

Installer Decentralized setup  
Oracle FLEXCUBE Installer  
Release 14.1.0.0.0  
[May] [2018]



---

# Table of Contents

- 1. PROPERTY FILE CREATION FOR DECENTRALIZED VIA ORACLE FLEXCUBE INSTALLER...1**
  - 1.1 INTRODUCTION .....1
  - 1.2 CREATING PROPERTY FILE .....1
- 2. LOADING OBJECTS INTO HOST & DC SCHEMA VIA FLEXCUBE INSTALLER.....21**
  - 2.1 INTRODUCTION .....21
  - 2.2 LOADING OBJECTS INTO HOST & DC SCHEMA.....21
- 3. DECENTRALIZED APPLICATION SETUP (VIA WEBLOGIC) .....23**
  - 3.1 INTRODUCTION .....23
  - 3.2 APPLICATION SETUP.....23
    - 3.2.1 *.ear and war file creation* .....23
    - 3.2.2 *Deploying .ear file in WebLogic server* .....23
    - 3.2.3 *Deploying .war file in WebLogic server* .....27

# 1. Property File creation for Decentralized via Oracle FLEXCUBE Installer

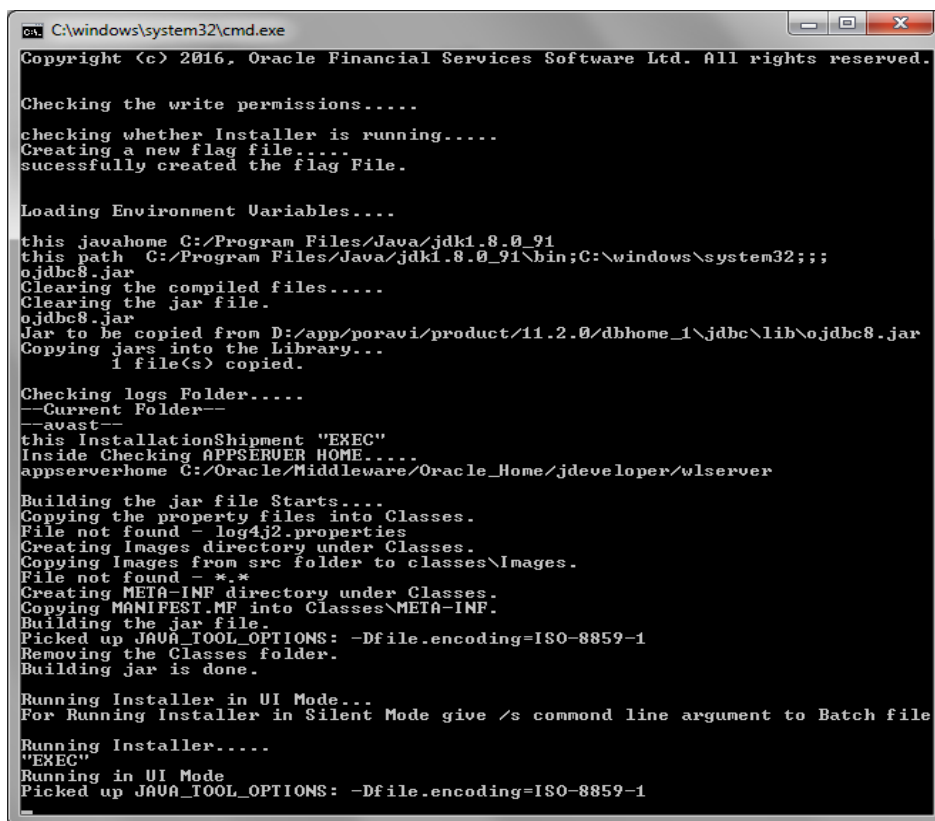
## 1.1 Introduction

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**.



```
C:\windows\system32\cmd.exe
Copyright (c) 2016, Oracle Financial Services Software Ltd. All rights reserved.

Checking the write permissions....
checking whether Installer is running....
Creating a new flag file...
successfully created the flag File.

Loading Environment Variables....
this javahome C:/Program Files/Java/jdk1.8.0_91
this path C:/Program Files/Java/jdk1.8.0_91\bin;C:\windows\system32;;
ojdbc8.jar
Clearing the compiled files....
Clearing the jar file.
Jar to be copied from D:/app/poravi/product/11.2.0/dbhome_1\jdbc\lib\ojdbc8.jar
Copying jars into the Library...
1 file(s) copied.

Checking logs Folder....
--Current Folder--
--avast--
this InstallationShipment 'EXEC'
Inside Checking APPSERUER HOME....
appserverhome C:/Oracle/Middleware/Oracle_Home/jdeveloper/wlserver

Building the jar file Starts...
Copying the property files into Classes.
File not found - log4j2.properties
Creating Images directory under Classes.
Copying Images from src folder to classes\Images.
File not found - *.*
Creating META-INF directory under Classes.
Copying MANIFEST.MF into Classes\META-INF.
Building the jar file.
Picked up JAVA_TOOL_OPTIONS: -Dfile.encoding=ISO-8859-1
Removing the Classes folder.
Building jar is done.

Running Installer in UI Mode...
For Running Installer in Silent Mode give /s command line argument to Batch file

Running Installer....
'EXEC'
Running in UI Mode
Picked up JAVA_TOOL_OPTIONS: -Dfile.encoding=ISO-8859-1
```

Need to provide the following details:

**JAVA HOME PATH**

Provide the JDK home path with the latest version.

**ORACLE HOME PATH**

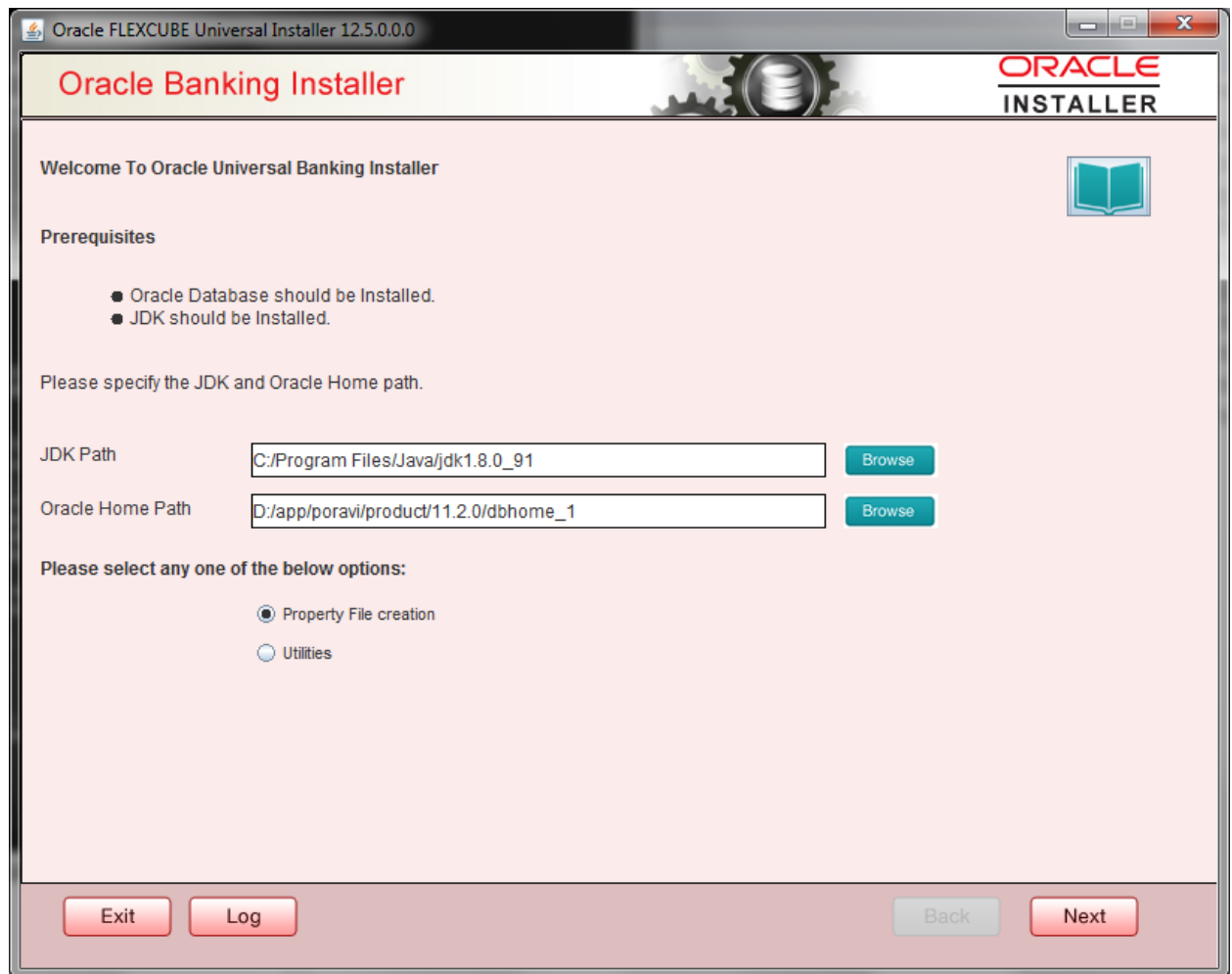
Provide the Oracle 12C Client Path.

**APPSERVER PATH**

Provide the Application Server Path.

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

Enter the following details



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.

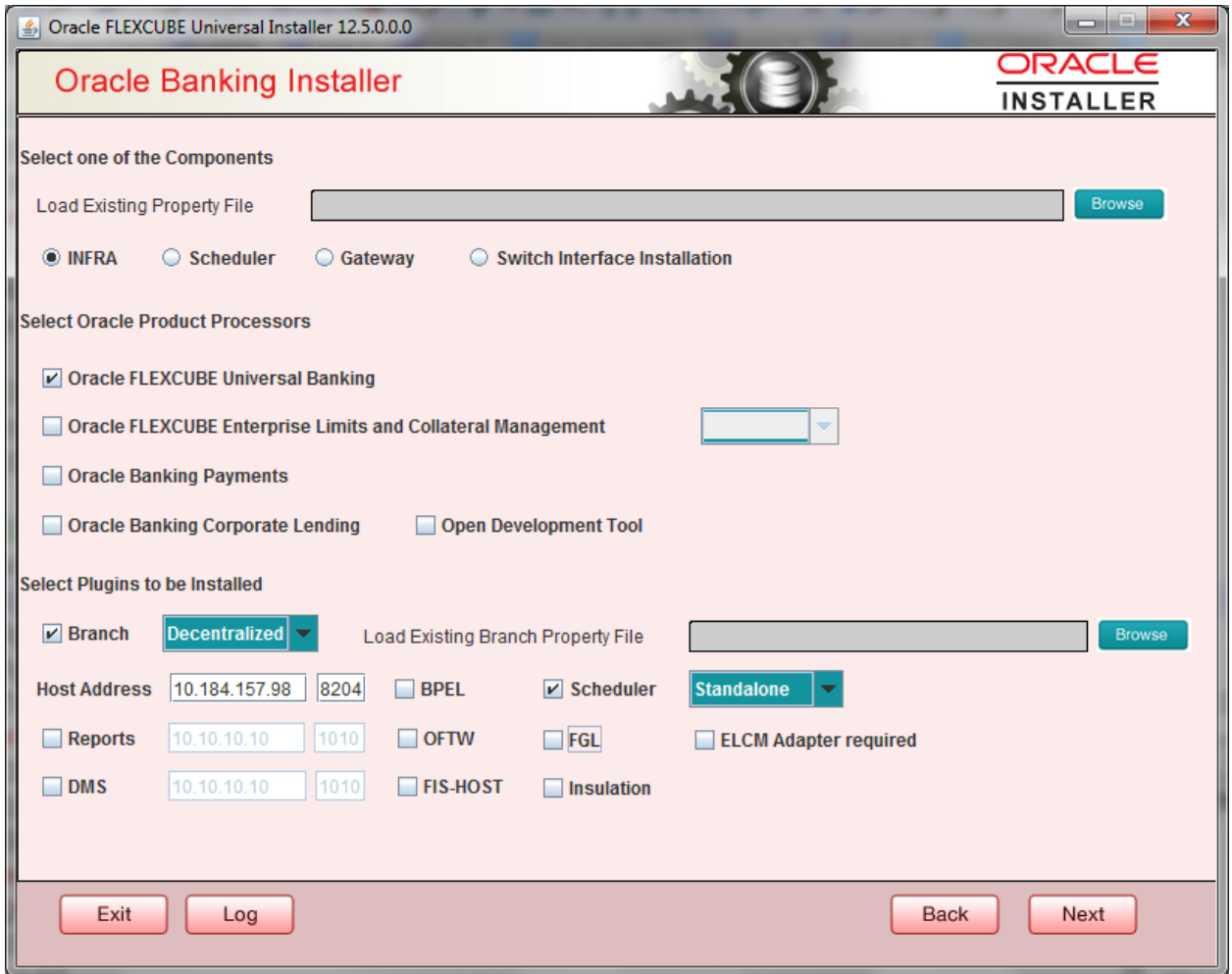
**Product Processors**

Choose product processors as Oracle FLEXCUBE Universal Banking.

**Plugins**

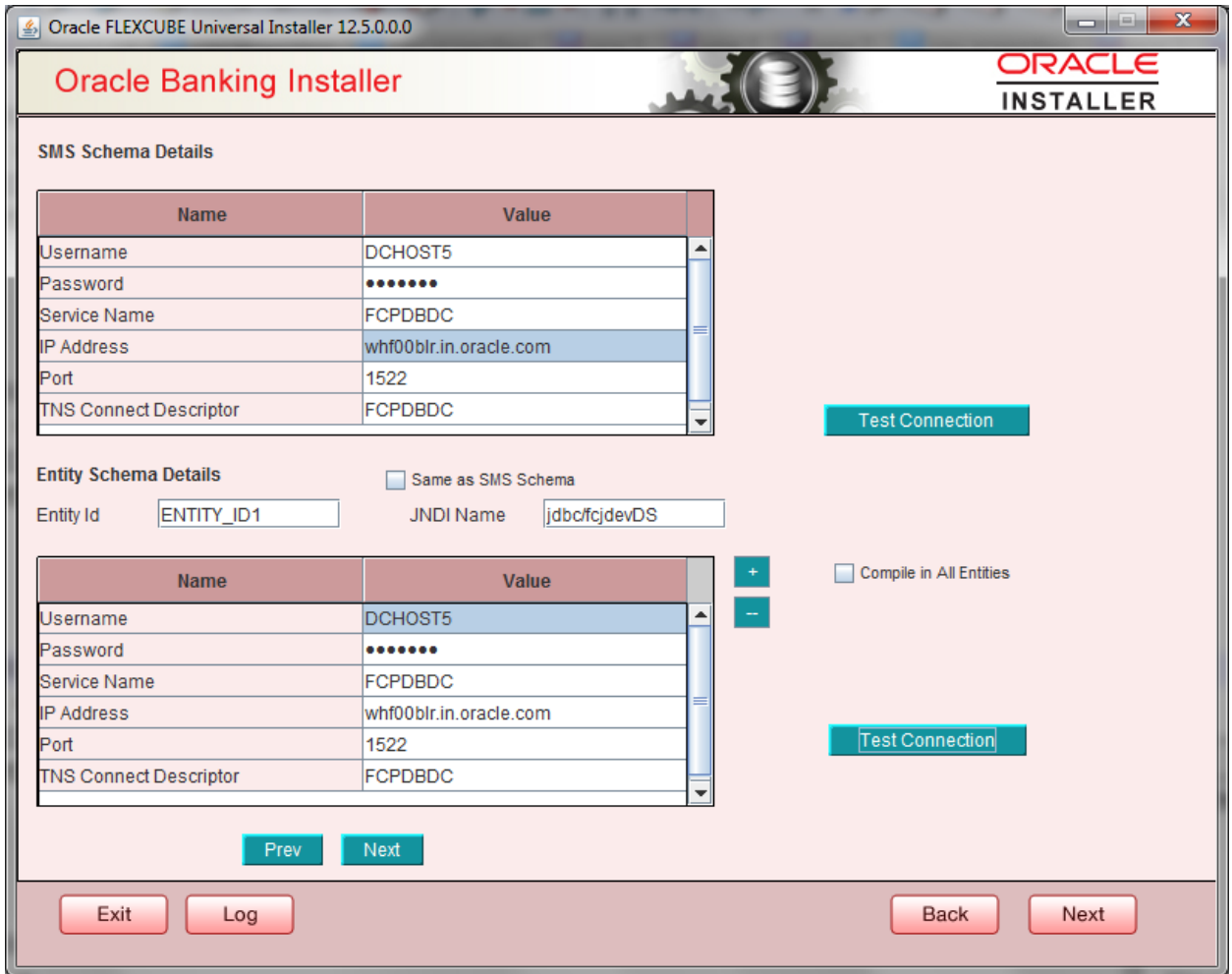
Select Branch and Decentralized option to load objects related to Decentralized.

Scheduler can be embedded.



3. Click 'Next' and the following screen is displayed:

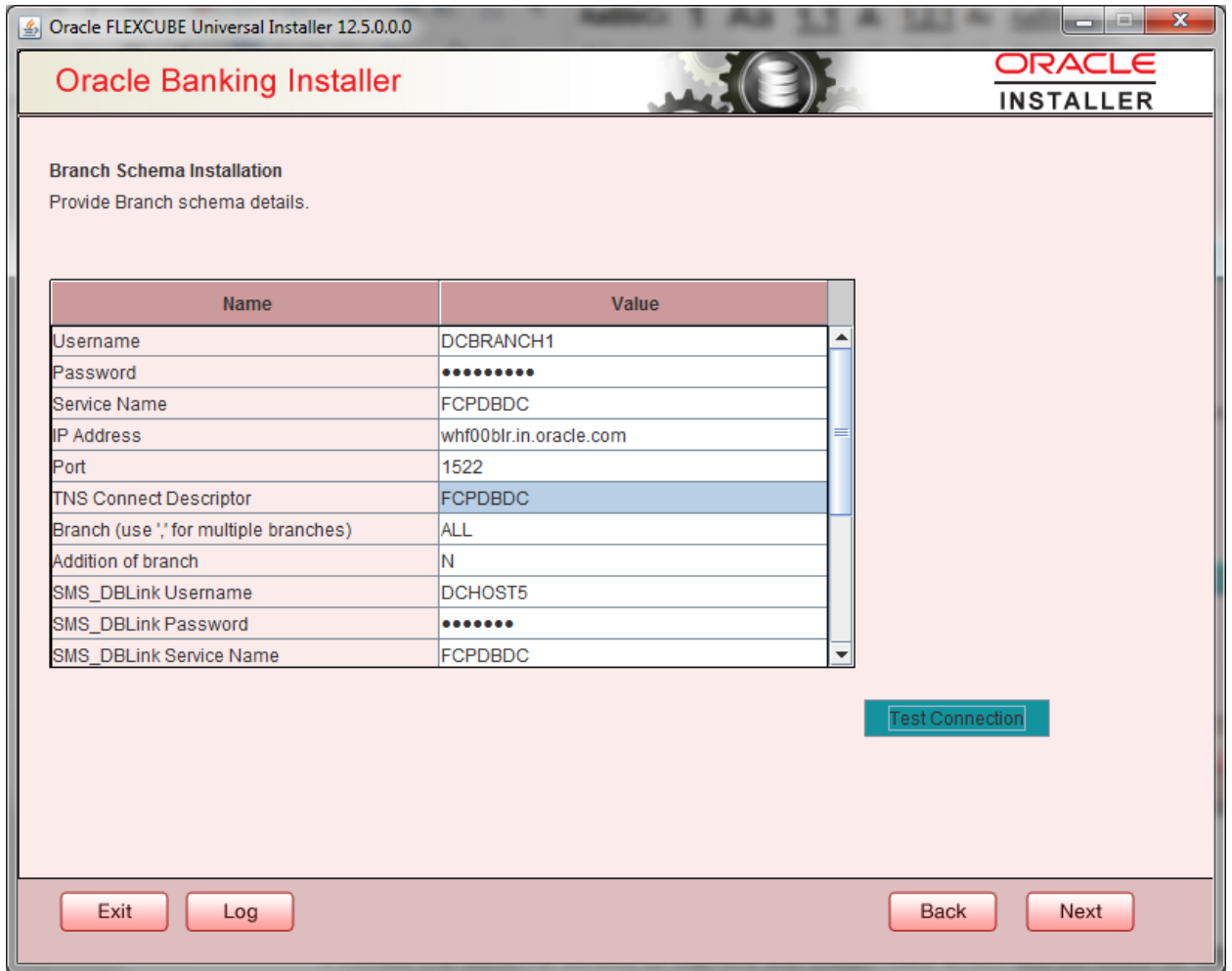
Specify SMS and Host schema details, Test connection to assure schema details provided are proper.



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.



- 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

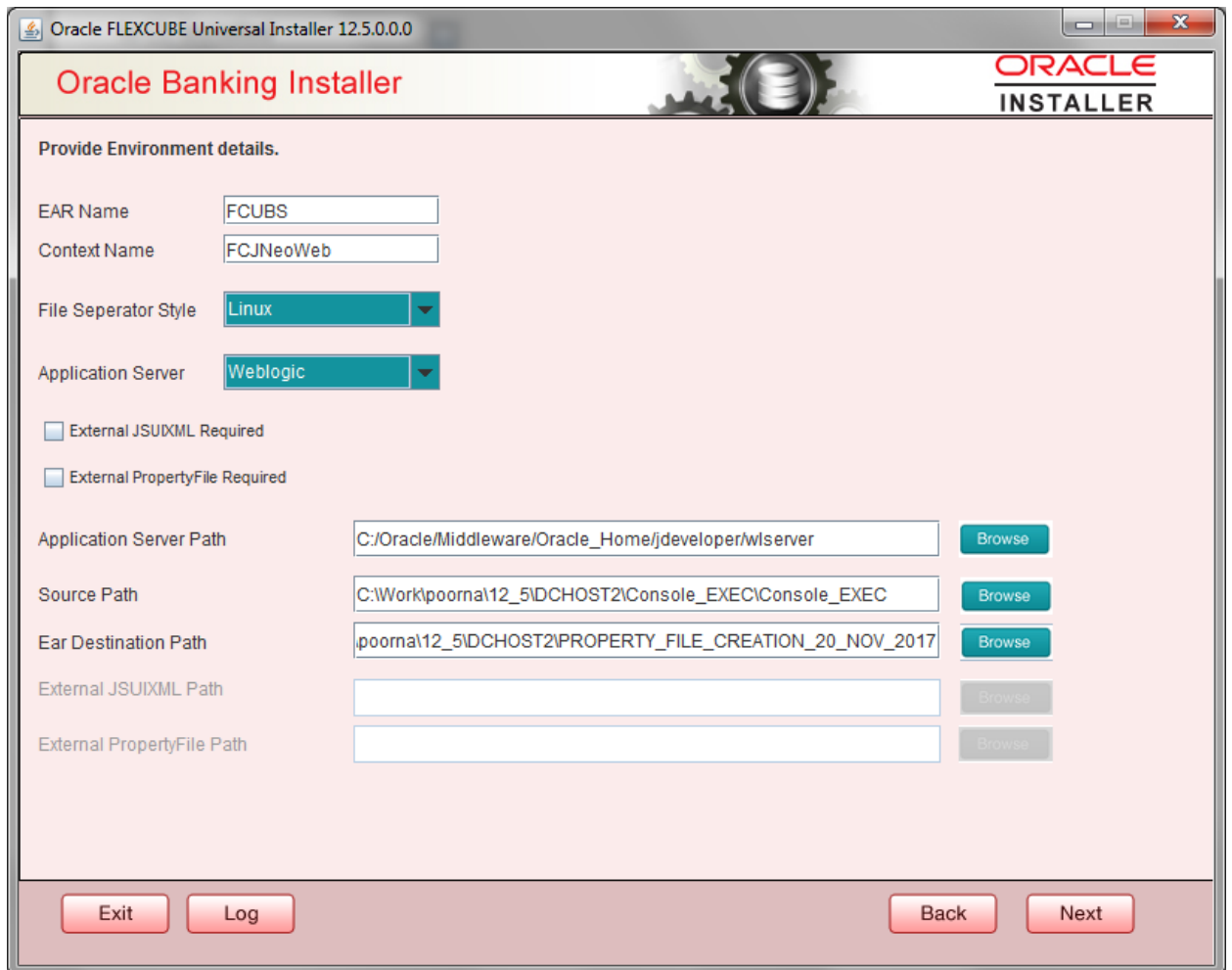
Provide the source path maintained.

## 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.

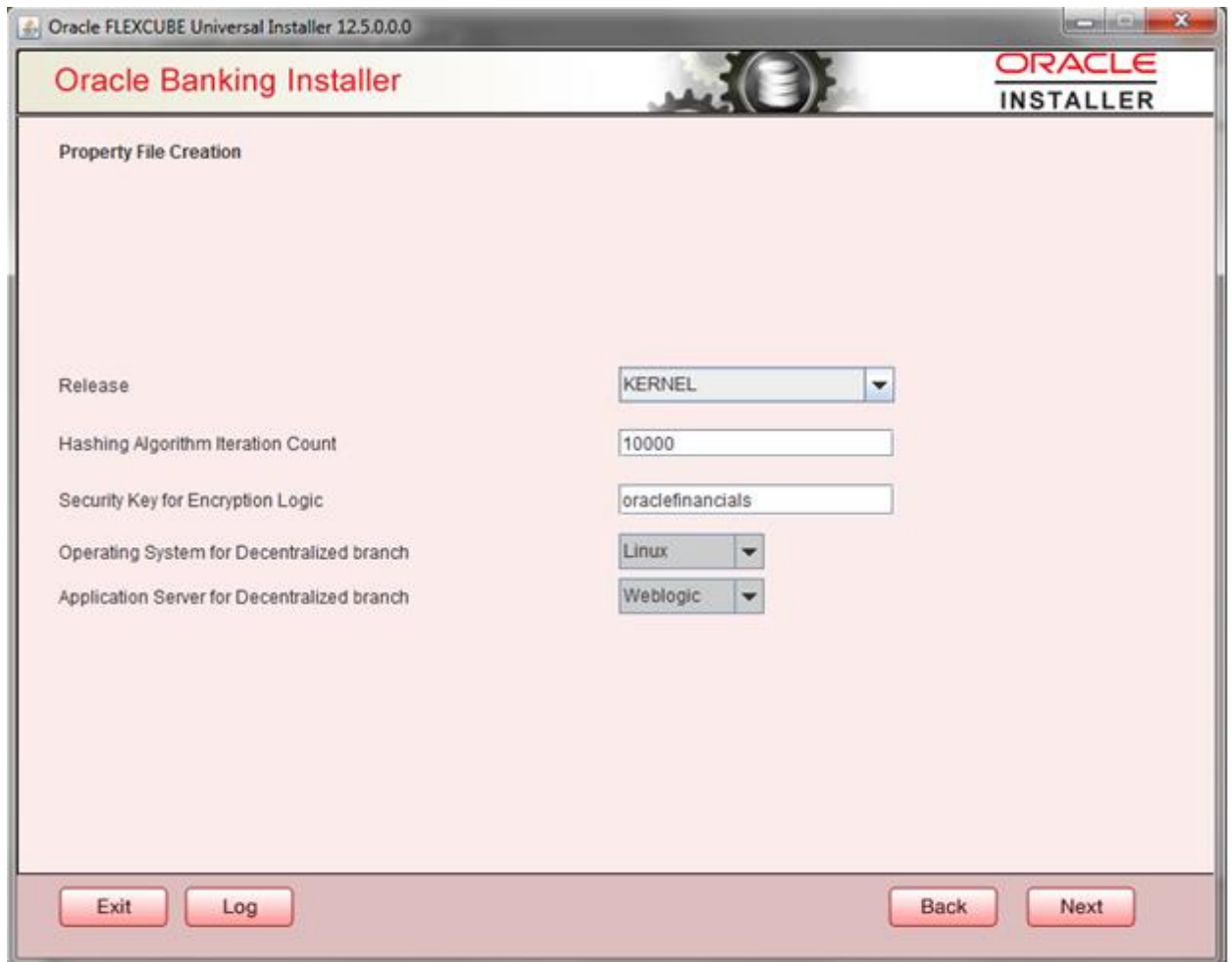


The screenshot shows the Oracle Banking Installer 12.5.0.0.0 window. The title bar reads "Oracle FLEXCUBE Universal Installer 12.5.0.0.0". The main window has a header with "Oracle Banking Installer" on the left and the "ORACLE INSTALLER" logo on the right. Below the header, the text "Provide Environment details." is displayed. The configuration fields are as follows:

- EAR Name: FCUBS
- Context Name: FCJNeoWeb
- File Separator Style: Linux (dropdown menu)
- Application Server: Weblogic (dropdown menu)
- External JSUXML Required
- External PropertyFile Required
- Application Server Path: C:/Oracle/Middleware/Oracle\_Home/jdeveloper/wlserver (with a "Browse" button)
- Source Path: C:\Work\poorna12\_5\DCHOST2\Console\_EXEC\Console\_EXEC (with a "Browse" button)
- Ear Destination Path: poorna12\_5\DCHOST2\PROPERTY\_FILE\_CREATION\_20\_NOV\_2017 (with a "Browse" button)
- External JSUIXML Path: (empty field with a "Browse" button)
- External PropertyFile Path: (empty field with a "Browse" button)

At the bottom of the window, there are four buttons: "Exit", "Log", "Back", and "Next".

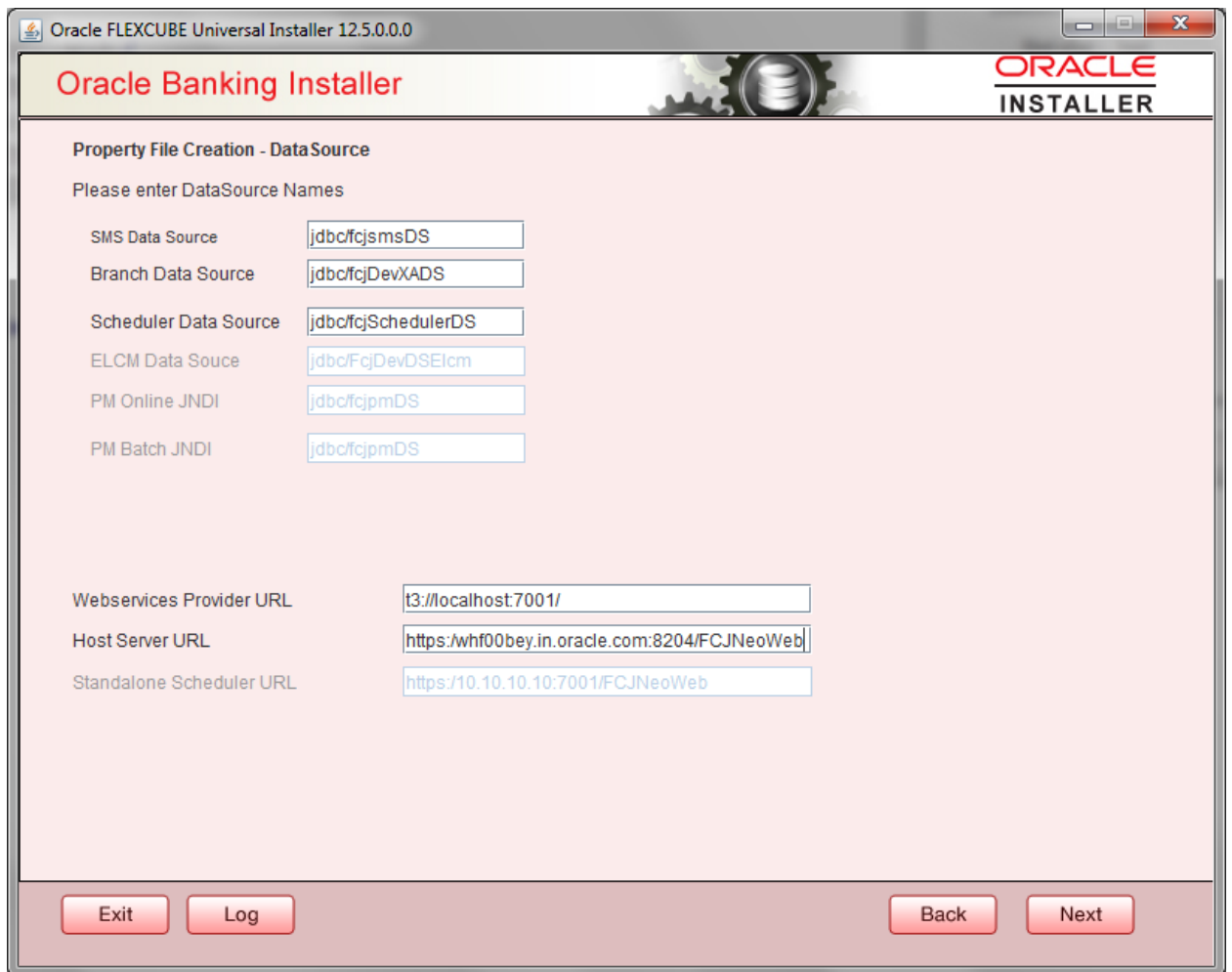
6. Click 'Next' to continue and following screen is displayed:  
'Security Key for Encryption Logic' is the key (exact 16 characters) for all encryption logic.



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\

### **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 milli seconds. 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 time out 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**

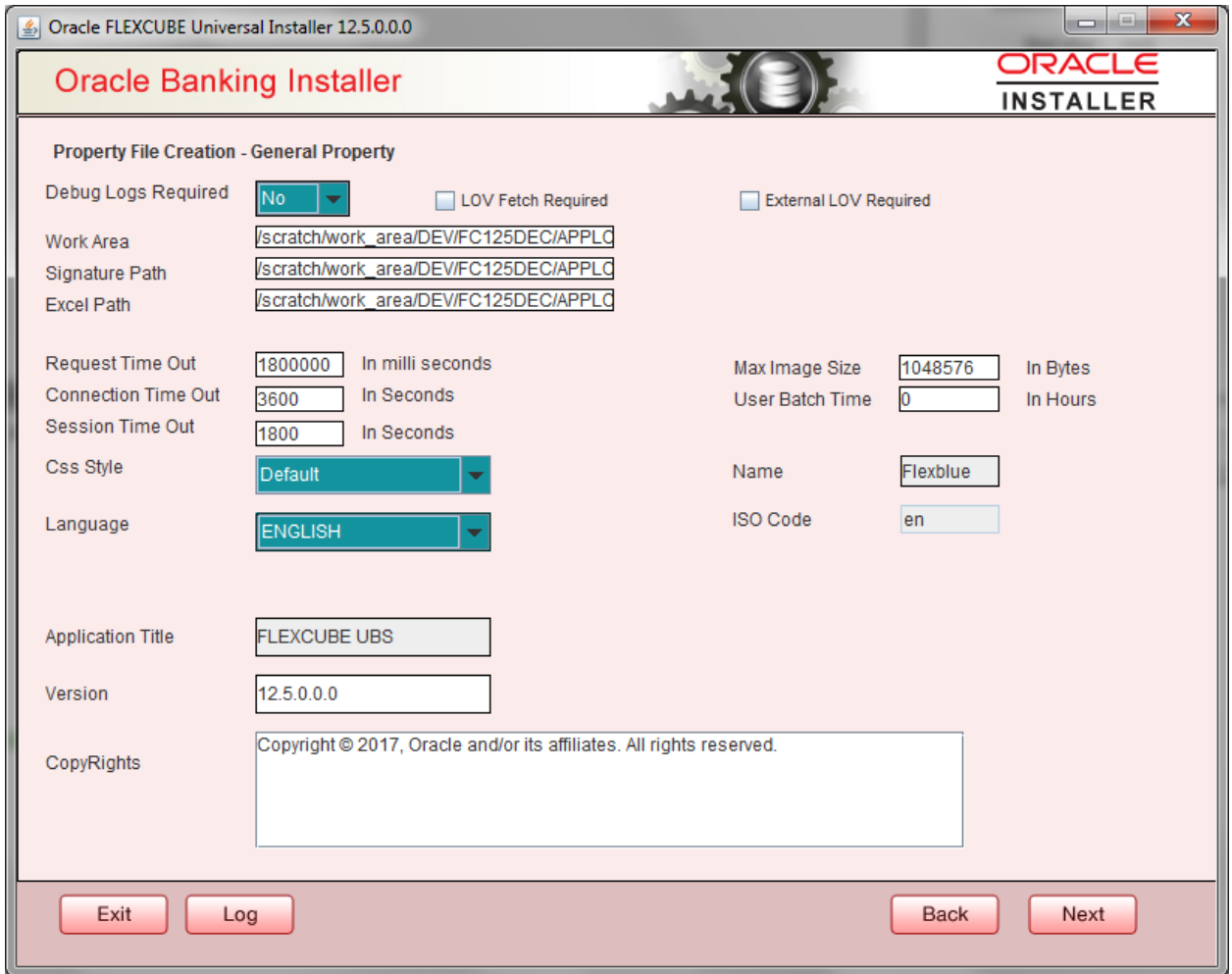
Specify the CSS style to be used from the adjoining drop down list. You can select one of the following CSS styles:

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.

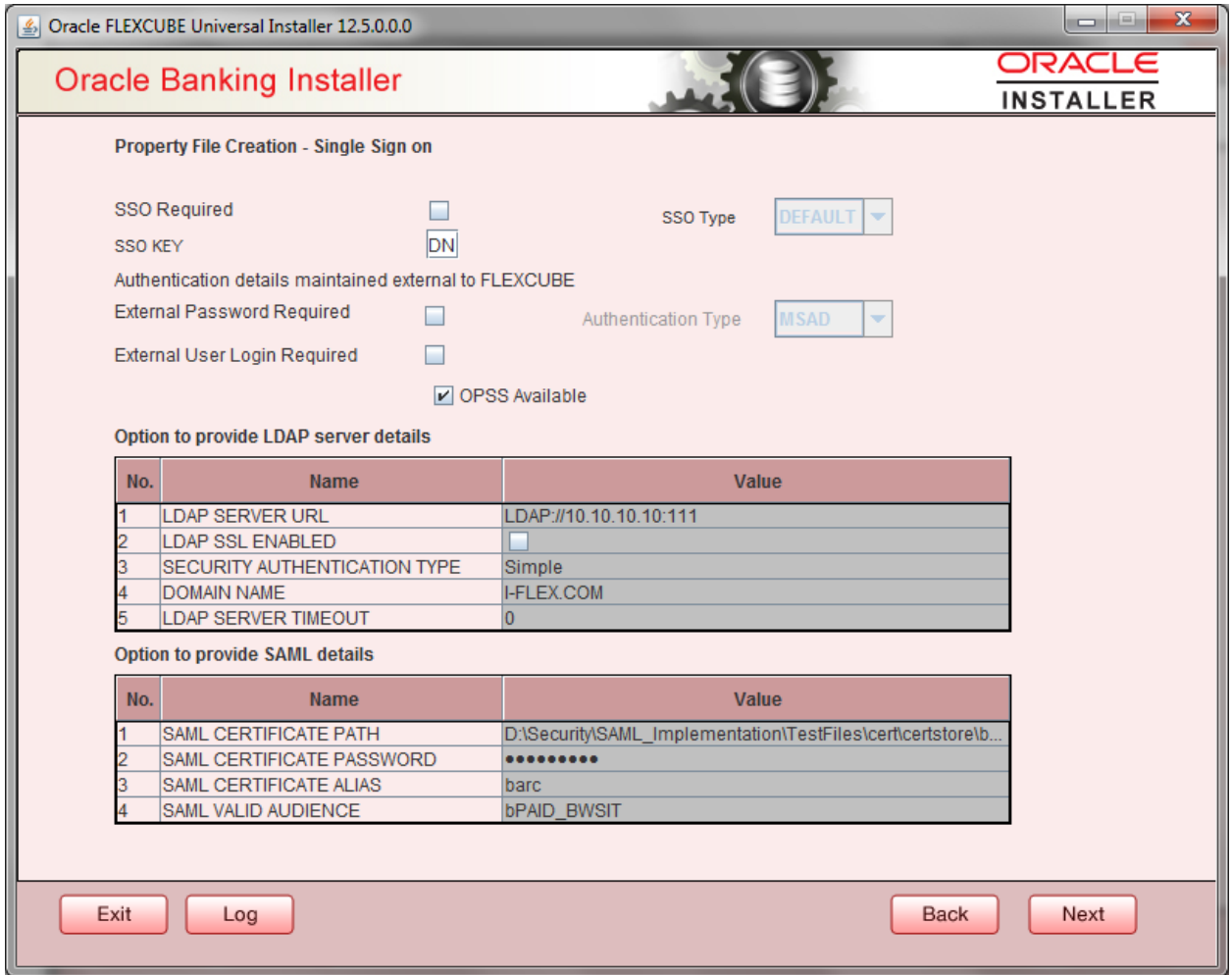
### SSO Key

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

### OPSS

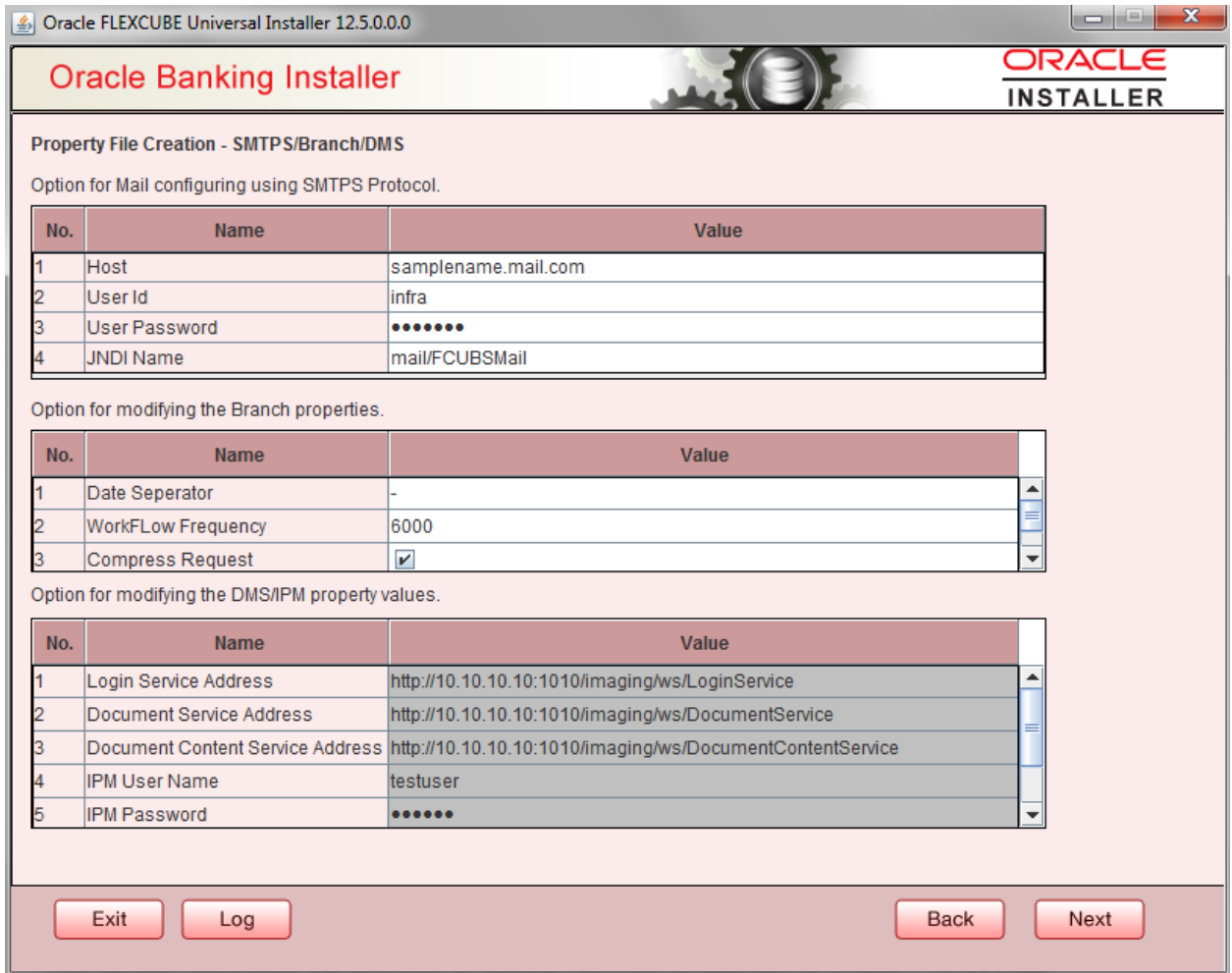
OPSS is available only for weblogic and is not supported for Websphere.

IF OPSS available is checked for weblogic the symmetric key is not stored in the property file for security reasons.



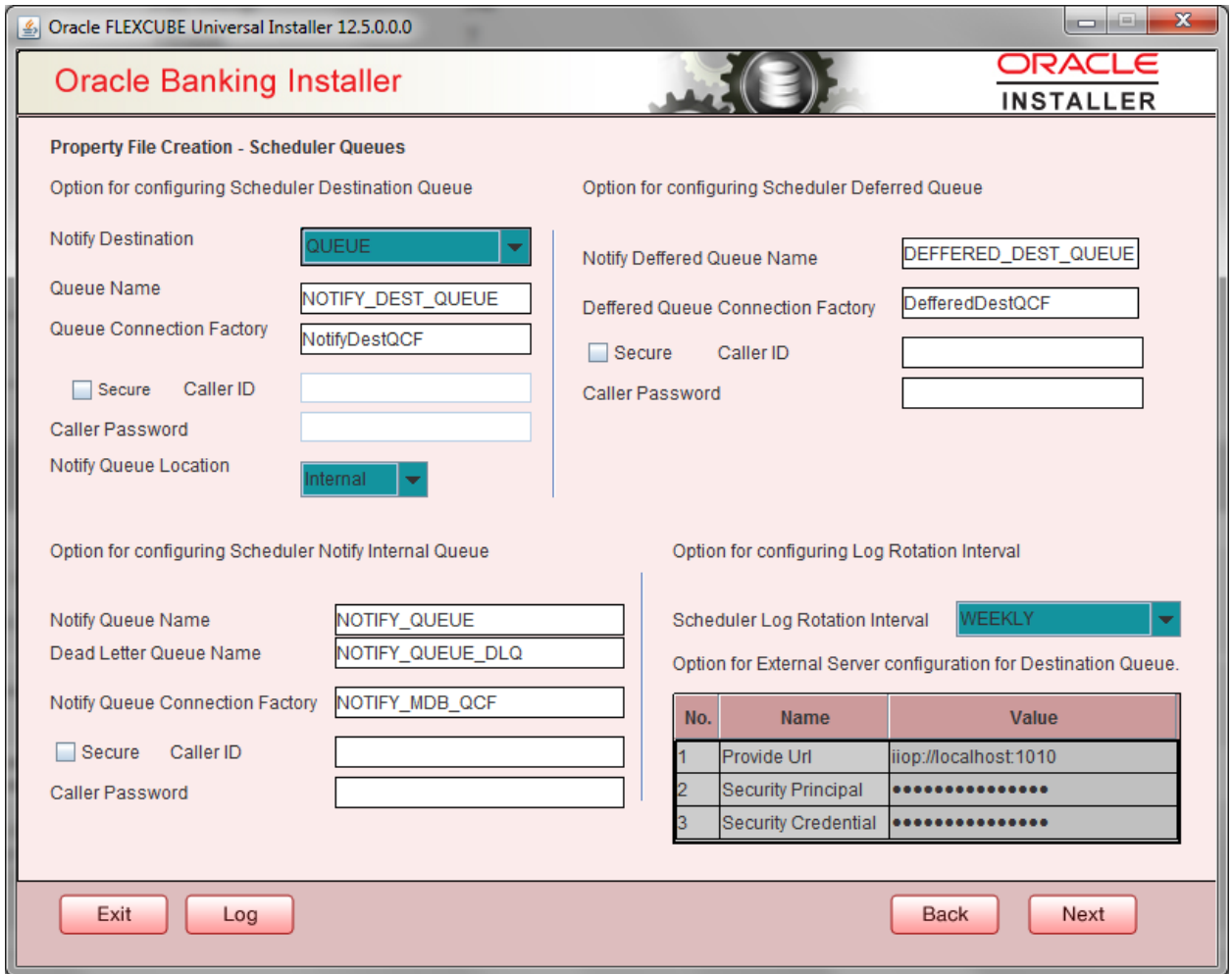
10. Click 'Next' and the following screen is displayed:

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:

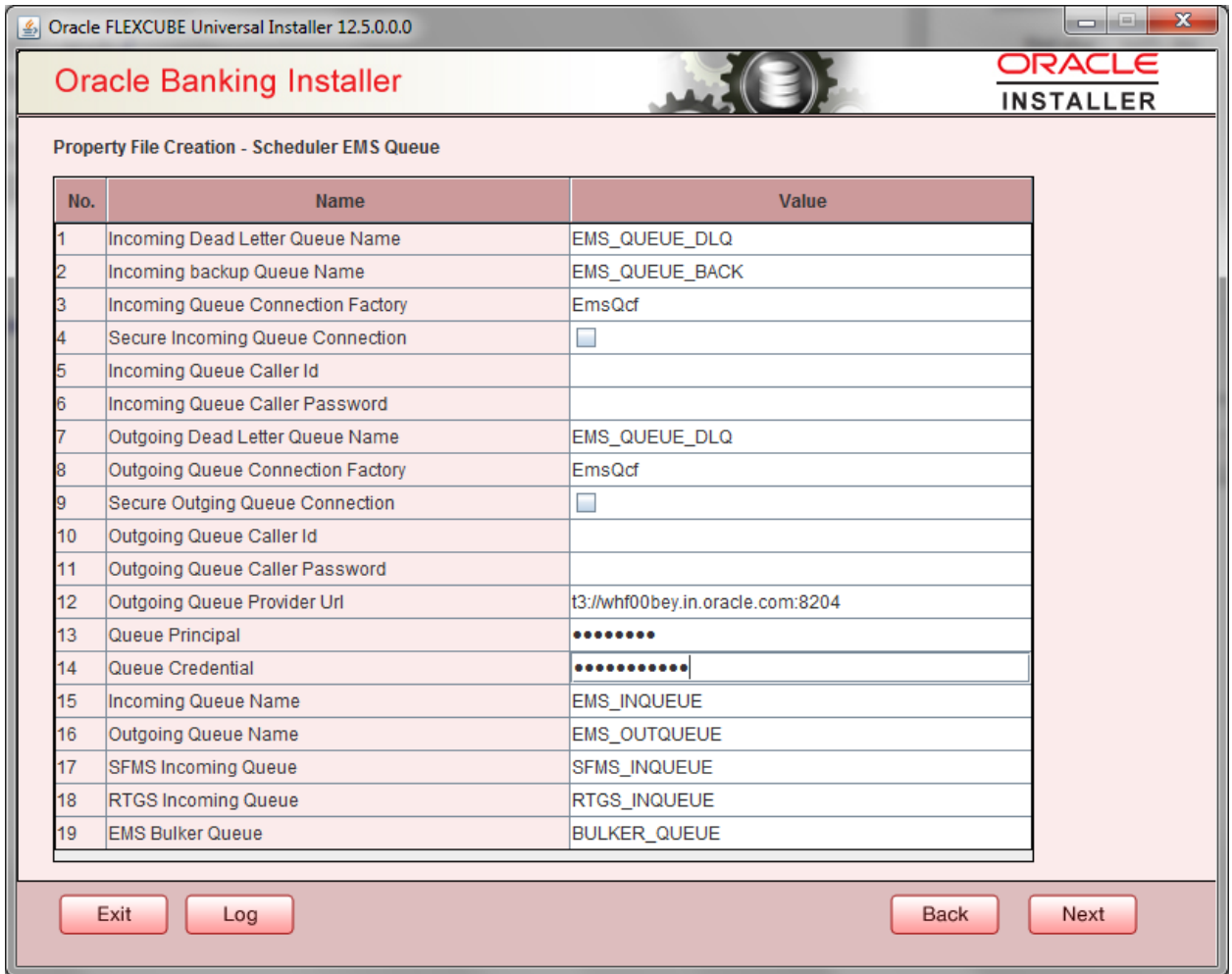
Provide Scheduler EMS Queue details.

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

Queue Principal – It should be weblogic login username.

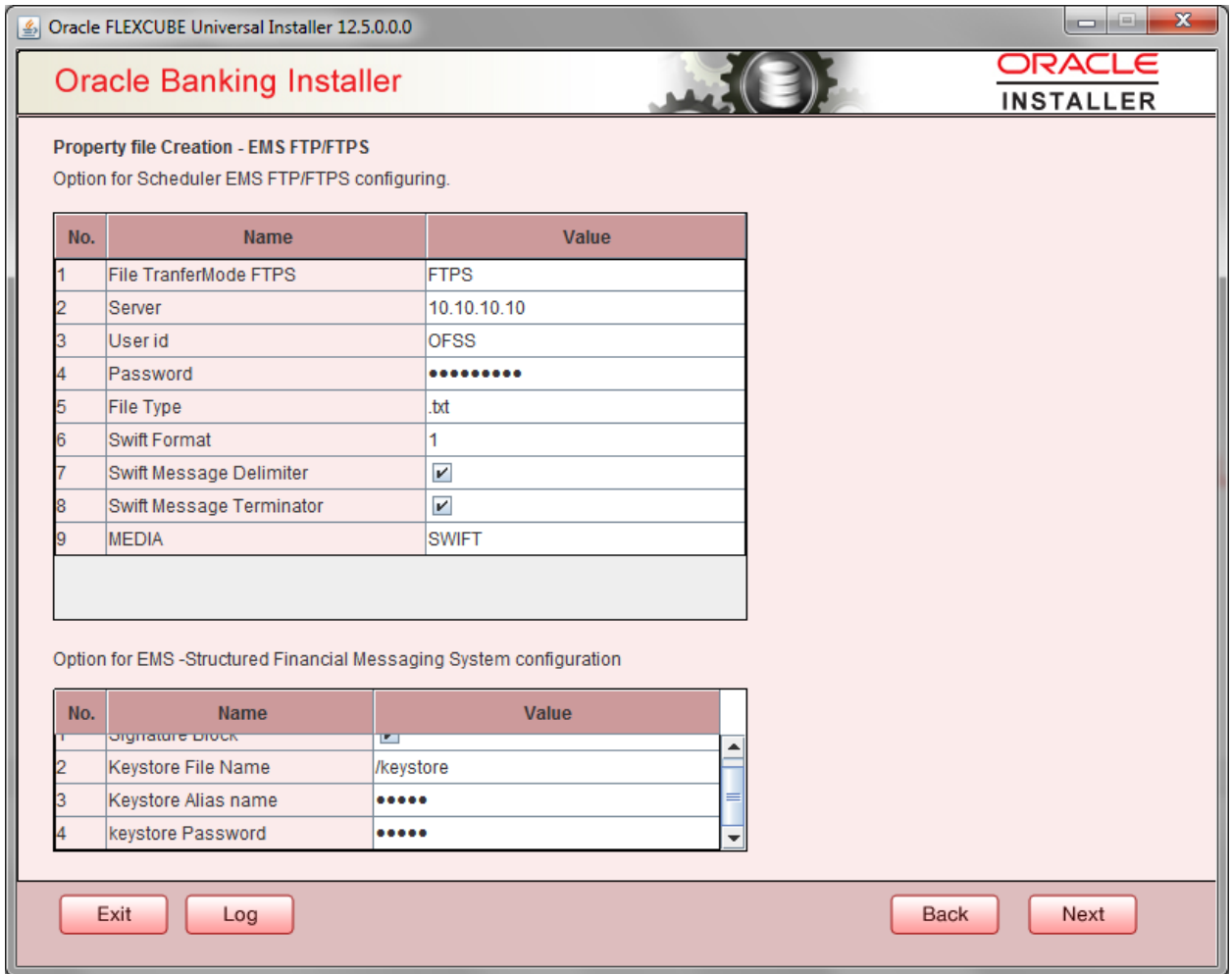
Queue Credential – It should be weblogic login password.





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.

Oracle FLEXCUBE Universal Installer 12.5.0.0.0

## Oracle Banking Installer



**Property File Creation - Scheduler BIP/GI Upload Queue**  
 Option for configuring Scheduler BIP and BIP Advice report.

Bip Queue Name:

Bip DeadLetter Queue Name:

BipAdvice Queue Name:

BipAdvice DeadLetter Queue Name:

Queue connection factory:

Secure    Caller ID:

Caller password:

Option for configuring details for Scheduler GI Upload Queue

Queue Name:

Dead Letter Queue Name:

Queue connection factory:

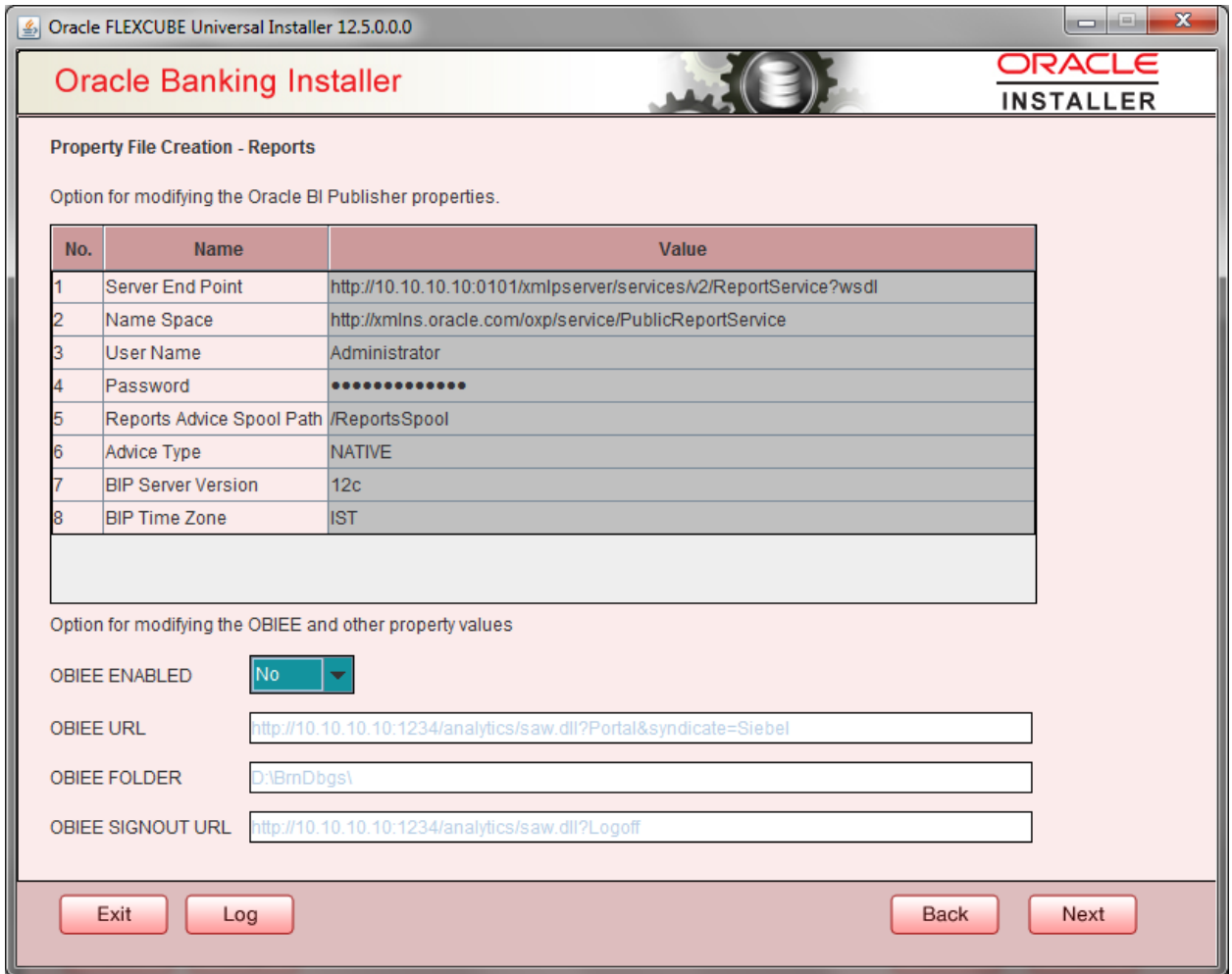
Secure    Caller ID:

Caller Password:

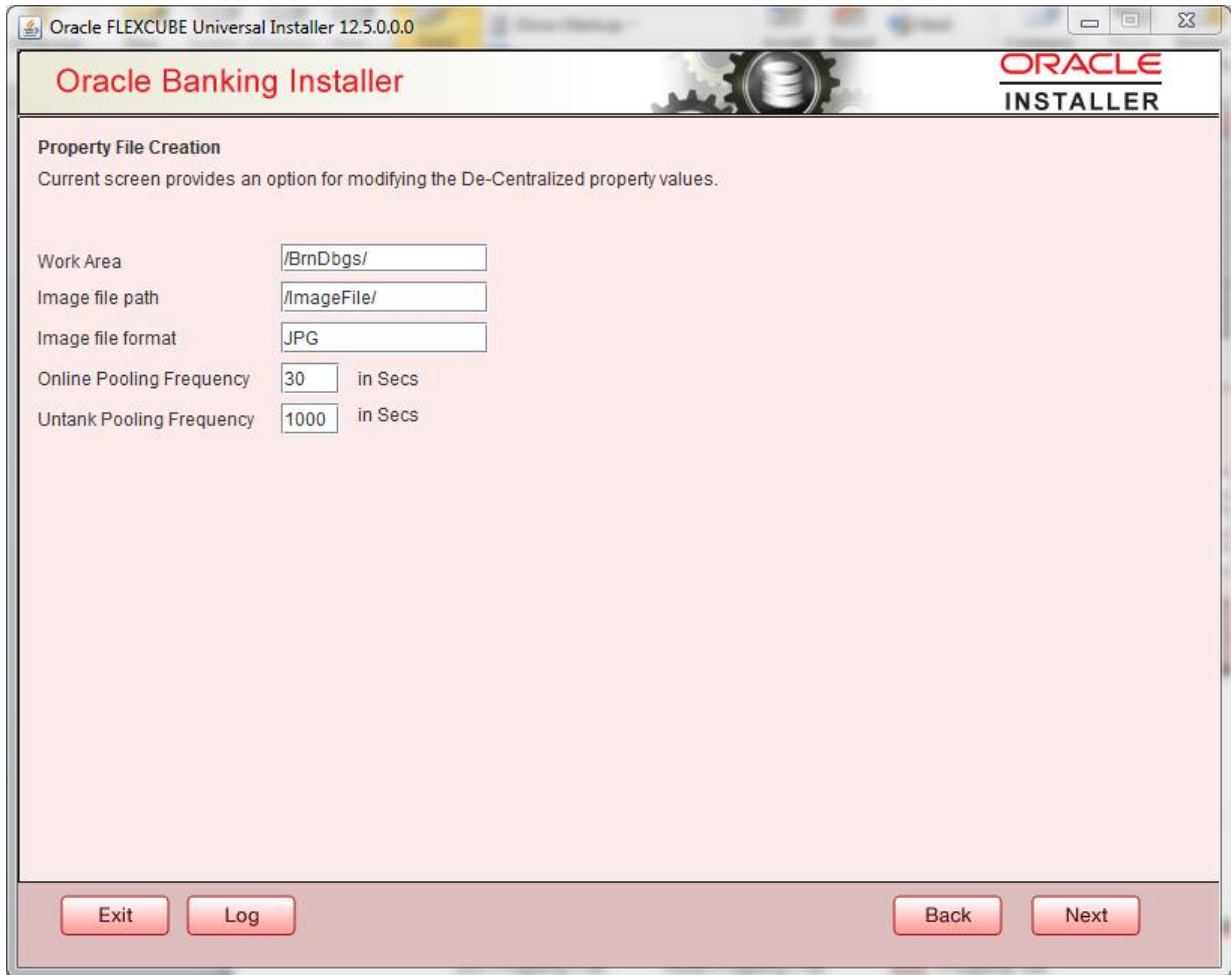
          

15. Click 'Next' and the following screen is displayed:

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.

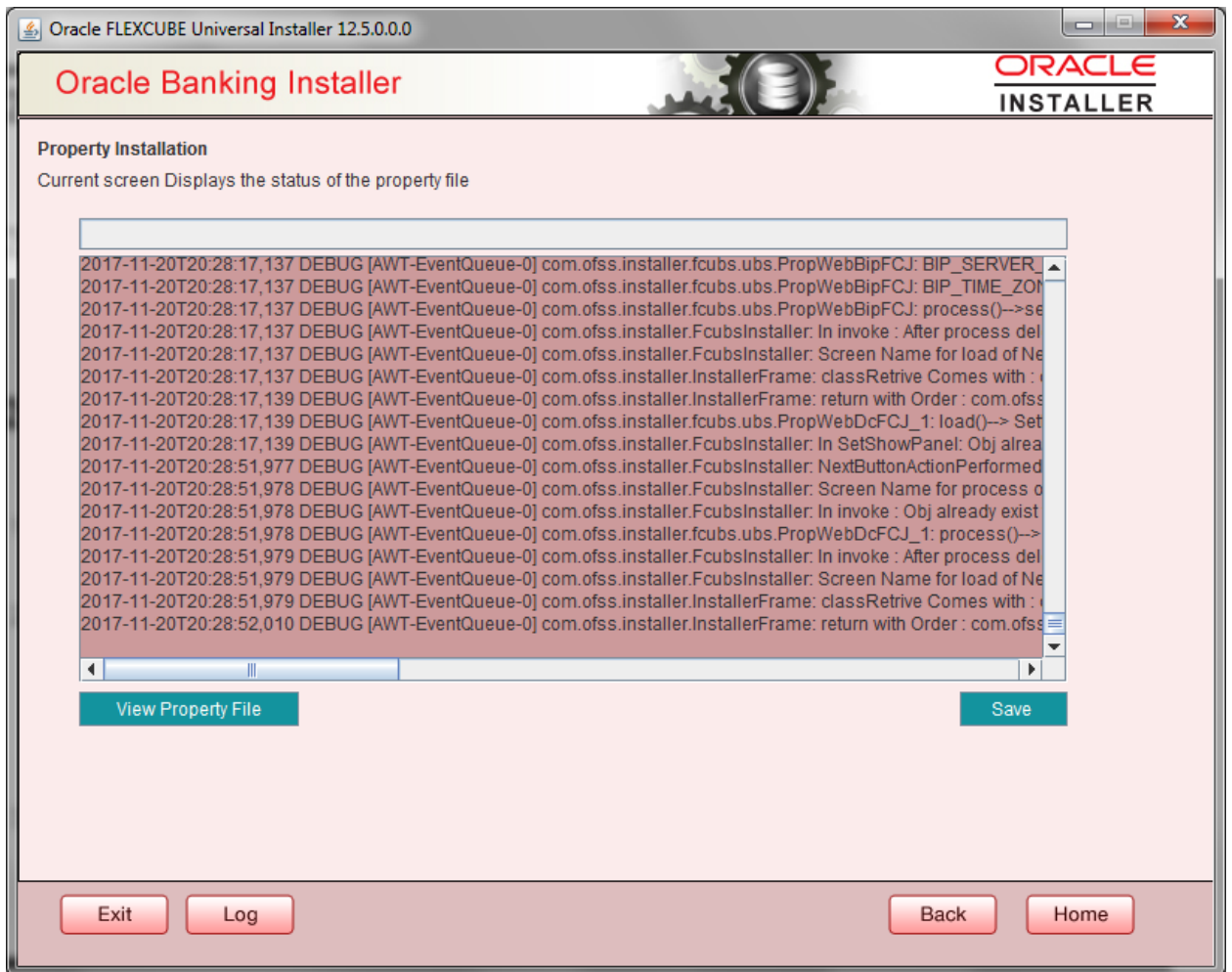
Enclosed sample files for reference. Checkpoint: INIT\_DATASOURCE in fcubs.properties

DC Property File      Host Property File      Env. Property file

  
fcubs.properties

  
fcubs.properties

  
env.properties



Oracle FLEXCUBE Universal Installer 12.5.0.0

### Oracle Banking Installer

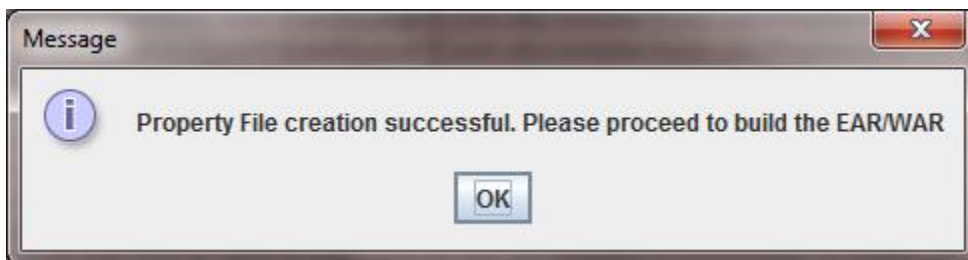
ORACLE  
INSTALLER

**Property Installation**  
Current screen Displays the status of the property file

```
2017-11-20T20:28:17,137 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubs.ubs.PropWebBipFCJ: BIP_SERVER_
2017-11-20T20:28:17,137 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubs.ubs.PropWebBipFCJ: BIP_TIME_ZON
2017-11-20T20:28:17,137 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller: In invoke : After process del
2017-11-20T20:28:17,137 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller: Screen Name for load of Ne
2017-11-20T20:28:17,137 DEBUG [AWT-EventQueue-0] com.ofss.installer.InstallerFrame: classRetrive Comes with :
2017-11-20T20:28:17,139 DEBUG [AWT-EventQueue-0] com.ofss.installer.InstallerFrame: return with Order : com.ofss
2017-11-20T20:28:17,139 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubs.ubs.PropWebDcFCJ_1: load()-> Set
2017-11-20T20:28:17,139 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller: In setShowPanel: Obj alrea
2017-11-20T20:28:51,977 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller: NextButtonActionPerformed
2017-11-20T20:28:51,978 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller: Screen Name for process o
2017-11-20T20:28:51,978 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller: In invoke : Obj already exist
2017-11-20T20:28:51,978 DEBUG [AWT-EventQueue-0] com.ofss.installer.fcubs.ubs.PropWebDcFCJ_1: process()->
2017-11-20T20:28:51,979 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller: In invoke : After process del
2017-11-20T20:28:51,979 DEBUG [AWT-EventQueue-0] com.ofss.installer.FcubsInstaller: Screen Name for load of Ne
2017-11-20T20:28:51,979 DEBUG [AWT-EventQueue-0] com.ofss.installer.InstallerFrame: classRetrive Comes with :
2017-11-20T20:28:52,010 DEBUG [AWT-EventQueue-0] com.ofss.installer.InstallerFrame: return with Order : com.ofss
```

View Property File Save

Exit Log Back Home



Message

**i** Property File creation successful. Please proceed to build the EAR/WAR

OK

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.propertiesfile 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.

#### RECOMPILATION SCRIPT

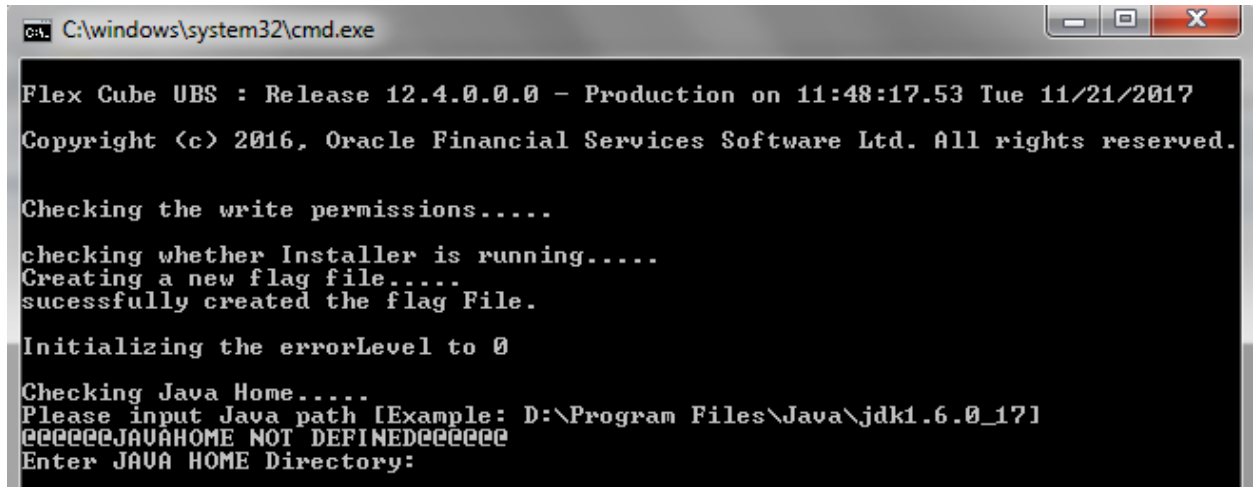


fast.sql

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=DCHOST5

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.



```
C:\windows\system32\cmd.exe

Flex Cube UBS : Release 12.4.0.0.0 - Production on 11:48:17.53 Tue 11/21/2017
Copyright (c) 2016, Oracle Financial Services Software Ltd. All rights reserved.

Checking the write permissions.....
checking whether Installer is running.....
Creating a new flag file.....
sucessfully created the flag File.

Initializing the errorLevel to 0

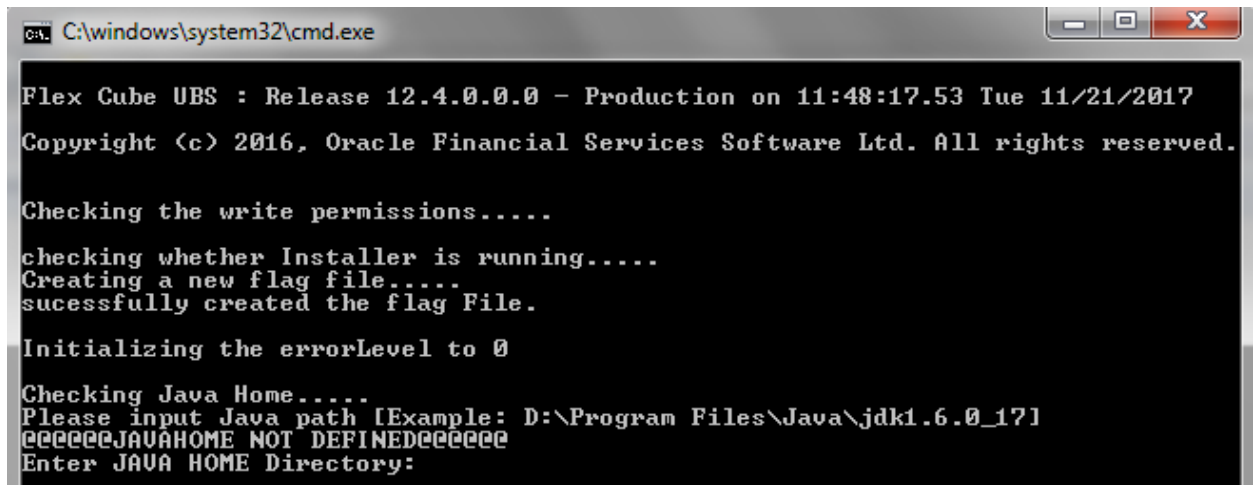
Checking Java Home.....
Please input Java path [Example: D:\Program Files\Java\jdk1.6.0_17]
@@@@@@JAVAHOME NOT DEFINED@@@@@@
Enter JAVA HOME Directory:
```

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)



```
C:\windows\system32\cmd.exe

Flex Cube UBS : Release 12.4.0.0.0 - Production on 11:48:17.53 Tue 11/21/2017
Copyright (c) 2016, Oracle Financial Services Software Ltd. All rights reserved.

Checking the write permissions.....
checking whether Installer is running.....
Creating a new flag file.....
sucessfully created the flag File.

Initializing the errorLevel to 0

Checking Java Home.....
Please input Java path [Example: D:\Program Files\Java\jdk1.6.0_17]
@@@@@@JAVAHOME NOT DEFINED@@@@@@
Enter JAVA HOME Directory:
```



---

## 3. Decentralized Application setup (via WebLogic)

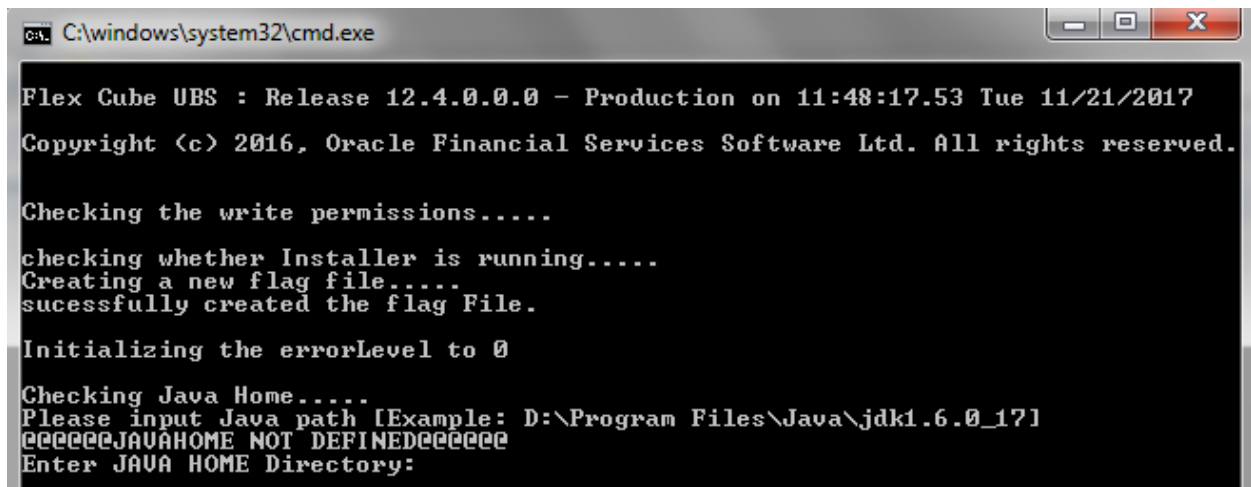
### 3.1 Introduction

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.



```
C:\windows\system32\cmd.exe
Flex Cube UBS : Release 12.4.0.0.0 - Production on 11:48:17.53 Tue 11/21/2017
Copyright (c) 2016, Oracle Financial Services Software Ltd. All rights reserved.

Checking the write permissions.....
checking whether Installer is running.....
Creating a new flag file.....
sucessfully created the flag File.

Initializing the errorLevel to 0

Checking Java Home.....
Please input Java path [Example: D:\Program Files\Java\jdk1.6.0_17]
JAVAHOME NOT DEFINED
Enter JAVA HOME Directory:
```

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.

whf00bey.in.oracle.com:8201/console/console.portal?\_nfpb=true&\_pageLabel=ServerConfigGeneralTabPage&CoreServerServerConfigGeneralPortlethandle=com.bea.console.handles.JMXHandle%28'com.bea%3AName%3Dsoa\_server1...

**ORACLE WebLogic Server Administration Console 12c**

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: FCTEST

Home > Summary of Servers > soa\_server1

Settings for soa\_server1

Configuration Protocols Logging Debug Monitoring Control Deployments Services Security Notes

General Cluster Services Keystores SSL Federation Services Deployment Migration Tuning Overload Concurrency Health Monitoring Server Start Web Services Coherence

Click the **Lock & Edit** button in the Change Center to modify the settings on this page.

Save

Use this page to configure general features of this server such as default network communications.

View JNDI Tree

<b>Name:</b>	soa_server1	An alphanumeric name for this server instance. <a href="#">More Info...</a>
<b>Template:</b>	(No value specified) <a href="#">Change</a>	The template used to configure this server. <a href="#">More Info...</a>
<b>Machine:</b>	Machine1	The WebLogic Server host computer (machine) on which this server is meant to run. <a href="#">More Info...</a>
<b>Cluster:</b>	(Stand-Alone)	The cluster, or group of WebLogic Server instances, to which this server belongs. <a href="#">More Info...</a>
<b>Listen Address:</b>	10.184.157.98	The IP address or DNS name this server uses to listen for incoming connections. For example, enter 12.34.5.67 or mymachine, respectively. <a href="#">More Info...</a>
<input checked="" type="checkbox"/> <b>Listen Port Enabled</b>		Specifies whether this server can be reached through the default plain-text (non-SSL) listen port. <a href="#">More Info...</a>
<b>Listen Port:</b>	8203	The default TCP port that this server uses to listen for regular (non-SSL) incoming connections. <a href="#">More Info...</a>
<input checked="" type="checkbox"/> <b>SSL Listen Port Enabled</b>		Indicates whether the server can be reached through the default SSL listen port. <a href="#">More Info...</a>
<b>SSL Listen Port:</b>	8204	The TCP/IP port at which this server listens for SSL connection requests. <a href="#">More Info...</a>
<input type="checkbox"/> <b>Client Cert Proxy Enabled</b>		Specifies whether the HttpClusterServlet proxies the client certificate in a special header. <a href="#">More Info...</a>
<b>Java Compiler:</b>	javac	The Java compiler to use for all applications hosted on this server that need to compile Java code. <a href="#">More Info...</a>
<b>Diagnostic Volume:</b>	Low	Specifies the volume of diagnostic data that is automatically produced by WebLogic Server at run time. Note that the WLDP diagnostic volume setting does not affect explicitly configured diagnostic modules. For example, this controls the volume of events generated for Flight Recorder. <a href="#">More Info...</a>
<b>Default Datasource:</b>		The JNDI name of a system resource data source used to override the default datasource. <a href="#">More Info...</a>

Advanced

Save

Click the **Lock & Edit** button in the Change Center to modify the settings on this page.

2. Map Data source as follows

**ORACLE WebLogic Server Administration Console 12c**

Home | Log Out | Preferences | Record | Help

Welcome, weblogic | Connected to: FCTE...

Home > Summary of Servers > ssa\_server1 > Summary of Deployments > Summary of Deployments > Summary of JDBC Data Sources > jdbc/fcdevDS

**Settings for jdbc/fcdevDS**

Configuration | Targets | Monitoring | Control | Security | Notes

General | Connection Pool | Oracle | ONS | Transaction | Diagnostics | Identity Options

Click the **Lock & Edit** button in the Change Center to modify the settings on this page.

Applications get a database connection from a data source by looking up the data source on the Java Naming and Directory Interface (JNDI) tree and then requesting a connection. The data source provides the connection to the application from its pool of database connections. This page enables you to define general configuration options for this JDBC data source.

**Name:** jdbc/fcdevDS A unique name that identifies this data source in the WebLogic domain. [More Info...](#)

**Datasource Type:** GENERIC The data source type. Valid types are: [More Info...](#)

**Scope:** Global The scope in which the data source is available in. [More Info...](#)

**JNDI Name:** jdbc/fcdevDS The JNDI path to where this data source is bound. By default, the JNDI name is the name of the data source. [More Info...](#)

**Row Prefetch Enabled** Enables multiple rows to be "prefetched" (that is, sent from the server to the client) in one server access. [More Info...](#)

**Row Prefetch Size:** 48 If row prefetching is enabled, specifies the number of result set rows to prefetch for a client. [More Info...](#)

**Stream Chunk Size:** 256 Specifies the data chunk size for streaming data types. [More Info...](#)

Click the **Lock & Edit** button in the Change Center to modify the settings on this page.

WebLogic Server Version: 12.2.1.2.0  
Copyright (C) 1996-2016, Oracle and/or its affiliates. All rights reserved.  
Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

Connection pool as follows,

<b>URL:</b>	jdbc:oracle:thin:@whf00blr.in.oracle.com:1522/FCPDBR2	The URL of the database to connect to. The format of the URL varies by JDBC driver. <a href="#">More Info...</a>
<b>Driver Class Name:</b>	oracle.jdbc.OracleDriver	The full package name of JDBC driver class used to create the physical database connections in the connection pool. (Note that this driver class must be in the classpath of any server to which it is deployed.) <a href="#">More Info...</a>
<b>Properties:</b>	user=FC125R2	The list of properties passed to the JDBC driver that are used to create physical database connections. For example: server=dbserver1. List each property=value pair on a separate line. <a href="#">More Info...</a>
<b>System Properties:</b>		The list of System Properties names passed to the JDBC driver that are used to create physical database connections. For example: server=dbserver1. List each property=value pair on a separate line. <a href="#">More Info...</a>
<b>Encrypted Properties:</b>	<input type="text"/> <input type="button" value="Add Securely"/>	The list of encrypted Properties passed to the JDBC driver that are used to create physical database connections. For example: password=value. There are two ways to entered the values: You can enter several values at once but the encrypted values will be visible on the screen until you save the changes. To use this option, list each property=value pair on a separate line. Values entered will be encrypted when saved. To enter the information securely, save any other changes that you wish to make to this page and click on the Add Securely button. On the Add a new Encrypted Property page, enter the property name and masked value, and click OK. Repeat for additional encrypted property values. <a href="#">More Info...</a>
<b>Password:</b>	<input type="password"/>	The password attribute passed to the JDBC driver when creating physical database connections. <a href="#">More Info...</a>
<b>Confirm Password:</b>	<input type="password"/>	
<b>Initial Capacity:</b>	1	The number of physical connections to create when creating the connection pool in the data source. If unable to create this number of connections, creation of the data source will fail. <a href="#">More Info...</a>
<b>Maximum Capacity:</b>	100	The maximum number of physical connections that this connection pool can contain. <a href="#">More Info...</a>
<b>Minimum Capacity:</b>	1	The minimum number of physical connections that this connection pool can contain after it is initialized. <a href="#">More Info...</a>
<b>Statement Cache Type:</b>	LRU	The algorithm used for maintaining the prepared statements stored in the statement cache. <a href="#">More Info...</a>
<b>Statement Cache Size:</b>	10	The number of prepared and callable statements stored in the cache. (This may increase server performance.) <a href="#">More Info...</a>

**Advanced**

The screenshot shows the Oracle WebLogic Server Administration Console interface. The main content area is titled "Settings for AdminServer" and contains a configuration table with the following entries:

<b>Name:</b>	AdminServer	An alphanumeric name for this server instance. <a href="#">More Info...</a>
<b>Template:</b>	(No value specified) <a href="#">Change</a>	The template used to configure this server. <a href="#">More Info...</a>
<b>Machine:</b>	(None)	The WebLogic Server host computer (machine) on which this server is meant to run. <a href="#">More Info...</a>
<b>Cluster:</b>	(Stand-Alone)	The cluster, or group of WebLogic Server instances, to which this server belongs. <a href="#">More Info...</a>
<b>Listen Address:</b>	10.184.152.169	The IP address or DNS name this server uses to listen for incoming connections. For example, enter 12.34.5.67 or mymachine, respectively. <a href="#">More Info...</a>
<input checked="" type="checkbox"/> <b>Listen Port Enabled</b>		Specifies whether this server can be reached through the default plain-text (non-SSL) listen port. <a href="#">More Info...</a>
<b>Listen Port:</b>	7201	The default TCP port that this server uses to listen for regular (non-SSL) incoming connections. <a href="#">More Info...</a>
<input checked="" type="checkbox"/> <b>SSL Listen Port Enabled</b>		Indicates whether the server can be reached through the default SSL listen port. <a href="#">More Info...</a>
<b>SSL Listen Port:</b>	7202	The TCP/IP port at which this server listens for SSL connection requests. <a href="#">More Info...</a>
<input type="checkbox"/> <b>Client Cert Proxy Enabled</b>		Specifies whether the HttpClusterServlet proxies the client certificate in a special header. <a href="#">More Info...</a>
<b>Java Compiler:</b>	javac	The Java compiler to use for all applications hosted on this server that need to compile Java code. <a href="#">More Info...</a>
<b>Diagnostic Volume:</b>	Low	Specifies the volume of diagnostic data that is automatically produced by WebLogic Server at run time. Note that the WLDI diagnostic volume setting does not affect explicitly configured diagnostic modules. For example, this controls the volume of events generated for Flight Recorder. <a href="#">More Info...</a>
<b>Default Datasource:</b>		The JNDI name of a system resource data source used to override the default datasource. <a href="#">More Info...</a>

Set the Targets to both admin server and managed server, based on the application pointing to.

The screenshot shows the Oracle WebLogic Server Administration Console interface. The main content area is titled "Settings for jlibc/fcjddevDS" and contains a "Targets" tab. Below the "Targets" tab, there is a section titled "Servers" with a table listing the servers to be targeted:

Servers
<input checked="" type="checkbox"/> AdminServer
<input checked="" type="checkbox"/> soa_server1

3. Install jax-rs library first and then application EAR(.ear) as follows,

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic

Change Center

View changes and restarts

Click the Lock & Edit button to modify, add or delete items in this domain.

Lock & Edit

Release Configuration

Domain Structure

- Resource Groups
- Resource Group Templates
- Machines
- Virtual Hosts
- Virtual Targets
- Work Managers
- Concurrent Templates
- Resource Management
- Startup and Shutdown Classes

Deployments

- Security Realms
- Interoperability
- Diagnostics

How do I...

- Install an enterprise application
- Configure an enterprise application
- Update (redeploy) an enterprise application
- Monitor the modules of an enterprise application
- Deploy EJB modules
- Install a Web application

System Status

Health of Running Servers as of 1:34 AM

Failed (0)

Critical (0)

Overloaded (0)

Warning (0)

OK (2)

Summary of Deployments

Configuration Control Monitoring

This page displays the list of Java EE applications and standalone application modules installed to this domain.

You can update (redeploy) or delete installed applications and modules from the domain by selecting the checkbox next to the application name and then using the controls on this page.

To install a new application or module for deployment to targets in this domain, click **Install**.

Customize this table

Deployments

Install Update Delete

Name	State	Health	Type	Targets	Scope	Domain Partitions	Deployment
<input type="checkbox"/> FCUBSDC1	Active	Warning	Enterprise Application	soa_server1	Global		100
<input type="checkbox"/> Jax-rs(2.0,2.22.1.0)	Active		Library	soa_server1	Global		100

Showing 1 to 2 of 2 Pre

WebLogic Server Version: 12.2.1.2.0  
Copyright (c) 1996-2016, Oracle and/or its affiliates. All rights reserved.  
Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

whf00beyin.oracle.com:8201/console/console.portal?\_nfpb=true&\_pageLabel=AppDeploymentsControlPage&AppDeploymentsControlPortletHandle=com.bea.console.handlers.IMXHandle%28\*com.bea%3AName%3DFCTEST2%2CType%3DDomain%29

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.

**ORACLE WebLogic Server Administration Console 12c**

Home Log Out Preferences Record Help  Welcome, weblogic Connected to: FC125C

Home > Summary of Domain Partitions > Summary of Partition Work Managers > Summary of Servers > AdminServer > Summary of Servers > Summary of Deployments > Summary of JDBC Data Sources > jdbc/fcjdevo5branch

### Settings for jdbc/fcjdevo5branch

Configuration Targets Monitoring Control Security Notes

General Connection Pool Oracle ONS Transaction Diagnostics Identity Options

Click the **Lock & Edit** button in the Change Center to modify the settings on this page.

Save

Applications get a database connection from a data source by looking up the data source on the Java Naming and Directory Interface (JNDI) tree and then requesting a connection. The data source provides the connection to the application from its pool of database connections. This page enables you to define general configuration options for this JDBC data source.

<b>Name:</b>	jdbc/fcjdevo5branch	A unique name that identifies this data source in the WebLogic domain. <a href="#">More Info...</a>
<b>Datasource Type:</b>	GENERIC	The data source type. Valid types are: <a href="#">More Info...</a>
<b>Scope:</b>	Global	The scope in which the data source is available in. <a href="#">More Info...</a>
<b>JNDI Name:</b>	jdbc/fcjdevo5branch	The JNDI path to where this data source is bound. By default, the JNDI name is the name of the data source. <a href="#">More Info...</a>
<input type="checkbox"/> <b>Row Prefetch Enabled</b>		Enables multiple rows to be "prefetched" (that is, sent from the server to the client) in one server access. <a href="#">More Info...</a>
<b>Row Prefetch Size:</b>	48	If row prefetching is enabled, specifies the number of result set rows to prefetch for a client. <a href="#">More Info...</a>
<b>Stream Chunk Size:</b>	256	Specifies the data chunk size for streaming data types. <a href="#">More Info...</a>

Save

Click the **Lock & Edit** button in the Change Center to modify the settings on this page.

WebLogic Server Version 12.2.1.2.0  
Copyright (c) 1996-2016, Oracle and/or its affiliates. All rights reserved.  
Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

**ORACLE WebLogic Server Administration Console 12c**

Home Log Out Preferences Record Help  Welcome, weblogic Connected to: FC125C

Home > Summary of Domain Partitions > Summary of Partition Work Managers > Summary of Servers > AdminServer > Summary of Servers > Summary of Deployments > Summary of JDBC Data Sources > jdbc/fcjdevo5branch

### Settings for jdbc/fcjdevo5branch

Configuration Targets Monitoring Control Security Notes

General Connection Pool Oracle ONS Transaction Diagnostics Identity Options

Click the **Lock & Edit** button in the Change Center to modify the settings on this page.

Save

The connection pool within a JDBC data source contains a group of JDBC connections that applications reserve, use, and then return to the pool. The connection pool and the connections within it are created when the connection pool is registered, usually when starting up WebLogic Server or when deploying the data source to a new target.

Use this page to define the configuration for this data source's connection pool.

<b>URL:</b>	jdbc:oracle:thin:@ofss2311553.in.oracle.com:1521/FC	The URL of the database to connect to. The format of the URL varies by JDBC driver. <a href="#">More Info...</a>
<b>Driver Class Name:</b>	oracle.jdbc.xa.client.OracleXADataSource	The full package name of JDBC driver class used to create the physical database connections in the connection pool. (Note that this driver class must be in the classpath of any server to which it is deployed.) <a href="#">More Info...</a>
<b>Properties:</b>	usec=FC125DEC	The list of properties passed to the JDBC driver that are used to create physical database connections. For example: server=observer1. List each property=value pair on a separate line. <a href="#">More Info...</a>
<b>System Properties:</b>		The list of System Properties names passed to the JDBC driver that are used to create physical database connections. For example: server=observer1. List each property=value pair on a separate line. <a href="#">More Info...</a>
<b>Encrypted Properties:</b>		The list of encrypted Properties passed to the JDBC driver that are used to create physical database connections. For example: password=value. There are two ways to enter the values: You can enter several values at once but the encrypted values will be visible on the screen until you save the changes. To use this option, list each property=value pair on a separate line. Values entered will be encrypted when saved. To enter the information securely, save any other changes that you wish to make to this page and click on the Add Securely button. On the Add a new Encrypted Property page, enter the property name and masked value, and click OK. Repeat for additional encrypted property values. <a href="#">More Info...</a>
<b>Password:</b>	*****	The password attribute passed to the JDBC driver when creating physical database connections. <a href="#">More Info...</a>
<b>Confirm Password:</b>	*****	
<b>Initial Capacity:</b>	1	The number of physical connections to create when creating the connection pool in the data source. If unable to create this number of connections, creation of the data source will fail. <a href="#">More Info...</a>

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help Welcome, weblogic Connected to: FC125

Summary of Domain Partitions > Summary of Partition Work Managers > Summary of Servers > AdminServer > Summary of Servers > Summary of Deployments > Summary of JDBC Data Sources

**Summary of JDBC Data Sources**

Configuration Monitoring

A JDBC data source is an object bound to the JNDI tree that provides database connectivity through a pool of JDBC connections. Applications can look up a data source on the JNDI tree and then borrow a database connection from a data source. This page summarizes the JDBC data source objects that have been created in this domain.

Customize this table

Data Sources (Filtered - More Columns Exist)

Click the Lock & Edit button in the Change Center to activate all the buttons on this page.

Name	Type	JNDI Name	Targets	Scope	Domain Partitions
<input type="checkbox"/> jdbc/fqdevDBBranch	Generic	jdbc/fqdevDBBranch	AdminServer	Global	

Showing 1 to 2 of 2 Previous Next

How do I...  
 • Create JDBC generic data sources  
 • Create JDBC GridLink data sources  
 • Create JDBC multi data sources  
 • Create UCP data sources  
 • Create Proxy data sources

System Status  
 Health of Running Servers as of 11:06 AM  
 Failed (0)  
 Critical (0)  
 Overloaded (0)  
 Warning (0)  
 OK (1)

### 3. Install .war file generated and jax-rs.

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help Welcome, weblogic Connected to: FC125

Summary of Domain Partitions > Summary of Partition Work Managers > Summary of Servers > AdminServer > Summary of Servers > Summary of Deployments

**Summary of Deployments**

Configuration Control Monitoring

This page displays the list of Java EE applications and standalone application modules installed to this domain. You can update (redeploy) or delete installed applications and modules from the domain by selecting the checkbox next to the application name and then using the controls on this page. To install a new application or module for deployment to targets in this domain, click **Install**.

Customize this table

Deployments

Name	State	Health	Type	Targets	Scope	Domain Partitions	Deployment Order
<input type="checkbox"/> FCUBSAPP (12.4.0.0.0)	Active	OK	Web Application	AdminServer	Global		100
<input type="checkbox"/> jax-rs(2.0.22.1.0)	Active		Library	AdminServer	Global		100

Showing 1 to 2 of 2 Previous Next

How do I...  
 • Install an enterprise application  
 • Configure an enterprise application  
 • Update (redeploy) an enterprise application  
 • Monitor the modules of an enterprise application  
 • Deploy EJB modules  
 • Install a Web application

System Status  
 Health of Running Servers as of 11:06 AM  
 Failed (0)  
 Critical (0)  
 Overloaded (0)  
 Warning (0)  
 OK (1)

WebLogic Server Version 12.2.1.2.0  
 Copyright (c) 1996, 2016, Oracle and/or its affiliates. All rights reserved.  
 Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

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



Installer Decentralized setup  
[May] [2018]  
Version 14.1.0.0.0

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  
[www.oracle.com/financialservices/](http://www.oracle.com/financialservices/)

Copyright © [2016], [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, 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.