

# Oracle® FLEXCUBE Investor Servicing FCIS EAR Building



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## 1 Build EAR files

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# Preface

**Oracle FLEXCUBE Investor Servicing** is a comprehensive mutual funds automation software from Oracle® Financial Servicing Software Ltd.©.

You can use the system to achieve optimum automation of all your mutual fund investor servicing processes, as it provides guidelines for specific tasks, descriptions of various features and processes, and general information.

This topic contains the following sub-topics:

- [Purpose](#)
- [Audience](#)
- [Documentation Accessibility](#)
- [Critical Patches](#)
- [Diversity and Inclusion](#)
- [Conventions](#)
- [Screenshot Disclaimer](#)
- [Acronyms and Abbreviations](#)

## Purpose

This manual is designed to help acquaint you with the installation of **Oracle FLEXCUBE Investor Servicing** application.

## Audience

This manual is intended for the following User/User Roles:

**Table 1 Users and Roles**

Users	Roles
Implementation team	Implementation of Oracle FLEXCUBE Investor Servicing
Presales team	Install Oracle FLEXCUBE Investor Servicing for demo purpose
Bank personnel	Who installs Oracle FLEXCUBE Investor Servicing

## Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

## Access to Oracle Support

Oracle customer access to and use of Oracle support services will be pursuant to the terms and conditions specified in their Oracle order for the applicable services.

## Critical Patches

Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at [Critical Patches, Security Alerts and Bulletins](#). All critical patches should be applied in a timely manner to ensure effective security, as strongly recommended by [Oracle Software Security Assurance](#).

## Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

## Conventions

The following text conventions are used in this document:

Convention	Meaning
<b>boldface</b>	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

## Screenshot Disclaimer

Personal information used in the interface or documents is dummy and does not exist in the real world. It is only for reference purposes.

## Acronyms and Abbreviations

The list of the acronyms and abbreviations used are as follows:

**Table 2 Acronyms and Abbreviations**

Abbreviation	Description
<b>FCIS</b>	Oracle FLEXCUBE Investor Servicing
<b>OEM</b>	Oracle Enterprise Manager

**Table 2 (Cont.) Acronyms and Abbreviations**

Abbreviation	Description
<b>EMS</b>	Electronic Messaging Service
<b>EJB</b>	Enterprise Java Bean
<b>MDB</b>	Message Driven Beans

# 1

## Build EAR files

This topic describes the process of building EAR files.

The process of building EAR files includes the following steps:

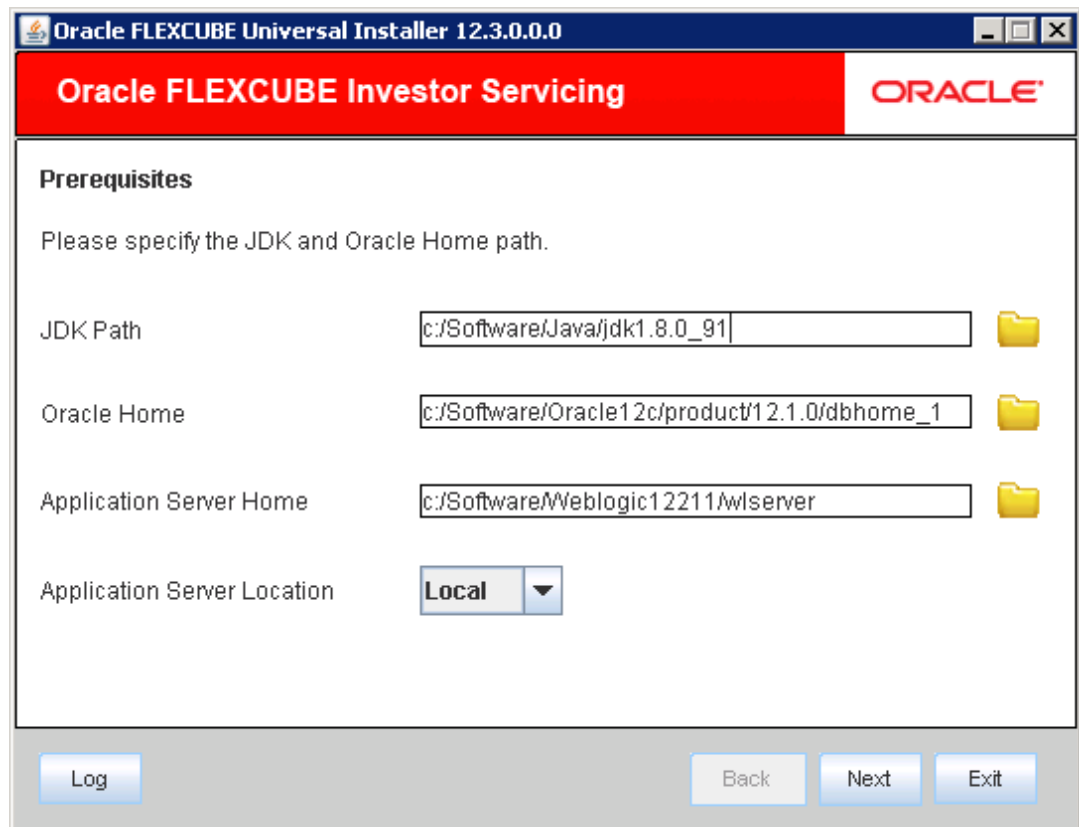
- Load property file
- Copy sources
- Compile sources
- Build sources

Follow the steps given below to build the application for setup using the **Installer**:

1. Double-click **FCUBSInstaller.bat** batch file to start **Oracle FLEXCUBE Universal Installer**.

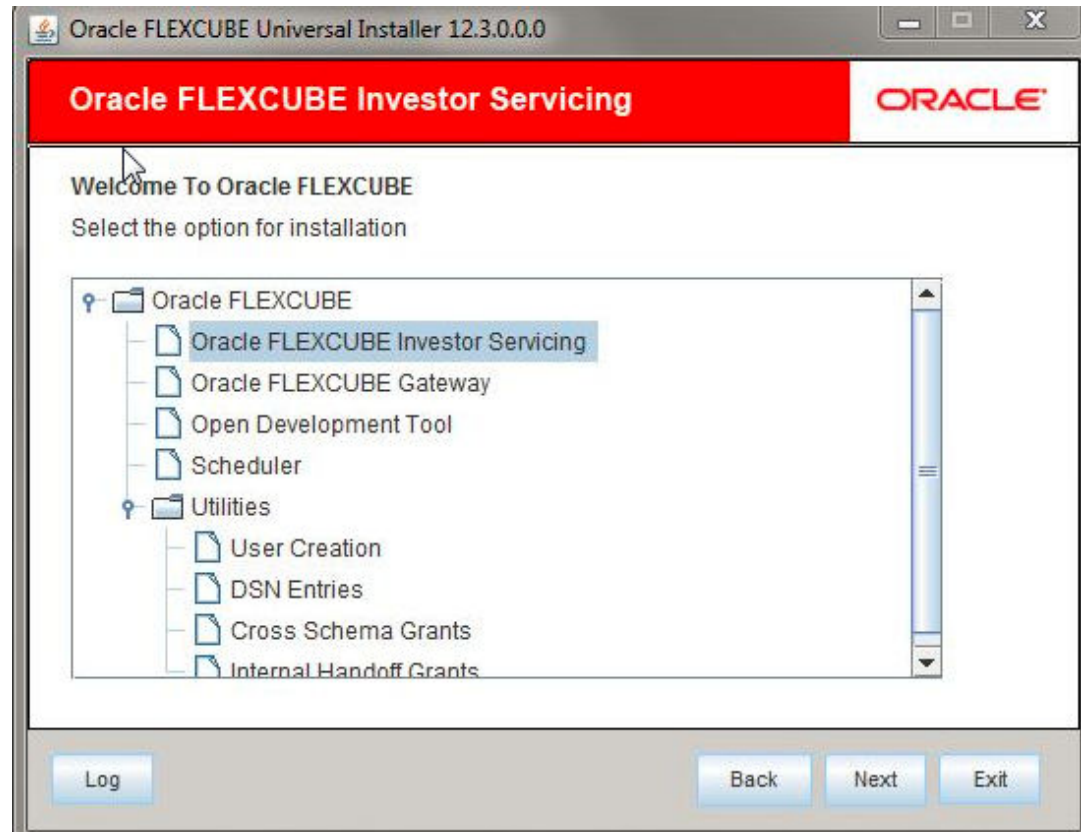
The **Oracle FLEXCUBE Universal Installer** is displayed.

**Figure 1-1 Oracle FLEXCUBE Universal Installer**



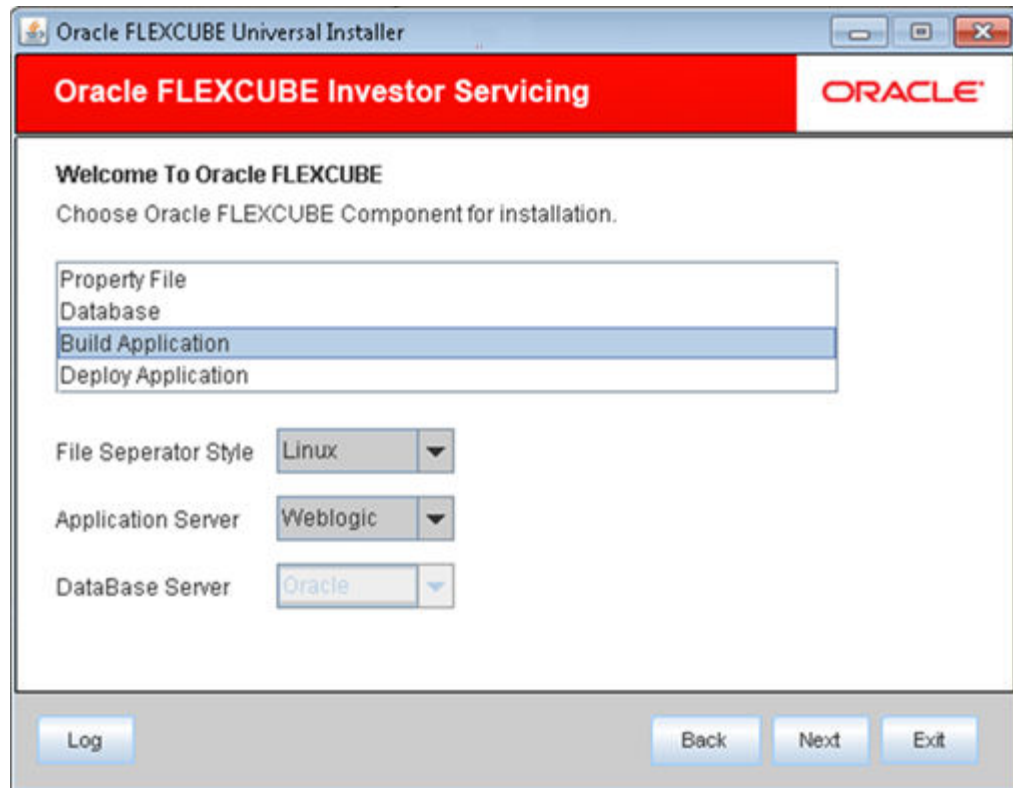
2. Select **Oracle FLEXCUBE Investor Servicing** from the lists of **Oracle FLEXCUBE** options.

The available options for installation are displayed.

**Figure 1-2 Option for Installation**

3. Click **Next** to choose **Oracle FLEXCUBE** component for installation.
4. Choose **Build Application**.



**Figure 1-3 Choose Build Application**

5. Specify **Oracle FLEXCUBE** components for installation.  
Refer to the table for Oracle FLEXCUBE components.

**Table 1-1 Oracle FLEXCUBE components**

Field	Description
<b>Operating System</b>	Specify the operating system in which you are building the Application. Choose the appropriate one from the drop-down list.
<b>Application Server</b>	Specify the application server in which you are building the Application. Choose the appropriate one from the drop-down list.
<b>File Separator Style</b>	Specify the file separator as per the OS.

6. Enter the source path in **FC Home** and specify the SMS schema details for patch installation.

This is the schema on which the DB setup was done earlier. It should be validated and only those versions in FCHOME that are lesser /equal to than version mentioned in the DB will be chosen.

Figure 1-4 SMS Schema Details

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

7. Download the Web-sdk related javascript files for **Oracle Digital Assistant (ODA)** from the link (<https://www.oracle.com/downloads/cloud/amce-downloads.html>).

The web-sdk.js file is downloaded.

8. Place the web-sdk.js file inside **FCIS OSDC folder** location in the path, INFRA\FCJNeoWeb\Web-Content\script\JS.

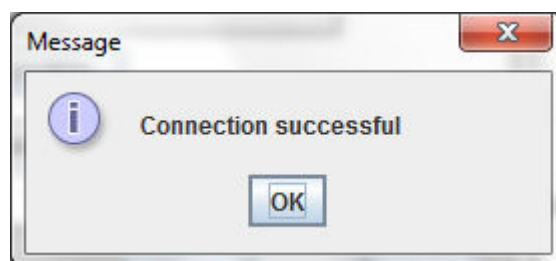
Refer *FCIS Property File Setup* and *FCIS Oracle Digital Assistant Integration Guide* for the detailed information on Chatbot integration and properties.

ODA instances are created and chat server url and channel id are readily available. Now ChatBot needs to be enabled while creating property file for FCIS Application.

9. Click **Test Connection** to test the connection with the Application server.

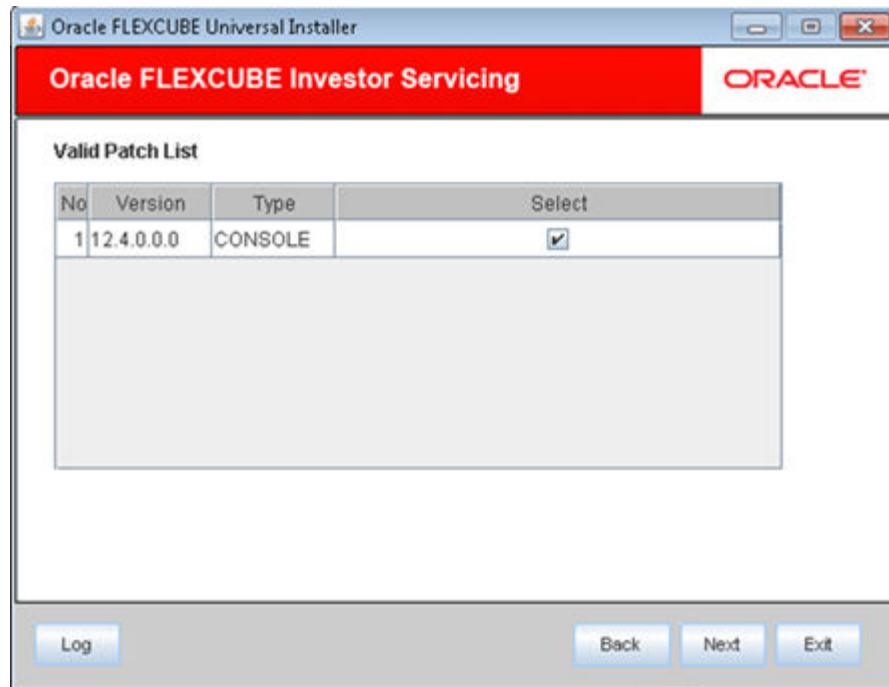
On successful connection, the following message is displayed.

Figure 1-5 Information Message on Successful Connection



10. Click **Next** to specify the patch list details.

Figure 1-6 Valid Patch list



11. On the **Build Process** screen, specify the following details.  
Refer to the Build Process table.

Table 1-2 Build Process

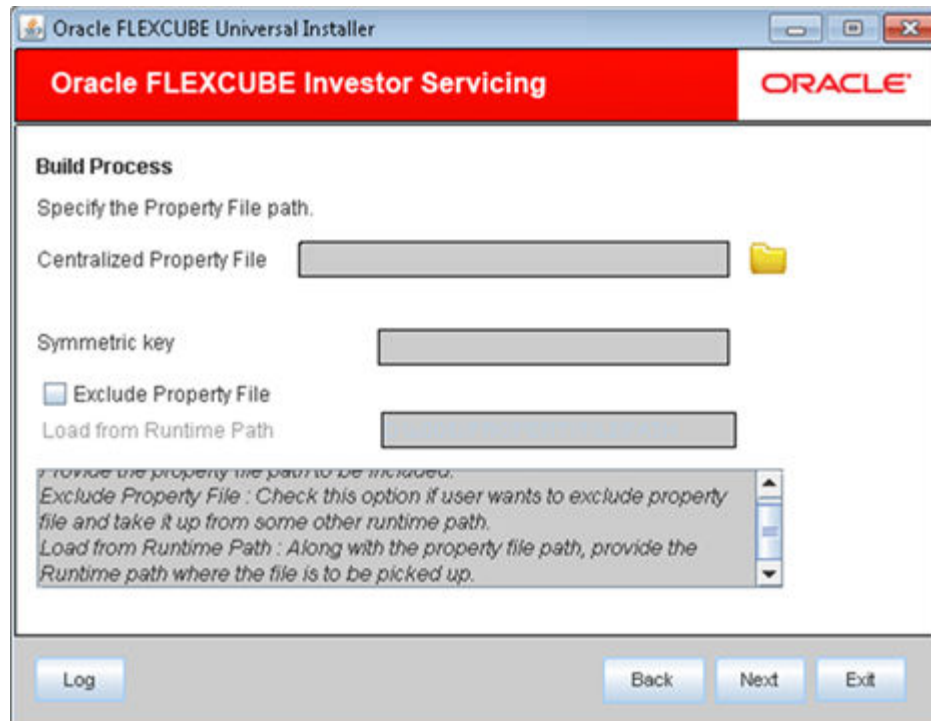
Field	Description
<b>Destination Directory</b>	Specify the destination folder where EAR will be built.
<b>Application Name</b>	Specify the name of the application.
<b>Application Context Neoweb</b>	Specify the NeoWeb context name.
<b>Application Context WebTab</b>	Specify the WebTab context name.

**Figure 1-7 Application and Destination Details**

12. Specify the Property File path.  
Refer to the details of Property File table.

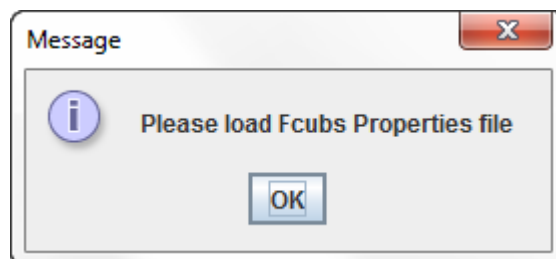
**Table 1-3 Property File**

Field	Description
<b>Centralized Property File</b>	Specify the location of the centralized property file. You can use the <b>Directory</b> button to browse and select the directory. The property file is required for EAR building.
<b>Symmetric Key</b>	Specify the symmetric key details.
<b>Exclude Property File</b>	Check this box to exclude the property file. By checking this box, you can include a property file from the runtime path. If you check this box, you need to specify the location of the property file in the field <b>Load from Runtime Path</b> .
<b>Load from Runtime Path</b>	If you have checked the box <b>Exclude Property File</b> , you need to specify the runtime path from where the Installer will pick up the property file. It is mandatory to load the property file.

**Figure 1-8 Property File Details**

13. Specify the runtime path in the field **Load from Runtime Path**, from where the **Installer** will pick up the property file.

If you do not load a property file, the **Installer** will display the following error message.

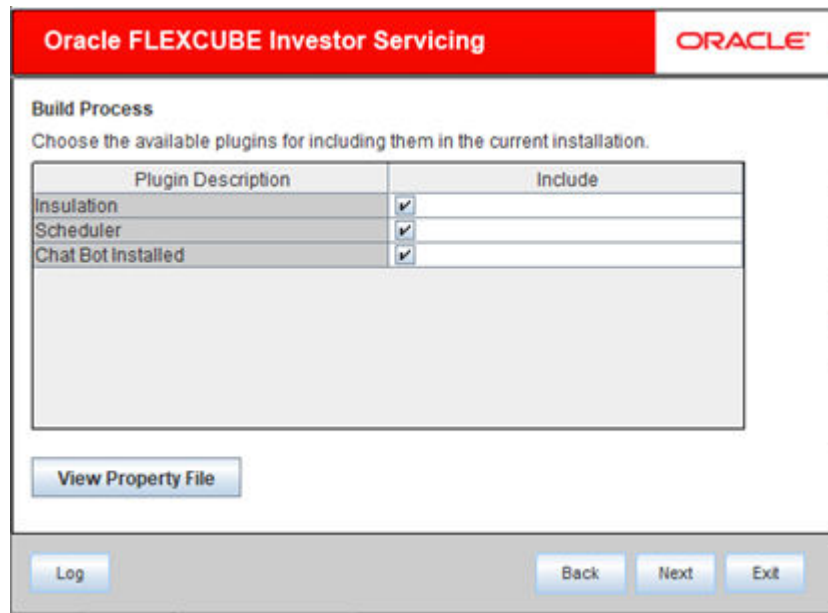
**Figure 1-9 Load Property File Message**

14. Click **Ok** and load the property file to continue.

This is a READ ONLY screen and shows the plugins included in the installation.

Once the property file is loaded, the Plugin screen is displayed.

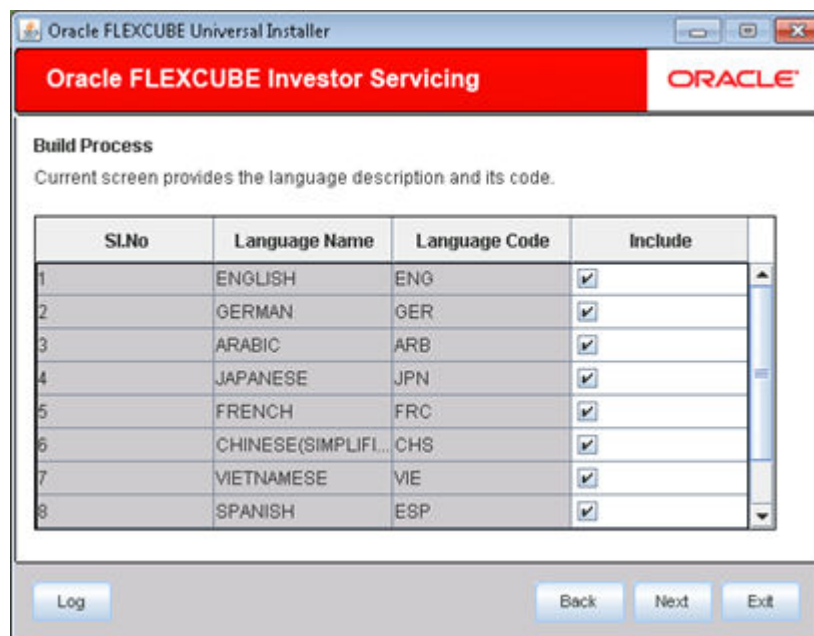
Figure 1-10 Plugin Screen



15. Click **Next** after loading the property file to continue.
16. Select the languages you wish to include in the installation.

The following screen is displayed.

Figure 1-11 Language list during Installation

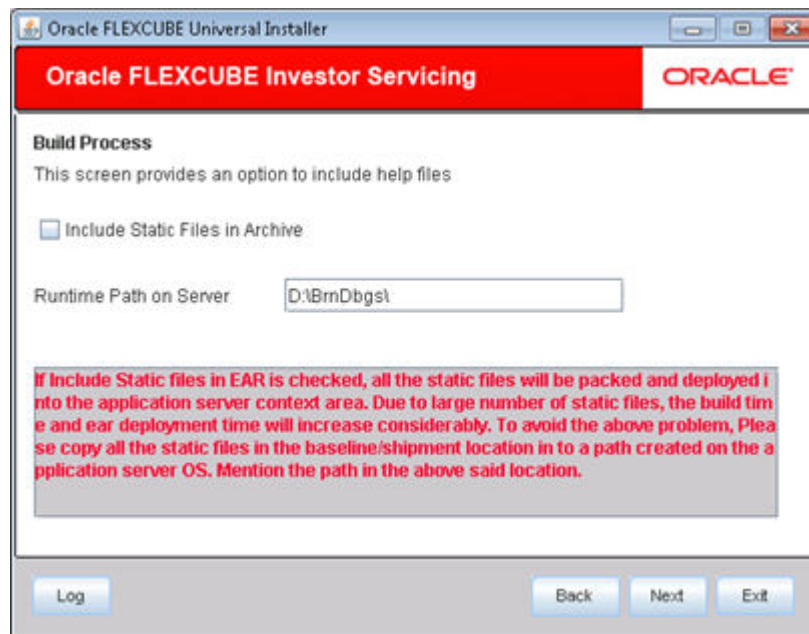


17. Select the **Include Static Files in EAR** to include the static files in EAR file. It can be unselected only for Weblogic Application server. If you do not check this box, the Installer will not include the static files in the EAR file. The files would be consolidated into a folder called **JS\_UIXML** under the destination folder. For details, read the information below.

**Note**

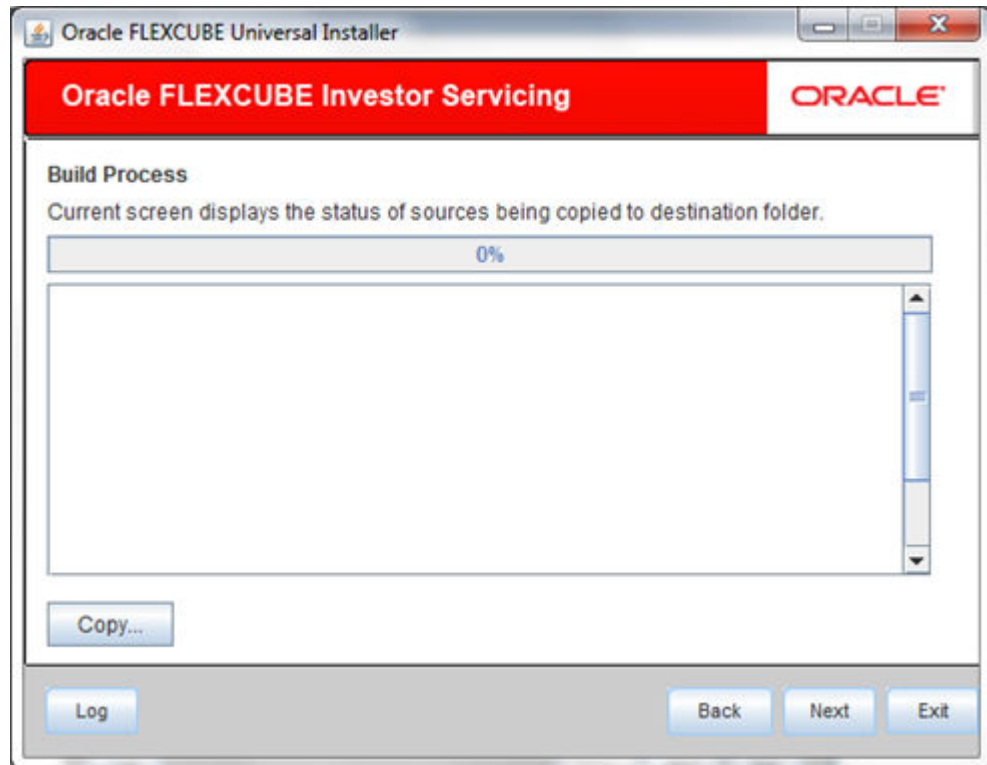
You have to manually copy the static files present in the **JS\_UIXML** folder of the **Destination Directory** mentioned during build process to a specific folder in the Application server. This will reduce the time required for building EAR file. Copy the static files into a specific folder in the application. Later, specify the folder location in the field **Runtime Path on Server**.

**Figure 1-12 Include Static Files**



18. Click **Next**.

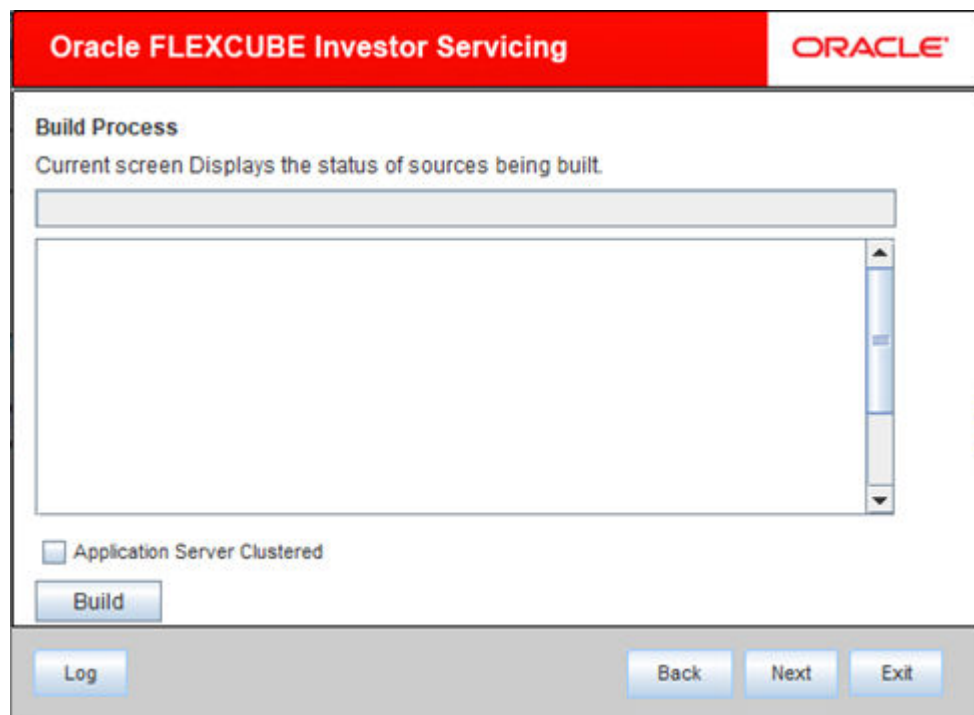
The **Oracle FLEXCUBE Installer** copies the files to the destination folder.

**Figure 1-13 Status of Files being Copied**

19. Click **Copy**.

The **Installer** starts building the EAR/WAR files after the files are copied.

20. Click **Next** and you can view the status of sources being built.

**Figure 1-14 Status of Files being Built**



21. Select the **Application Server Clustered**, if the EAR created is to be deployed in an application server running in a clustered mode.

If the EAR created is to be deployed in the SOA enabled Application server then check box needs to be checked.

22. The **Installer** creates the EAR/WAR files in the **Destination Directory**.

The EAR file will be available in the selected EAR file location (**Destination Directory**) after the successful build process.

23. If you have opted for BPEL, then FCBPELCIS.jar file will also be available in the EAR file location. In case of decentralized or hybrid setup, EAR files for the Host and WAR file for the Branch will be available in EAR file location.