

Gateway Application Setup  
Oracle FLEXCUBE Investor Servicing  
Release 14.0.0.3.7  
[May] [2019]



---

# Table of Contents

<b>1.</b>	<b>SETTING UP GATEWAY FOR ORACLE FLEXCUBE .....</b>	<b>1-1</b>
1.1	INTRODUCTION .....	1-1
1.2	SETTING UP GATEWAY EJB APPLICATION.....	1-1
1.2.1	<i>Prerequisites</i> .....	1-1
1.2.2	<i>Building EAR File</i> .....	1-1
<b>2.</b>	<b>SETTING UP GATEWAY MDB APPLICATION .....</b>	<b>2-1</b>
2.1.1	<i>Prerequisites</i> .....	2-1
2.1.2	<i>Building EAR File</i> .....	2-1
<b>3.</b>	<b>SETTING UP GATEWAY HTTP APPLICATION.....</b>	<b>3-1</b>
3.1.1	<i>Prerequisites</i> .....	3-1
3.1.2	<i>Building EAR file</i> .....	3-1
<b>4.</b>	<b>SETTING UP GATEWAY WEB SERVICE APPLICATION .....</b>	<b>4-1</b>
4.1.1	<i>Prerequisites</i> .....	4-1
4.1.2	<i>Building EAR File</i> .....	4-1
<b>5.</b>	<b>POST BUILDING ACTIVITY .....</b>	<b>5-1</b>
5.1	INTRODUCTION.....	5-1
5.1.1	<i>Gateway Configuration</i> .....	5-1
5.1.2	<i>Deployment Using Oracle WebLogic Application Server</i> .....	5-1
5.1.3	<i>Deployment Using IBM WebSphere Application Server</i> .....	5-1

---

# 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

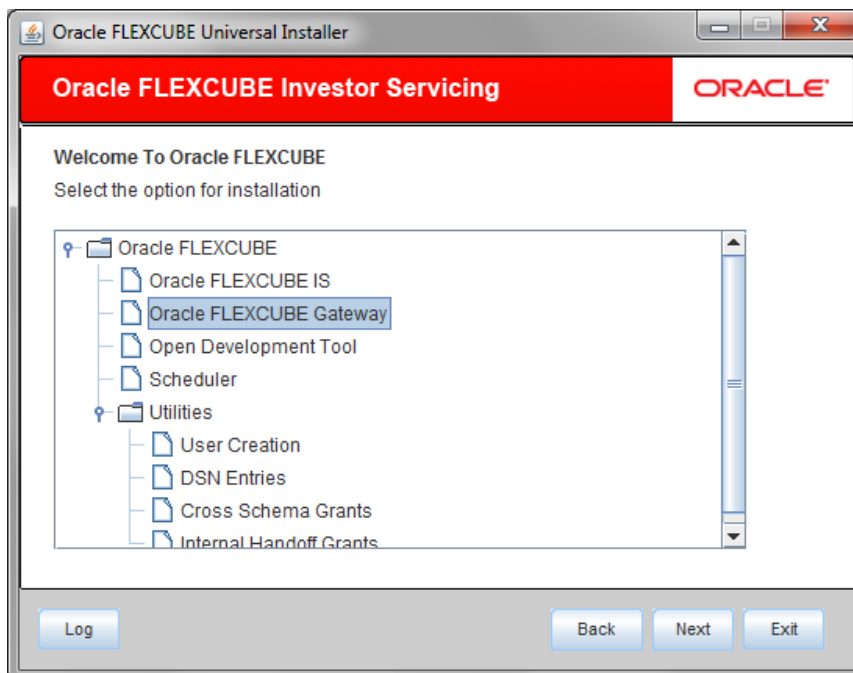
You need to create the following gateway EJB property files before building the application:

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

### 1.2.2 Building EAR File

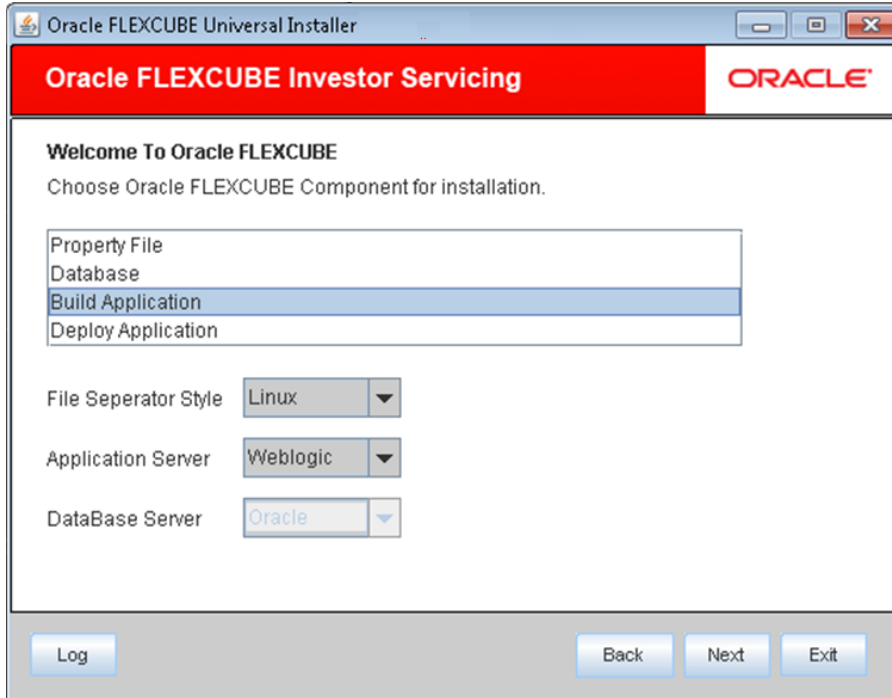
In order to build EAR file for Gateway EJB Application, you need to follow the steps given below:

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**

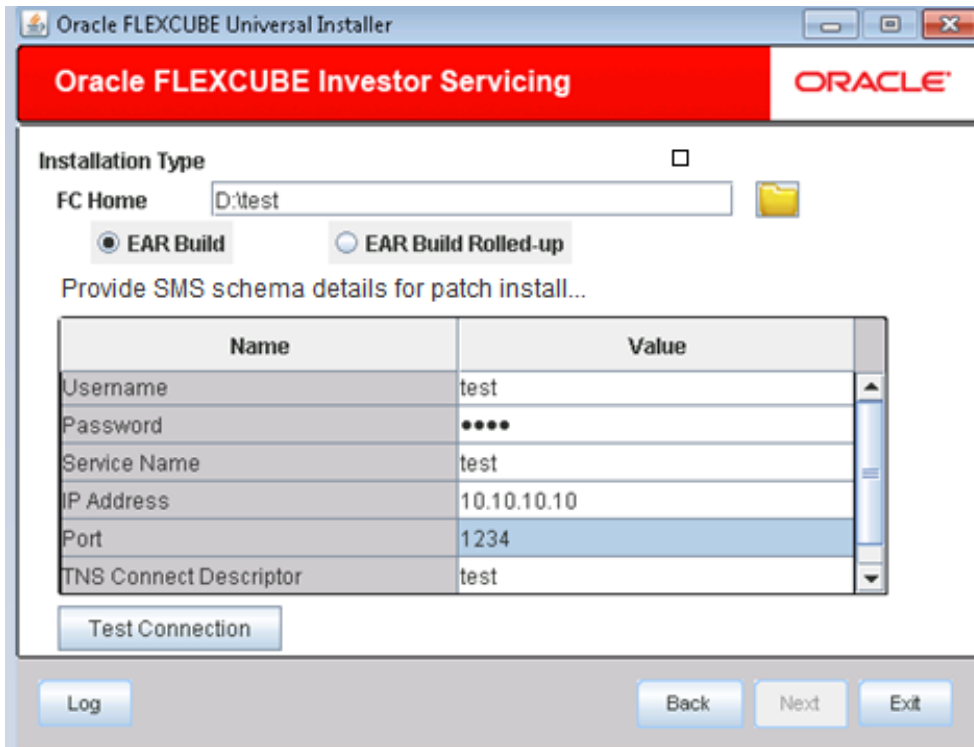
Specify the style of file separator (e.g Linux or Windows). Choose the appropriate one from the drop-down list.

#### **Application Server**

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

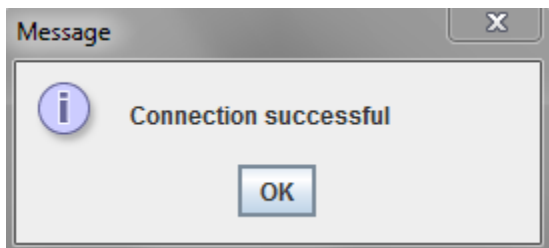
5. Choose 'Build Application'. Click 'Next'. The following screen is displayed:

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.

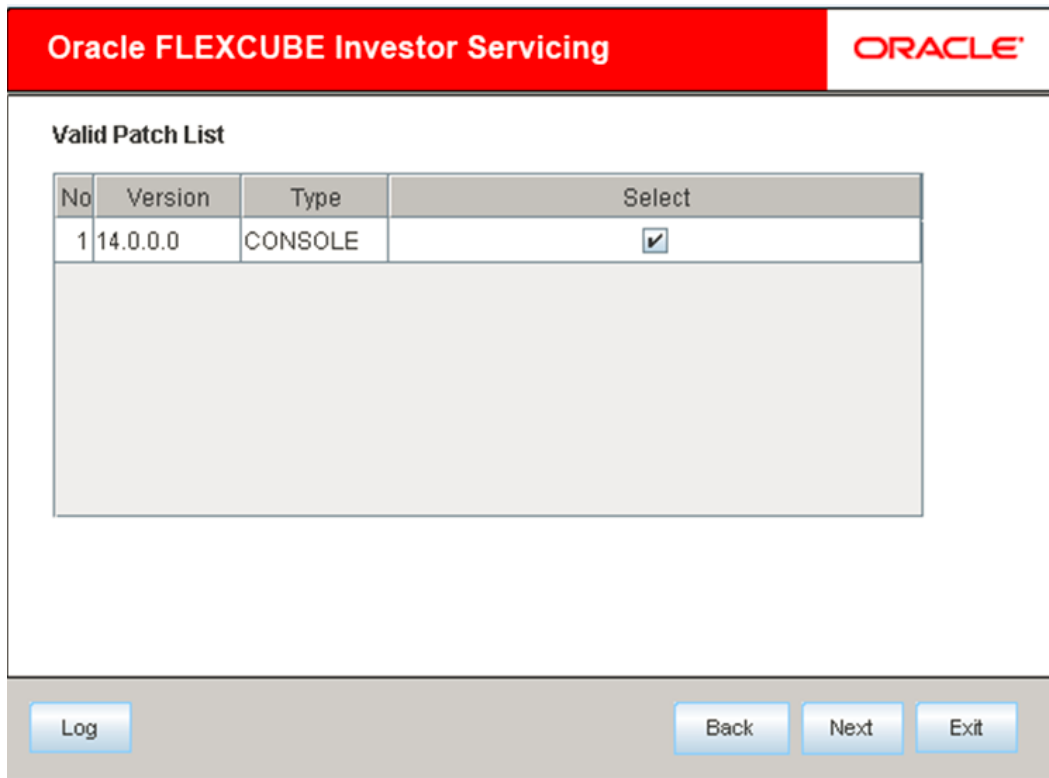


Click 'Test Connection'.

On Successful connection the below message will be displayed.



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



Oracle FLEXCUBE Investor Servicing

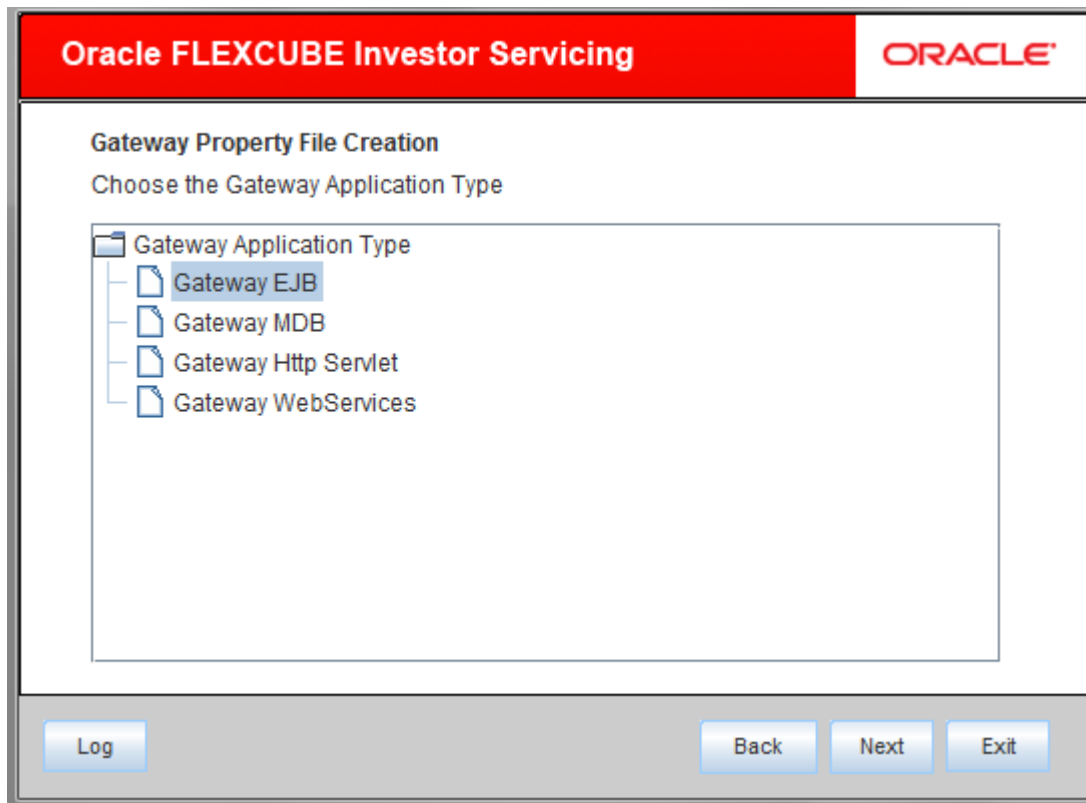
ORACLE

**Valid Patch List**

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

Log Back Next Exit

Click Next.



Oracle FLEXCUBE Investor Servicing

ORACLE

**Gateway Property File Creation**

Choose the Gateway Application Type

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

Log Back Next 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.

Oracle FLEXCUBE Universal Installer

**Oracle FLEXCUBE Investor Servicing** ORACLE

**Build Process**

Specify the destination directory, application name and context.

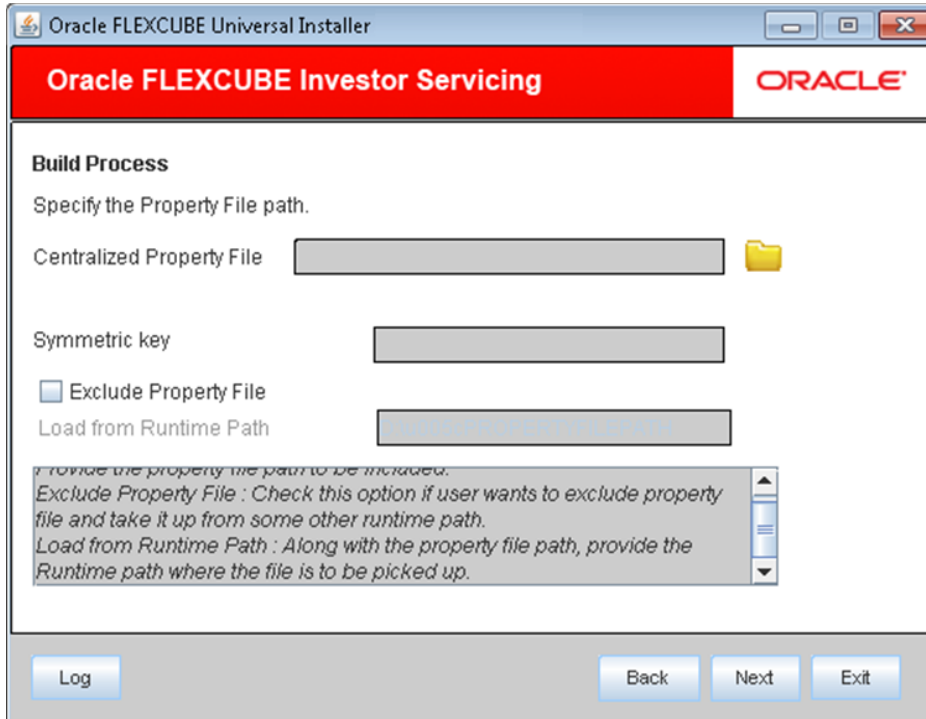
Destination Directory  

Application Name

Log Back Next Exit

Provide the destination directory path

Provide the required application name. Click Next.



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.

**Oracle FLEXCUBE Investor Servicing** ORACLE

**Build Process**  
Current screen provides an option for modifying the Schema details

Distributed Schema Yes ▾

DataSource

Log Back Next Exit

12. Specify the following details:

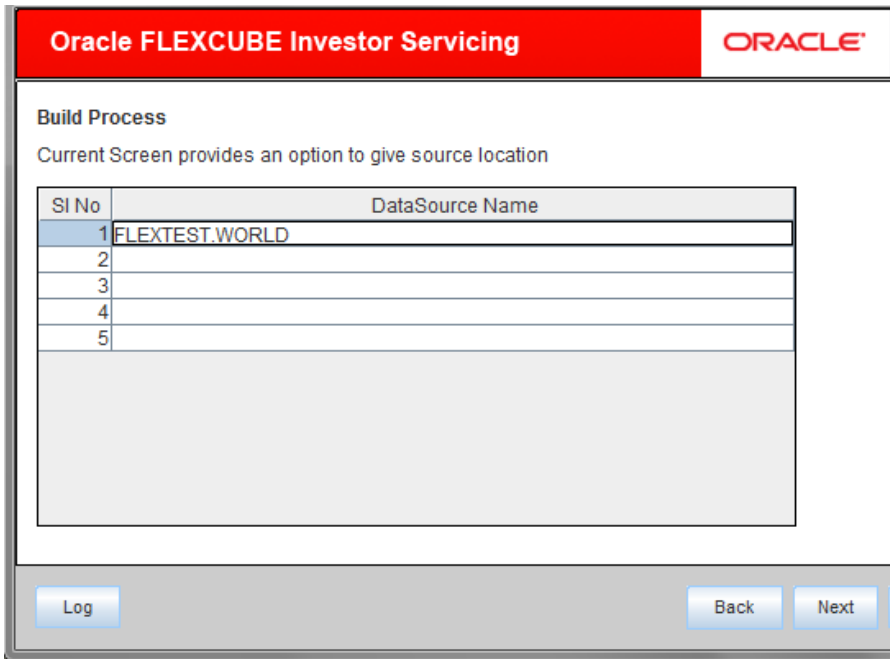
**Distributed Schema**

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.

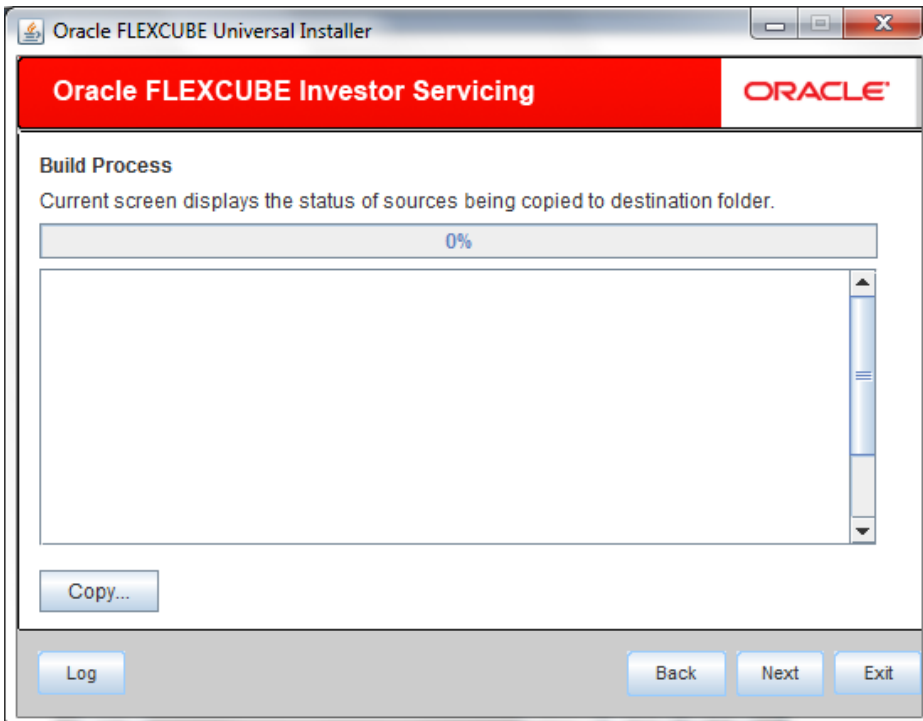
**Data Source**

Specify the data source of the schema.

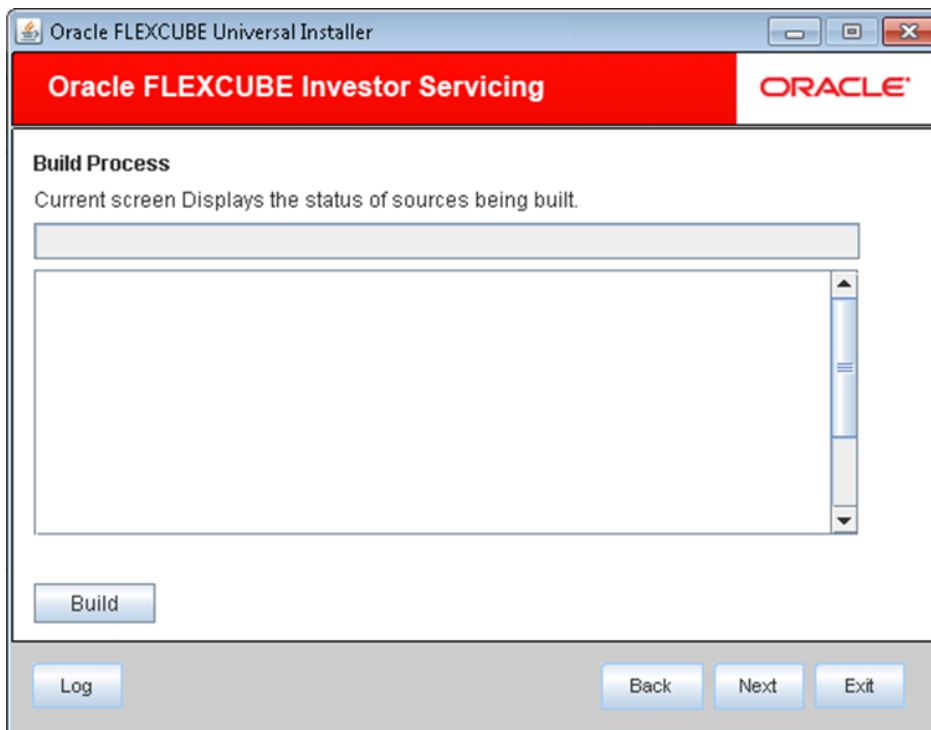
13. Click 'Next'. In case you have selected 'Yes' against Distributed Schema, the following screen is displayed.



14. Specify the Datasource JNDI Names.  
15. Click 'Next'. The following screen is displayed.



16. Click 'Copy' button. The installer copies the files.
17. Click 'Next'. The following screen is displayed.



18. 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:

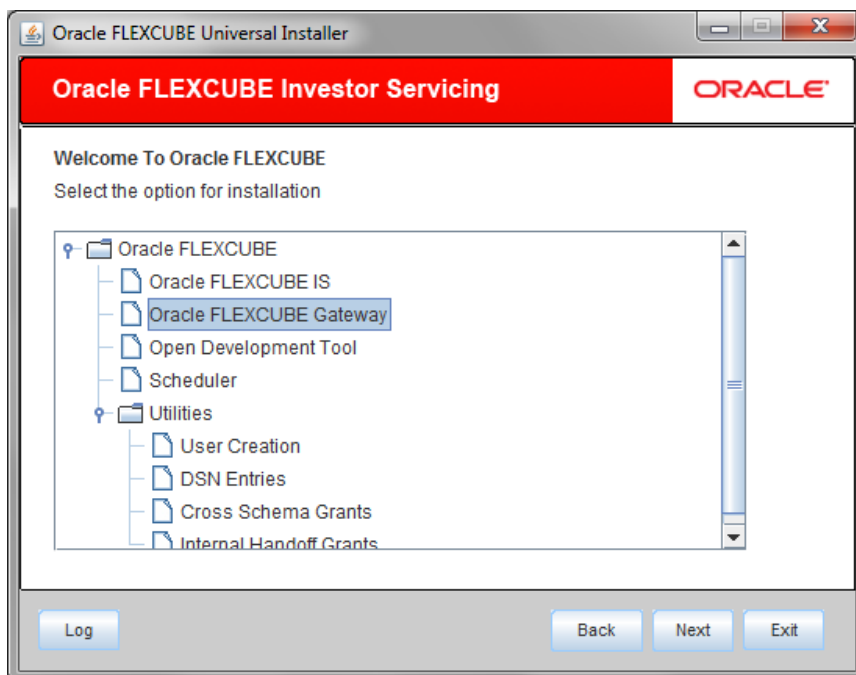
- gw\_mdb\_logger.properties
- GW\_MDB\_Prop.properties

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

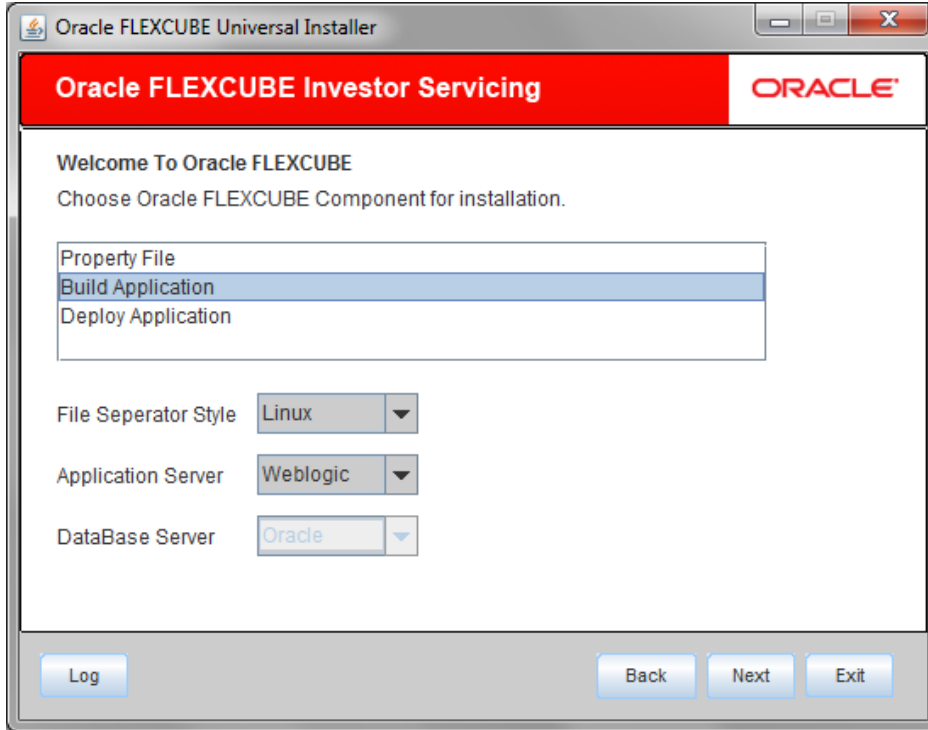
### 2.1.2 Building EAR File

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

Oracle FLEXCUBE Universal Installer

**Oracle FLEXCUBE Investor Servicing** ORACLE

Installation Type

FC Home

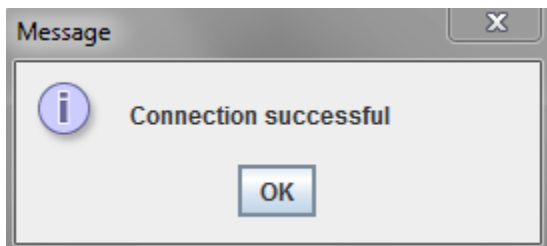
EAR Build  EAR Build Rolled-up

Provide SMS schema details for patch install...

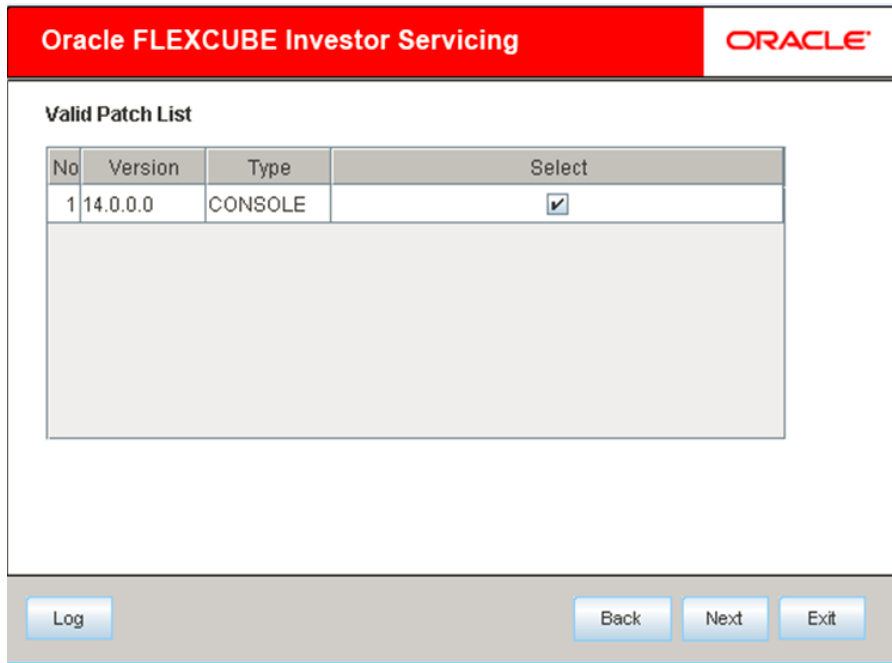
Name	Value
Username	test
Password	****
Service Name	test
IP Address	10.10.10.10
Port	1234
TNS Connect Descriptor	test

Choose FC home and specify the SMS schema details.

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

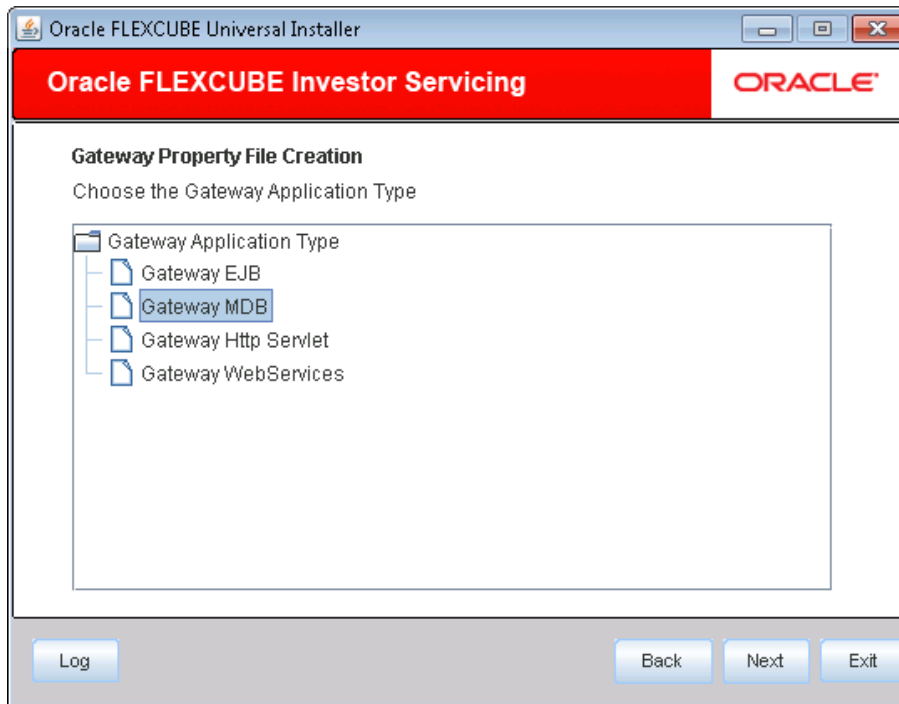


Click OK. Click 'Next' to navigate to next page



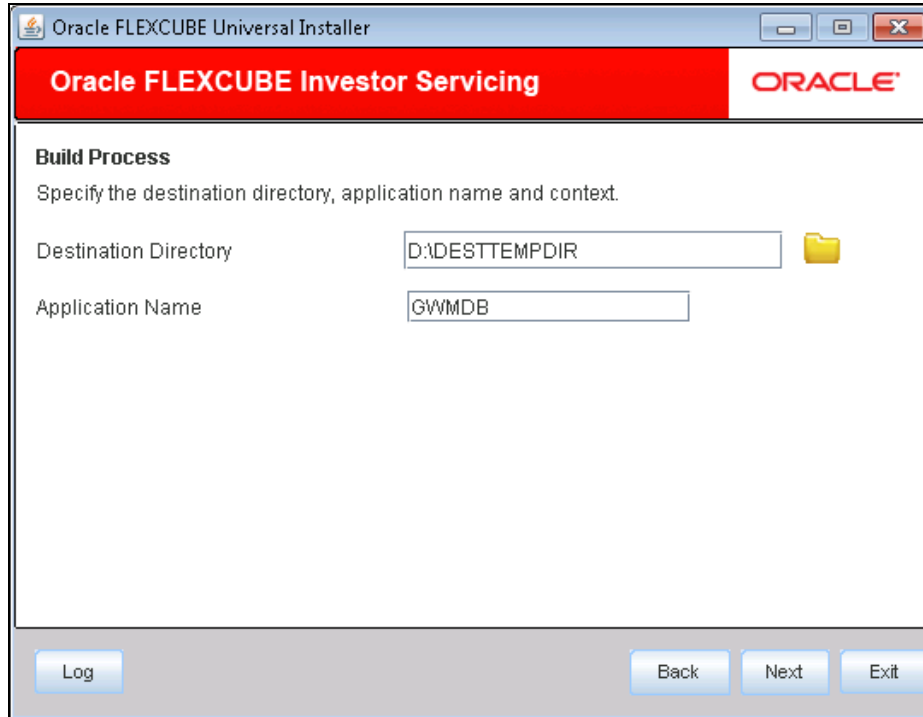
Choose patches from list and click 'Next'

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**

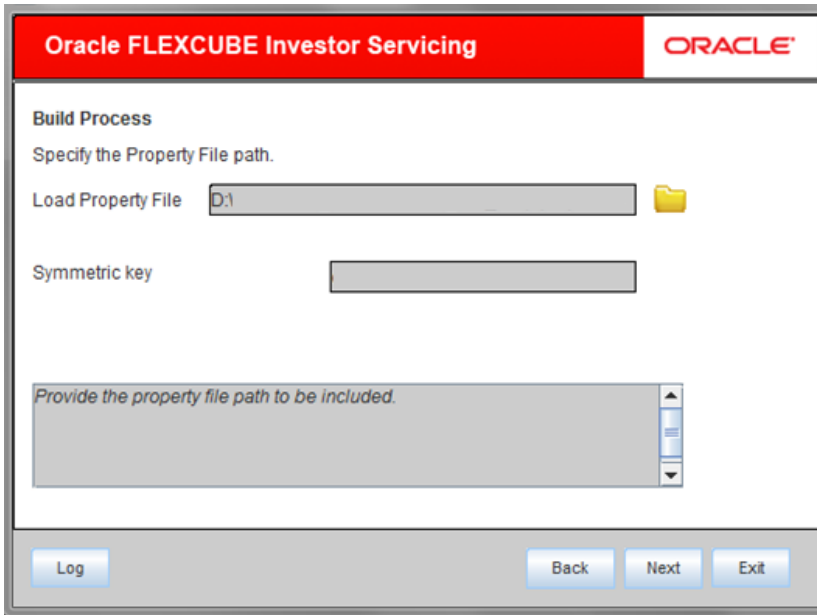
Specify the EAR name of the application.

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

Eg: GWMDB



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



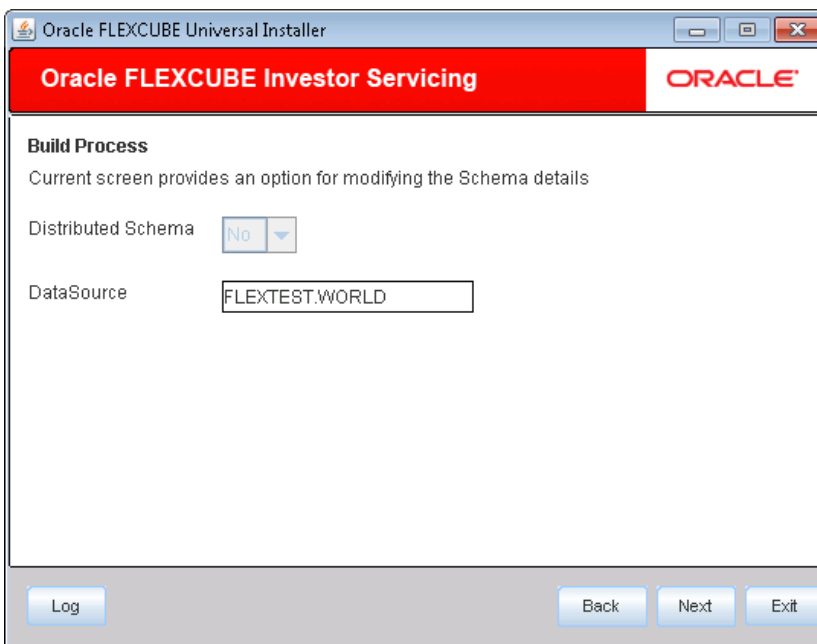
7. Specify the following details:

### 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'. In case you have selected 'Yes' against Distributed Schema, the following screen is displayed.

Oracle FLEXCUBE Investor Servicing ORACLE

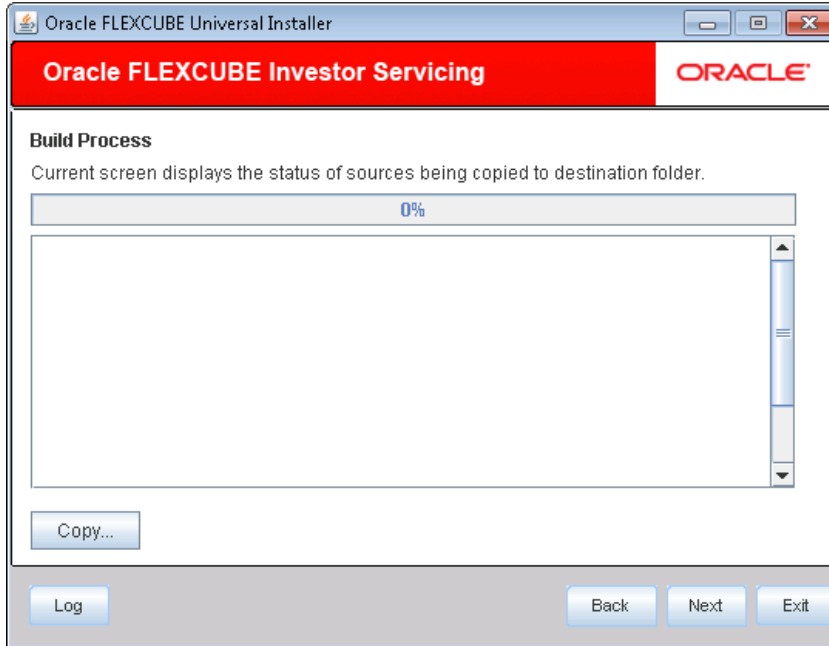
**Build Process**  
Current Screen provides an option to give source location

SI No	DataSource Name
1	FLEXTTEST.WORLD
2	
3	
4	
5	

Log Back Next

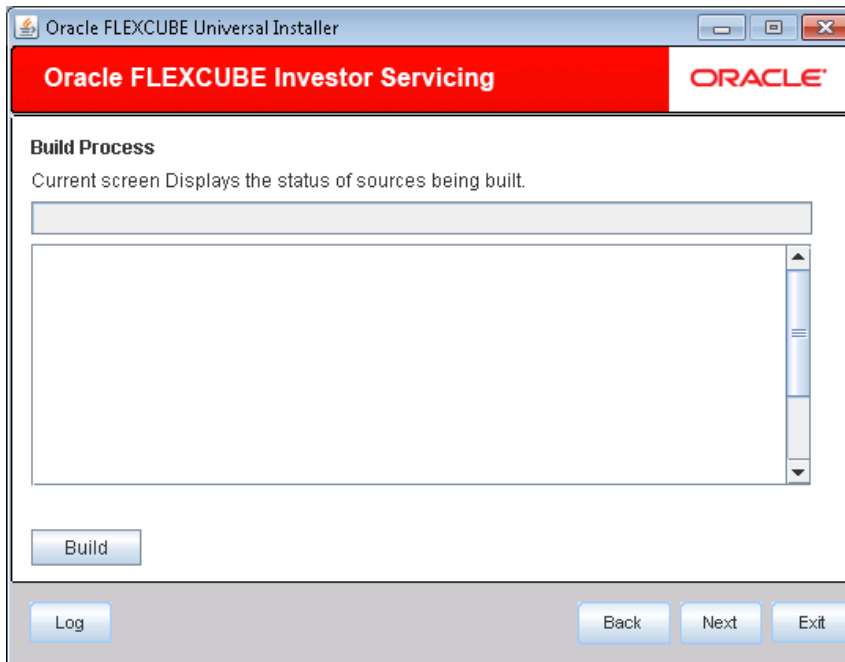
11. Specify the Datasource Names.

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



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

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



15. 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:

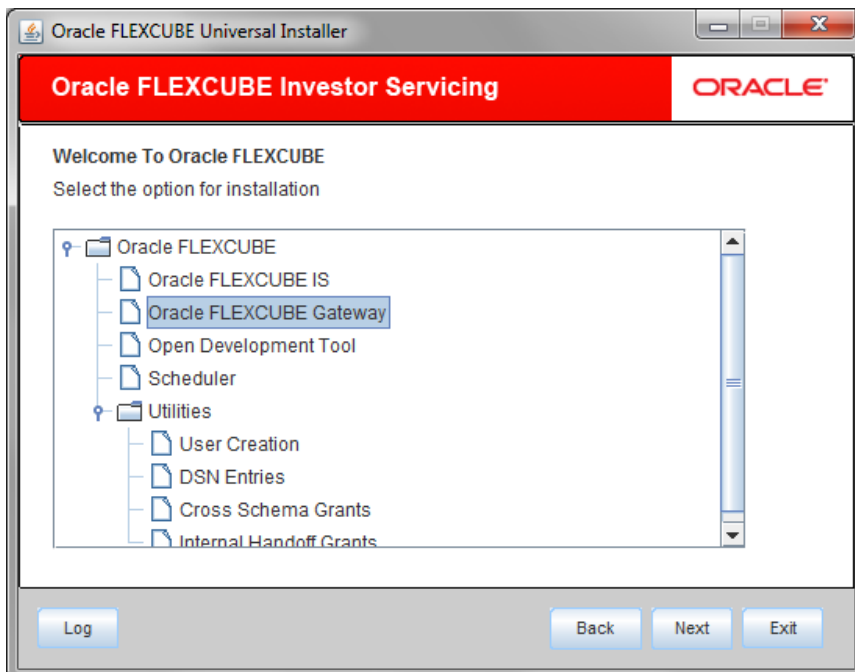
- gw\_http\_logger.properties
- GW\_HTTP\_Prop.properties

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

### 3.1.2 Building EAR file

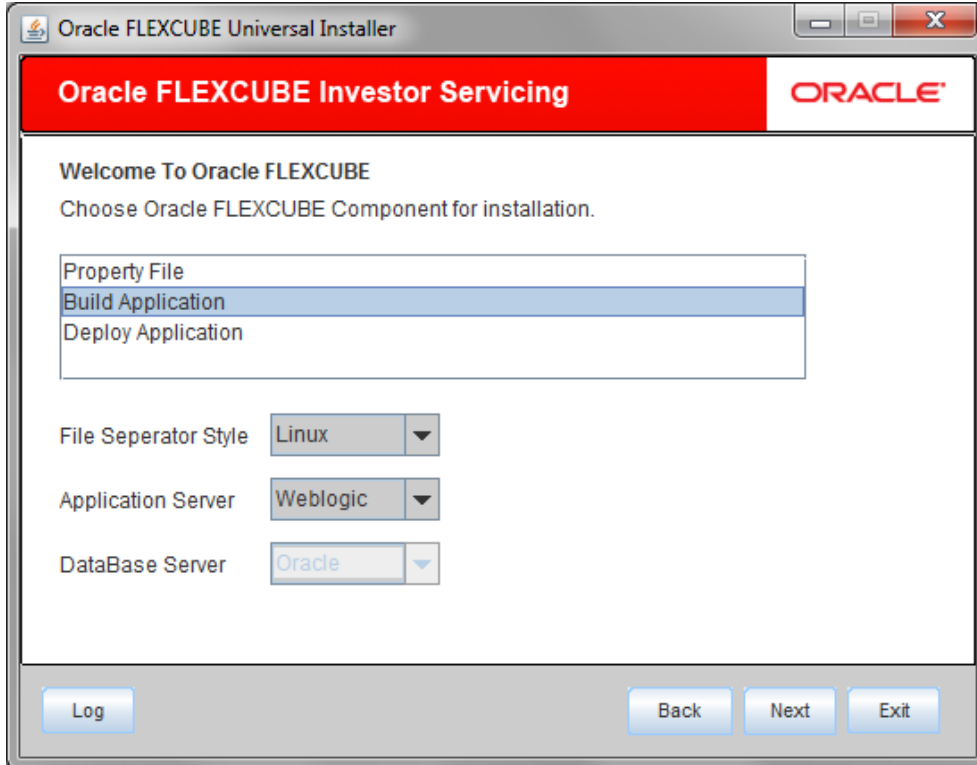
In order to build EAR file for Gateway HTTP Application, you need to follow the steps given below:

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.

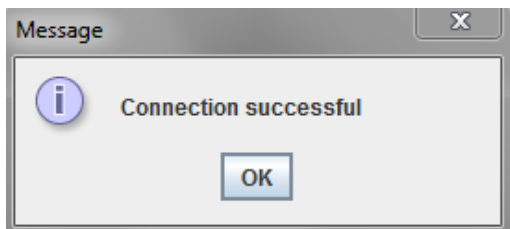
Choose 'Build Application'. Click 'Next'. The following screen is displayed:

The screenshot shows the Oracle FLEXCUBE Universal Installer window. The title bar reads "Oracle FLEXCUBE Universal Installer". The main header is "Oracle FLEXCUBE Investor Servicing" with the ORACLE logo. Below the header, there is an "Installation Type" section with a checkbox. The "FC Home" field contains "D:\test" with a folder icon to its right. Two radio buttons are present: "EAR Build" (selected) and "EAR Build Rolled-up". Below this, the text "Provide SMS schema details for patch install..." is followed by a table with two columns: "Name" and "Value".

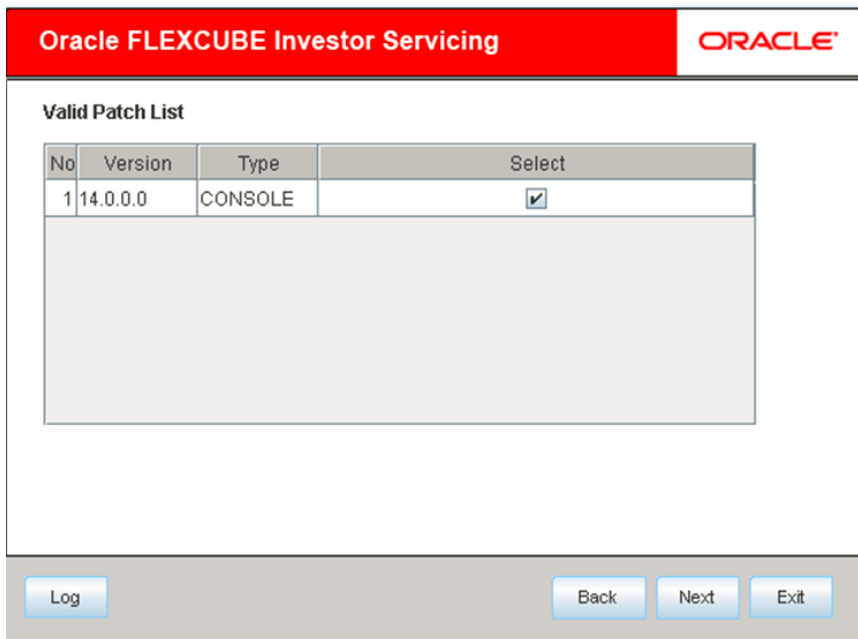
Name	Value
Username	test
Password	••••
Service Name	test
IP Address	10.10.10.10
Port	1234
TNS Connect Descriptor	test

Below the table is a "Test Connection" button. At the bottom of the window are "Log", "Back", "Next", and "Exit" buttons.

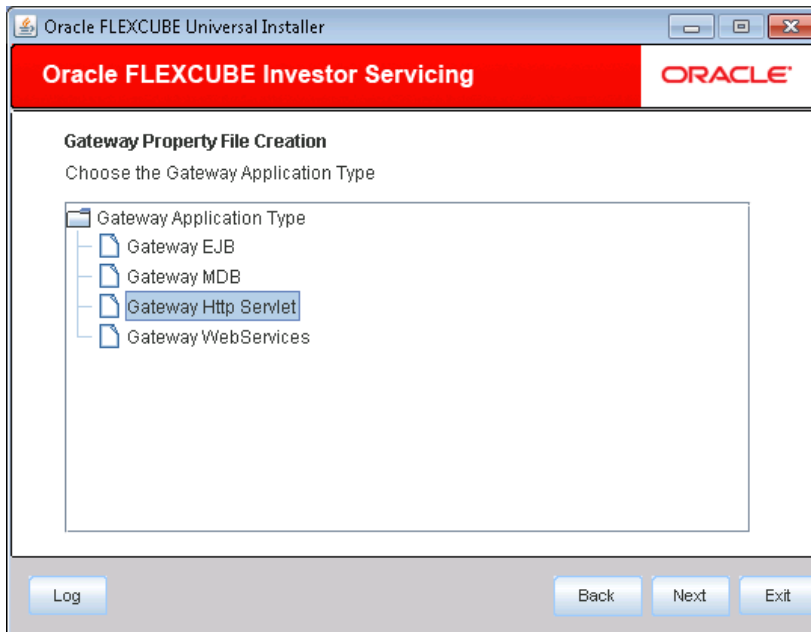
Choose FC home and specify the SMS schema details. Click 'Test Connection'. On Successful connection the below message will be displayed.



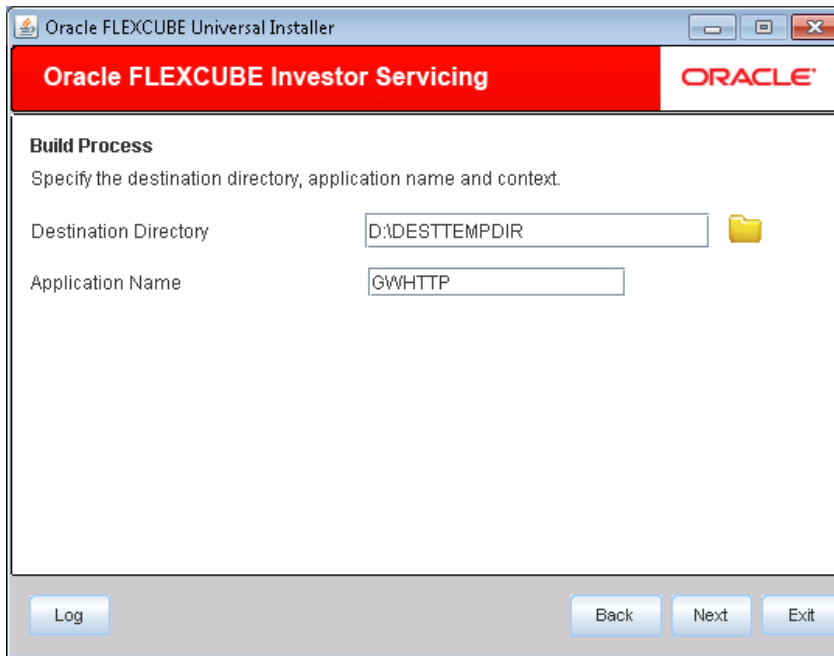
Click OK. Click 'Next' to navigate to next page



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



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

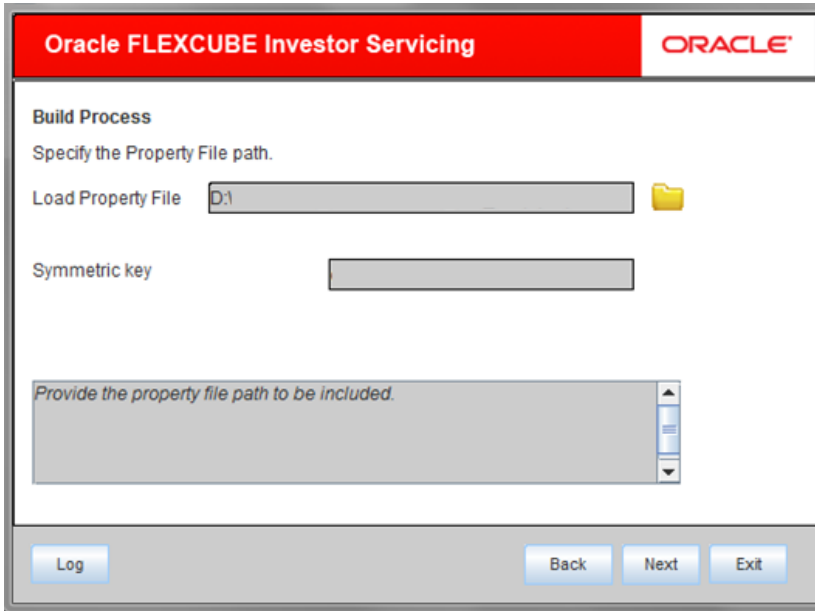
### **Application Context**

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.



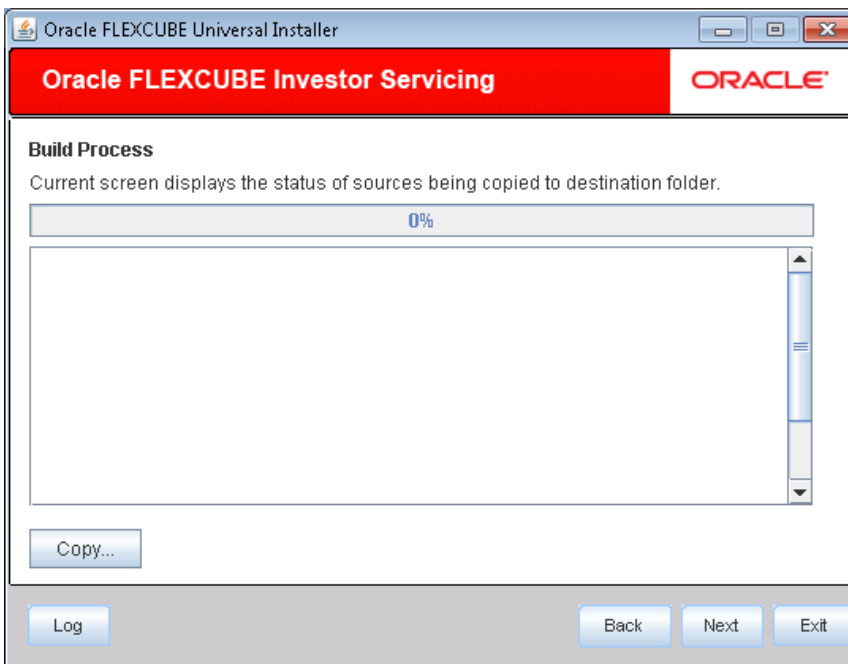
8. Specify the following details:

### 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:

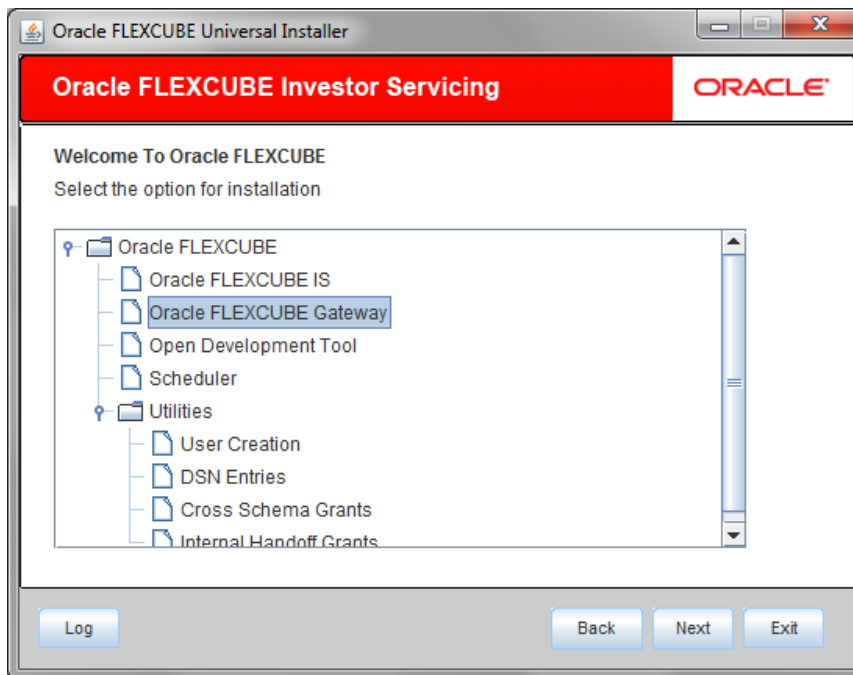
- gw\_ws\_logger.properties
- GW\_WS\_Prop.properties

For details, refer [Gateway Property File Creation](#) document

### 4.1.2 Building EAR File

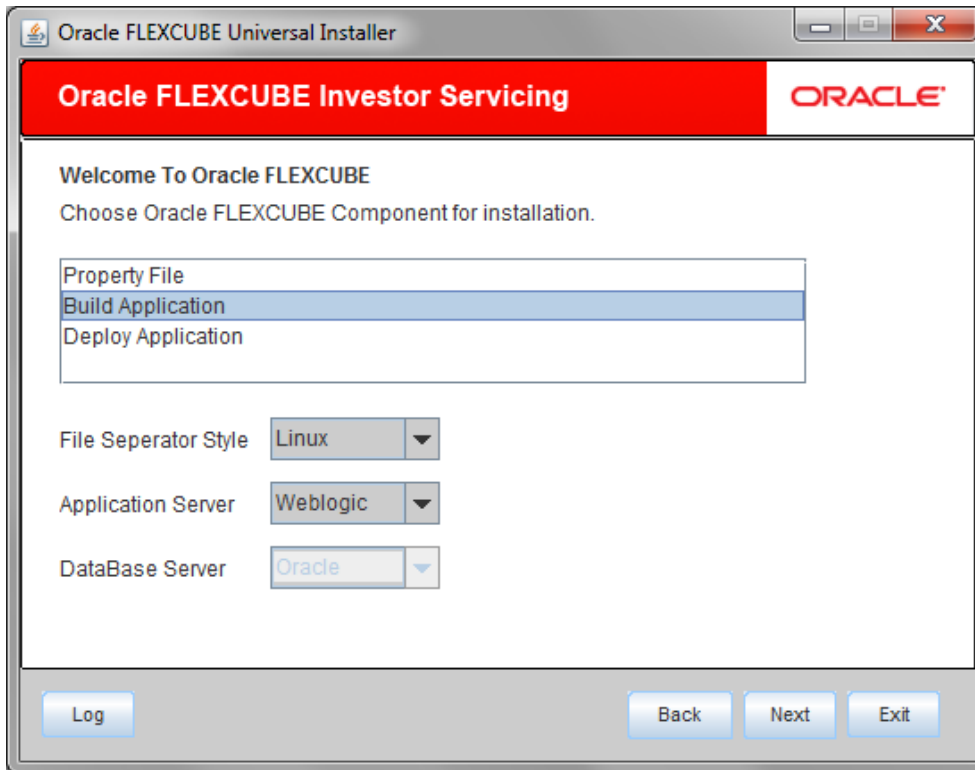
In order to build EAR file for Gateway Web Service Application, you need to follow the steps given below:

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**

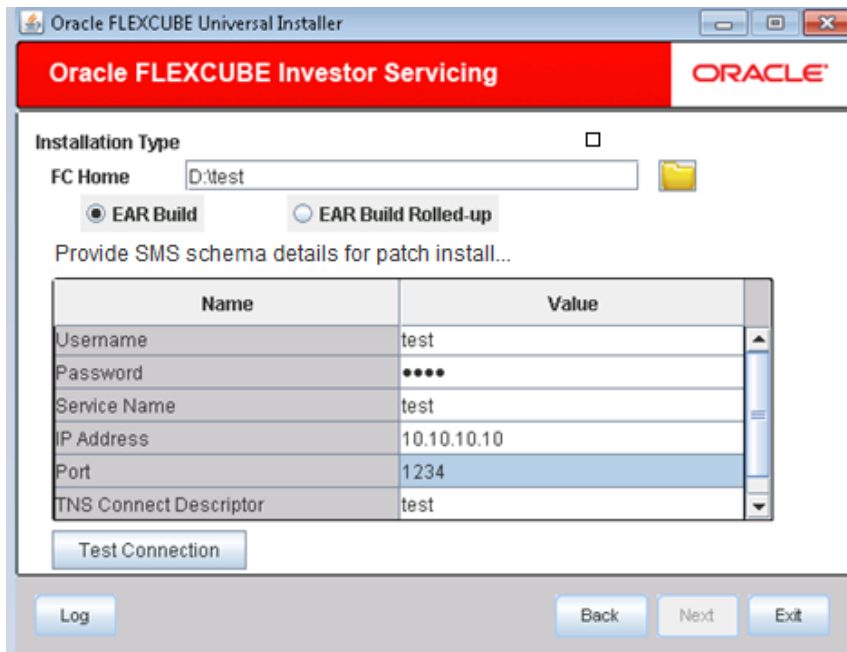
Specify the operating system in which you are creating the property file. Choose the appropriate one from the drop-down list. You

### **Application Server**

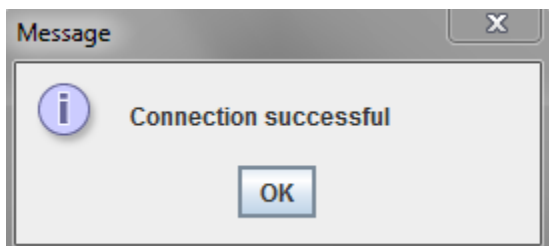
Specify the application server in which you are creating the property file. Choose the appropriate one from the drop-down list.

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

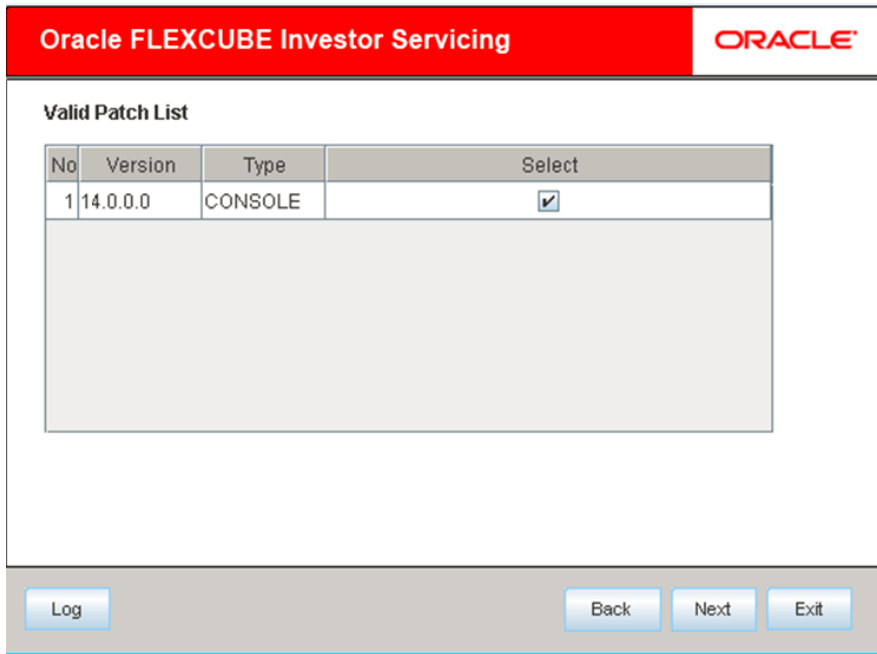
The following screens are displayed. This is the FC HOME folder that needs to be set. Also, it should point to SMS schema. Those versions less than or equal to the current environment are allowed.



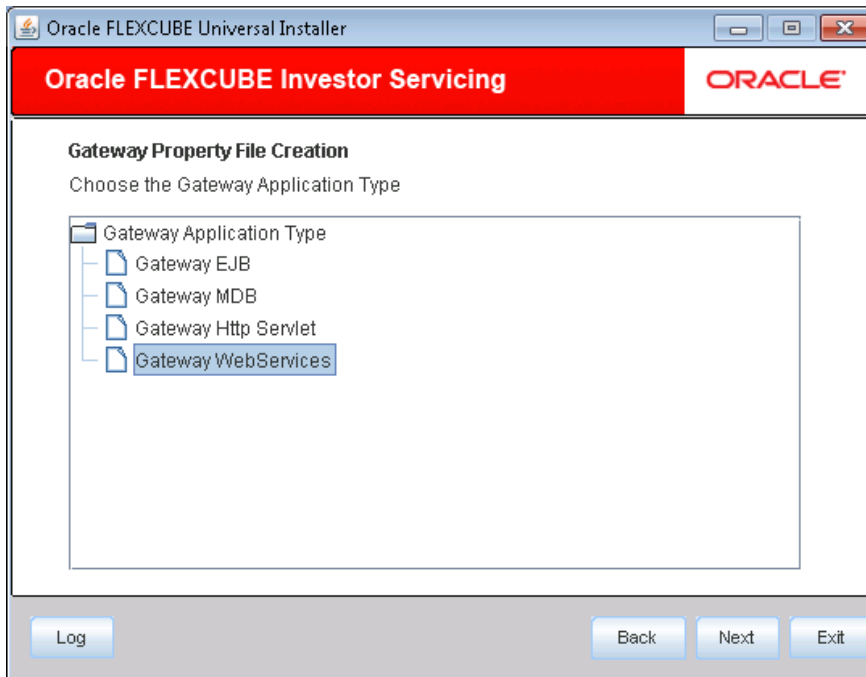
Click 'Test Connection'. On Successful connection the below message will be displayed.



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

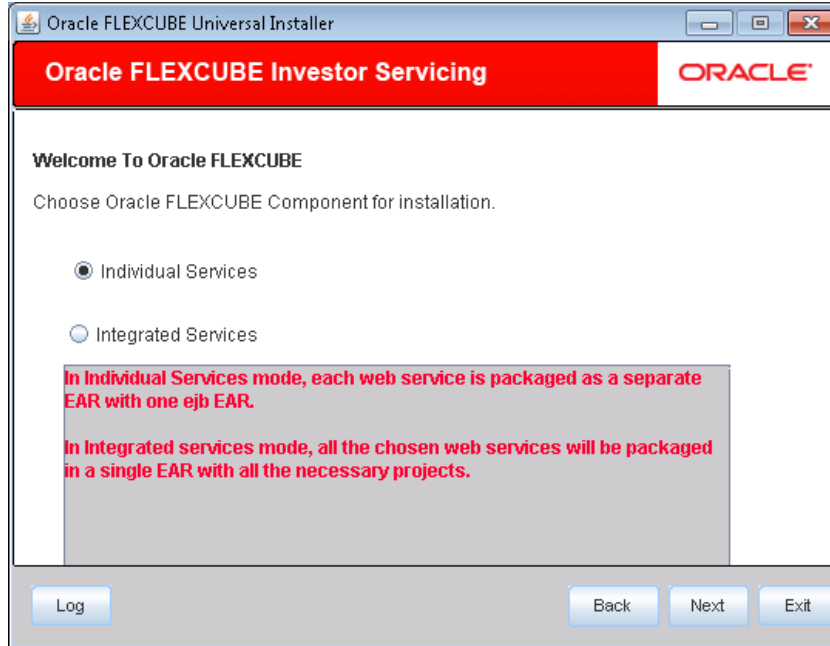


4. Click 'Next'. The following screen is displayed:

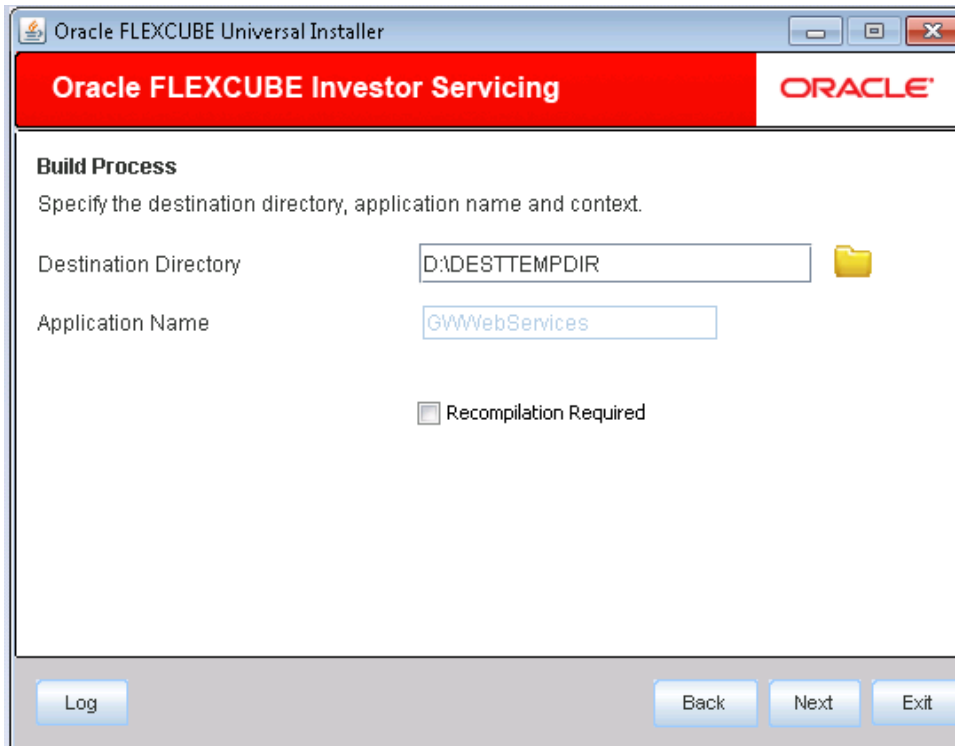


5. Choose 'Gateway WebServices'. Click 'Next'.

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

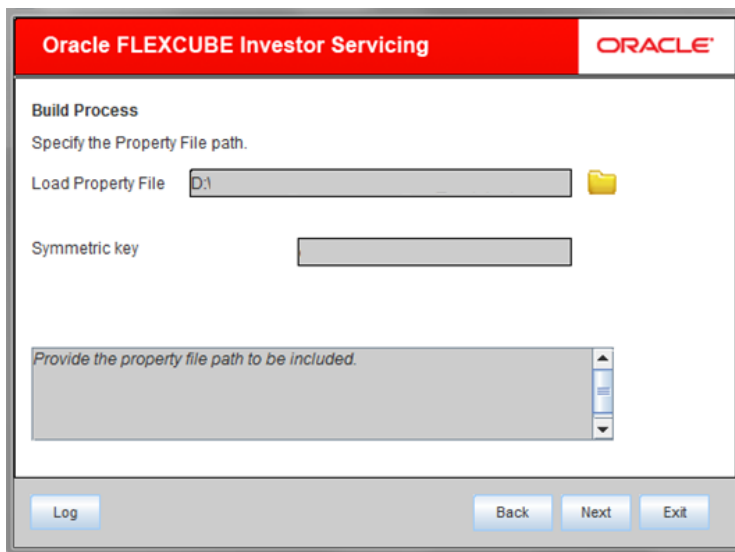
**Note:** In case of XSD or WSDL web services should be recompiled,

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.



10. Specify the following details:

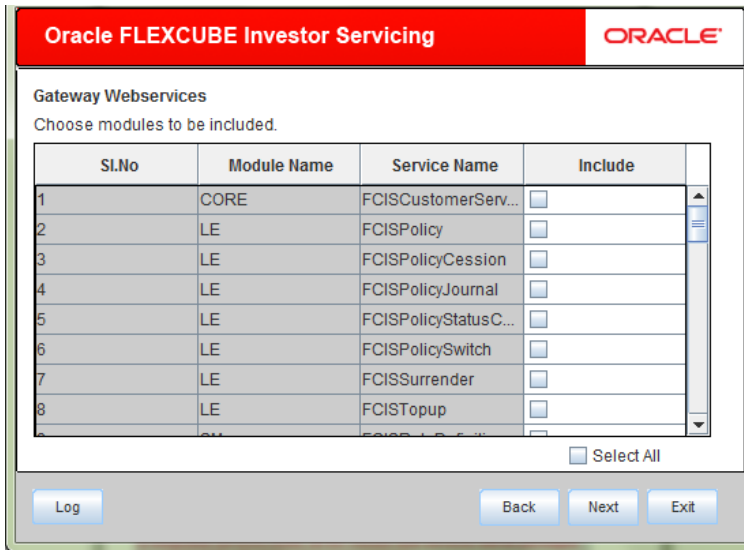
## Centralized Property File

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.

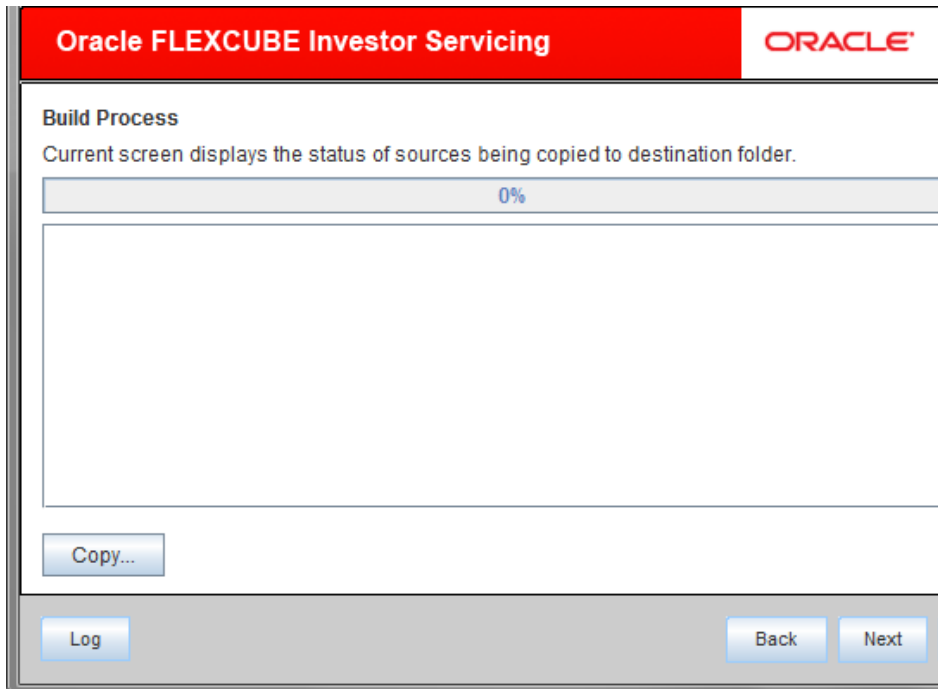


11. Click 'Next'. The following screen is displayed.



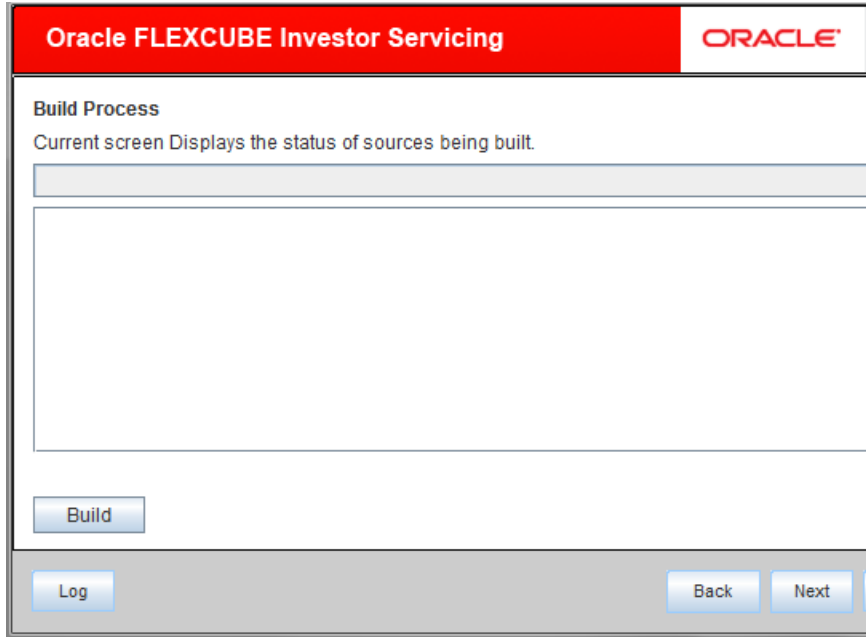
12. Select the services to be included for Web Services.

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](#)

#### 5.1.3 Deployment Using IBM WebSphere Application Server

For details on the manual deployment using IBM WebSphere Application Server, refer to the chapter [Gateway Application Deployment Websphere](#).



Gateway Application Setup  
[May] [2019]  
Version 14.0.0.3.7

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 © [2007], [2019], 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.

