

OBELCM Installation
Oracle Banking Enterprise Limits and Collateral Management
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1. Oracle Banking ELCM Installation

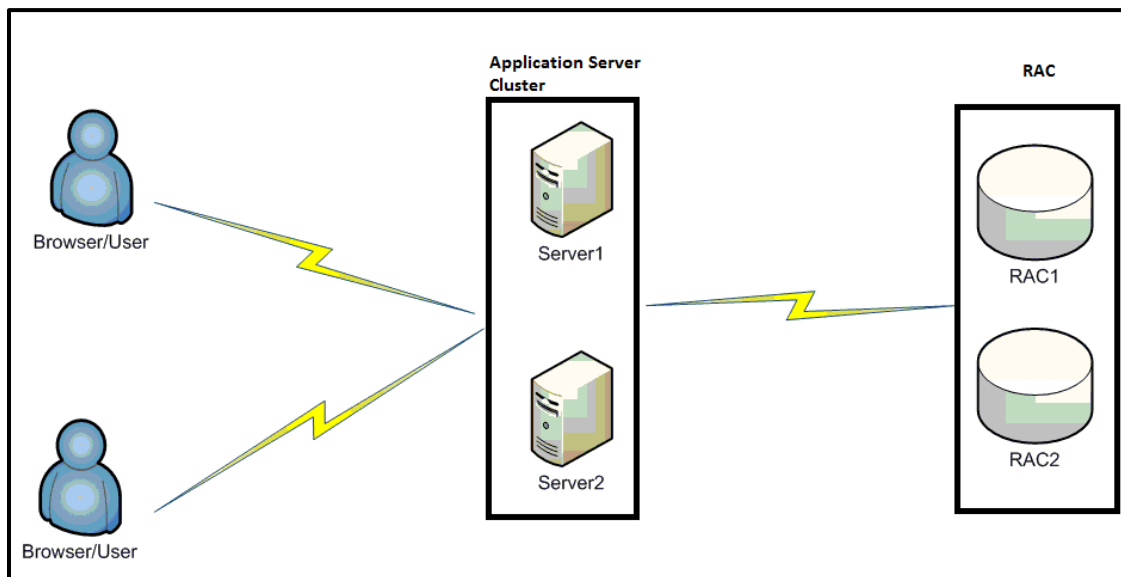
1.1 Introduction

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

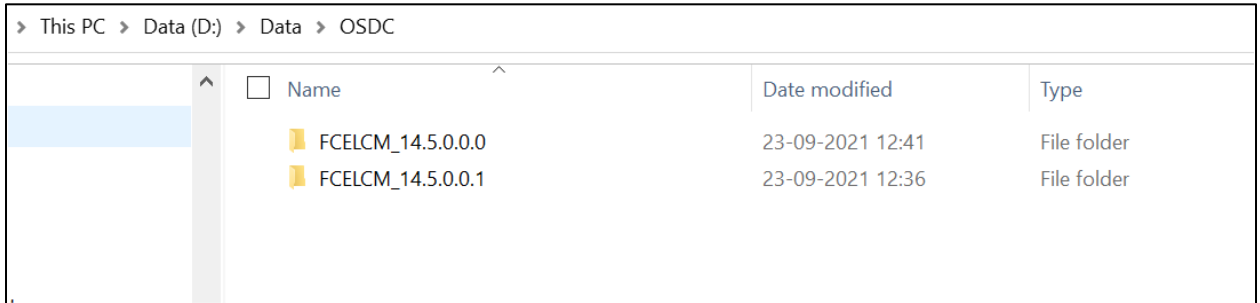


1.3 Oracle FLEXCUBE Installation Varieties

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.



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.



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 | <ul style="list-style-type: none">• Branch• BPEL• Scheduler• Reports• OFTW• DMS• Insulation |
| Oracle Banking ELCM | <ul style="list-style-type: none">• BPEL• Scheduler• Reports• OFTW |

| | |
|----------------------|---|
| | <ul style="list-style-type: none"> • 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.

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| <p>This Section describes the various operations performed for OBELCM application. This application is operated in two modes during property file creation:</p> <ul style="list-style-type: none"> • 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 |

| | | | |
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| | 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.

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| 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

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|---------------------------------------|---|
| 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. |
|---------------------------------------|---|

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| 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.



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