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

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FINANCIAL SERVICES

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1. Setting up REST Service for Oracle FLEXCUBE

1.1 Introduction

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

1.2 Setting up REST Service RESTEJB Application

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

1.2.1 Prerequisites

You need to create the following RestEJB property files before building the application:
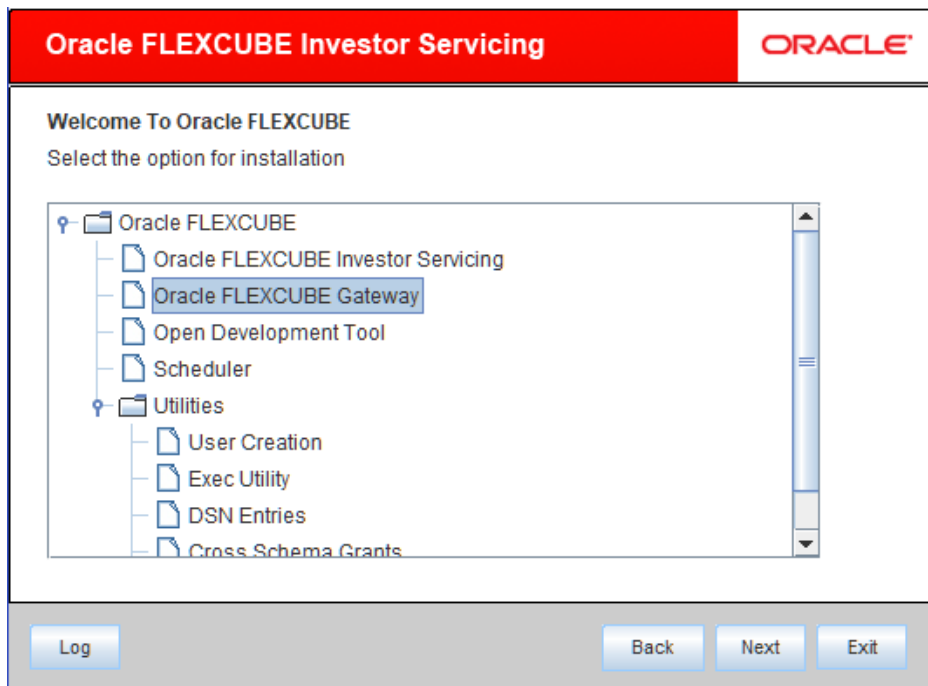
- GW_RESTEJB_Prop.properties
- gw_restejb_logger.properties

*For details, refer to 'RestService_Property_File_Creation'.*

1.2.2 Building EAR File

In order to build EAR file for RestEJB 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.

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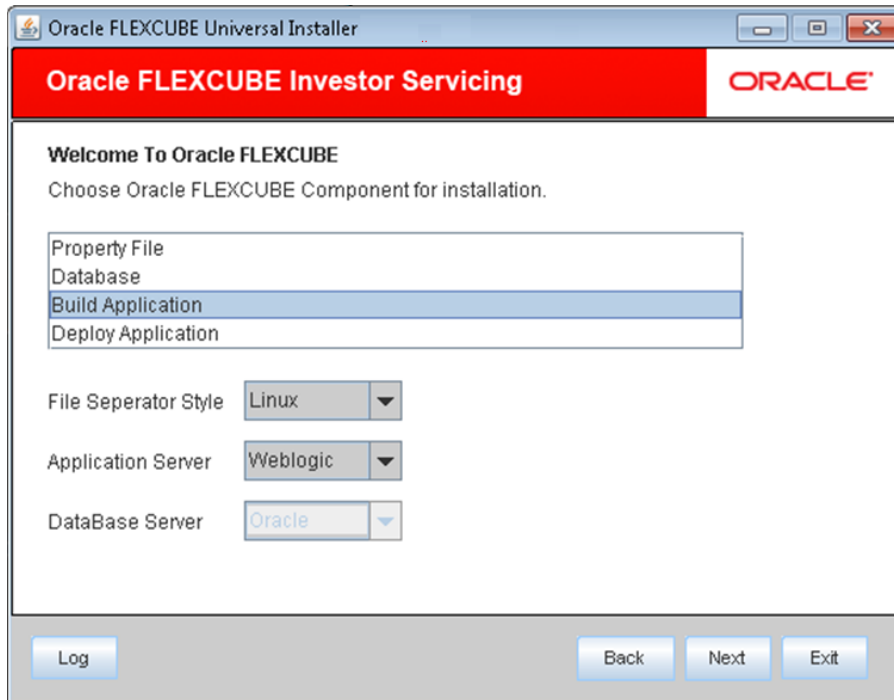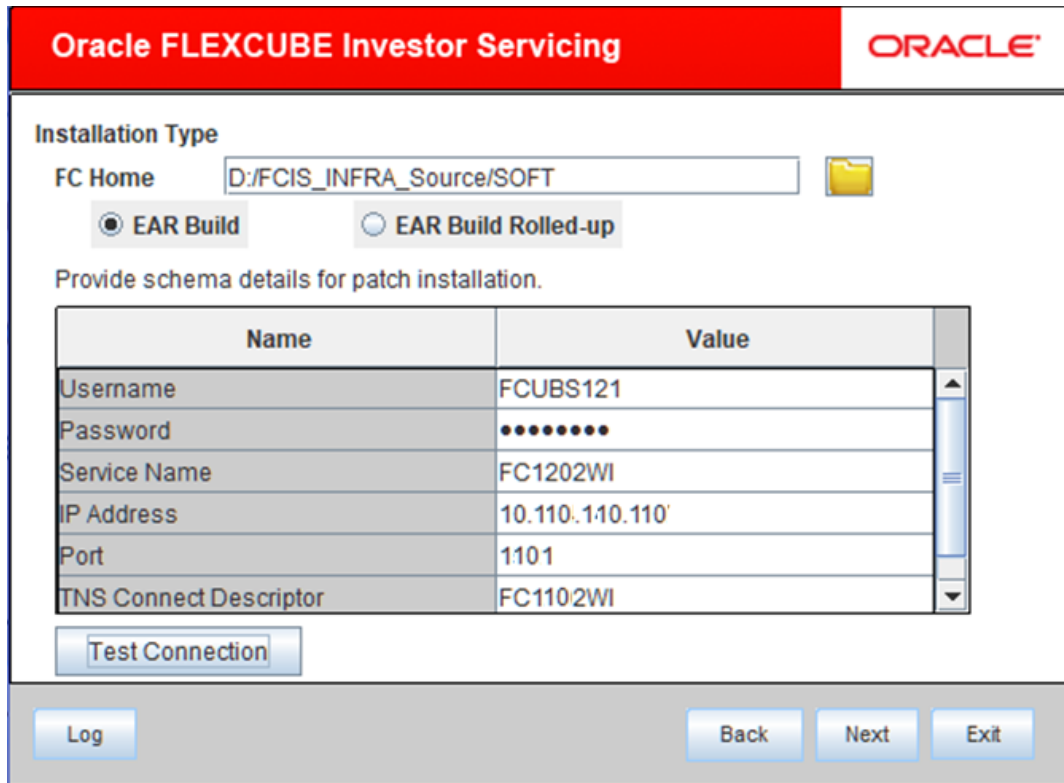

3. Specify the following details:

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.

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

5. 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.
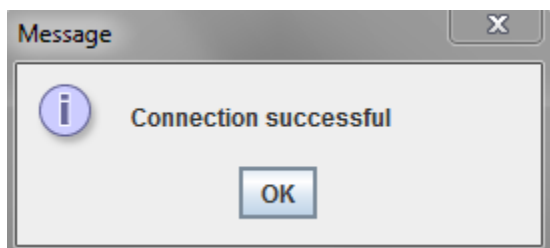

Click 'Test Connection'.

On Successfull connection the below message will be displayed.

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

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Valid Patch List

No	Version	Type	Select
1	14.0.0.0	CONSOLE	☑

Log   Back   Next   Exit

Click Next.

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Gateway Property File Creation

Choose the Gateway Application Type

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

Log   Back   Next   Exit

6. Click Next and provide destination Directory

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Build Process

Specify the destination directory, application name and context.
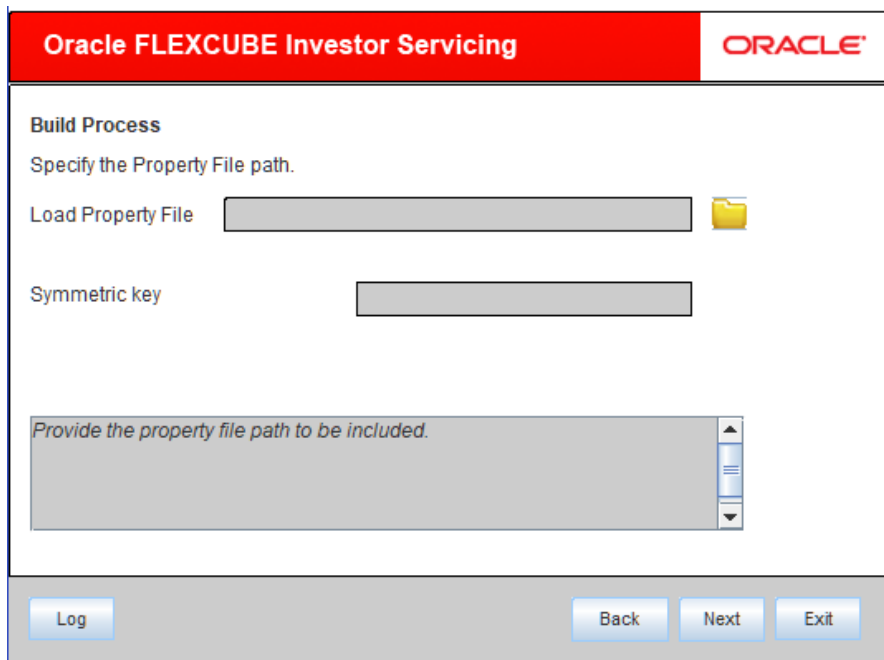
Destination Directory   D:\DESTTEMPDIR
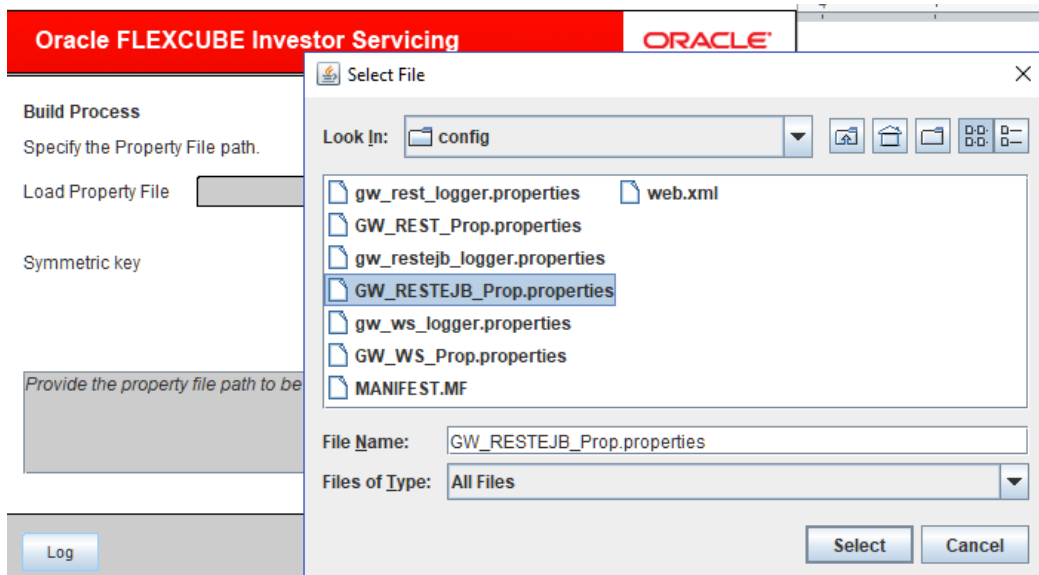
Application Name   GWRestEJB

Log   Back   Next   Exit

7. Click Next. Provide the property file for RestEJB

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Build Process

Specify the Property File path.

Load Property File   [ ] 📁

Symmetric key   [ ]

Provide the property file path to be included.

Log   Back   Next   Exit

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Build Process

Specify the Property File path.

Load Property File   [ ]

Symmetric key

Provide the property file path to be

Select File   ×

Look In: ☐ config   ▼ 🔲 🔲 🔲 🔲 🔲

📄 gw_rest_logger.properties   📄 web.xml
📄 GW_REST_Prop.properties
📄 gw_restejb_logger.properties
📄 GW_RESTEJB_Prop.properties
📄 gw_ws_logger.properties
📄 GW_WS_Prop.properties
📄 MANIFEST.MF

File Name: GW_RESTEJB_Prop.properties

Files of Type: All Files   ▼

                         Select   Cancel

Log

The following screen is displayed:

Click 'Next'. The following screen is displayed.

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

9. Click 'Next'. The following screen is displayed.
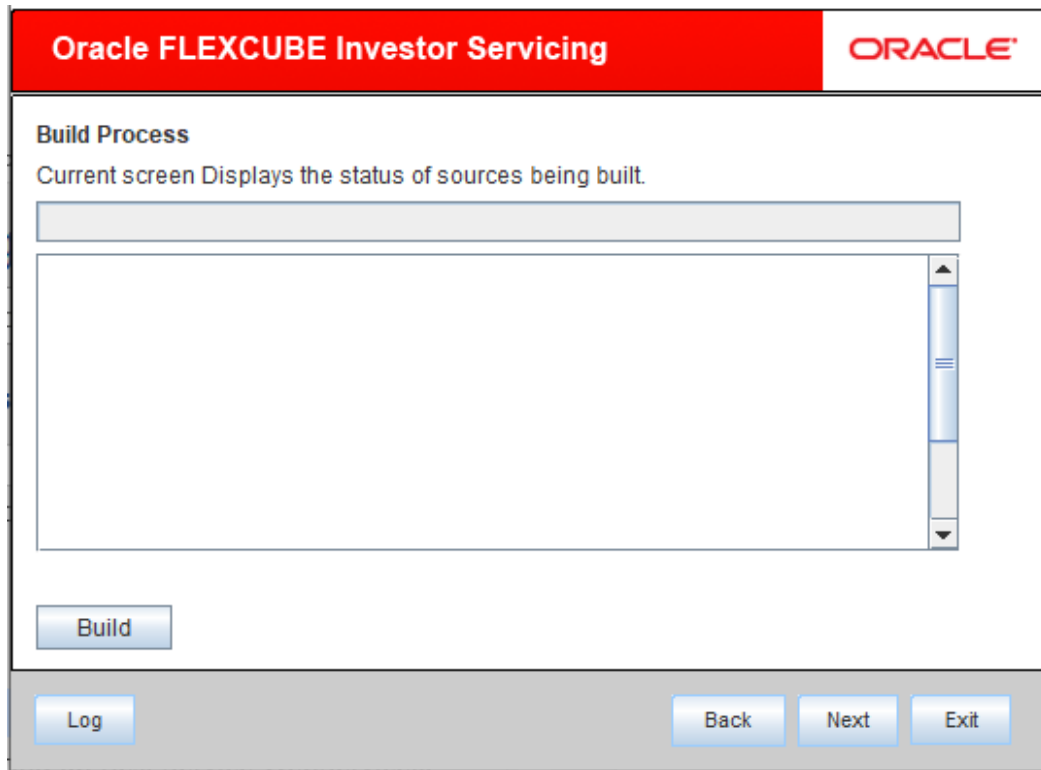
10. Click 'Build' button to start the build process. The installer builds the source files.

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

2. Setting up Rest Service WebService Application

This section explains the methods of setting up Rest Service Webservice Application.

2.1.1 Prerequisites

You need to create the following Rest Service Webservice property files before building the application:

- GW_REST_Prop.properties
- gw_rest_logger.properties

For details, refer to 'RestService_Property_File_Creation'.

2.1.2 Building EAR File

In order to build EAR file for Rest Service Webservice application, you need to follow the steps given below:

1. Launch Oracle FLEXCUBE Universal Installer. The welcome screen is displayed.
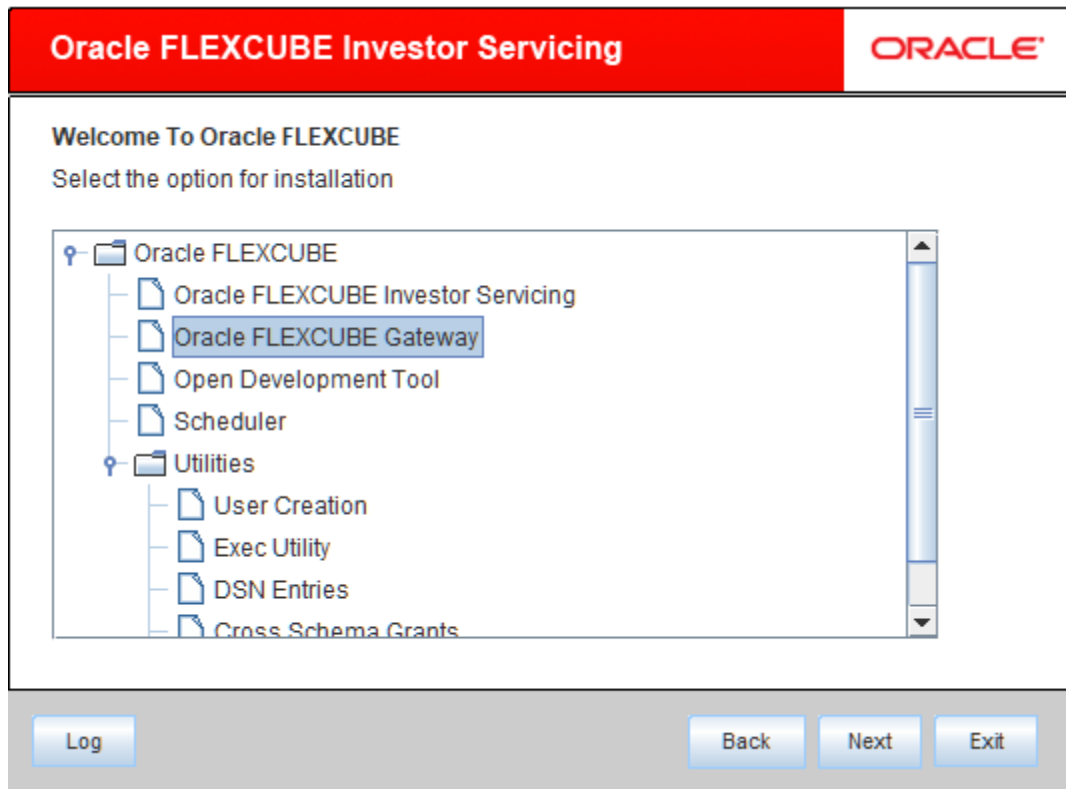
Choose the Application 'Oracle FLEXCUBE Gateway'. Click 'Next'. The following screen is displayed:

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
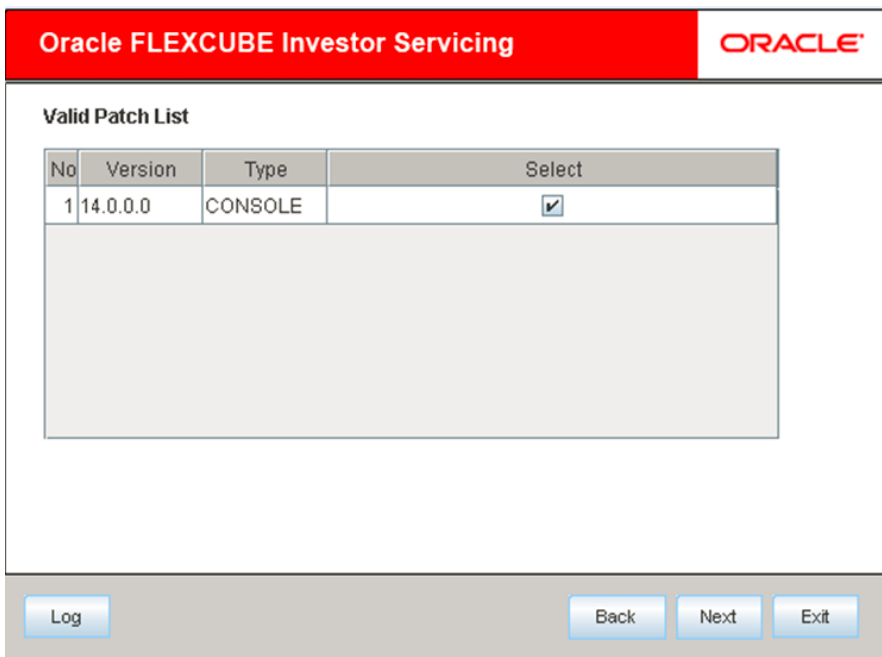
Choose FC home and specify the SMS schema details.

Click 'Test Connection'.On Successfull connection the below message will be displayed.
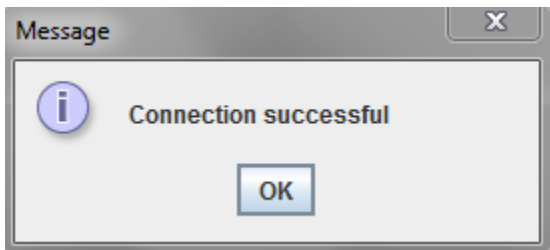
Click OK. Click 'Next' to navigate to next page

Choose patches from list and click 'Next'. The following screen is displayed:
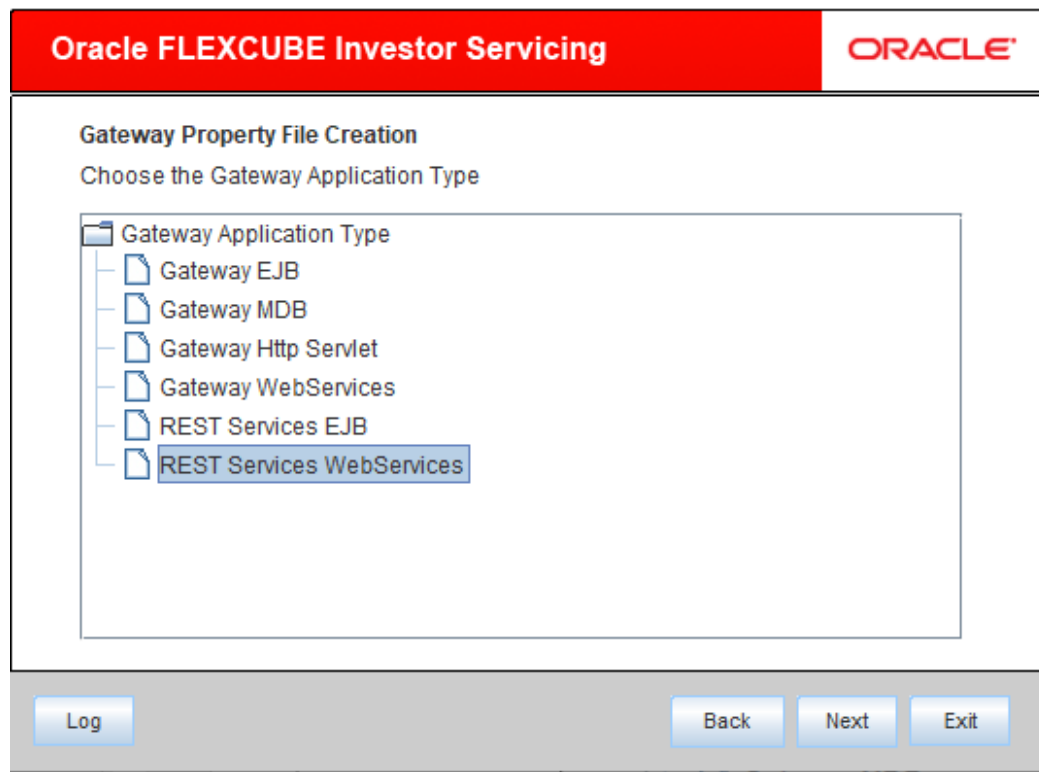
3.   Choose 'Rest Service WebServices'. Click 'Next'.

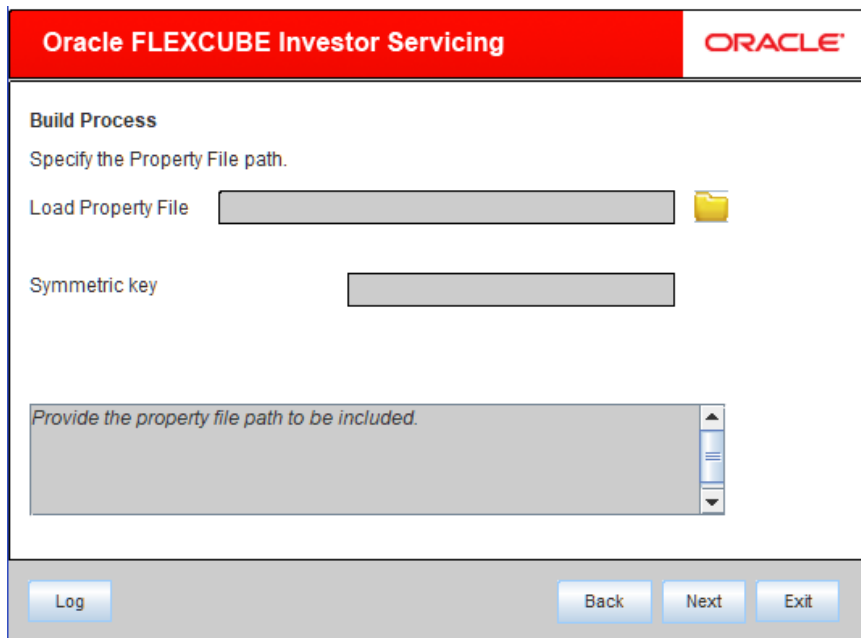4.   The following screen is displayed: Click 'Next' the following screen will be displayed.
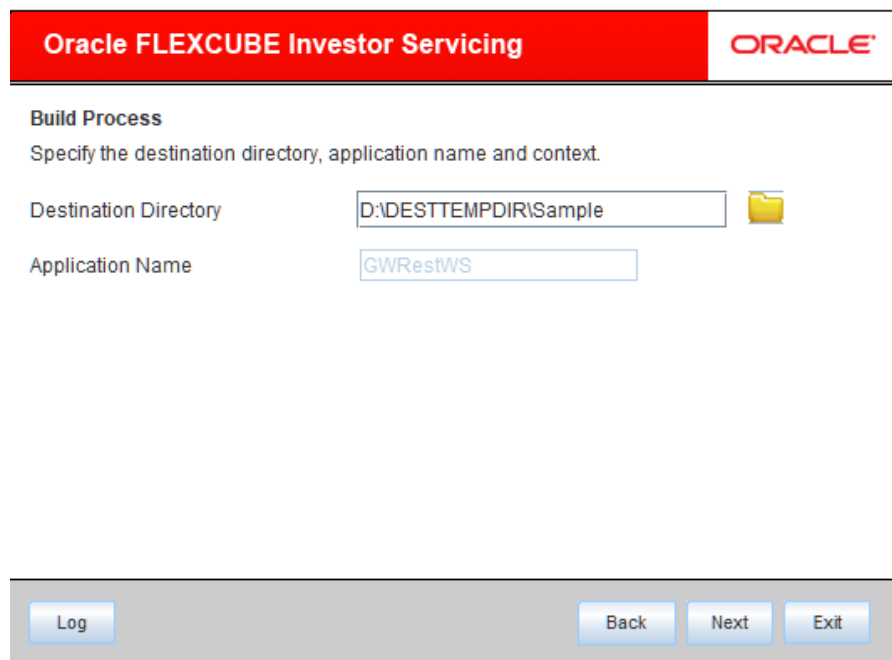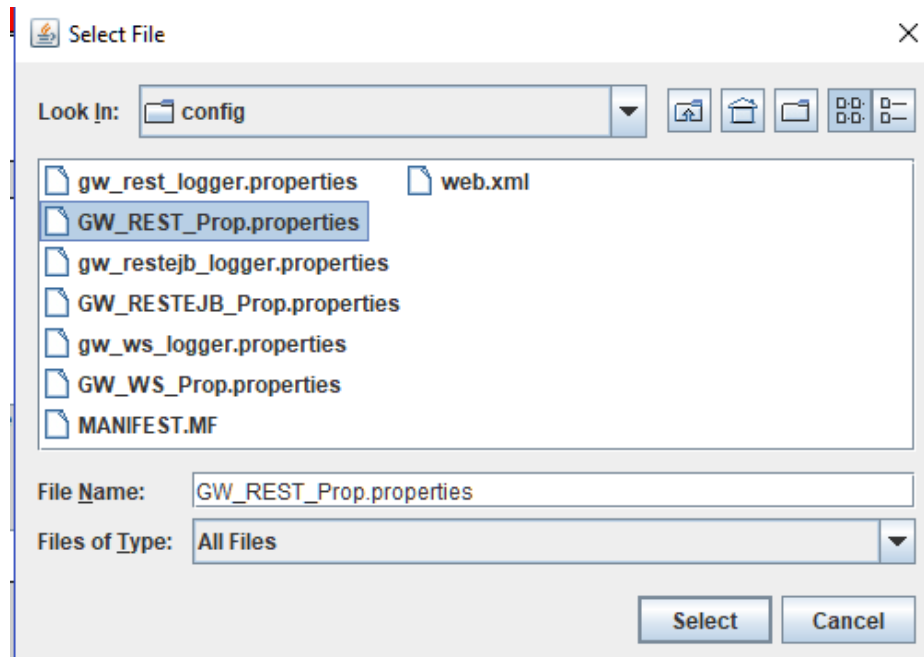
5. Specify the following details:

Destination Directory

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

Eg: D:\

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

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Build Process

Specify the Property File path.

Load Property File　　　[　　　　　　　　　　　]　📁

Symmetric key　　　[　　　　　　　　]

Provide the property file path to be included.

Log　　　　　　　　　　　Back　　Next　　Exit

Select File　　　　　　　　　　　✕

Look In:　📁 config　　▼　　⬚ ⬚ ⬚ ⬚ ⬚

📄 gw_rest_logger.properties　　📄 web.xml
📄 GW_REST_Prop.properties
📄 gw_restejb_logger.properties
📄 GW_RESTEJB_Prop.properties
📄 gw_ws_logger.properties
📄 GW_WS_Prop.properties
📄 MANIFEST.MF

File Name:　　GW_REST_Prop.properties
Files of Type:　All Files　　　　　　　　　▼

Select　　Cancel

The following screen is displayed:

6. 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.

7. Click 'Next'. The following screen is displayed. We can select all the services or we can select an particular service

Click 'Next'. The following screen is displayed:

8. Click 'Next'

9. Click 'Copy'

10. Click 'Next'

Click Build. 'Build successful' message will be displayed.

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

3. Post Building Activity

3.1 Introduction

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

3.1.1 RestService Configuration

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

Refer Rest Property file generation document for details.

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

Path	Files
Rest EJB Logger Path	Logger path should contain the gateway property files generated by the Installer.
	For instance, for RestEJB application, the installer generates the files 'gw_restejb_logger.properties' and 'GW_RESTEJB_Prop.properties'. While creating the property file if you specify the 'Logger Path' as 'D:/GW_EJB/config/ gw_restejb_logger.properties', then you need to place both the files 'gw_restejb_logger.properties' and 'GW_RESTEJB_Prop.properties' inside the folder 'D:/GW_EJB/config/'.
Rest WebService Logger Path	Logger path should contain the gateway property files generated by the Installer.
	For instance, for RestEJB application, the installer generates the files 'gw_rest_logger.properties' and 'GW_REST_Prop.properties'. While creating the property file if you specify the 'Logger Path' as 'D:/GW_EJB/config/ gw_rest_logger.properties', then you need to place both the files 'gw_restejb_logger.properties' and 'GW_REST_Prop.properties' inside the folder 'D:/GW_EJB/config/'.

3.1.2 Deployment Using Oracle WebLogic Application Server

For details on the manual deployment using Oracle WebLogic Application Server, refer to the chapter 'Link for RESTService_Deployment_Weblogic.doc to be provided'.

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