

Gateway Application Setup  
Oracle FLEXCUBE Investor  
Servicing Release 14.7.2.0.0  
[May] [2023]



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# 1. Setting up Gateway for Oracle FLEXCUBE

## 1.1 Introduction

This chapter explains the steps for setting up the Gateway Application for Oracle FLEXCUBE.

## 1.2 Setting up Gateway EJB Application

This section explains the methods of setting up Gateway EJB Application.

### 1.2.1 Prerequisites

You need to create the following gateway EJB property files before building the application:

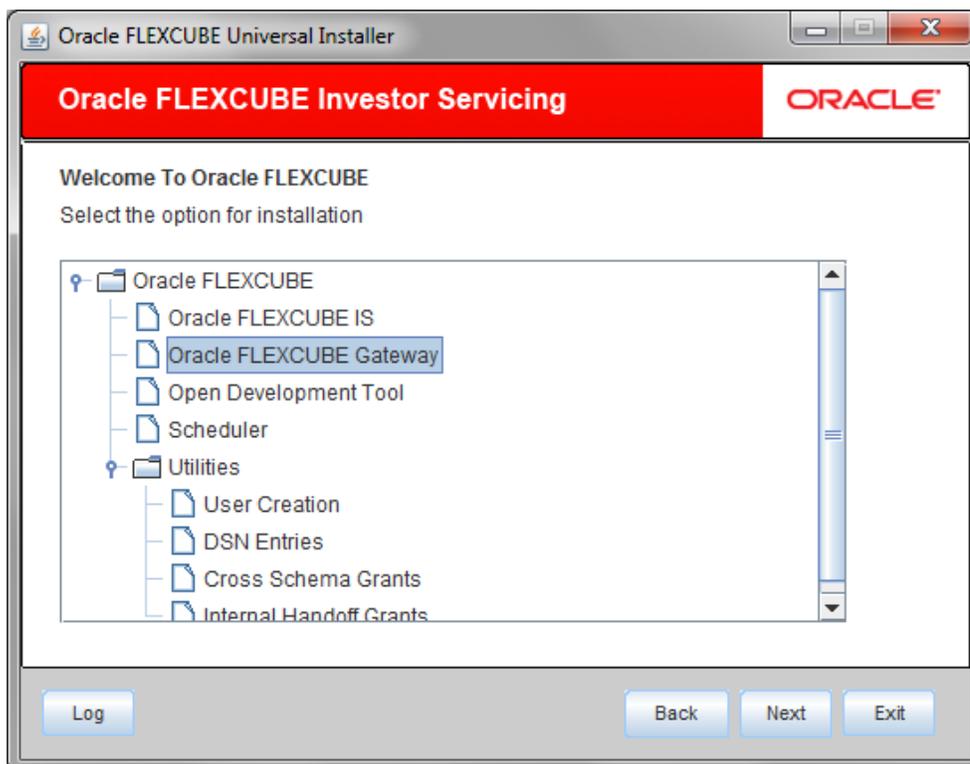
- *gw\_ejb\_logger.properties*
- *GW\_EJB\_Prop.properties*

*For details, refer to the section 'Gateway EJB Application' in chapter 'Setting up Property Files' (04-PropertyFile\_Setup).*

### 1.2.2 Building EAR File

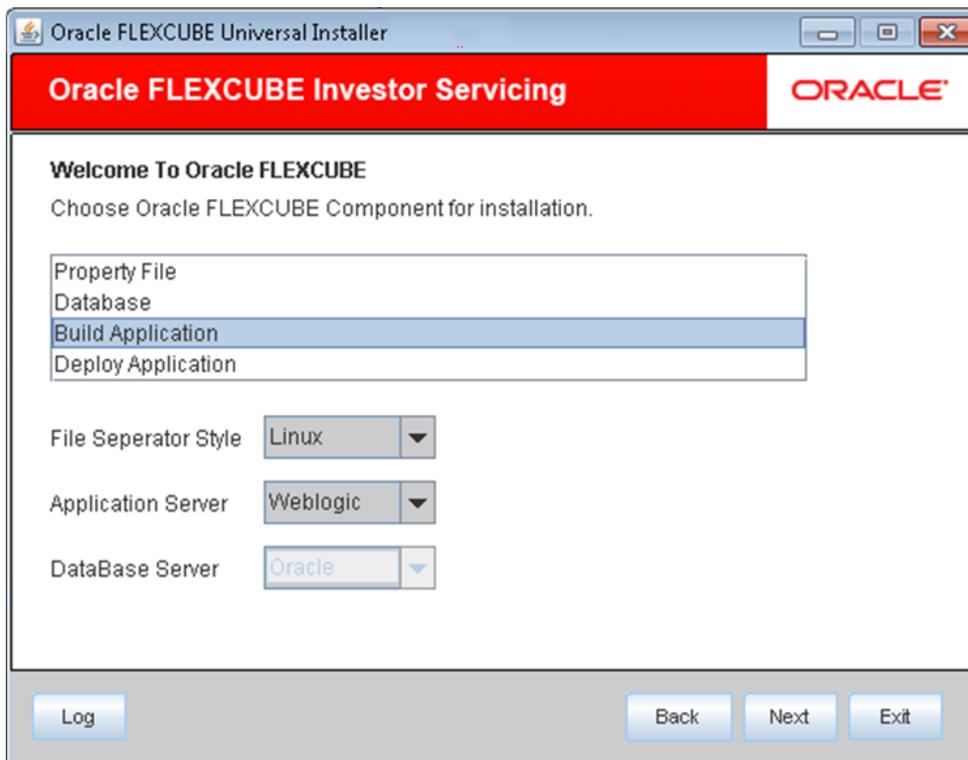
In order to build EAR file for Gateway EJB Application, you need to follow the steps given below:

1. Launch Oracle FLEXCUBE Universal Installer. The welcome screen is displayed.
2. Click 'Next' the following screen will be displayed.



3. Choose the Application 'Gateway'. Click 'Next'.

The following screen is displayed:



4. Specify the following details:

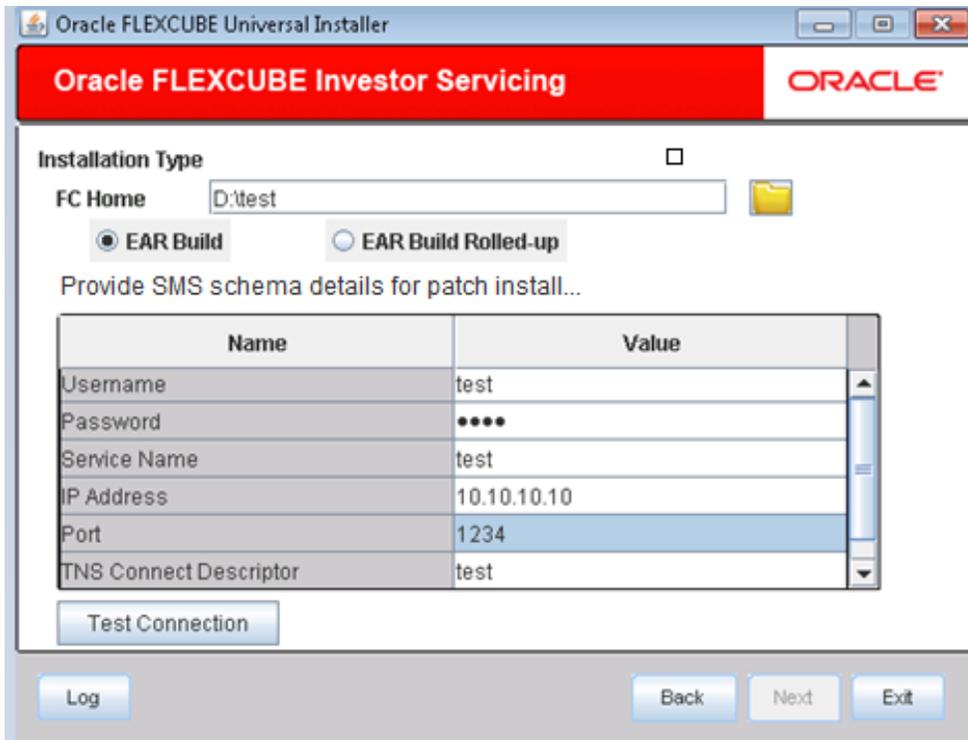
#### **File Separator Style**

Specify the style of file separator (e.g Linux or Windows). Choose the appropriate one from the drop-down list.

#### **Application Server**

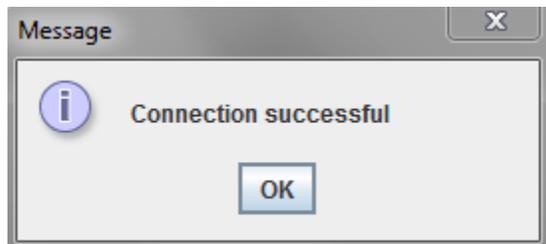
Specify the application server in which you are creating the property file. Choose the appropriate one from the drop-down list.

5. Choose 'Build Application'. Click 'Next'. The following screen is displayed:
6. This is the FC HOME folder that needs to be set. Also, it should point to SMS schema. Those versions less than or equal to the current environment are allowed.



Click 'Test Connection'.

On Successful connection the below message will be displayed.



Click OK. Click 'Next' to navigate to next page

The screenshot shows the Oracle FLEXCUBE Investor Servicing interface. At the top, there is a red header bar with the text "Oracle FLEXCUBE Investor Servicing" on the left and the "ORACLE" logo on the right. Below the header, the main content area is titled "Valid Patch List". It contains a table with the following data:

No	Version	Type	Select
1	14.0.0.0	CONSOLE	<input checked="" type="checkbox"/>

Below the table is a large empty rectangular area. At the bottom of the window, there is a grey bar containing four buttons: "Log", "Back", "Next", and "Exit".

Click Next.

The screenshot shows the Oracle FLEXCUBE Investor Servicing interface. At the top, there is a red header bar with the text "Oracle FLEXCUBE Investor Servicing" on the left and the "ORACLE" logo on the right. Below the header, the main content area is titled "Gateway Property File Creation". Underneath this title, it says "Choose the Gateway Application Type". A tree view is displayed with the following structure:

- Gateway Application Type
  - Gateway EJB
  - Gateway MDB
  - Gateway Http Servlet
  - Gateway WebServices
  - REST Services EJB
  - REST Services WebServices

At the bottom of the window, there is a grey bar containing four buttons: "Log", "Back", "Next", and "Exit".

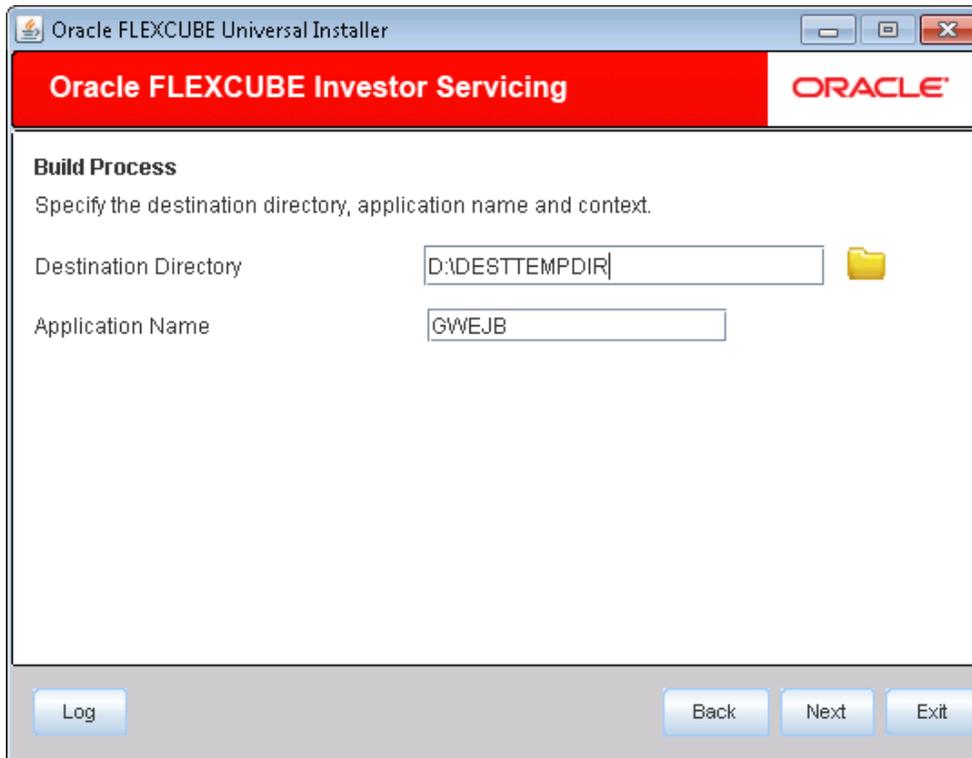
7. Choose 'Gateway EJB'. Click 'Next'.
8. Once you have specified the details, click 'Next' to continue.

The EJB reference name will be '{APPLICATIONNAME}\_GW\_EJB\_Bean' and the JNDI name will be '{APPLICATIONNAME}/ejb/GW\_EJB\_Bean'.

For example, consider that the application name is GWEJB. In that case EJB and JNDI names will be as follows:

- EJB reference name: GWEJB\_GW\_EJB\_Bean
- JNDI name: GWEJB/ejb/GW\_EJB\_Bean

9. Click 'Next'. The following screen is displayed.



Provide the destination directory path

Provide the required application name. Click Next and the below screen is displayed if the application server is weblogic.

The screenshot shows a dialog box titled "Oracle FLEXCUBE Investor Servicing" with the Oracle logo in the top right corner. The main area is titled "Build Process" and contains the following elements:

- A label "Specify the Property File path." followed by a "Load Property File" label and a text input field containing the path "ALLER\SOURCE\propfile\GW\_EJB\_Prop.properties". A yellow folder icon is positioned to the right of the text field.
- A "Symmetric key" label and a text input field containing the value "oraclefinancials".
- A large text area with the placeholder text "Provide the property file path to be included." and a vertical scrollbar on the right side.

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

10. Specify the following details:

### **Centralized Property File**

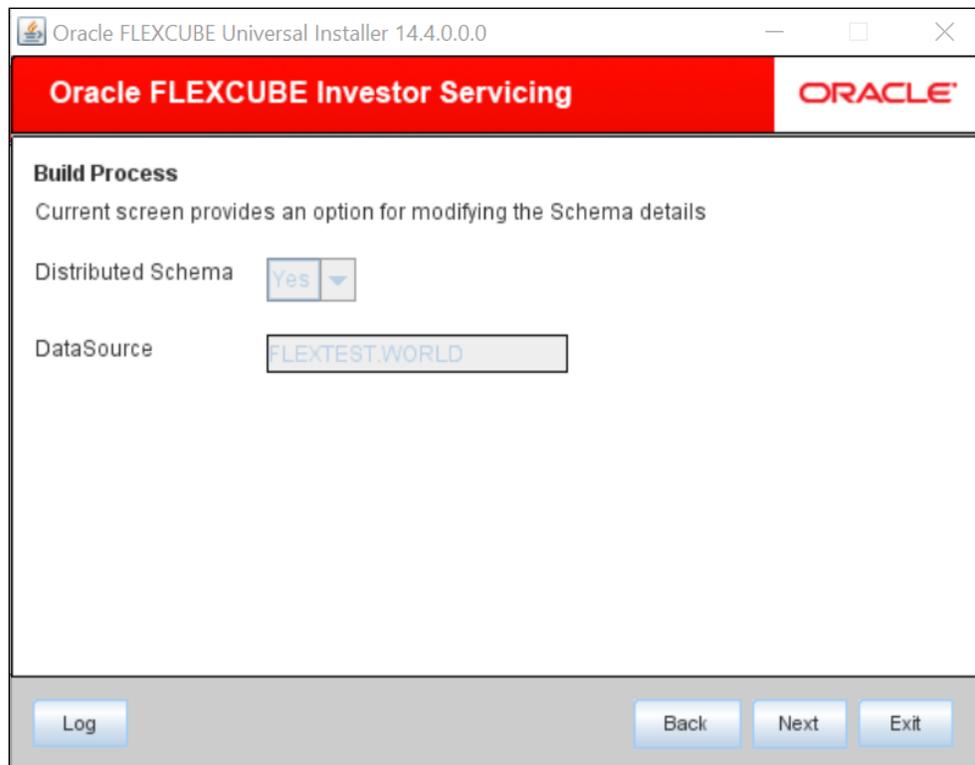
To modify an existing property file, you need to select the exact property file by clicking on the folder icon.

### **Symmetric Key**

Specify the symmetric key details.

**Note:** Do not load the Logger.properties file. The installer will load that file automatically based on the property file.

11. Click 'Next'. The following screen is displayed.



12. Specify the following details:

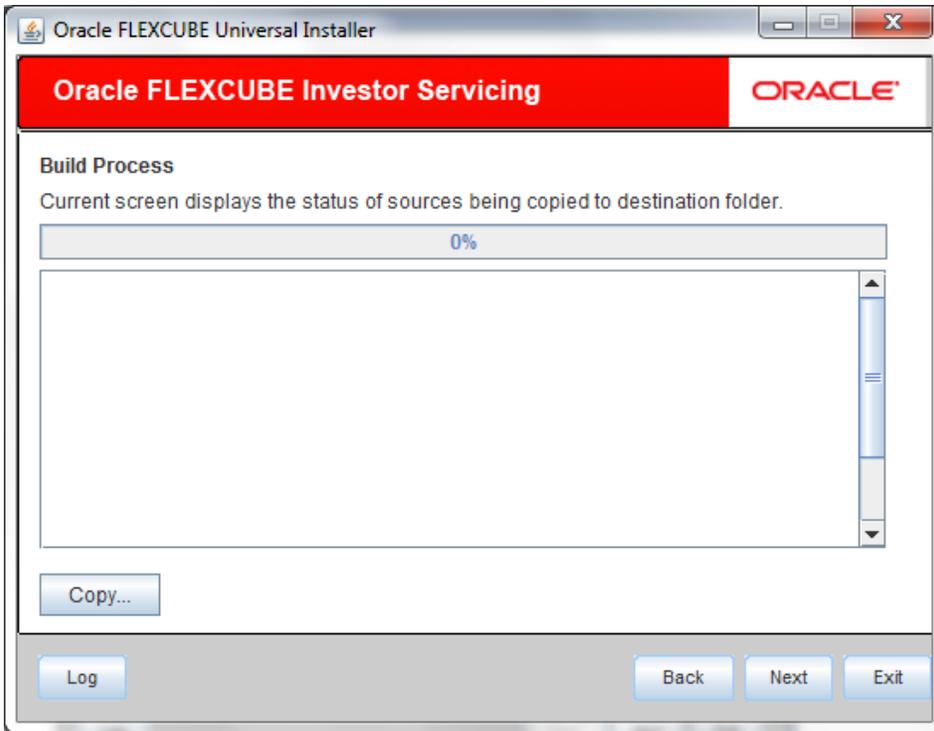
#### **Distributed Schema**

Specify whether this is a distributed schema or not. This is a read only component. The Distributed schema will be YES only if the property file has distributed schema.

#### **Data Source**

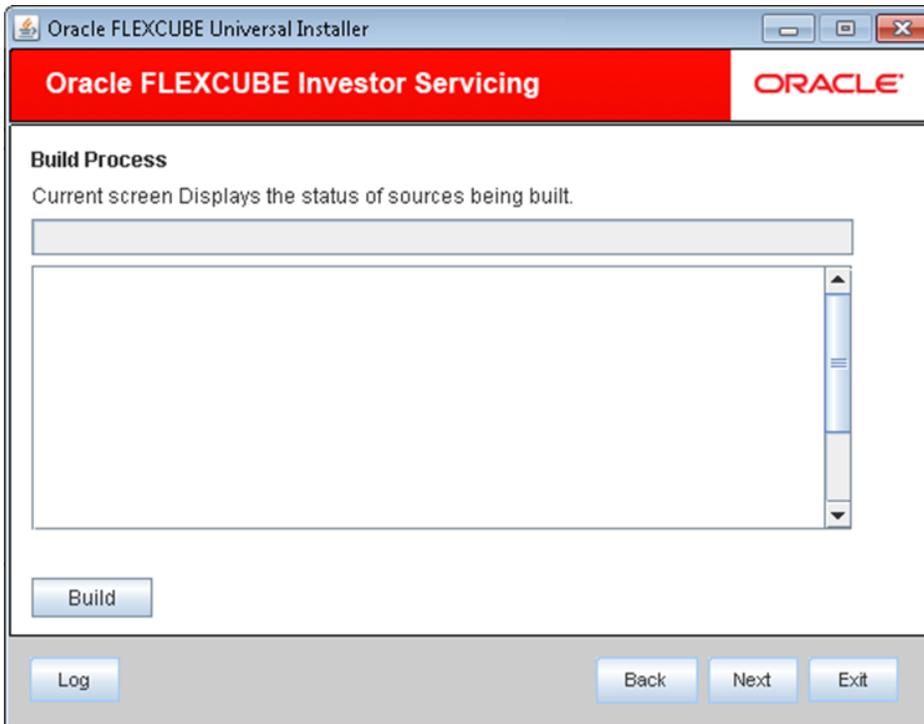
Specify the data source of the schema.

13. Click 'Next'. The following screen is displayed.



14. Click 'Copy' button. The installer copies the files.

15. Click 'Next'. The following screen is displayed.



16. Click 'Build' button to start the build process. The installer builds the source files.

This completes the EAR file generation process. The EAR file will be saved to the destination directory.

## 2. Setting up Gateway MDB Application

This section explains the methods of setting up Gateway MDB Application.

### 2.1.1 Prerequisites

You need to create the following gateway MDB property files before building the application:

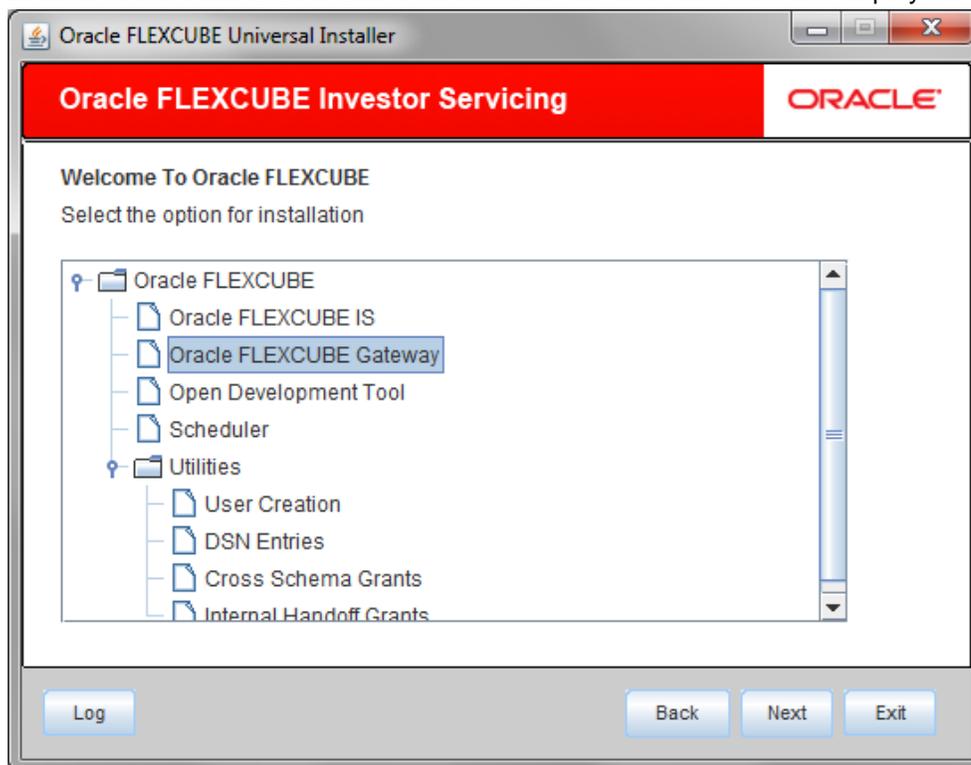
- *gw\_mdb\_logger.properties*
- *GW\_MDB\_Prop.properties*

*For details, refer to the section 'Gateway MDB Application' in chapter 'Setting up Property Files' (04-PropertyFile\_Setup).*

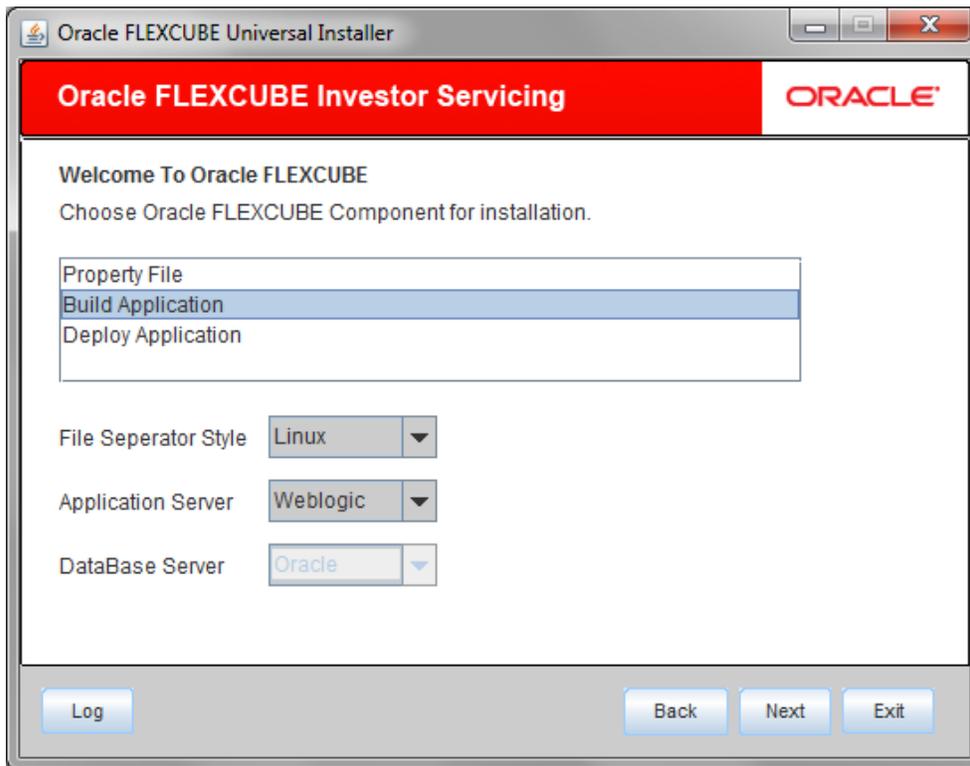
### 2.1.2 Building EAR File

In order to build EAR file for Gateway MDB Application, you need to follow the steps given below:

1. Launch Oracle FLEXCUBE Universal Installer. The welcome screen is displayed.



Choose the Application 'Oracle FLEXCUBE Gateway'. Click 'Next'. The following screen is displayed:



2. Specify the following details:

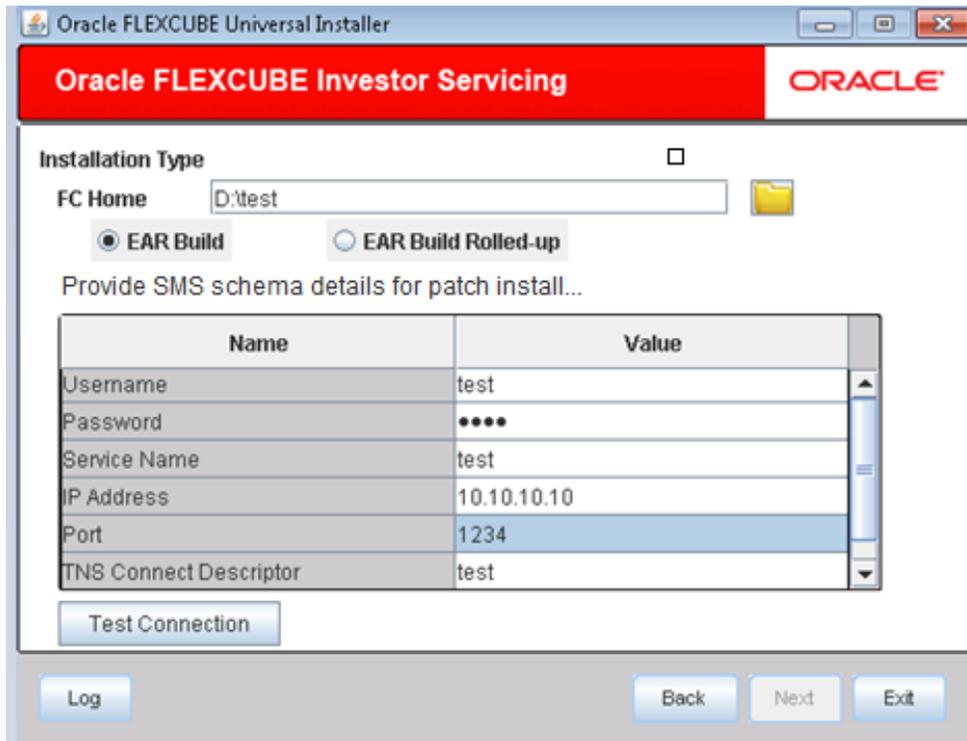
### **File Separator Style**

Specify the type of file separator (e.g: Linux or Windows). Choose the appropriate one from the drop-down list. You also need to specify the version of the selected operating system.

### **Application Server**

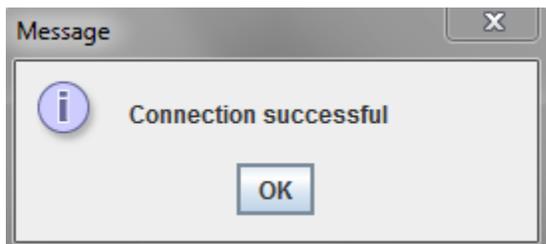
Specify the application server in which you are creating the property file. Choose the appropriate one from the drop-down list.

Choose 'Build Application'. Click 'Next'. The following screen is displayed



Choose FC home and specify the SMS schema details.

Click 'Test Connection'. On Successful connection the below message will be displayed.



Click OK. Click 'Next' to navigate to next page

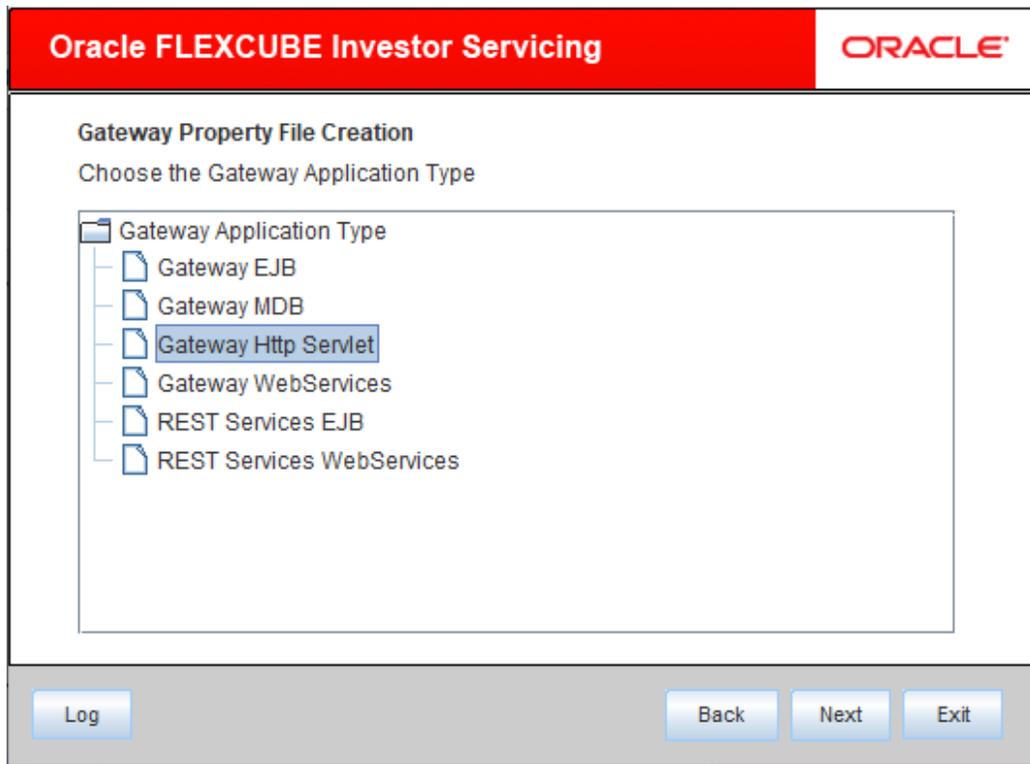
**Oracle FLEXCUBE Investor Servicing** **ORACLE**

**Valid Patch List**

No	Version	Type	Select
1	14.0.0.0	CONSOLE	<input checked="" type="checkbox"/>

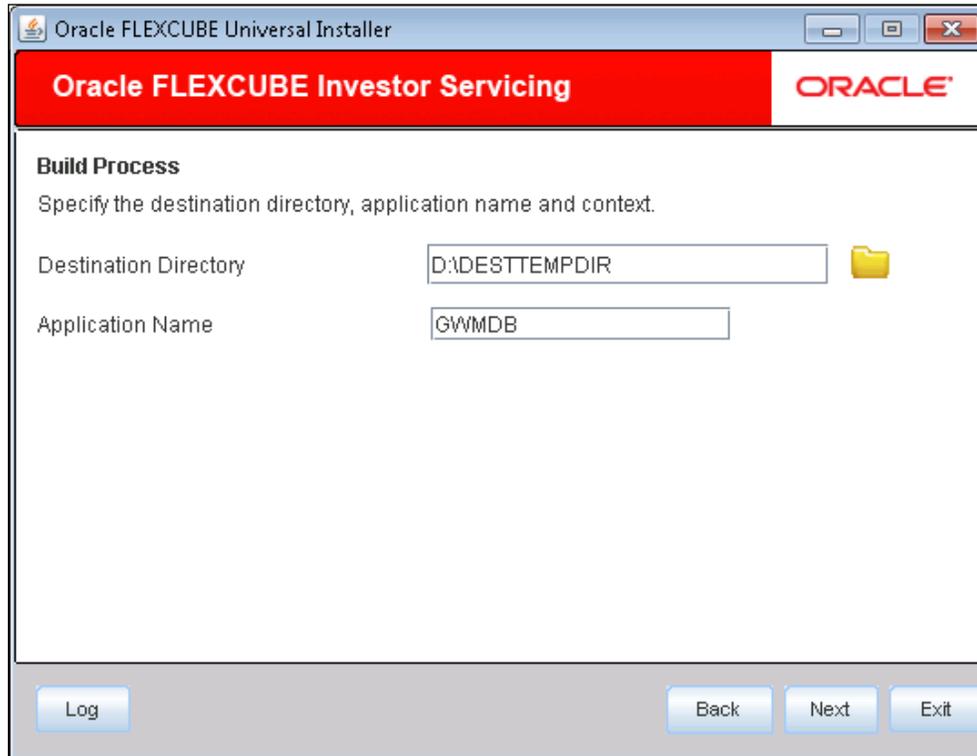
Choose patches from list and click 'Next'

The following screen is displayed:



3. Choose 'Gateway MDB'. Click 'Next'.

4. The following screen is displayed: Click 'Next' the following screen will be displayed.



5. Specify the following details:

#### **Destination Directory**

Specify the location of the destination directory. The source files from the software will be copied to this location.

Eg: D:\Testing\source\dest

#### **Application Name**

Specify the EAR name of the application.

The application name should not contain special characters and space. However, you may use '\_' (Underscore).

Eg: GWMDB

- Once you have specified the details, click 'Next' to continue.

The screenshot shows a software window titled "Oracle FLEXCUBE Investor Servicing" with the Oracle logo in the top right corner. The main area is titled "Build Process" and contains the following elements:

- A label "Specify the Property File path." followed by a text input field containing the path "LLER\SOURCE\propfile\GW\_MDB\_Prop.properties" and a yellow folder icon to its right.
- A label "Symmetric key" followed by a text input field containing the value "oraclefinancials".
- A large, empty text area with a vertical scrollbar on the right side. The text "Provide the property file path to be included." is visible at the top of this area.

At the bottom of the window, there is a grey bar containing four buttons: "Log", "Back", "Next", and "Exit".

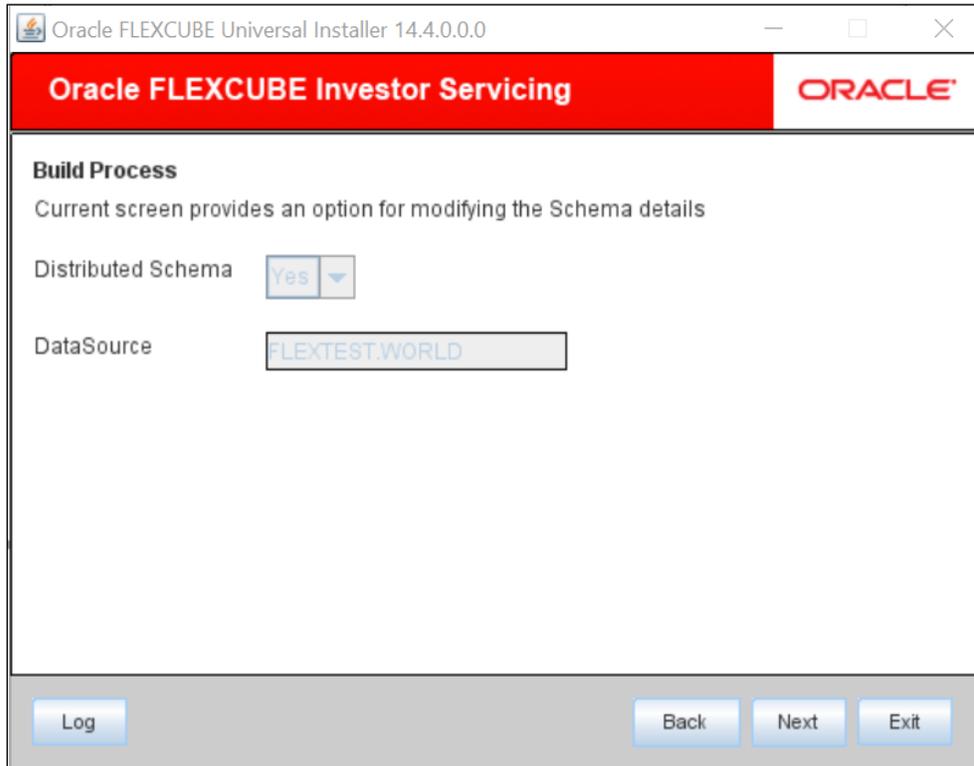
- Specify the following details:

#### Centralized Property File

To modify an existing property file, you need to select the exact property file by clicking on the folder icon.

**Note:** Do not load the Logger.properties file. The installer will load that file automatically based on the property file.

8. Click 'Next'. The following screen is displayed.



9. Specify the following details:

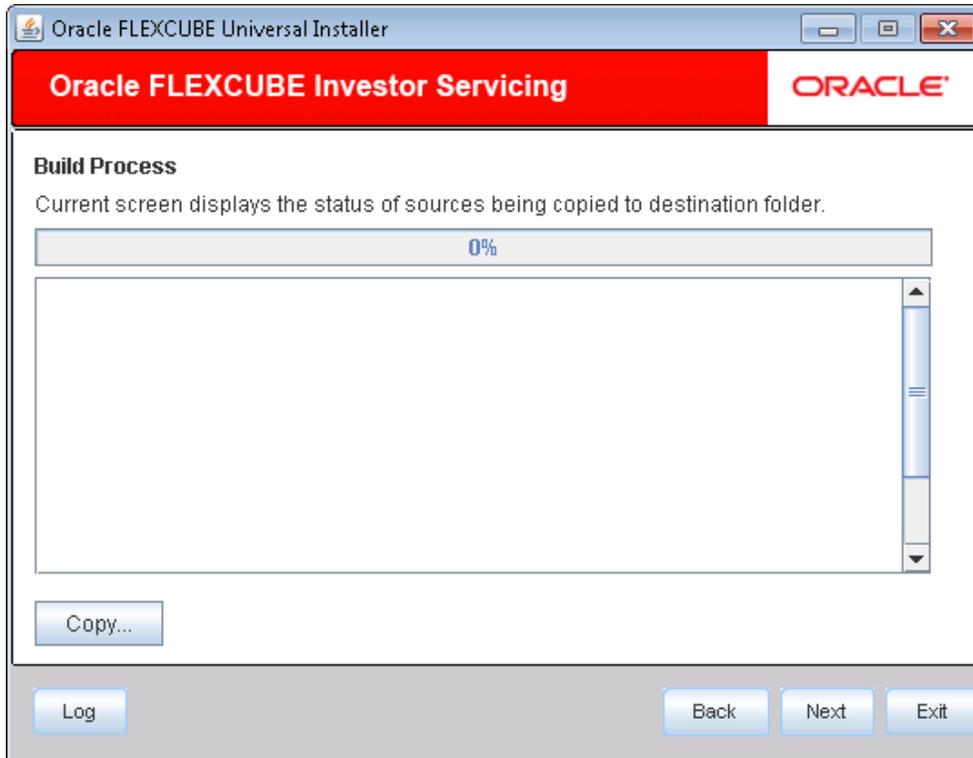
**Distributed Schema**

Select Distributed Schema as 'Yes'.

**Data Source**

Specify the data source of the schema.

10. Click 'Next'. The following screen is displayed.



11. Click 'Copy' button. The installer copies the files.

12. Click 'Next'. The following screen is displayed.



13. Click 'Build' button to start the build process. The installer builds the source files.

This completes the EAR file generation process. The EAR file will be saved to the destination directory.

## 3. Setting up Gateway HTTP Application

This section explains the methods of setting up Gateway HTTP Application. This is not applicable in EXEC mode of installation.

### 3.1.1 Prerequisites

You need to create the following gateway HTTP property files before building the application:

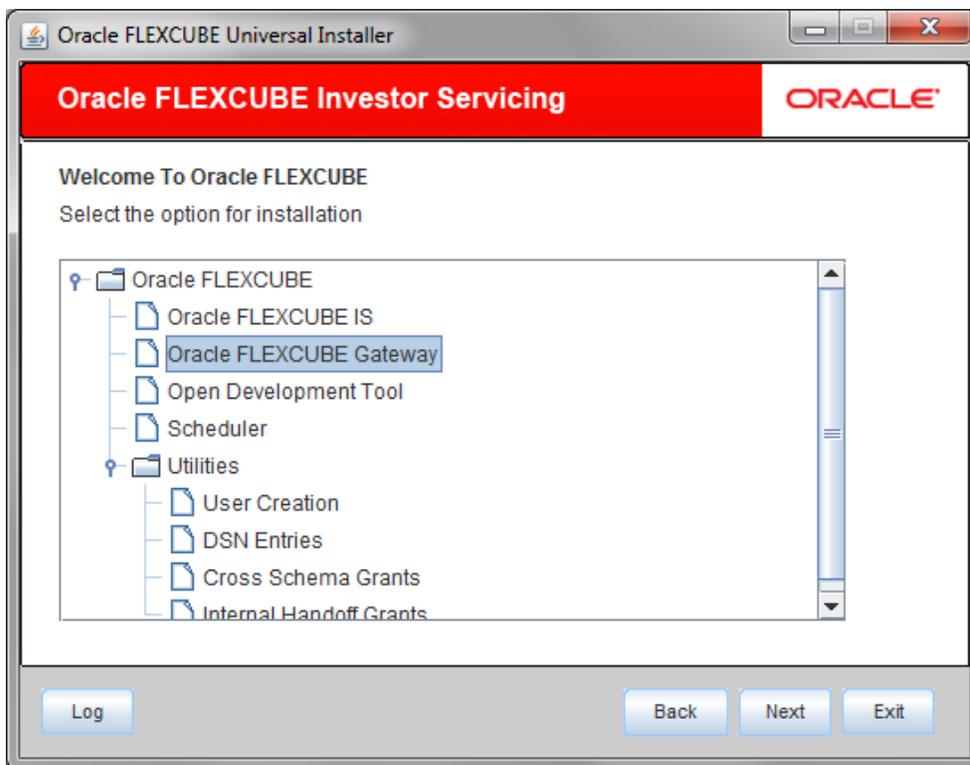
- *gw\_http\_logger.properties*
- *GW\_HTTP\_Prop.properties*

*For details, refer to the section 'Gateway HTTP Application' in chapter 'Setting up Property Files' (04-PropertyFile\_Setup).*

### 3.1.2 Building EAR file

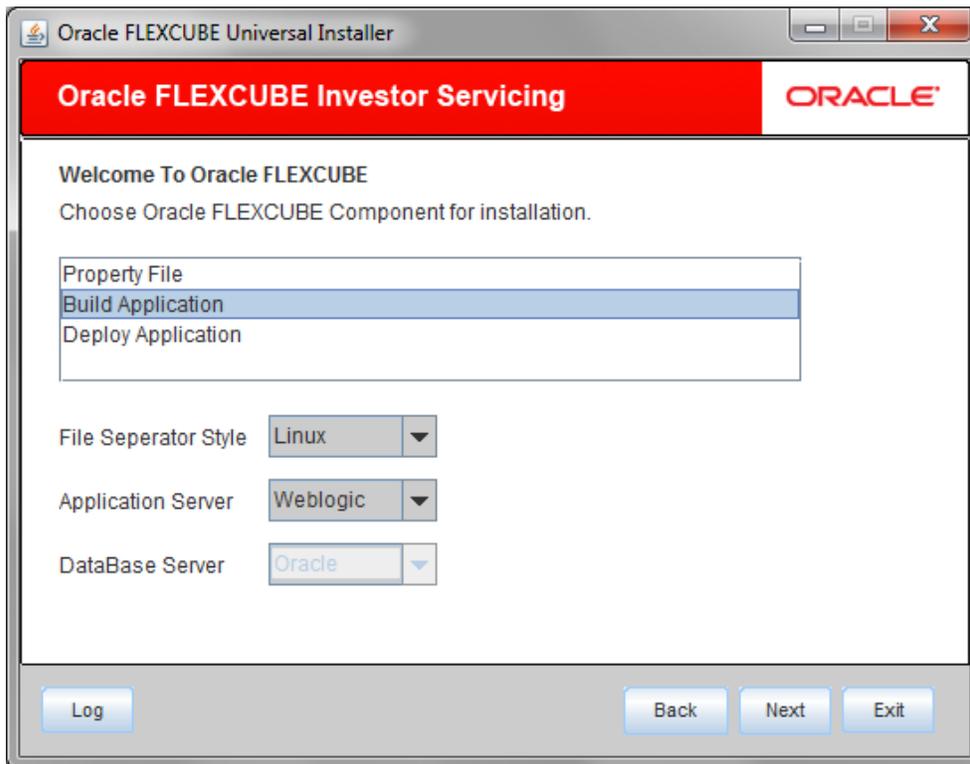
In order to build EAR file for Gateway HTTP Application, you need to follow the steps given below:

1. Launch Oracle FLEXCUBE Universal Installer. The welcome screen is displayed.



2. Choose the Application 'Oracle FLEXCUBE Gateway'. Click 'Next'.

The following screen is displayed:



3. Specify the following details:

#### **File Separator Style**

Specify the operating system in which you are creating the property file. Choose the appropriate one from the drop-down list.

#### **Application Server**

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

Choose 'Build Application'. Click 'Next'. The following screen is displayed:

Oracle FLEXCUBE Universal Installer

**Oracle FLEXCUBE Investor Servicing** ORACLE

Installation Type

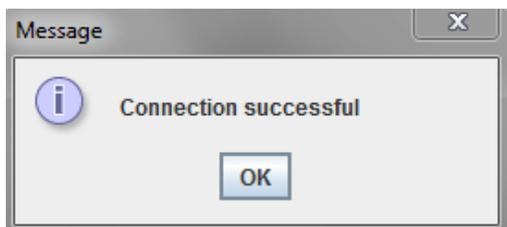
FC Home

EAR Build  EAR Build Rolled-up

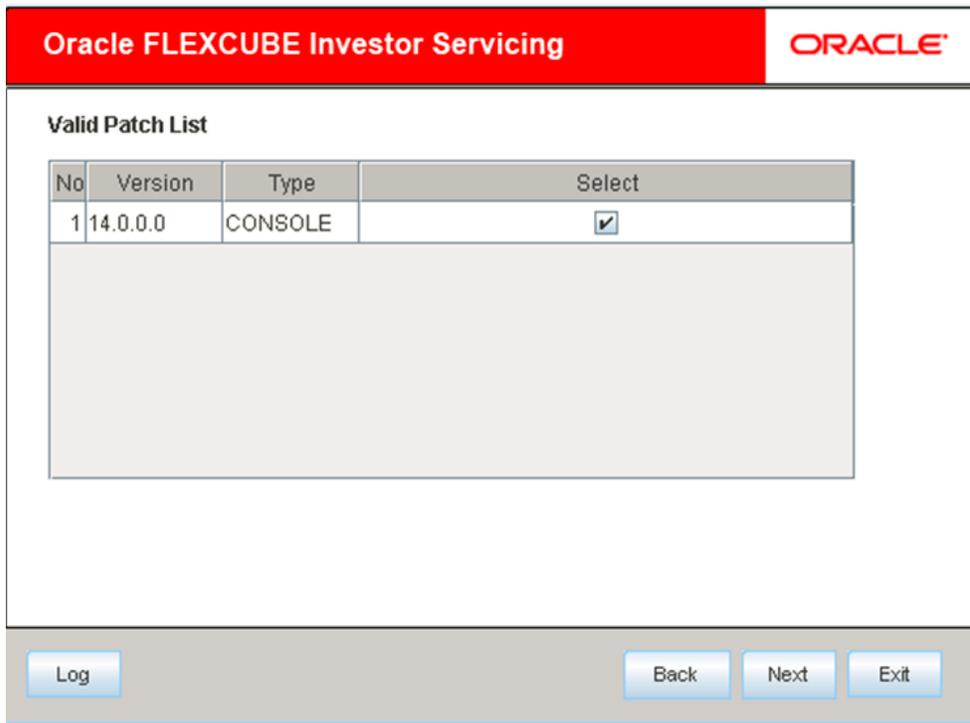
Provide SMS schema details for patch install...

Name	Value
Username	test
Password	••••
Service Name	test
IP Address	10.10.10.10
Port	1234
TNS Connect Descriptor	test

Choose FC home and specify the SMS schema details. Click 'Test Connection'. On Successful connection the below message will be displayed.



Click OK. Click 'Next' to navigate to next page

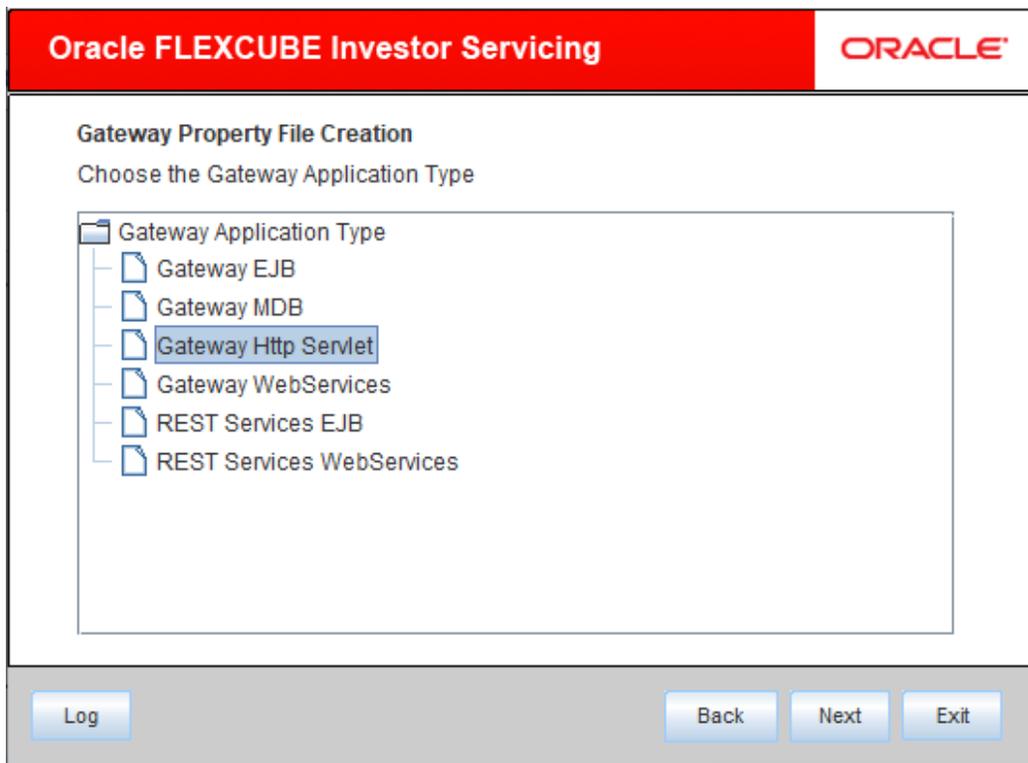


The screenshot shows the Oracle FLEXCUBE Investor Servicing interface. At the top, there is a red header with the text "Oracle FLEXCUBE Investor Servicing" and the Oracle logo. Below the header, the main content area is titled "Valid Patch List". It contains a table with the following data:

No	Version	Type	Select
1	14.0.0.0	CONSOLE	<input checked="" type="checkbox"/>

Below the table, there is a large empty rectangular area. At the bottom of the screen, there is a navigation bar with four buttons: "Log", "Back", "Next", and "Exit".

4. Choose Patches. Click 'Next'. The following screen is displayed:



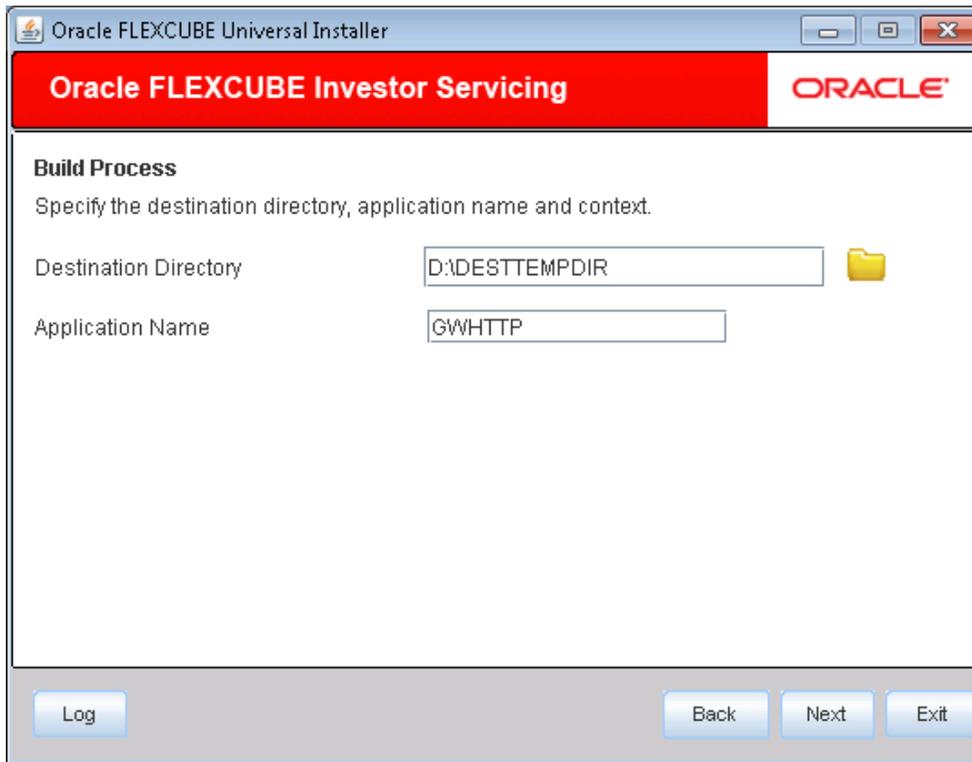
The screenshot shows the Oracle FLEXCUBE Investor Servicing interface. At the top, there is a red header with the text "Oracle FLEXCUBE Investor Servicing" and the Oracle logo. Below the header, the main content area is titled "Gateway Property File Creation". Underneath this title, it says "Choose the Gateway Application Type".

There is a tree view showing the following options:

- Gateway Application Type
  - Gateway EJB
  - Gateway MDB
  - Gateway Http Servlet
  - Gateway WebServices
  - REST Services EJB
  - REST Services WebServices

The "Gateway Http Servlet" option is currently selected. At the bottom of the screen, there is a navigation bar with four buttons: "Log", "Back", "Next", and "Exit".

5. Choose 'Gateway Http Servlet'. Click 'Next'.



6. Specify the following details:

#### **Destination Directory**

Specify the location of the destination directory. The source files from the software will be copied to this location.

Eg: D:\Testing\source\dest

#### **Application Name**

Specify the EAR name of the application.

The application name should not contain special characters and space. However, you may use '\_' (underscore).

Eg: GWHTTP

#### **Application Context**

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

Once you have specified the details, click 'Next' to continue.

7. The following screen is displayed.

The screenshot shows a software window titled "Oracle FLEXCUBE Investor Servicing" with the Oracle logo in the top right corner. The main area is titled "Build Process" and contains the following elements:

- A label "Specify the Property File path." followed by a text input field containing the path: `_LER\SOURCE\propfile\GW_HTTP_Prop.properties`. To the right of the text field is a yellow folder icon.
- A label "Load Property File" positioned to the left of the text field.
- A label "Symmetric key" followed by a text input field containing the value: `oraclefinancials`.
- A large, empty text area with a light gray background and a vertical scrollbar on the right side. Above the text area is the instruction: *Provide the property file path to be included.*

At the bottom of the window, there is a gray bar containing four buttons: "Log", "Back", "Next", and "Exit".

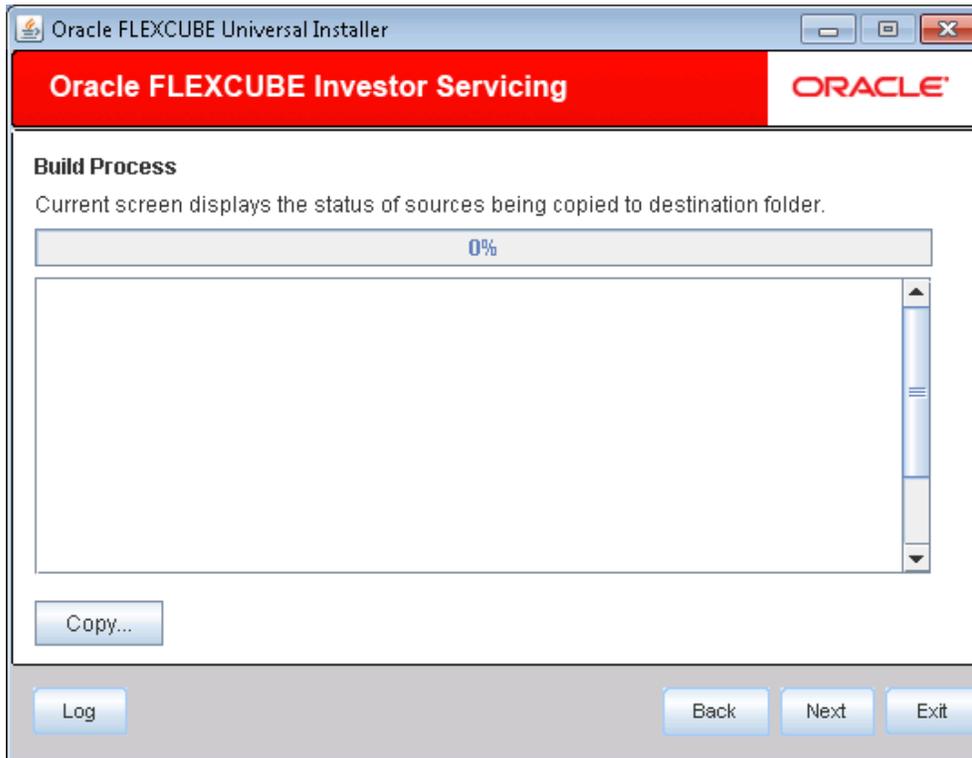
8. Specify the following details:

### Centralized Property File

To modify an existing property file, you need to select the exact property file by clicking on the folder icon.

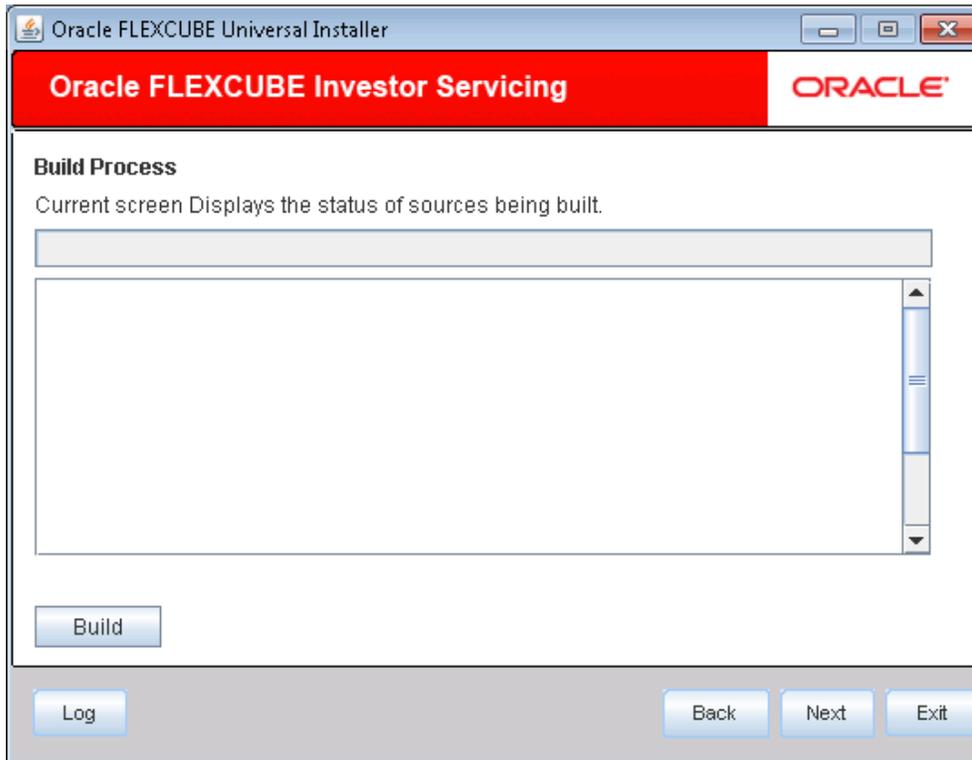
**Note:** Do not load the `Logger.properties` file. The installer will load that file automatically based on the property file.

9. Click 'Next'. The following screen is displayed.



10. Click 'Copy' button. The installer copies the files.

11. Click 'Next'. The following screen is displayed.



12. Click 'Build' button to start the build process. The installer builds the source files.

This completes the EAR file generation process. The EAR file will be saved to the destination directory.

## 4. Setting up Gateway Web Service Application

This section explains the methods of setting up Gateway Web Service Application.

### 4.1.1 Prerequisites

You need to create the following gateway Web Service property files before building the application:

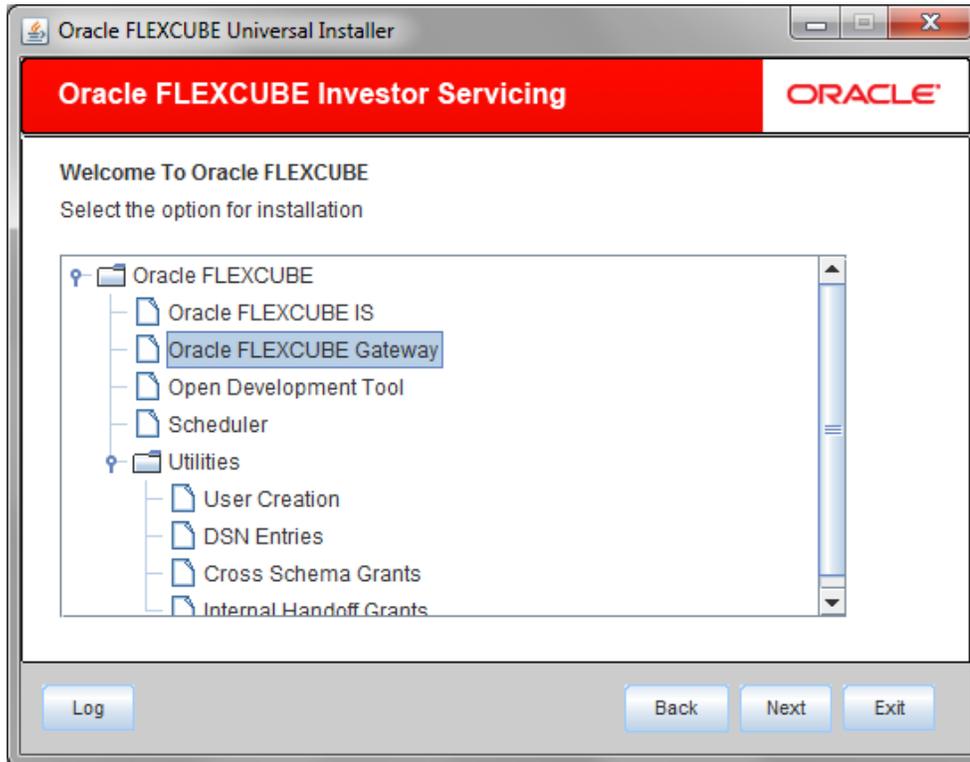
- *gw\_ws\_logger.properties*
- *GW\_WS\_Prop.properties*

*For details, refer to the section 'Gateway Web Service Application' in chapter 'Setting up Property Files' (04-PropertyFile\_Setup).*

### 4.1.2 Building EAR File

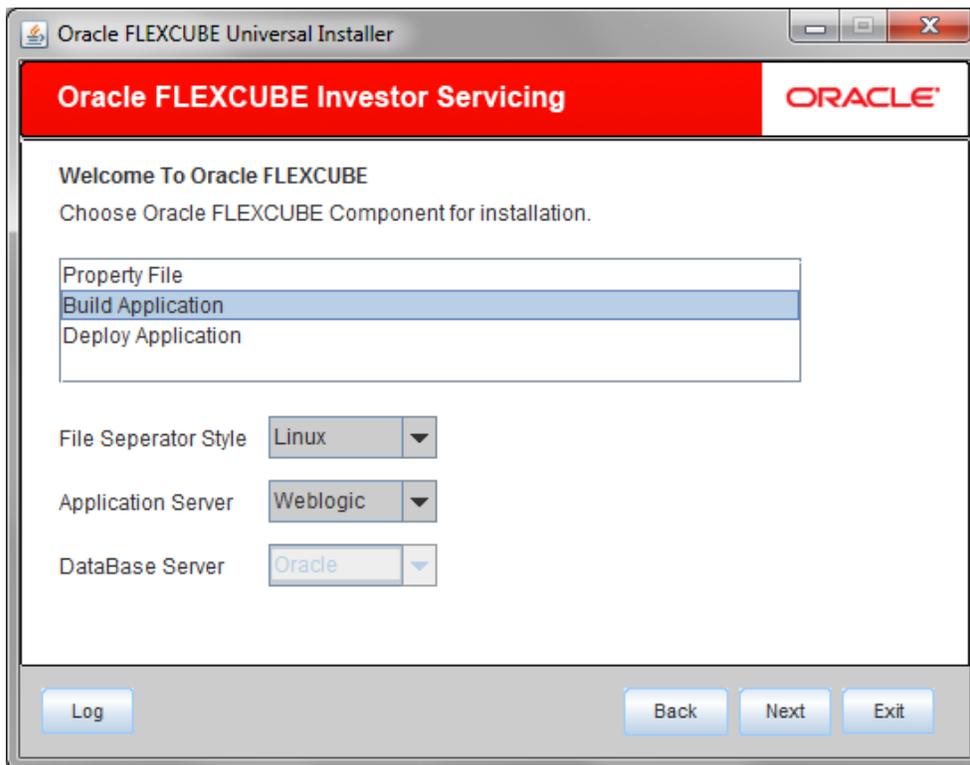
In order to build EAR file for Gateway Web Service Application, you need to follow the steps given below:

1. Launch Oracle FLEXCUBE Universal Installer. The welcome screen is displayed.



2. Choose the Application 'Oracle FLEXCUBE Gateway'. Click 'Next'.

The following screen is displayed:



Specify the following details:

### **Operating System**

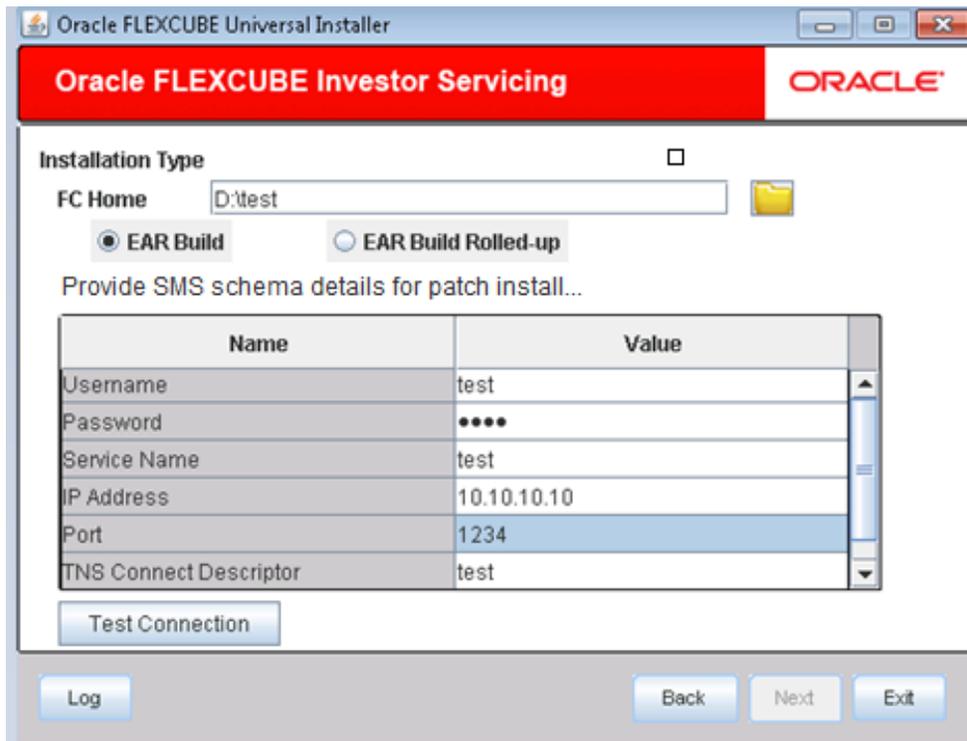
Specify the operating system in which you are creating the property file. Choose the appropriate one from the drop-down list. You

### **Application Server**

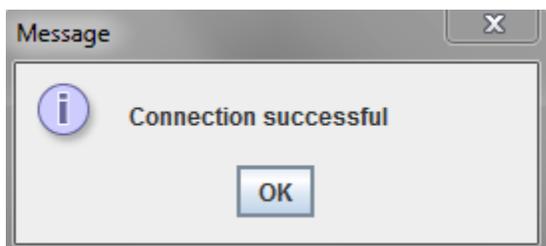
Specify the application server in which you are creating the property file. Choose the appropriate one from the drop-down list.

3. Choose 'Build Application'. Click 'Next'.

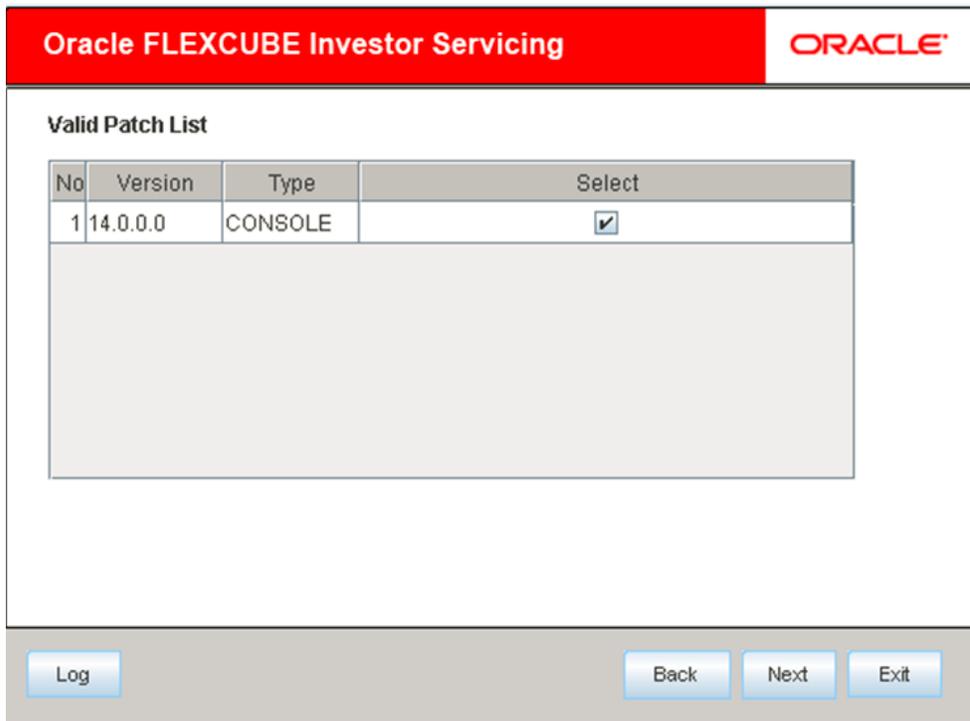
The following screens are displayed. This is the FC HOME folder that needs to be set. Also, it should point to SMS schema. Those versions less than or equal to the current environment are allowed.



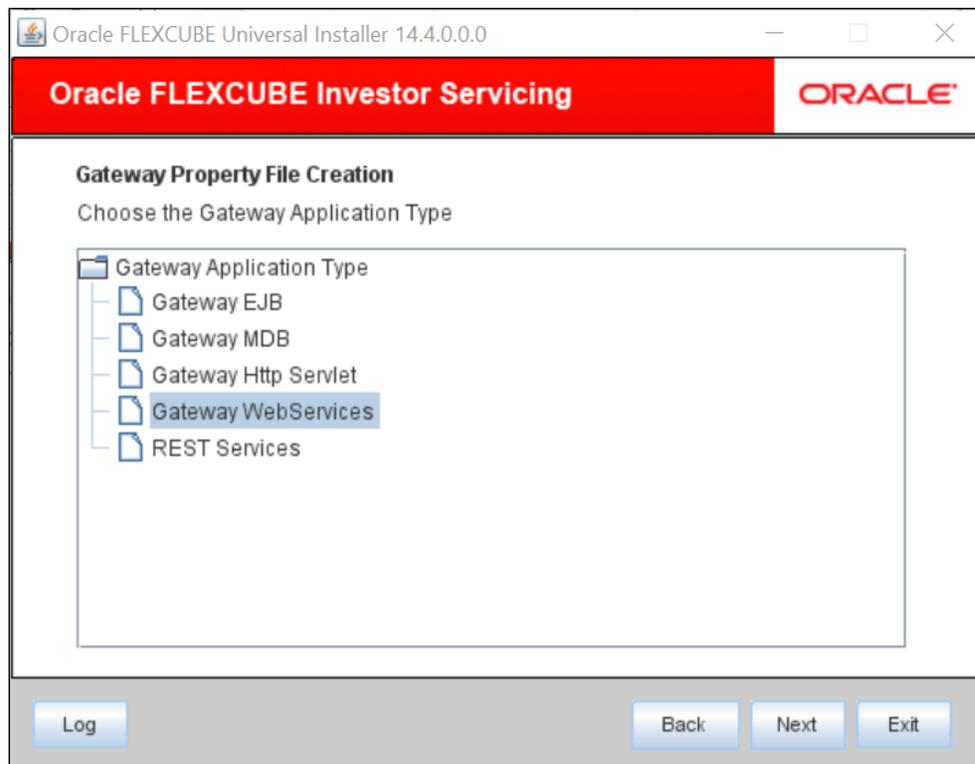
Click 'Test Connection'. On Successful connection the below message will be displayed.



Click OK. Click 'Next' to navigate to next page

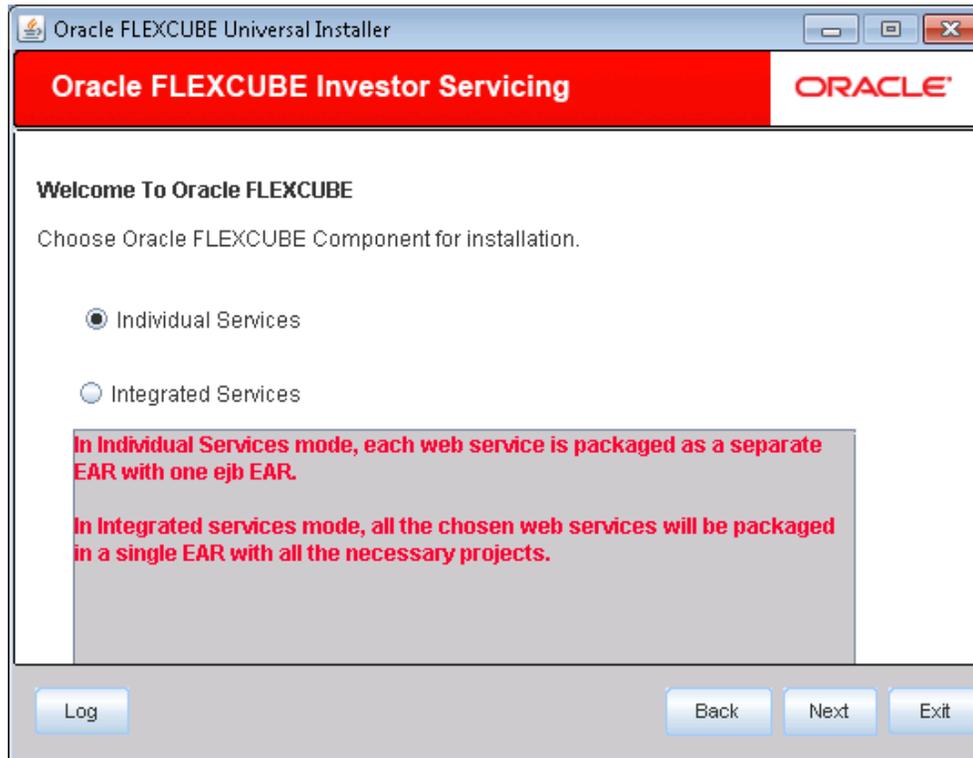


4. Click 'Next'. The following screen is displayed:

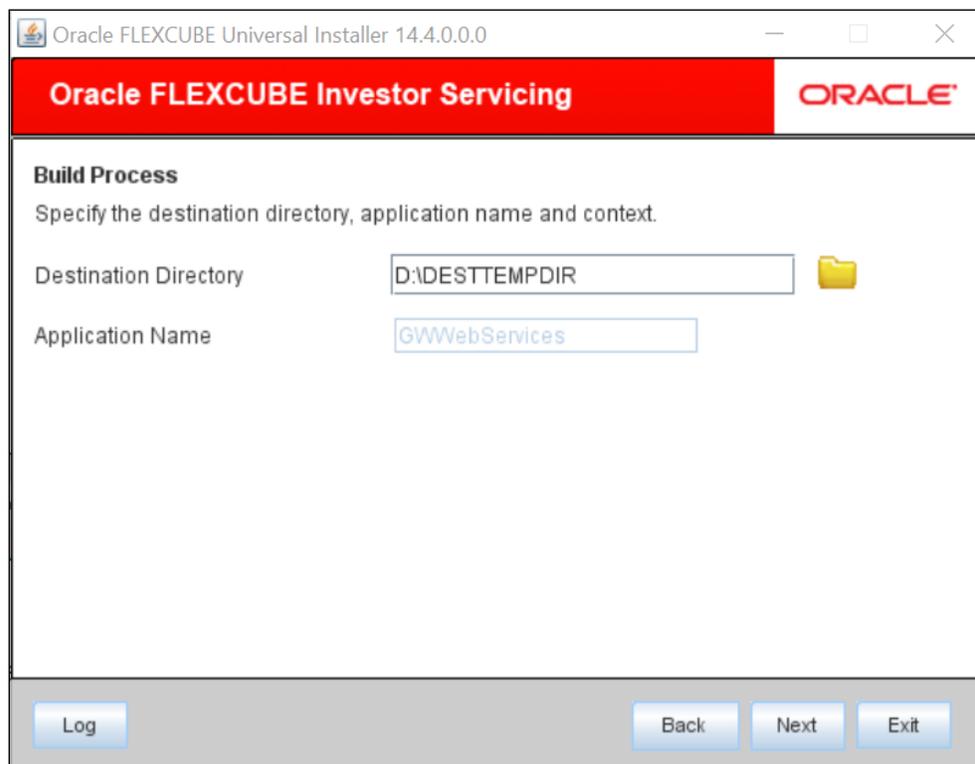


5. Choose 'Gateway WebServices'. Click 'Next'.

6. The following screen is displayed: Click 'Next' the following screen will be displayed.



7. Click on next, the following screen appears



## Destination Directory

Provide Destination Directory

## Application Name

If chosen Individual mode of web services in previous screen then this field is disabled and the name of the web service generated would be the name of the service

Else if selected Integrated, then this field is enabled where user can input required name

## Recompilation Required

Check this box if WSDL, XSD files have been modified

**Note:** In case of XSD or WSDL web services should be recompiled,

Copy the modified service sources into the service source path (<services\_source\_path>). Remove the unmodified services and proceed.

In case of FCIS the services sourcepath is 'Source\_Dir\GatewayServices\Services-Operations\XSD\<Module>\Gateway\Services'.

8. Once you have specified the details, click 'Next' to continue.

9. The following screen is displayed.

The screenshot shows a software dialog box titled "Oracle FLEXCUBE Investor Servicing" with the Oracle logo in the top right corner. The main area is titled "Build Process" and contains the instruction "Specify the Property File path." Below this, there are three input fields: "Load Property File" with the text "D:\ALLER\SOURCE\propfile\GW\_WS\_Prop.properties" and a folder icon; "Symmetric key" with the text "oraclefinancials"; and a large text area with the placeholder text "Provide the property file path to be included." At the bottom of the dialog, there are four buttons: "Log", "Back", "Next", and "Exit".

10. Specify the following details:

## Centralized Property File

To modify an existing property file, you need to select the exact property file by clicking on the folder icon.

**Note:** Do not load the Logger.properties file. The installer will load that file automatically based on the property file.

11. Click 'Next'. The following screen is displayed.

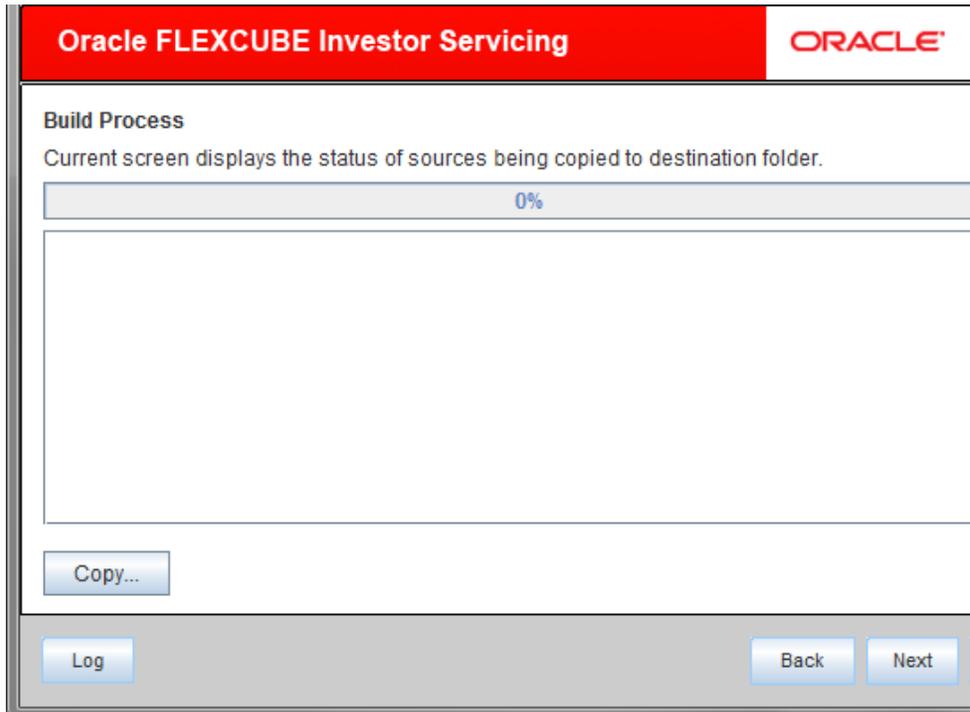
SNo	Module Name	Service Name	Include	Recompile
1	CORE	FCISCustomerService	<input type="checkbox"/>	<input type="checkbox"/>
2	LE	FCISPolicy	<input type="checkbox"/>	<input type="checkbox"/>
3	LE	FCISPolicyCession	<input type="checkbox"/>	<input type="checkbox"/>
4	LE	FCISPolicyJournal	<input type="checkbox"/>	<input type="checkbox"/>
5	LE	FCISPolicyStatusChange	<input type="checkbox"/>	<input type="checkbox"/>
6	LE	FCISPolicySwitch	<input type="checkbox"/>	<input type="checkbox"/>
7	LE	FCISPolicyTxn	<input type="checkbox"/>	<input type="checkbox"/>
8	LE	FCISSurrender	<input type="checkbox"/>	<input type="checkbox"/>

Select All

Log Back Next Exit

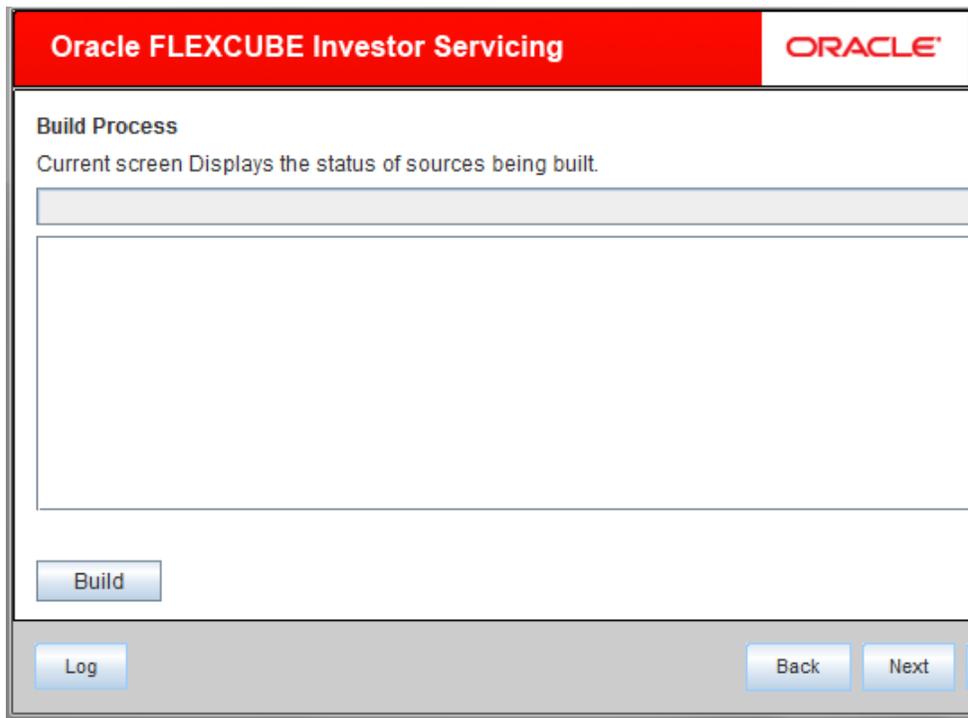
12. Select the services to be included for Web Services.

13. Click 'Next'. The following screen is displayed.



14. Click 'Copy' button. The installer copies the files.

15. Click 'Next'. The following screen is displayed.



16. Click 'Build' button to start the build process. The installer builds the source files.

This completes the EAR file generation process. The EAR file will be saved to the destination directory.

---

## 5. Post Building Activity

### 5.1 Introduction

This section introduces you to the activities to be carried out after setting up the gateway applications.

#### 5.1.1 Gateway Configuration

Gateway application looks for the required files inside the 'XSD Path' and 'Logger File' provided at the time of Gateway Property creation.

Refer [Gateway Property File Creation](#) document for details.

You need to maintain the following files in XSD Path and Logger Path:

Path	Files
Logger Path	Logger path should contain the gateway property files generated by the Installer. For example, for Gateway EJB application, the installer generates the files 'gw_ejb_logger.properties' and 'GW_EJB_Prop.properties'. While creating the property file if you specify the 'Logger Path' as 'D:/GW_EJB/config/ gw_ejb_logger.properties', then you need to place both the files 'gw_ejb_logger.properties' and 'GW_EJB_Prop.properties' inside the folder 'D:/GW_EJB/config/'. 
XSD Path	XSD Path should contain the common XSD files as well as the gateway module specific XSD files which are related to gateway operation. Copy the common XSD files from 'MAIN\Core\Gateway\COMMON' to the XSD Path. Copy the module specific XSD files from 'MAIN/<module>/ Gateway/XSD' to the XSD Path.

ServerState.xml should be copied in the XSD Directory from  
Gateway\Utilities\POSS\ServerState.xml

#### 5.1.2 Deployment Using Oracle WebLogic Application Server

For details on the manual deployment using Oracle WebLogic Application Server, refer to the chapter [Gateway Application Deployment Weblogic](#)



Gateway Application Setup  
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