Oracle FLEXCUBE Pre-Requisites
Oracle FLEXCUBE Universal Banking
Release 14.4.0.1.0
[August] [2020]



Table of Contents

1. INSTALLER PREREQUISITE SETUP 1-1

ORACLE

1. Installer Prerequisite Setup

The overview of this document is to share you the knowledge on how installer is designed.

Two installer modes have to be used during setup of environment:

1. GUI Installer –
    - Located under \INSTALLER\GUI
    - GUI Installer is required for below activities:
    - Property File Creation
    - Basic Setup
    - Environment Property file configuration
    -
2. Silent Installer –
    - Located under \INSTALLER\SOFT
    - Silent Installer will be required for below activities:
    - Database Setup
    - EAR Building

Source Structure:

The Installation can be done in different ways and Source Structure should be maintained as below:

1. ROFC without OBCL:

   The ROFC_OSDC.zip can be used without any modifications.

2. ROFC with OBCL:

   The OBCL folder from OBCL_OSDC.zip should be copied parallel to INFRA folder of ROFC_OSDC.zip.

   In addition, copy the following class folders from \INFRA of OBCL OSDC.zip file to ROFC\INFRA folder
    - PIApps
    - PICommon
    - PIDto
    - PIEJB
    - PIEntities
    - PIKernel
    - PIKernelDao
    - PIUtility

- **COCommon**
- **CODto**
- COEJB
- COEntities
- COKernel
- COKernelDao
- COUtility

3. ROFC with ELCM:

   ELCM and POJO folders from ELCM_OSDC.zip should be copied parallel to INFRA folder of ROFC_OSDC.zip

   In addition, copy the following class folders from \INFRA of ELCM OSDC.zip file to ROFC\INFRA folder

   - ELCMCommon
   - ELCMDto
   - ELCMEJB
   - ELCMEntities
   - ELCMGateway
   - ELCMKernel
   - ELCMKernelJpa
   - ELCMUtility
   - ELCMWeb

4. ROFC without ELCM:

   The ROFC_OSDC.zip can be used without any modifications.

5. OBCL without ELCM:

   The OBCL_OSDC.zip can be used without any modifications.

6. OBCL with ELCM:

   ELCM and POJO folders from ELCM_OSDC.zip should be copied parallel to INFRA folder of OBCL_OSDC.zip

   In addition, copy the following class folders from \INFRA of ELCM OSDC.zip file to OBCL\INFRA folder

   - ELCMCommon
   - ELCMDto
   - ELCMEJB
   - ELCMEntities
   - ELCMGateway

- ELCMKernel
- ELCMKernelJpa
- ELCMUtility
- ELCMWeb

5. ELCM: The ELCM_OSDC.zip can be used without any modifications.

6. PM: The PM_OSDC.zip can be used without any modifications.

7. CO-DEPLOY: The OBCL folder from OBCL_OSDC.zip and PM folder from PM_OSDC.zip should be copied parallel to INFRA folder of ROFC_OSDC.zip

- **Environment Setup Steps:**

Below are the sequence of steps to be followed during Environment Setup:

1. Property File Creation: (Refer: Installer_Property_File_Creation.pdf)
    - Two property files are generated
    - - "fcubs.properties", i.e. required for application EAR building.
    - - "env.properties", i.e. common property required for environment setup.
2. Maintaining environment property file: (Refer next section)
    - Modification of the generated “env.properties”, if required, is to be done in this step.
3. Database Setup: (Refer: FCUBS_DB_Setup.pdf)
    - Database setup involves DDL Load, Object Compilation and Static Data Compilation. This is done using the silent installer.
4. Basic Setup: (Refer: FCUBS_DB_Setup.pdf)
    - Post INC Load, basic setup has to be done. Basic Setup is done using GUI Installer.

5. Application EAR build: (Refer: FCUBS_EAR_Building.pdf)
    - FCUBS Application and Gateway EAR building can be done using the silent installer.
    - Environment Property file configuration:

```
#Thu Nov 16 15:05:27 IST 2017
EXTERNAL_JSUIXML_REQUIRED=N
FCUBS_PROPERTIES_PATH=D:/Projects/Project-Installer/125_core_support/SOFT/INSTALLER/SOFT/GUI/scheduler.properties
JAVA_HOME=d:/jdk8
DECENTRALIZED=N
RECENT_BROWSE_LOCATION=D:/Projects/Project-Installer/Bugs/125-enhancement/New/propertyfile_testing/elcm-em/FCUBS/fcubs.properties
WEBLOGIC_HOME=D:/Oracle/Middleware/Oracle_Home/wlserver
PATCHSET_INSTALLATION=N
HOST_ENTITY_ID1=a3kM01rHTm7jbLfc1Tb6Fq677YD7f/xQ/1hDu0HcRIA=
DECENTRALIZED_FCUBS_PROPERTIES_PATH=
CONNECTING_STRING_SMS=PDB123
GW_PROPERTIES_PATH=D:/Projects/Project-Installer/125_core_support/SOFT/INSTALLER/SOFT/logs/GW_WS_Prop.properties
CONNECTING_STRING_ENTITY_ID1=PDB123
APPLICATION_TYPE=FCUBS
SOURCE_PATH=D:/Projects/Project-Installer/125_core_support/SOFT
PASSWORD_SMS=FXCs5z4BQT6dgrlMb7e2zA==
SYMMETRIC_KEY=oraclefinancialsolutions
EAR_DESTINATION_PATH=D:/Projects/Project-Installer/125_core_support/SOFT
EXTERNAL_PROPERTY_PATH=
PASSWORD_ENTITY_ID1=FXCs5z4BQT6dgrlMb7e2zA==
PORT_ENTITY_ID1=1521
ENTITY_NOS=1
EXTERNAL_JSUIXML_PATH=
SERVICE_NAME_ENTITY_ID1=CY97Ot1QOGT/UCsy59Shyw==
PORT_SMS=1521
SCHEMA_NAME_ENTITY_ID1=FXCs5z4BQT6dgrlMb7e2zA==
EAR_NAME=FCUBS
COMPILE_IN_ALL_ENTITIES=N
EXTERNAL_PROPERTY_PATH_REQUIRED=N
APPSERVER_HOME=D:/Oracle/Middleware/Oracle_Home/wlserver
SERVICE_NAME_SMS=CY97Ot1QOGT/UCsy59Shyw==
HOST_SMS=a3kM01rHTm7jbLfc1Tb6Fq677YD7f/xQ/1hDu0HcRIA=
SCHEMA_NAME_SMS=FXCs5z4BQT6dgrlMb7e2zA==
CONTEXT_NAME=FCJNeoWeb
ORACLE_HOME=D:/app/sdath/product/12.1.0/client_2
```

NOTE: A single property file is used for both DB Compilation and EAR build. Hence all the properties are located in a single property file. Some properties may not be applicable during a certain setup and those should not be modified (should be left with default values).

CONFIGPATH:

Absolute path to the folder containing the configuration files, is to be provided. Configuration files are located under \INSTALLER\SOFT\config\Application

JAVA_HOME Absolute path to the home folder of JDK 1.8 is to be provided.

APPSERVER_HOME

Absolute path to the home folder of Application Server.

ORACLE_HOME Absolute path to the home folder of Oracle Database Client is to be provided.

SOURCE_PATH and **EAR_DESTINATION_PATH**

Specify the destination directory. Here destination path should be same as the source file path

FCUBS_PROPERTIES_PATH

Absolute path where the fcubs.properties file, is to be provided.

GW_PROPERTIES_PATH

Absolute path to the Gateway Properties file is to be provided.

APPLICATION_TYPE

Application Type is maintained as per the Application Name selected in the GUI Installer.

EAR_NAME

Specify a name for the Application to be created.

CONTEXT_NAME

Specify a name for the Application Context

EXTERNAL_JSUIXML_REQUIRED

This field explains whether JS and UIXML folders are external or integrated within ear file.

It Holds values as 'Y' or 'N'. EXTERNAL_JSUIXML_REQUIRED=Y indicates that JS and UIXMLs are not within the ear file generated.

EXTERNAL_JSUIXML_PATH

This path is mandatory if EXTERNAL_JSUIXML_REQUIRED=Y. JS and UIXMLs generated during ear file creation should be placed in the path given.

DECENTRALIZED

If De-Centralized is the deployment option selected, then this parameter's value will be 'Y' else 'N'.

DECENTRALIZED_FCUBS_PROPERTIES_PATH

If De-Centralized is the deployment option Selected during property file creation, for building ear the absolute path of decentralized property file has to be mentioned against this parameter.

WEBLOGIC_HOME

Absolute path to the home folder of weblogic.

PATCHSET_INSTALLATION

Parameter value will be 'N' for console and 'Y' for patchset installation.

EXTERNAL_PROPERTY_PATH_REQUIRED: This field explains whether property file is external or integrated within ear file.

EXTERNAL_PROPERTY_PATH

This path is mandatory if EXTERNAL_PROPERTY_PATH_REQUIRED =Y.

SYMMETRIC_KEY

This key is used for encryption logic.

The below parameters stores SMS Schema details:

HOST_SMS: Host name of SMS Schema will be stored in encrypted format.

SCHEMA_NAME_SMS: Schema name will be encrypted and stored

PASSWORD_SMS: encrypted form of password will be saved against this parameter.

SERVICE_NAME_SMS: encrypted form of Service name.

PORT_SMS: contains Port number of SMS Schema.

CONNECTING_STRING_SMS: Encrypted connected String of SMS Schema.

ENTITY_NOS: it stores the number of Entity Schemas required.

The below parameters stores Entity Schema details. This information will be captured for all the entities with respective entity name as suffix.

HOST_ENTITY_ID1: Host name of Entity Schema will be stored in encrypted format.

SCHEMA_NAME_ENTITY_ID1: Entity Schema name will be encrypted and stored

PASSWORD_ENTITY_ID1: encrypted form of password will be saved against this parameter.

SERVICE_NAME_ENTITY_ID1: encrypted form of Service name.

PORT_ENTITY_ID1: contains Port number of first Entity Schema.

CONNECTING_STRING_ENTITY_ID1: Encrypted connected String of Entity Schema

COMPILE_IN_ALL_ENTITIES:

This parameter holds value as ‘Y’ or ‘N’. If ‘N’ then necessary objects will be compiled in all the entities mentioned.

NOTE: Paths have to be maintained with ‘/’ separator as it is maintained only for WINDOWS. ‘\’ slash is considered as an escape character so ‘/’ slash is given in windows.

In the process of property file creation, when Save is clicked at the end, Property file is saved in \INSTALLER\GUI\LOGS.

On launch of GUI Installer for creating the property file , the env properties file gets generated which is present in **\INSTALLER\SOURCE\logs** path need to be manually copied to **\INSTALLER\SOFT\logs** path. This method is followed for EAR creation and Back-end build as it is done by the Silent Installer.

If OBCL needs to install as Co-deployed along with ROFC then OBCL folder from OBCL OSDC zip should be placed parallel to ROFC folder in the ROFC OSDC zip.

If ELCM needs to install as Co-deployed along with ROFC then ELCM folder from ELCM OSDC zip should be placed parallel to ROFC folder in the ROFC OSDC zip. INFRA inside ELCM should be moved and merged with CORE INFRA.

If PAYMENTS needs to install as Co-deployed along with ROFC then PAYMENTS folder from PAYMENTS OSDC zip should be placed parallel to ROFC folder in the ROFC OSDC zip.

INFRA inside PAYMENTS should be moved and merged with CORE INFRA.



Installer Prerequisite Document
[August] [2020]
Version 14.4.0.1.0

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
www.oracle.com/financialservices/

Copyright © [2007], [2020], 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.