Table of Contents

1. PROPERTY FILE CREATION FOR DECENTRALIZED VIA ORACLE FLEXCUBE INSTALLER 1-1
   1.1 INTRODUCTION .................................................................................................................. 1-1
   1.2 CREATING PROPERTY FILE ............................................................................................. 1-1

2. LOADING OBJECTS INTO HOST & DC SCHEMA VIA FLEXCUBE INSTALLER .......................... 1-1
   2.1 INTRODUCTION .................................................................................................................. 1-1
   2.2 LOADING OBJECTS INTO HOST & DC SCHEMA ................................................................. 1-1

3. DECENTRALIZED APPLICATION SETUP (VIA WEBLOGIC) .................................................. 1-1
   3.1 INTRODUCTION .................................................................................................................. 1-1
   3.2 APPLICATION SETUP .......................................................................................................... 1-1
      3.2.1 .ear and war file creation ............................................................................................ 1-1
      3.2.2 Deploying .ear file in WebLogic server ........................................................................ 1-1
      3.2.3 Deploying .war file in WebLogic server ....................................................................... 1-4
1 Property File creation for Decentralized via Oracle FLEXCUBE Installer

1.1 Introduction

This chapter explains the steps to create property file for Oracle Decentralized FLEXCUBE Installer Application. Two property files are created fubs property file and environment property file.

1.2 Creating Property File

To create the property file for Oracle Decentralized FLEXCUBE, follow the steps given below:

1. Launch Oracle FLEXCUBE Installer bat file i.e. FCUBSInstaller.bat for Windows, for linux run FCUBSInstaller.sh.

Need to provide the following details:

JAVA HOME PATH

Provide the JDK home path with the latest version.

ORACLE HOME PATH
Provide the Oracle 12C Client Path.

APPSERVER PATH

Provide the Application Server Path.

After providing these details, INSTALLER-GUI gets generated. And follow the below details.

Enter the following details

![Oracle Banking Installer](image)

**JDK Path:**
Maintain Home folder path of JDK1.8

**Oracle Home**
Maintain home folder path of Oracle Client or Database

**Application Server Home**
Maintain home folder path of Application Server

2. Click ‘Next’ and the following screen is displayed.

**Components**
Choose components as INFRA.
Product Processors
Choose product processors as Oracle FLEXCUBE Universal Banking.

Plugins
Select Branch and Decentralized option to load objects related to Decentralized.
Scheduler can be embedded.

3. Click 'Next' and the following screen is displayed:
Specify SMS and Host schema details, Test connection to assure schema details provided are proper.
4. Click 'Next' and the following screen is displayed:

Provide Branch schema details and SMS schema details to create dblinks between two schemas.

Click on Test Connection to assure the connection details provided are proper.
5. Click 'Next' and the following screen is displayed:

**EAR Name**

Specify a name for the Application to be deployed.

You cannot use special characters such as '.' (Dot), ',' (comma), '$' etc. However, you may use '_' (underscore). – Applicable for both Windows and Linux.

**Context Name**

Based on the Application type selected, the Installer displays the application context. However, you may modify the default value.

**Application Server**

Specify the application server in which you are creating the property file. Select the appropriate one from the adjoining drop-down list.

**Source Path**

Provide the source path maintained.
**Source Path**
Provide the source path maintained.

**Ear Destination Path**
Provide the Ear destination path to place the generated .ear and .war file during generation of .ear and .war files.

6. Click ‘Next’ to continue and following screen is displayed:

‘Security Key for Encryption Logic’ is the key (exact 16 characters) for all encryption logic.
7. Click ‘Next’ to continue and following screen is displayed:

**Datasources:**

SMS Data Source  – Provide proper JNDI names e.g.: jdbc/fcjsmsDS
Branch Data Source – Provide proper JNDI names e.g.: jdbc/fcjDevXADS
Scheduler Data Source – Provide proper JNDI names e.g.: jdbc/fcjSchedulerDS
Host Server URL – Host URL to establish connection from Branch.
8. Click 'Next' to continue and following screen is displayed:

**Debug Logs Required**

If you require debug option, select ‘Yes’ from the drop-down list. If you do not require debug option, select ‘No’.

**Work Area**

Specify the work area.

For example: D:\BrnDbgs\n
**Signature Path**

Specify the location at which the signature images are placed.

**Excel Path**

Specify the location at which the excel files are generated.

**Data Source**

Specify the JNDI location. The standard format is ‘jdbc/fcjdevDS’.

**Request Time Out**
Specify the database request timeout value in milliseconds. This is the maximum number of seconds the database waits for a query to return the result.

**Connection Time Out**

Specify the database connection timeout value in seconds. This is the maximum number of seconds the application waits for a connection to the database to open.

**Session Time Out**

Enter the session timeout value in seconds. This is the maximum number of seconds during which the application gets active without any user intervention. If there is no user intervention continuously for the duration specified here, the user session gets expire.

**LOV Fetch Required**

If you check this box, the option lists in Oracle FLEXCUBE displays the matching values based on the first characters that you enter in a field. If you specify the first three characters of a value to be entered in an option list and tab out, the system displays the complete list of values that are matching the first three characters.

If you do not check this, option lists does not show the matching values based on the first few characters. You need to specify the complete value against the field.

**Max Image Size**

Specifies the maximum image size that can be uploaded. The default size is 1048576 in bytes.

**CSS Style**

Specify the CSS style to be used from the adjoining drop down list. You can select one of the following CSS styles:

- **Default** – select this to apply the default style provided along with Oracle FLEXCUBE
- **Custom** – select this to apply a custom style

**Name**

Specify the name of the CSS style.
9. Click ‘Next’ and the following screen is displayed:

**SSO Required**

Check this box to enable single sign-on (SSO). If you check this box, you need to enter the SSO Key.

**SSO Key**

Specify the SSO key. If you have checked the box ‘SSO Required, it is mandatory to specify the SSO key.

**OPSS**

OPSS is available only for weblogic and is not supported for Websphere.

IF OPSS available is checked for weblogic the symmetric key is not stored in the property file for security reasons.
10. Click 'Next' and the following screen is displayed:

Specify the Mail configuring following details:
11. Click ‘Next’ and the following screen is displayed:

Provide Scheduler Queue details.
12. Click ‘Next’ and the following screen is displayed:

Provide Scheduler EMS Queue details.

Outgoing Queue Provider URL – It can be Host server URL.

Queue Principal – It should be weblogic login username.

Queue Credential – It should be weblogic login password.
13. Click 'Next' and the following screen is displayed:

Provide EMS FTP/FTPS details
14. Click 'Next' and the following screen is displayed:

Provide Scheduler BIP Advice report configuration details.
15. Click 'Next' and the following screen is displayed:

Provide Scheduler BI publish report configuration details.
16. Click ‘Next’ and the following screen is displayed
Provide the details for de-centralized work area, image file path, image file format, online pooling frequency and untank pooling frequency.

17. Click ‘Next’ and the following screen is displayed

Click on save property file will be built with latest properties.

Property files can be saved in a particular location and can be used for subsequent processing.

Both DC and Host property files, are saved inside property file save location under folder names - DC and HOST respectively.

Enclosed sample files for reference. Checkpoint: INIT_DATASOURCE in fcubs.properties

DC Property File Host Property File Env. Property file

fcubs.properties fcubs.properties env.properties
Once property file creation is completed, env.properties file will also be updated in path \INSTALLER\SOFT\GUI\logs and \INSTALLER\SOFT\logs. Please note that values from \INSTALLER\SOFT\logs\env.properties will be taken for further steps. env.properties file is updated automatically with DC and Host property file paths generated already. Please verify these paths before proceeding.
2. Loading objects into Host & DC schema via FLEXCUBE Installer

2.1 Introduction

This chapter explains the steps to load objects into Decentralized schema using FLEXCUBE Installer. Note: Before running DB Compilation of any sort, please make sure that System Date Time format and language are provided as English, or otherwise DB Compilation might fail due to improper log names.

2.2 Loading Objects into Host & DC Schema

Before loading objects into the host and DC schema, please make sure you have atleast 10 GB SYSTEM tablespace in the database instance, and atleast 5 GB space in each schema. To load objects into Host and Decentralized schema, follow the steps given below:

1. env.properties generated in \INSTALLER\SOFT\logs path will be considered for all the database details.

2. Execute Oracle SMS DB Compiler silent Installer bat file i.e. SMSDBCompileRun.bat for Windows, for linux run SMSDBCompileRun.sh.

   After execution is completed, Host schema should be loaded with Host objects. Invalid count should be zero after execution. Note: Invalid procedure PR_INSTLR_POST_IMPORT can be ignored.

RECOMPIRATION SCRIPT

```
fast.sql
```

In case invalid count is greater than zero, fast.sql can be used for invalid re-compilation. Number of threads, and schema name has to be provided as input for the recompilation to happen, e.g. Threads = 8, Schema=DHOST5

3. Execute Oracle Host DB Compiler silent Installer bat file i.e. ROFCDBCompileRun.bat for Windows, for linux run ROFCDBCompileRun.sh.

   After execution is completed, Host schema should be loaded with Host objects. Invalid count should be zero after execution. If not, please run recompilation script(fast.sql) provided earlier.
At this point, Day-0 Setup should be done for the Host schema (if not done yet, document FCUBS_DB_Setup can be followed for the same, section 1.3.2).

Check point: In SSTB_USER table Home Entity should be updated properly after Day-0 setup.

4. Execute Oracle Branch DB Compiler silent Installer bat file
   i.e. ROFCBranchDBCompileRun.bat for Windows, for linux run ROFCBranchDBCompileRun.sh.

   After execution is completed, DC schema should be loaded with DC objects. Invalid count
   should be zero. If not, please run recompilation script(fast.sql) provided earlier for branch
   schema(with branch schema name as input)
3. Decentralized Application setup (via WebLogic)

3.1 Introduction

This chapter explains the steps to setup application in WebLogic server. This includes creation and deployment of EAR and WAR files in Weblogic server. EAR and WAR has to be deployed in HOST as well as BRANCH respectively.

3.2 Application Setup

3.2.1 ear and war file creation

1. Execute Oracle Ear creation bat, silent Installer bat file i.e. ROFCEarRun.bat for Windows, for linux run ROFCEarRun.sh.

2. It creates .war file and .ear file.

3. Following check points to be verified after .ear and .war file creation.

   web.xml file should be proper with xml tags. If not, it will result in servlet exceptions on deployment.

3.2.2 Deploying .ear file in WebLogic server

1. Set SSL port enabled. Go to Environment->Servers-> Select soa_server1(managed server). Make sure SSL Listen Port Enabled checkbox is checked.
2. Map Data source as follows

Connection pool as follows,
Set the Targets to both admin server and managed server, based on the application pointing to.
3. Install jax-rs library first and then application EAR(.ear) as follows,

Start the server e.g.: FCUBSDC1 for first use.

**Check Point:** Maintain Day

0 Setup, RT related transactions should be completed successfully.

3.2.3 **Deploying .war file in WebLogic server**

1. Set SSL Port enabled.

2. Add Data Sources as follows.
3. Install .war file generated and jax-rs.

4. After deployment both DC server to be started for further use.