

REST Service Application Setup
Oracle FLEXCUBE Investor Servicing
Release 14.6.0.0.0
[May] [2022]



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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:

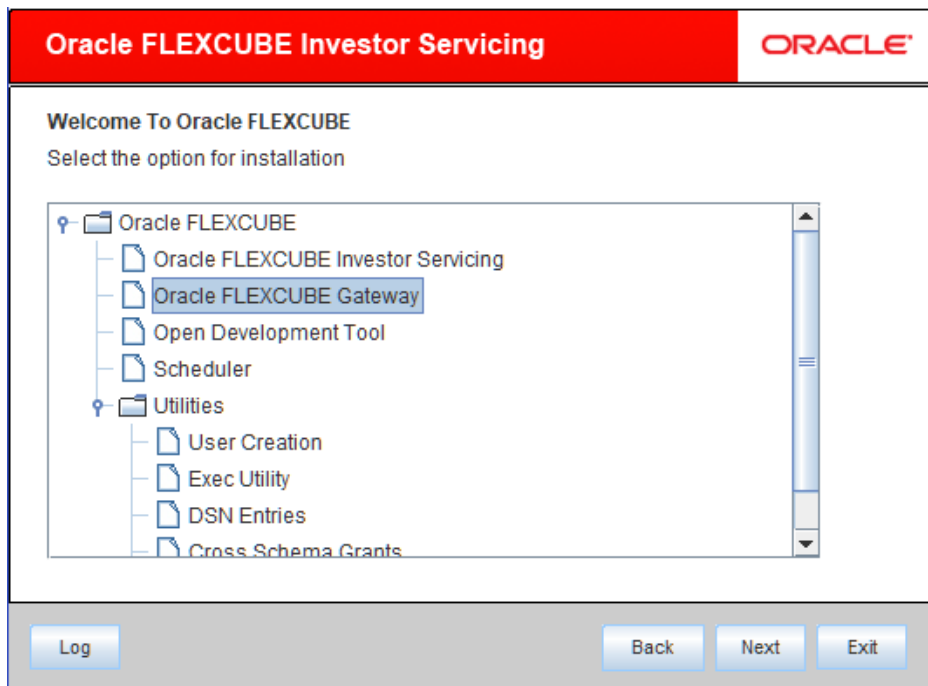
- GW_RESTEJB_Prop.properties
- gw_restejb_logger.properties

For details, refer to 'RestService_Property_File_Creation'.

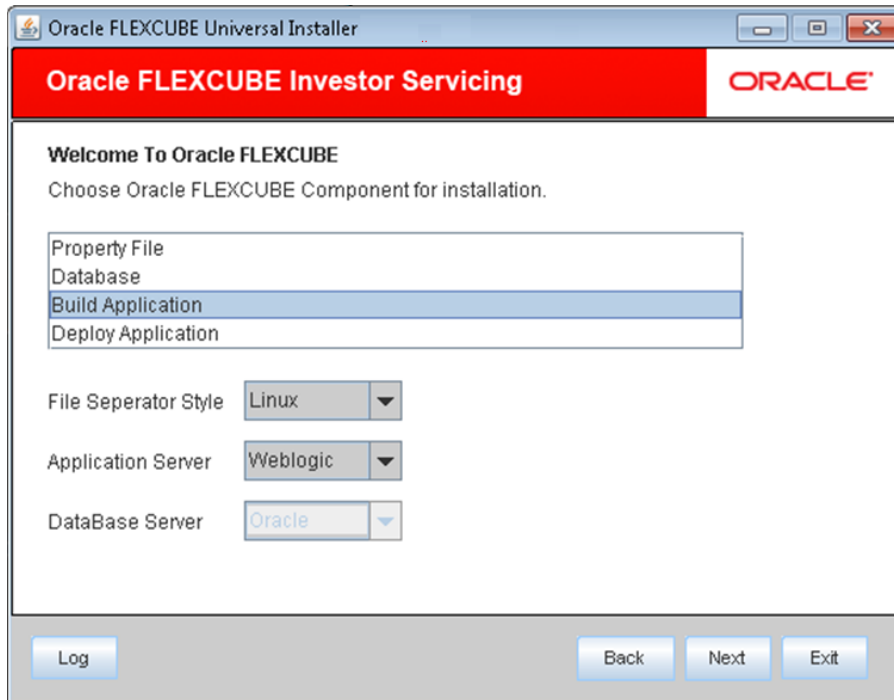
1.2.2 Building EAR File

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:

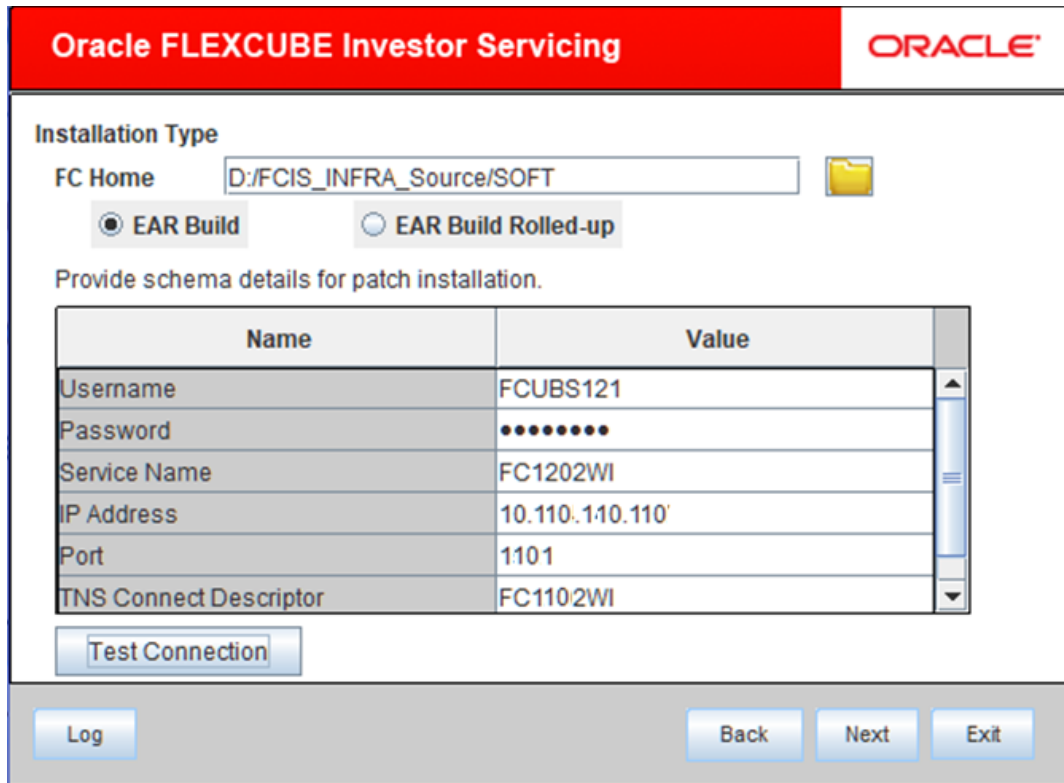
File Separator Style

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.



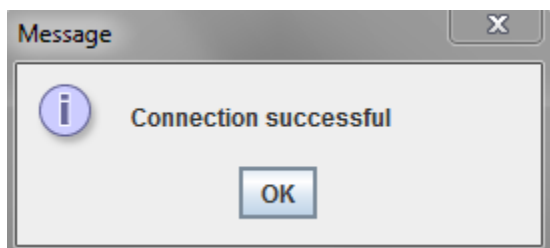
The screenshot shows the 'Oracle FLEXCUBE Investor Servicing' installation window. The 'Installation Type' section has 'FC Home' set to 'D:/FCIS_INFRA_Source/SOFT'. Below this, 'EAR Build' is selected with a radio button, and 'EAR Build Rolled-up' is unselected. A message says 'Provide schema details for patch installation.' Below this is a table with schema details.

| Name | Value |
|------------------------|----------------|
| Username | FCUBS121 |
| Password | •••••••• |
| Service Name | FC1202WI |
| IP Address | 10.110.110.110 |
| Port | 1101 |
| TNS Connect Descriptor | FC1102WI |

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

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

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Valid Patch List

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

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



Application Name

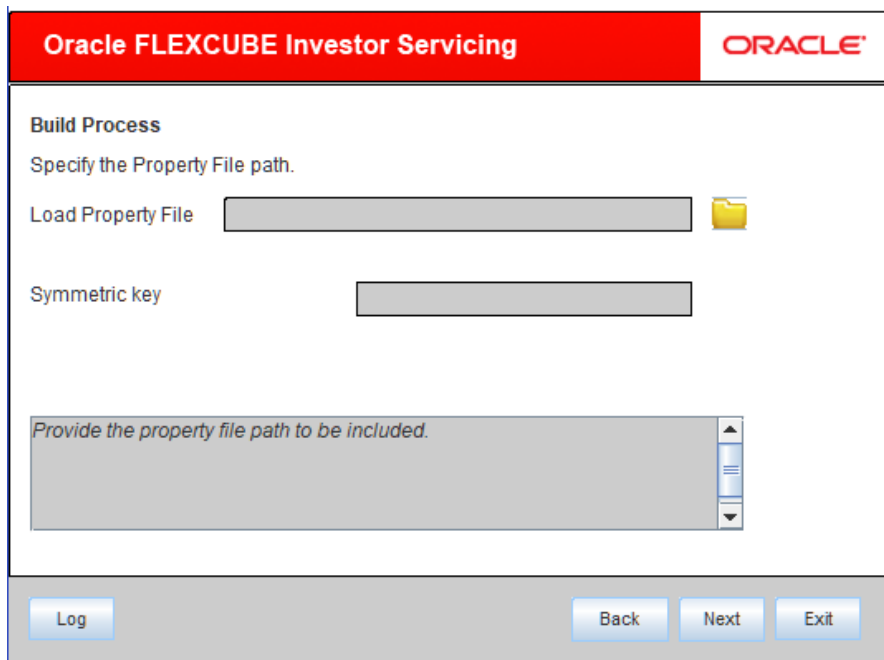
Log

Back

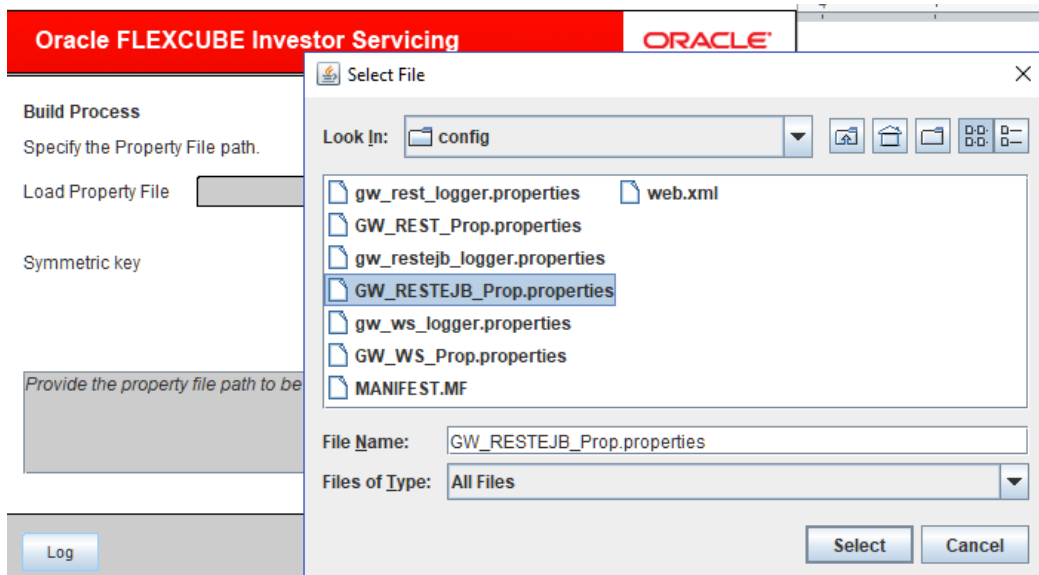
Next

Exit

7. Click Next. Provide the property file for RestEJB

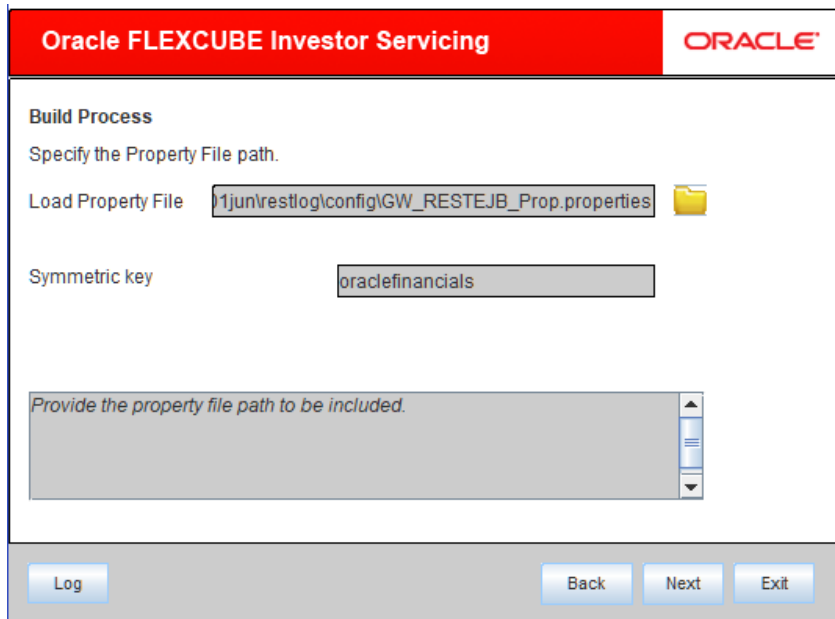


The screenshot shows the 'Oracle FLEXCUBE Investor Servicing' application window. The title bar is red with the Oracle logo. The main content area is titled 'Build Process' and contains the instruction 'Specify the Property File path.' Below this, there are three input fields: 'Load Property File' (with a folder icon), 'Symmetric key', and a larger text area for 'Provide the property file path to be included.' At the bottom, there are four buttons: 'Log', 'Back', 'Next', and 'Exit'.



The screenshot shows the same 'Oracle FLEXCUBE Investor Servicing' application window, but with a 'Select File' dialog box open. The dialog box has a title bar with a folder icon and a close button. It shows the 'Look In' directory as 'config'. The file list contains several files, with 'GW_RESTEJB_Prop.properties' selected. The 'File Name' field at the bottom shows 'GW_RESTEJB_Prop.properties' and the 'Files of Type' dropdown is set to 'All Files'. The 'Select' and 'Cancel' buttons are at the bottom right of the dialog box.

The following screen is displayed:




Oracle FLEXCUBE Investor Servicing

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Build Process

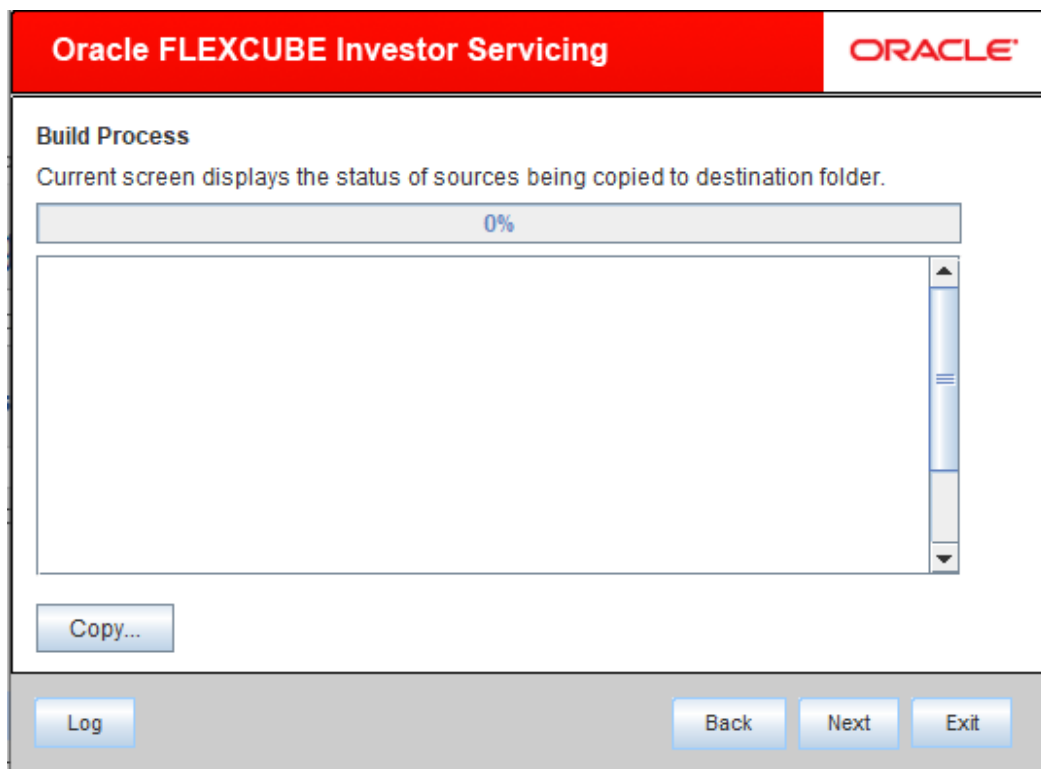
Specify the Property File path.

Load Property File 

Symmetric key

Provide the property file path to be included.

Click 'Next'. The following screen is displayed.



Oracle FLEXCUBE Investor Servicing

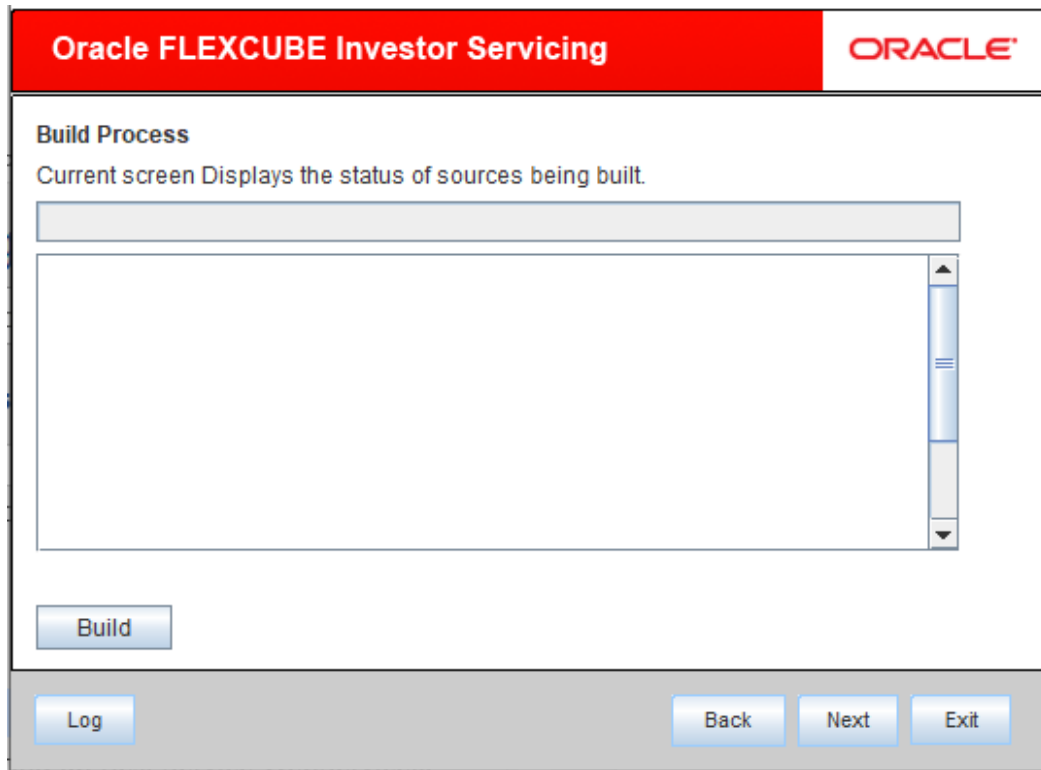
ORACLE

Build Process

Current screen displays the status of sources being copied to destination folder.

- 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:

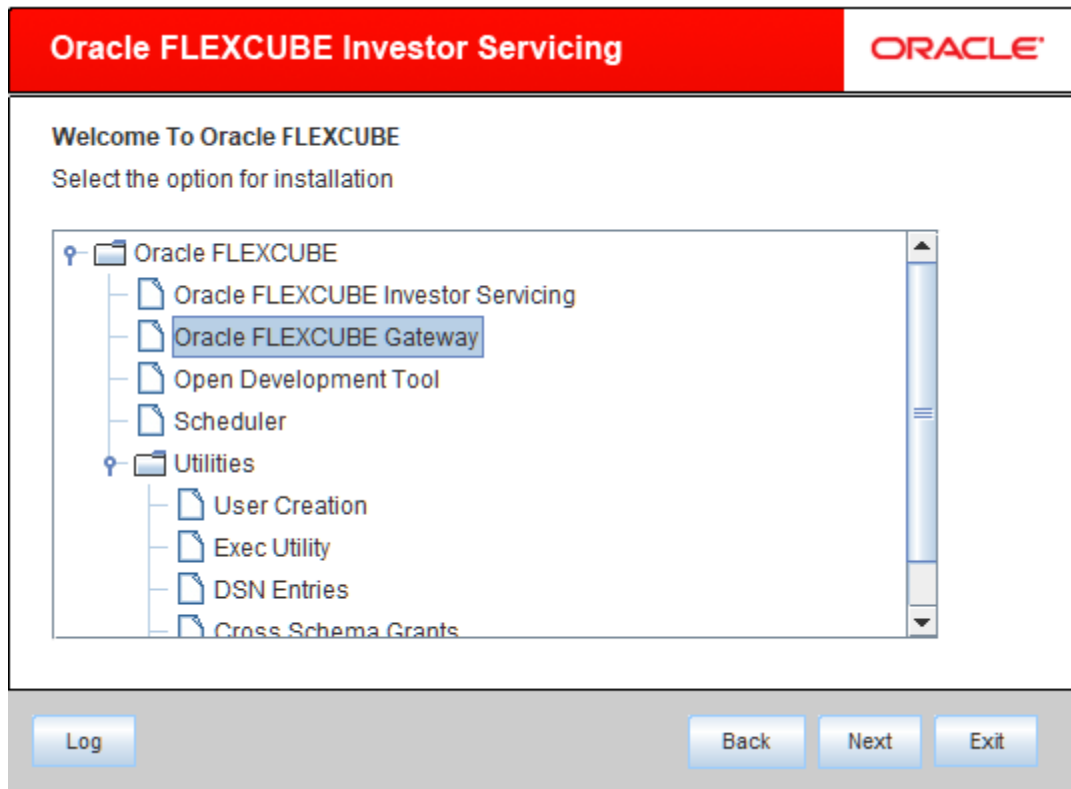
- GW_REST_Prop.properties
- gw_rest_logger.properties

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:

Oracle FLEXCUBE Universal Installer

Oracle FLEXCUBE Investor Servicing ORACLE

Welcome To Oracle FLEXCUBE
Choose Oracle FLEXCUBE Component for installation.

Property File
Build Application
Deploy Application

File Separator Style: Linux
Application Server: Weblogic
DataBase Server: Oracle

Log Back Next Exit

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 Investor Servicing ORACLE

Installation Type

FC Home: D:/FCIS_INFRA_Source/SOFT

☒ EAR Build ☐ EAR Build Rolled-up

Provide schema details for patch installation.

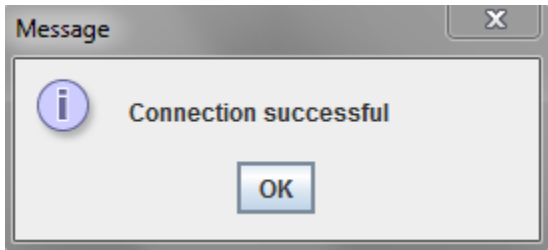
| Name | Value |
|------------------------|----------------|
| Username | FCUBS121 |
| Password | ***** |
| Service Name | FC1202WI |
| IP Address | 10.110.110.110 |
| Port | 1101 |
| TNS Connect Descriptor | FC1102WI |

Test Connection

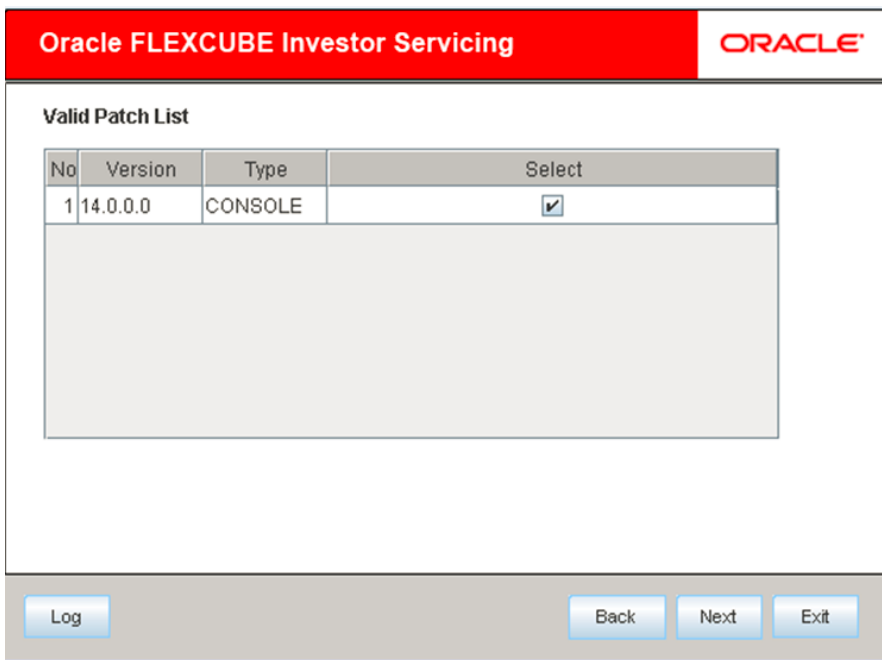
Log Back Next Exit

Choose FC home and specify the SMS schema details.

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



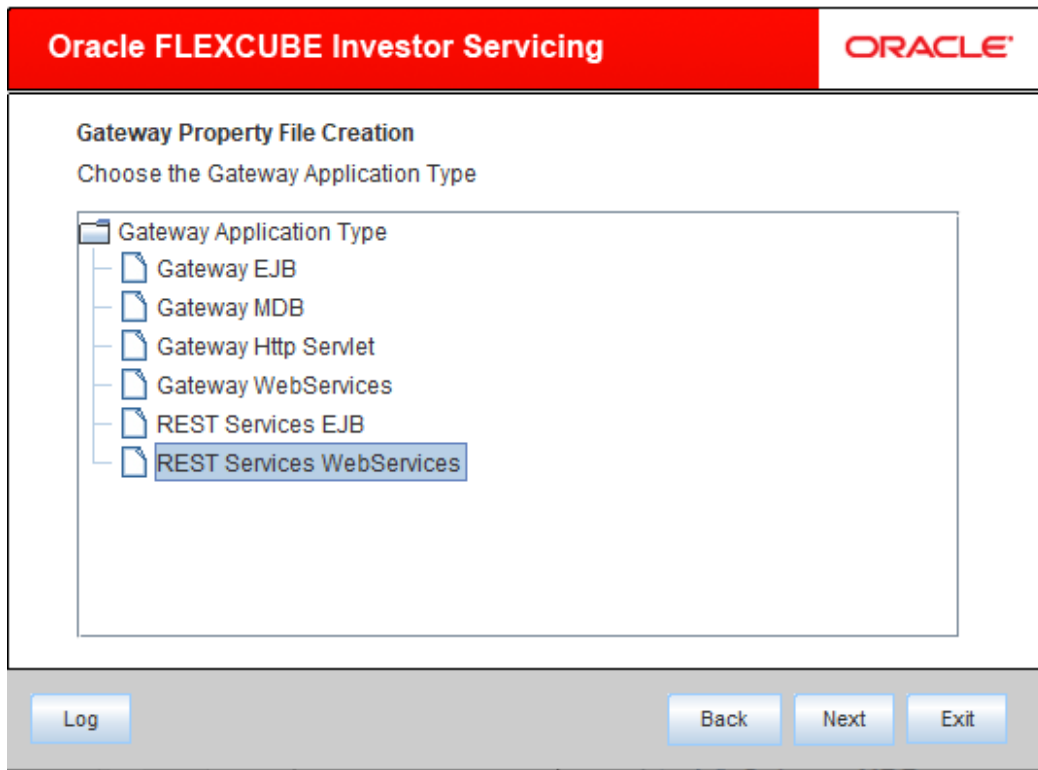
Click OK. Click 'Next' to navigate to next page

A screenshot of the Oracle FLEXCUBE Investor Servicing application window. The title bar is red with "Oracle FLEXCUBE Investor Servicing" and the "ORACLE" logo. The main content area is titled "Valid Patch List" and contains a table with the following data:

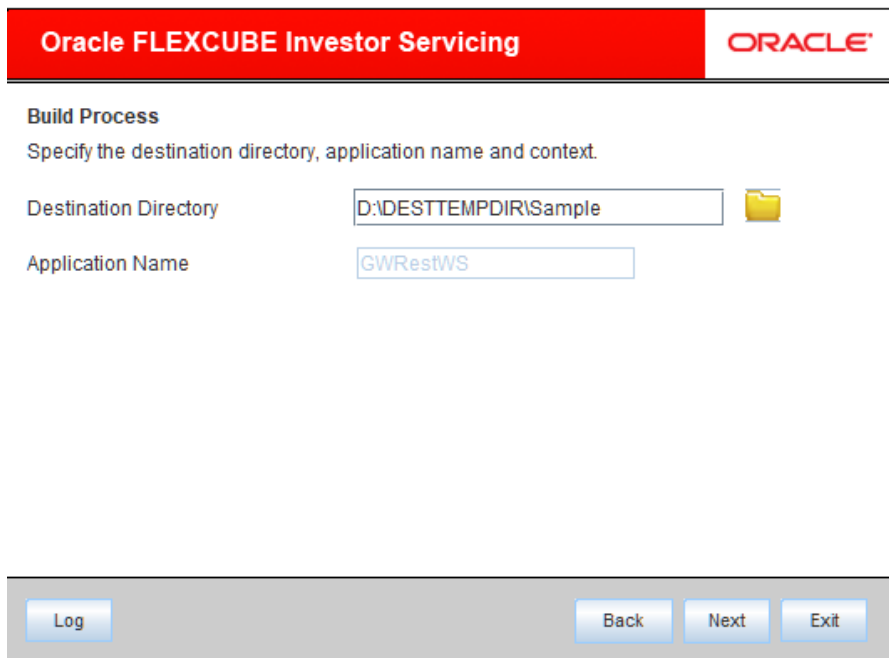
| No | Version | Type | Select |
|----|----------|---------|-------------------------------------|
| 1 | 14.0.0.0 | CONSOLE | <input checked="" type="checkbox"/> |

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

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.



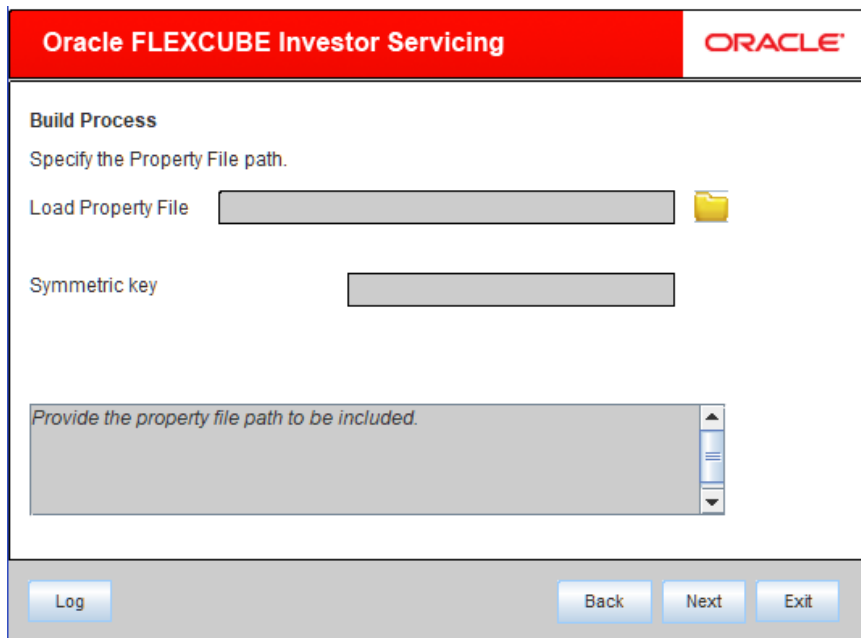
5. Specify the following details:

Destination Directory

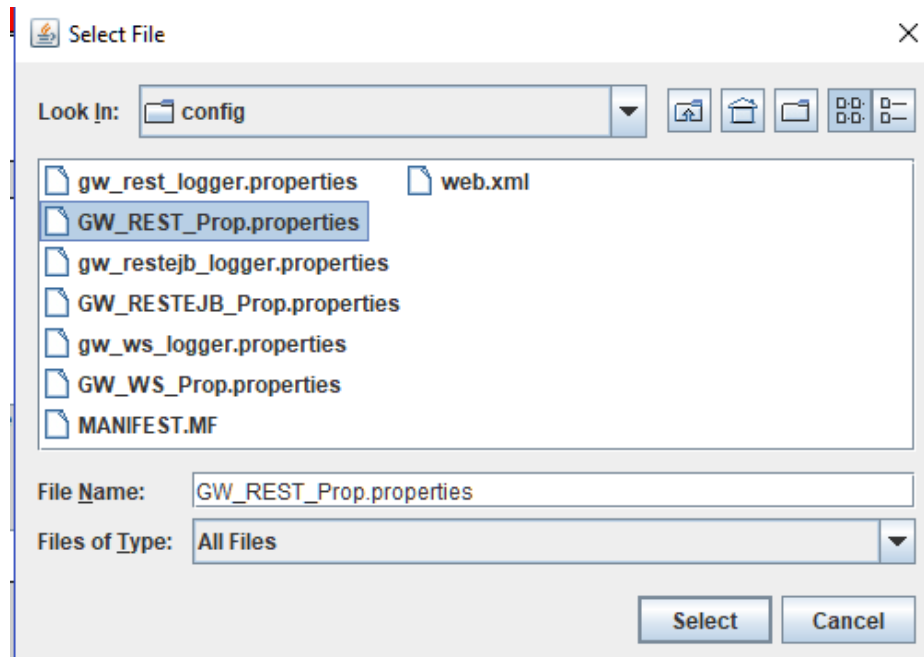
Specify the location of the destination directory. The source files from the software will be copied to this location.

Eg: D:\

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



The dialog box is titled "Oracle FLEXCUBE Investor Servicing" with the Oracle logo on the right. The main section is labeled "Build Process" and contains the instruction "Specify the Property File path." Below this, there is a "Load Property File" label followed by a text input field and a folder icon. Underneath is a "Symmetric key" label followed by another text input field. A larger text area with a scroll bar contains the instruction "Provide the property file path to be included." At the bottom, there are four buttons: "Log", "Back", "Next", and "Exit".



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 labeled "Build Process" and contains the instruction "Specify the Property File path." Below this, there are two input fields. The first is labeled "Load Property File" and contains the text "ice01jun\restlog\config\GW_REST_Prop.properties", followed by a yellow folder icon. The second is labeled "Symmetric key" and contains the text "oraclefinancials". Below these fields is a large text area with the placeholder text "Provide the property file path to be included." and a vertical scrollbar on the right. At the bottom of the window, there is a gray bar containing four buttons: "Log", "Back", "Next", and "Exit".

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

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Gateway Webservices

Choose modules to be included.

| Sl.... | Module Name | Service Name | Include | Recomp... |
|--------|-------------|---------------------------|--------------------------|--------------------------|
| 1 | LE | PolicyService | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 | LE | PolicyStatusChangeService | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 | LE | PolicySwitchService | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 | LE | PolicyTopupService | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 | UT | AuthRepService | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 | UT | BlockService | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 | UT | BrokerService | <input type="checkbox"/> | <input type="checkbox"/> |
| 8 | UT | CustomerService | <input type="checkbox"/> | <input type="checkbox"/> |

☐ Select All

Log

Back

Next

Exit

Oracle FLEXCUBE Investor Servicing

ORACLE

Gateway Webservices

Choose modules to be included.

| Sl.... | Module Name | Service Name | Include | Recomp... |
|--------|-------------|---------------------------|-------------------------------------|--------------------------|
| 1 | LE | PolicyService | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2 | LE | PolicyStatusChangeService | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3 | LE | PolicySwitchService | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4 | LE | PolicyTopupService | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 5 | UT | AuthRepService | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 6 | UT | BlockService | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7 | UT | BrokerService | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 8 | UT | CustomerService | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

☒ Select All

Log

Back

Next

Exit

Click 'Next'. The following screen is displayed:

Oracle FLEXCUBE Investor Servicing

ORACLE

Gateway Webservices

Choose modules to be included.

| Sl.... | Module Name | Service Name | Include | Recomp... |
|--------|-------------|--------------------------|-------------------------------------|--------------------------|
| 16 | UT | SwitchService | <input type="checkbox"/> | <input type="checkbox"/> |
| 17 | UT | TransactionService | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 18 | UT | TransferService | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 19 | UT | UnitholderService | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 20 | PA | PASAddressDetailsService | <input type="checkbox"/> | <input type="checkbox"/> |
| 21 | PA | PASAssetClassService | <input type="checkbox"/> | <input type="checkbox"/> |
| 22 | PA | PASBankDetailsService | <input type="checkbox"/> | <input type="checkbox"/> |
| 23 | PA | PASIdDetailsService | <input type="checkbox"/> | <input type="checkbox"/> |

☐ Select All

Log

Back

Next

Exit

Oracle FLEXCUBE Investor Servicing

ORACLE

Gateway Webservices

Choose modules to be included.

| Sl.... | Module Name | Service Name | Include | Recomp... |
|--------|-------------|--------------------------|-------------------------------------|--------------------------|
| 16 | UT | SwitchService | <input type="checkbox"/> | <input type="checkbox"/> |
| 17 | UT | TransactionService | <input type="checkbox"/> | <input type="checkbox"/> |
| 18 | UT | TransferService | <input type="checkbox"/> | <input type="checkbox"/> |
| 19 | UT | UnitholderService | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 20 | PA | PASAddressDetailsService | <input type="checkbox"/> | <input type="checkbox"/> |
| 21 | PA | PASAssetClassService | <input type="checkbox"/> | <input type="checkbox"/> |
| 22 | PA | PASBankDetailsService | <input type="checkbox"/> | <input type="checkbox"/> |
| 23 | PA | PASIdDetailsService | <input type="checkbox"/> | <input type="checkbox"/> |

☐ Select All

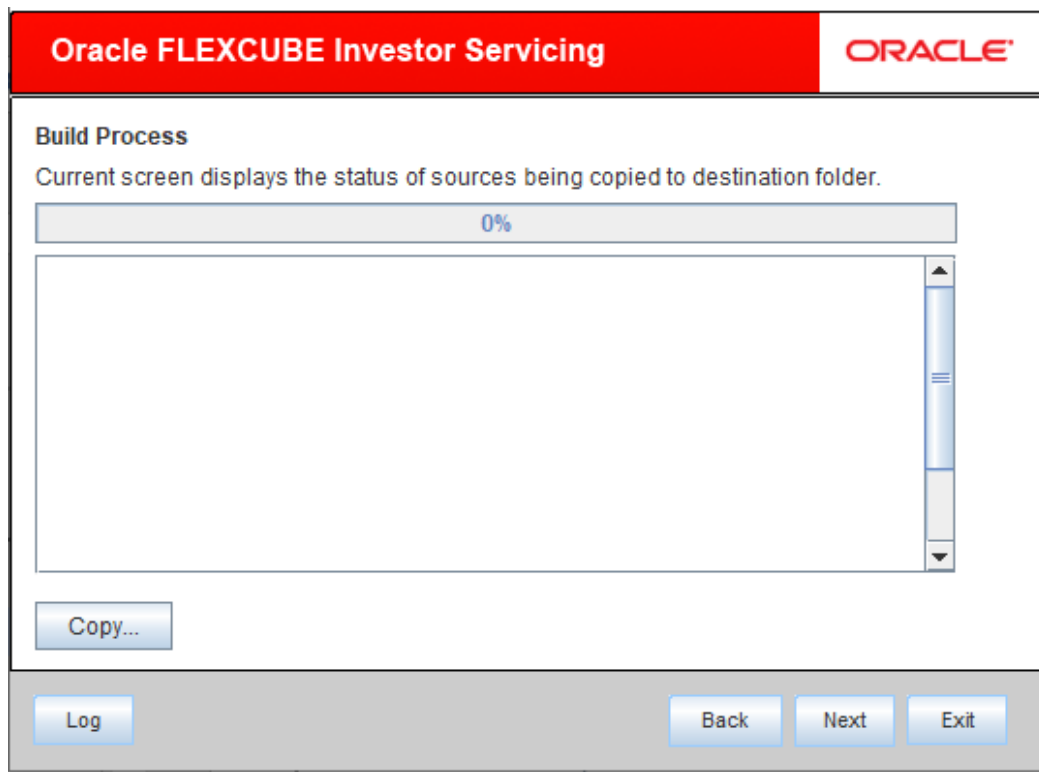
Log

Back

Next

Exit

8. Click 'Next'



9. Click 'Copy'
10. Click 'Next'

Oracle FLEXCUBE Investor Servicing **ORACLE**

Build Process
Current screen Displays the status of sources being built.

Build

Log Back Next Exit

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'

3.1.3 Deployment Using IBM WebSphere Application Server

For details on the manual deployment using IBM WebSphere Application Server, refer to the chapter 'Link for RESTService_Deployment_WebSphere.doc to be provided'.



RestService Application Setup
[May] [2022]
Version 14.6.0.0.0

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