloning Existing Environment	1-3
1.3.6	Applying Patchset.....	1-3
1.4	COMPONENTS OF ORACLE FLEXCUBE	1-4
1.4.1	Plugins Required.....	1-4
1.4.2	Setting up the Plug-Ins.....	1-5
1.4.3	Manual Deployment	1-5
1.4.4	OBELCM Application Installation	1-5
1.4.5	GATEWAY Application Installation.....	1-7
1.4.6	Oracle Banking ELCM Process Flow Deployment	1-7

1. Oracle Banking ELCM Installation

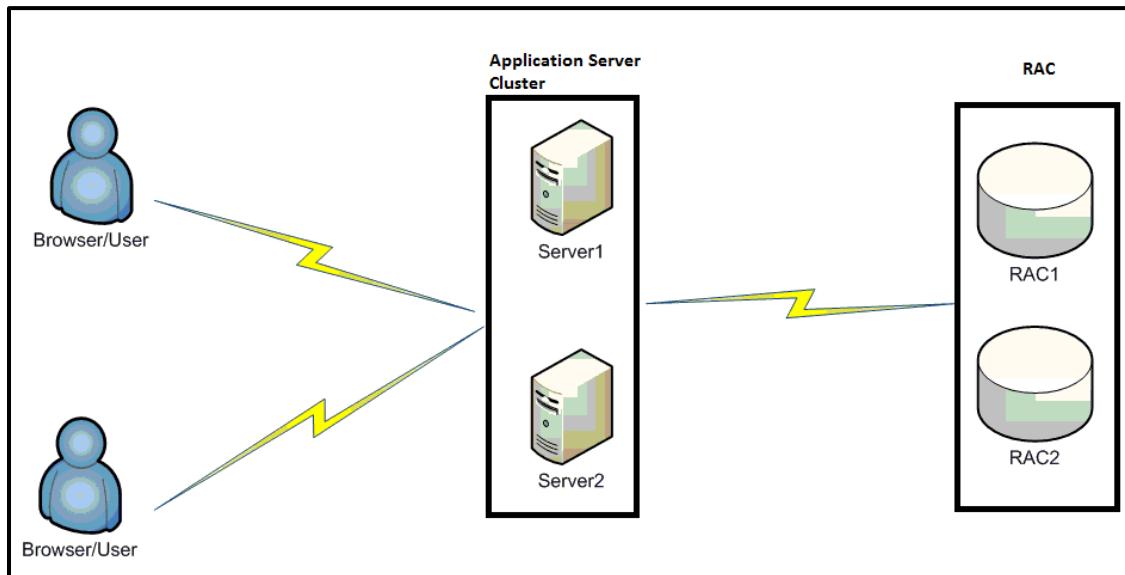
1.1 Introduction

This manual is designed to help you get acquainted with the various deployment options supported by the installer, the various components that make Oracle Banking ELCM, the plugins that are supported by these components and the detailed installation steps of the various components supported by Oracle Banking.

1.2 Deployment Options

Centralized	In this mode there will be only one setup. The build, configuration and deployment would be targeted to this setup alone.
--------------------	---

1.2.1 Centralized

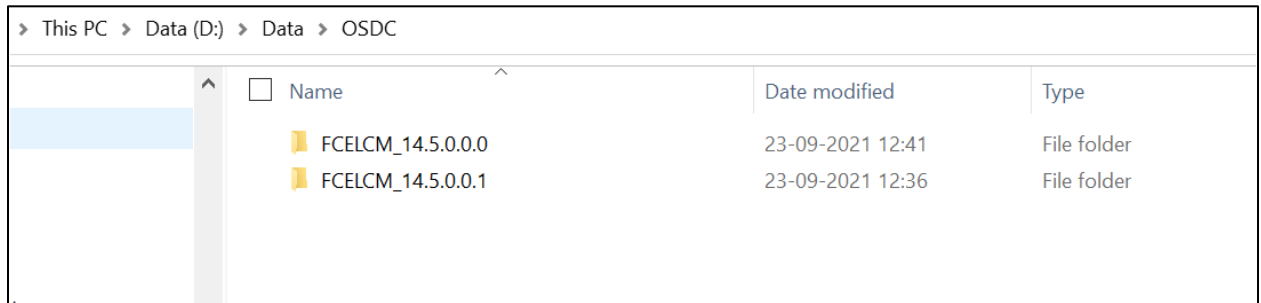


1.3 Oracle FLEXCUBE Installation Varieties

Installing FLEXCUBE can happen in multiple varieties. Please follow steps mentioned in first 3 sections before starting any installation steps.

Installer does not accept spaces in file path. Its applicable for all path including but not limited to source path, temp destination directory, property file path etc.

The below screenshot shows sample “OSDC.zip” folder structure. This is the location to be pointed, if installer asks for FC Home directory.



The screenshot shows a Windows File Explorer window with the address bar set to 'This PC > Data (D:) > Data > OSDC'. The main pane displays a list of folders:

Name	Date modified	Type
FCELCM_14.5.0.0.0	23-09-2021 12:41	File folder
FCELCM_14.5.0.0.1	23-09-2021 12:36	File folder

In the above screenshot, main release content can be found directly under this directory.

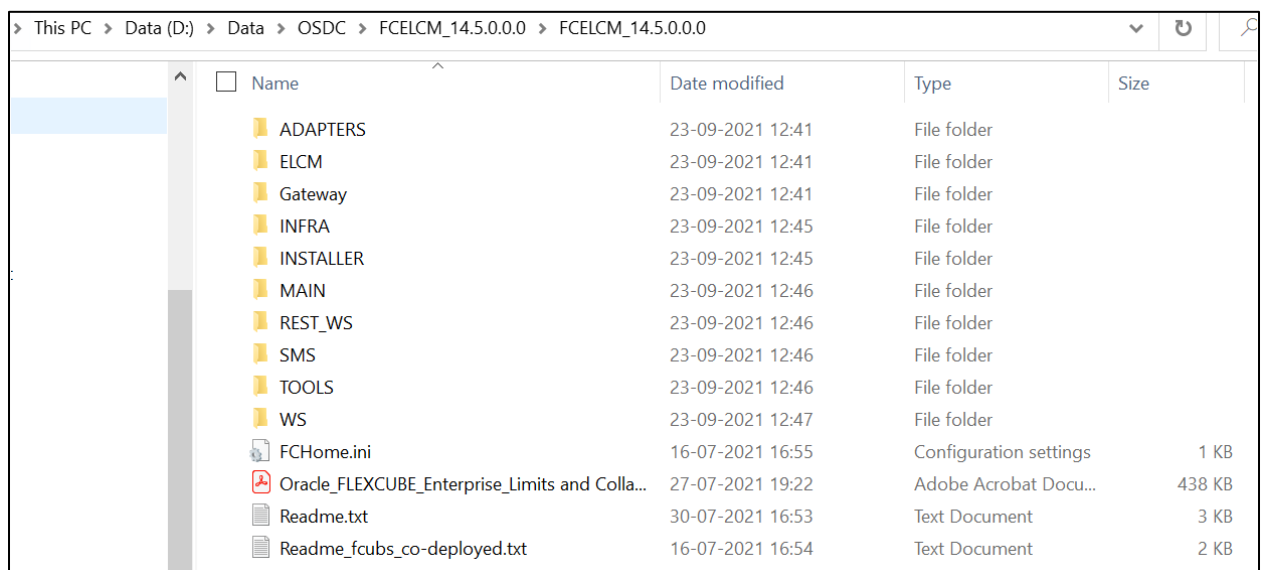
1.3.1 Creating New Installation Directory

Extract the ZIP file **FCELCM_<Version>.zip**.

1. Create a **FCELCM_<Version>** Folder and extract the above zip into this folder.
2. Make sure that **FCELCM_<Version>** Directory is accessible by both Application server and Database Server.

1.3.2 Creating Patch-set Directory

1. Extract the ZIP file **FCELCM_<Patch No>.zip** into **FCELCM_<Patch No>** folder.
2. Make Sure that the **FCELCM_<Patch No>** folder should be kept parallel to **FCELCM_<Version>** folder as shown below.



The screenshot shows a Windows File Explorer window with the address bar set to 'This PC > Data (D:) > Data > OSDC > FCELCM_14.5.0.0.0 > FCELCM_14.5.0.0.0'. The main pane displays a list of folders and files:

Name	Date modified	Type	Size
ADAPTERS	23-09-2021 12:41	File folder	
ELCM	23-09-2021 12:41	File folder	
Gateway	23-09-2021 12:41	File folder	
INFRA	23-09-2021 12:45	File folder	
INSTALLER	23-09-2021 12:45	File folder	
MAIN	23-09-2021 12:46	File folder	
REST_WS	23-09-2021 12:46	File folder	
SMS	23-09-2021 12:46	File folder	
TOOLS	23-09-2021 12:46	File folder	
WS	23-09-2021 12:47	File folder	
FCHome.ini	16-07-2021 16:55	Configuration settings	1 KB
Oracle_FLEXCUBE_Enterprise_Limits and Colla...	27-07-2021 19:22	Adobe Acrobat Docu...	438 KB
Readme.txt	30-07-2021 16:53	Text Document	3 KB
Readme_fcubs_co-deployed.txt	16-07-2021 16:54	Text Document	2 KB

1.3.3 **New Installation**

This section explains the step-by-step procedure for fresh installation using installer:

1. Apply the environment settings for FLEXCUBE. (Refer to the document Oracle Banking ELCM Pre-requisites).

1.3.4 **Retail Operations Installation**

This section explains the step-by-step procedure for installing Retail Operations.

1. Perform the Retail Operations Installation. (Refer to the document Retail Operations Pre Installation Guide).

1.3.5 **Cloning Existing Environment**

1. Navigate to the folder, which was chosen as **FCELCM_<Version>** and Launch the installer by running FCUBSInstaller.bat in the Installer folder.
2. Import a dump of FLEXCUBE database. (Refer 'Installing Oracle FLEXCUBE Database' chapter of Oracle Banking ELCM DB Setup).
3. Create two FLEXCUBE Users using Installer.(Refer User Creation Utility document under Utilities).
4. Get the Property file of the Environment to be cloned and Modify the property file by loading it in the Installer.
5. Update the Ear file with the New Property File.
6. Deploy the Built EAR in application server and login to the FLEXCUBE.
7. Login into FLEXCUBE using the users created as part of step3 and reset/Modify the Password of all the users.

1.3.6 **Applying Patchset**

This section describes applying patchset. The PATCHSET_INSTALLATION flag should be Y in env.properties.

1.3.6.1 **Applying FLEXCUBE Patch Set - Middleware**

Weblogic

1. Navigate to the Patch Set folder **FCELCM_<Patch No>** and Launch the installer by running FCUBSInstaller.bat in the Installer folder.
2. Provide the path of the **FCELCM_<Patch No>** folder as Source Path.
3. Build an EAR by loading the existing property file.
4. Deploy the built EAR in weblogic application server.



Building of EAR can be done in remote location but the application deployment should be done in local system where the application server is installed.

Websphere

1. Navigate to the folder which was chosen as **FCELCM_<Patch No>** and Launch the installer by running FCUBSInstaller.bat in the Installer folder.
2. Provide the path of the **FCELCM_<Patch No>** folder as Source Path.
3. Build an EAR by loading the existing property file
4. Deploy the built EAR in websphere application server.

1.3.6.2 Applying FLEXCUBE Patch set - DATABASE

1. Navigate to the folder which was chosen as **FCELCM_<Patch No>** and Launch the installer by running FCUBSInstaller.bat in the Installer folder.
2. Compile the Data Base Objects by Referring to DB Compilation Document.
3. Provide the path of the **FCELCM_<Patch No>** folder as Source Path.
4. Provide Database server connection details.
5. Apply the patch set into the Database server.

1.4 Components of Oracle FLEXCUBE

Following are the components of the oracle FLEXCUBE:

- Open Development Tool (ODT)
- FLEXCUBE Universal Banking Solution (FCUBS)
- GATEWAY
- Restful Services
- Standalone Scheduler

1.4.1 Plugins Required

Application	Plug-ins Supported
Open Development Tool	Not applicable
Oracle FLEXCUBE Universal Banking	• Branch • BPEL • Scheduler • Reports • OFTW • DMS • Insulation
Oracle Banking ELCM	• BPEL • Scheduler • Reports • OFTW

	• DMS
Gateway	Not applicable
Restful Services	Not applicable
Standalone Scheduler	Not applicable

1.4.2 **Setting up the Plug-Ins**

The Setting up Plugins document describes the step by step details of setting up the various plug-ins supported by Oracle FLEXCUBE. This is under Oracle Banking ELCM Installation.

1.4.3 **Manual Deployment**

This section explains the steps to deploy Oracle Banking ELCM application manually. Application server resources required are detailed in “Resources To Be Created” document. This is present under Environment Setup > Application Server.

For Weblogic, refer the document “Manual_Deployment_WL”.

For Websphere, refer the document “Manual_Deployment_WAS”.

For Tomcat, refer the document “Branch_Deployment_on_Tomcat”.



Tomcat is supported only for Deployment of Decentralized branch war file. FCELCM EAR deployment is only on Weblogic or Websphere.

All these documents are present in the Environment Setup > Application Server.

1.4.4 **OBELCM Application Installation**

The documents can be referred under Oracle Banking ELCM Components > ELCM.

This Section describes the various operations performed for OBELCM application. This application is operated in two modes during property file creation: • Custom mode: All inputs are provided by the user. • Default Mode: Property file is created by considering the default properties. User inputs are minimal.	
Database Installation	This document gives the step by step instructions for setting up OBELCM Data Base. It also explains the process of importing full dump, and also explains the process of loading static data. Refer to the document Oracle Banking ELCM DB Setup
Building Property File	This section explains the detailed instructions to be followed for Building OBELCM Property file, it explains the instructions for setting up the property file with plug-ins and plug-in related properties. Refer to the document Oracle Banking ELCM Property File Creation
Building Ear	This section explains the detailed instructions to be followed for Building OBELCM EAR, it explains the step by step instructions for building the EAR

	with the corresponding property file. Refer to the document Oracle Banking ELCM EAR Building		
Application Deployment	Weblogic	FULL Deployment	This section gives the detailed instructions for FULL deployment of OBELCM application in weblogic server, it also explains the basic instructions for creating the resources required for deployment of OBELCM application. Refer to the document FUBS_Application_Deployment_Weblogic
		Patch/Patchset Deployment	This section gives the detailed instructions for Partial deployment of OBELCM application, It explains the steps for deployment of the patches of the existing ear in weblogic server. Refer to the document FUBS_Application_Deployment_Weblogic
	Websphere	FULL Deployment	This section gives the detailed instructions for FULL deployment of OBELCM application in websphere server, it explain the steps to be followed for deploying OBELCM application in websphere server using installer. Refer to the document FUBS_Application_Deployment_Websphere
		Patch/Patchset Deployment	This section gives the detailed instructions for partial deployment of OBELCM application in websphere server, it explains the steps to be followed for deploying the patches for the existing application in websphere server. Refer to the document FUBS_Application_Deployment_Websphere
Building Property file	This section explains the detailed instructions to be followed for Building GATEWAY Property file, it explains the instructions for setting up the property file with plugins and plugin related properties. Refer to the document GATEWAY_Property_File_Creation		

1.4.5 GATEWAY Application Installation

The documents can be referred under FCUBS Components > Restful Services.

Building Ear	This section explains the detailed instructions to be followed for Building Restful Service EAR, it explains the step by step instructions for building the EAR. Refer to the document RESTService Compliation Build	
Application Deployment	Weblogic	This section gives the detailed instructions for FULL deployment of Restful application in weblogic server. Refer to the document RESTService Deployment Weblogic
	Websphere	This section gives the detailed instructions for FULL deployment of Restful application in websphere server. Refer to the document RESTService Deployment Websphere

1.4.6 Oracle Banking ELCM Process Flow Deployment

OBELCM Process Flow Deployment	This section describes the instructions for OBELCM process flow deployment, it also provides detailed description on deploying OBELCM BPEL process flows onto a weblogic server configured with SOA suite components . It covers different approaches for deploying a process. Refer to the document Oracle Banking ELCM ProcessFlow Deployment under Oracle Banking ELCM Installation.
---------------------------------------	---

Building Property file	This section explains the detailed instructions to be followed for Building Scheduler Property file, it explains the instructions for setting up the property file with plugins and plugin related properties. Refer to the document Scheduler Property File Creation
-------------------------------	---

All documents can be referred under Oracle Banking ELCM Components > Scheduler.



Oracle Banking ELCM Installation
[March] [2024]
Version 14.7.3.0.0

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
<https://www.oracle.com/industries/financial-services/index.html>

Copyright © [2007], [2024], 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, please 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.