

Oracle® FLEXCUBE Investor Servicing

ODT EAR Building



Release 14.7.6.0.0
G30396-01

ORACLE®

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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

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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
boldface	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.
<code>monospace</code>	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
FCIS	Oracle FLEXCUBE Investor Servicing
OEM	Oracle Enterprise Manager

Table 2 (Cont.) Acronyms and Abbreviations

Abbreviation	Description
EMS	Electronic Messaging Service
EJB	Enterprise Java Bean
MDB	Message Driven Beans

1

Build EAR Files

This topic explains the creation of .war file using ODT and setting up database for ODT installation.

Create the following property file before building the application.

This topic contains the following sub-topic:

- [Set up Open Development Tool](#)
This topic explains the steps to set up the Open Development Tool Application.

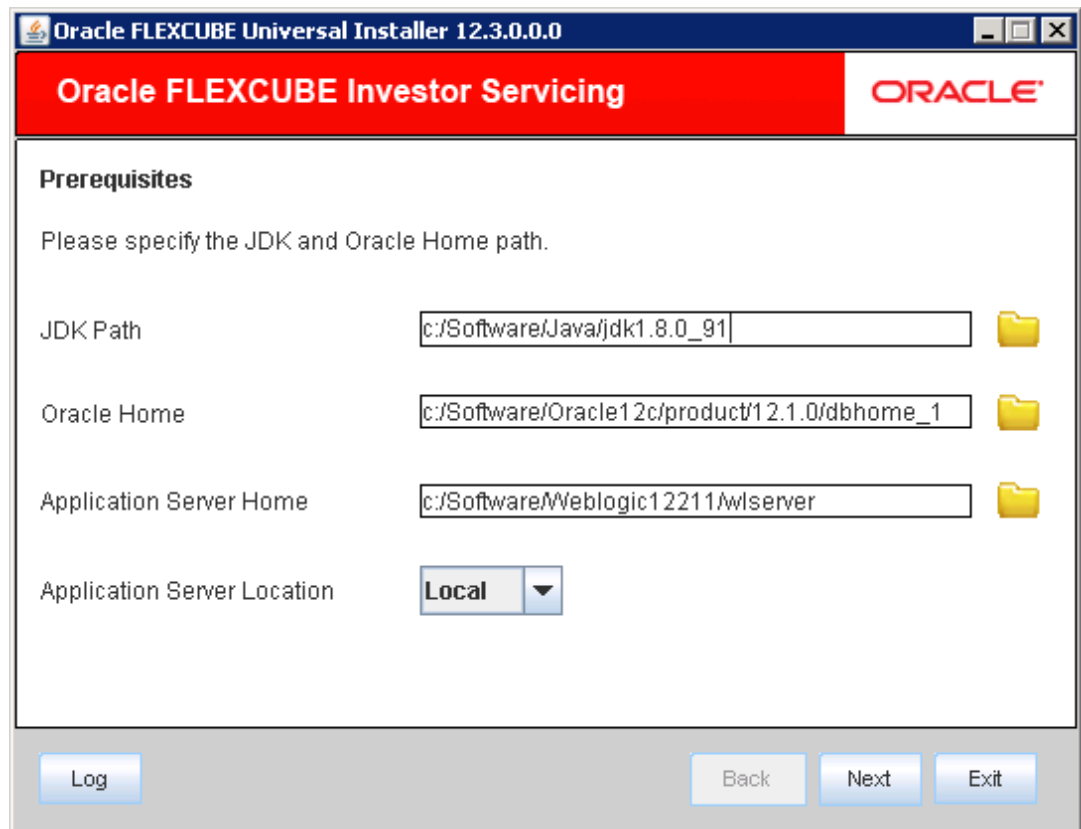
1.1 Set up Open Development Tool

This topic explains the steps to set up the Open Development Tool Application.

1. Start **Oracle FLEXCUBE Universal Installer**.

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

Figure 1-1 Oracle FLEXCUBE Universal Installer



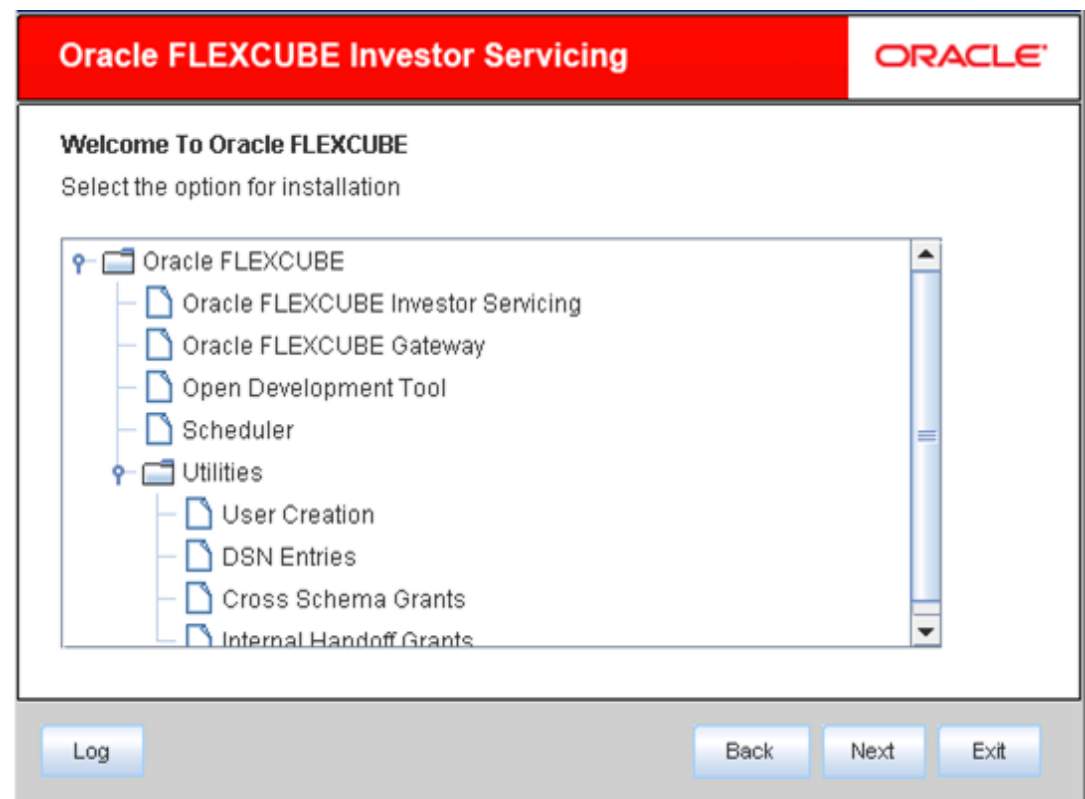
2. On **Oracle FLEXCUBE Universal Installer** screen, enter the following details.
Refer to the table for JDK and Oracle Home path.

Table 1-1 JDK and Oracle Home path

Field	Description
JDK Path	Provide Home folder path of JDK1.8.
Oracle Home	Provide home folder path of Oracle Client or Database.
Application Server Home	Provide home folder path of Application Server.
Application Server Location	Select location of the application server either local or remote.

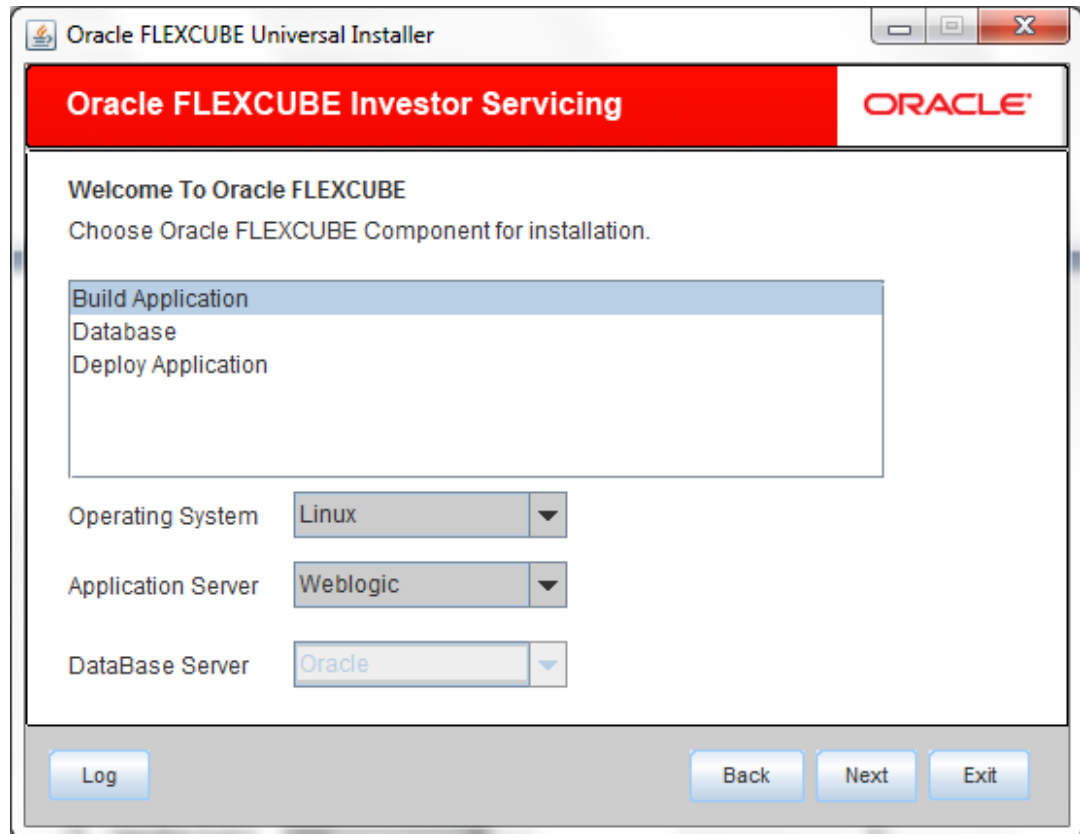
3. Click **Next** to select the option for installation.
4. Select **Open Development Tool** from the lists of **Oracle FLEXCUBE** options.
The available options for installation are displayed.

Figure 1-2 Oracle FLEXCUBE_Open Development Tool



5. Click **Next** to choose **Oracle FLEXCUBE** component for installation.
6. Select **Build Application**.
The available options **Property File**, **Database**, **Build Application**, and **Deploy Application** are displayed.

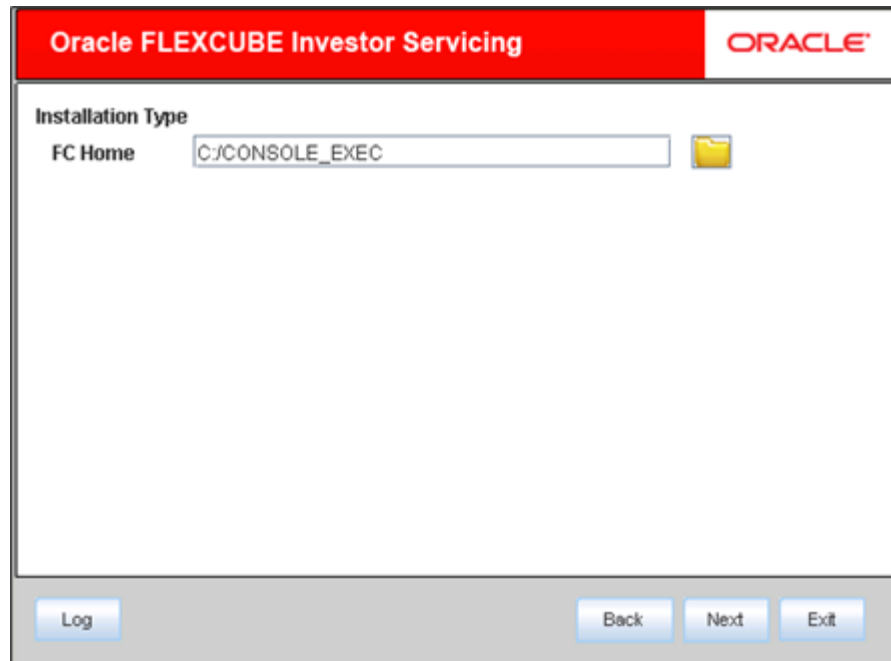
Figure 1-3 Build Application



7. Specify the operating system in which you are creating the property file. Choose the appropriate one from the drop-down list.
8. Specify the application server in which you are creating the property file. Choose the appropriate one from the drop-down list.
9. Specify the database server in which you are creating the property file. Choose the appropriate one from the drop-down list.
10. Specify the FC Home details and click **Next**.

The following screen is displayed.

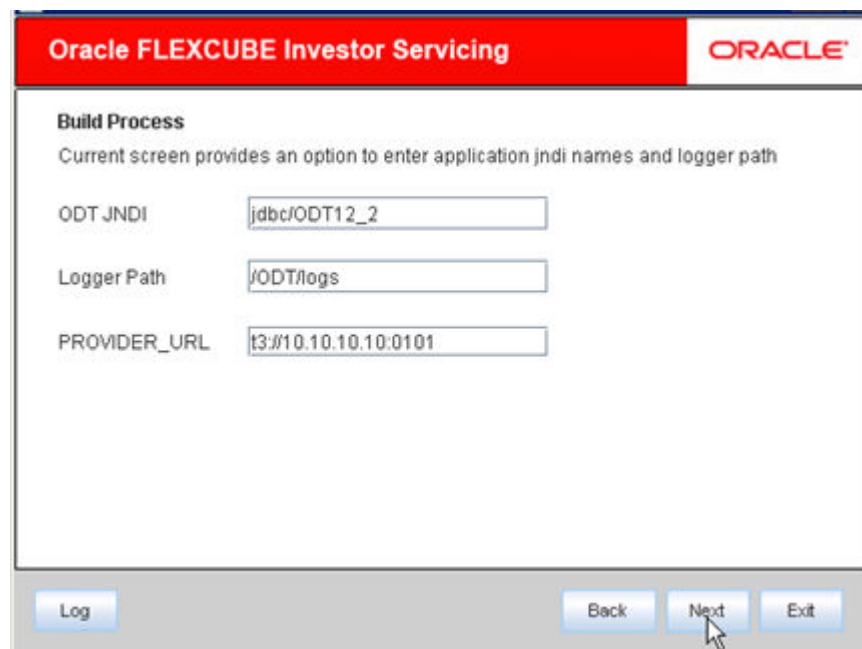
Figure 1-4 FC Home



The screenshot shows the 'Oracle FLEXCUBE Investor Servicing' application window. The title bar is red with the Oracle logo on the right. The main content area is titled 'Installation Type' and contains a label 'FC Home' followed by a text input field containing 'C:\CONSOLE_EXEC' and a folder icon. At the bottom, there is a grey bar with four buttons: 'Log', 'Back', 'Next', and 'Exit'.

11. Select the console type and click **Next**.
The following screen is displayed.

Figure 1-5 Application JNDI Name



The screenshot shows the 'Oracle FLEXCUBE Investor Servicing' application window. The title bar is red with the Oracle logo on the right. The main content area is titled 'Build Process' and contains the text 'Current screen provides an option to enter application jndi names and logger path'. Below this, there are three text input fields: 'ODT JNDI' with the value 'jdbc/ODT12_2', 'Logger Path' with the value '/ODT/logs', and 'PROVIDER_URL' with the value 't3://10.10.10.10:0101'. At the bottom, there is a grey bar with four buttons: 'Log', 'Back', 'Next', and 'Exit'. A mouse cursor is pointing at the 'Next' button.

12. Specify the following details:
 - a. **ODT JNDI:** Specify the JNDI for the ODT.
 - b. **Logger Path:** Specify the path where the logs have to be written.

- c. **Provider_URL**: Specify the provider URL.
13. In this screen, you are provided with an option to enable **Single Sign On**.

Figure 1-6 Single Sign On Details

Oracle FLEXCUBE Investor Servicing **ORACLE**

Property File Creation
Current screen provides an option for Enabling Single Sign on

SSO Required ☐

SSO KEY

Authentication details maintained external to FLEXCUBE

External Password Required ☐ Authentication Type

External User Login Required ☐

Single sign-on (SSO) is a property of access control of multiple related, but independent software systems. With this property a user logs in once and gains access to all systems without being prompted to log in again at each of them. Conversely, Single sign-off is the property whereby a single action of signing out terminates access to multiple software systems. This screen provides an option for External Authentication. If External Authentication is not required, keep the

14. On **Single Sign On** screen, enter the following details.
Refer to the table for Single Sign On details.

Table 1-2 Single Sign On details

Field	Description
SSO Required	Check this box to enable Single Sign On (SSO) . If you check this box, you need to enter the SSO Key.
SSO KEY	Specify the SSO key. If you have checked the box SSO Required , it is mandatory to specify the SSO key.

15. Select the **External Password Required** to allow the user login using MSAD/LDAP password irrespective of the user ID. This option is unchecked by default.
If you check this box, the user ID can be either the MSAD/LDAP user ID or the FCIS user ID. And the password can be MSAD/LDAP server password only.

Figure 1-7 Authentication Details maintained external to FLEXCUBE



16. Select the **External User Login Required** to enable user login using MSAD/LDAP user ID.

If you check this box, the user can log in using MSAD/LDAP server user ID as well as FCIS user ID.

17. Select the **Authentication Type** from the adjoining drop-down list. This is the type of external server that is used.

The following options are available:

- **Microsoft Active Directory (MSAD)** The default option is **MSAD**. However, you can change it.
- **Lightweight Directory Access Protocol (LDAP)**

Figure 1-8 Authentication Type

Oracle FLEXCUBE Investor Servicing **ORACLE**

Property File Creation

Current screen provides an option for Enabling Single Sign on

SSO Required ☐

SSO KEY

Authentication details maintained external to FLEXCUBE

External Password Required ☒ Authentication Type: **LDAP**

External User Login Required ☐

Single sign-on (SSO) is a property of access control of multiple related, but independent software systems. With this property a user logs in once and gains access to all systems without being prompted to log in again at each of them. Conversely, Single sign-off is the property whereby a single action of signing out terminates access to multiple software systems. This screen provides an option for External Authentication. If External Authentication is not required, keep the

Log Back Next Exit

18. Choose the **Authentication Type** as **LDAP** and click **Next**.
The LDAP server details screen is displayed.

Figure 1-9 LDAP Server Details

Oracle FLEXCUBE Investor Servicing **ORACLE**

Property File Creation

LDAP Server Details

No.	Name	Value
1	LDAP SERVER URL	LDAP://10.10.10.10:111
2	LDAP SSL ENABLED	<input type="checkbox"/>
3	SECURITY AUTHENTICAT...	Simple
4	DOMAIN NAME	I-FLEX.COM
5	LDAP SERVER TIMEOUT	0

Log Back Next Exit

19. On **LDAP Server Details** screen, enter the following details.
Refer to the table for LDAP Server details.

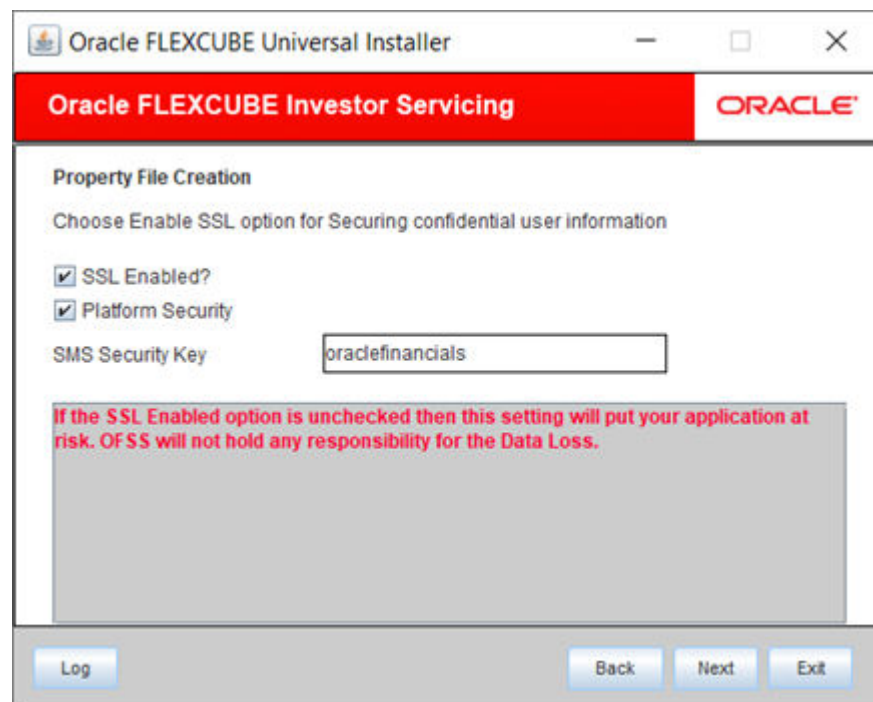
Table 1-3 LDAP Server details

Field	Description
LDAP Server URL	Specify the URL to access the LDAP server where the external user Ids or passwords are maintained.
LDAP SSL Enabled	Check this box if the LDAP server is SSL enabled. Note: If you check this box, then you need to specify the SSL port in the field LDAP SERVER URL .
Security Authentication Type	Depending on the authentication mechanism supported by the LDAP server, you need to select one of the following: <ul style="list-style-type: none"> • Simple • Strong Note: Different servers support different authentication mechanisms. By default, the security authentication type is Simple ; however, you can change it.
Domain Name	Specify the domain name.
LDAP Server Timeout	Specify the LDAP server timeout in milliseconds. Note: <ul style="list-style-type: none"> • By default, the LDAP server timeout is zero; however, you can change this. • You must enter a positive integer value. For example, 1000, 10000, 5000, etc., • If the value specified is zero or less, it indicates that no read timeout is specified. Then, the wait for the response infinite until it is received.

20. Click **Next** after the LDAP server details are specified.

The following screen is displayed.

Figure 1-10 Enable SSL for Securing Confidential User Information



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

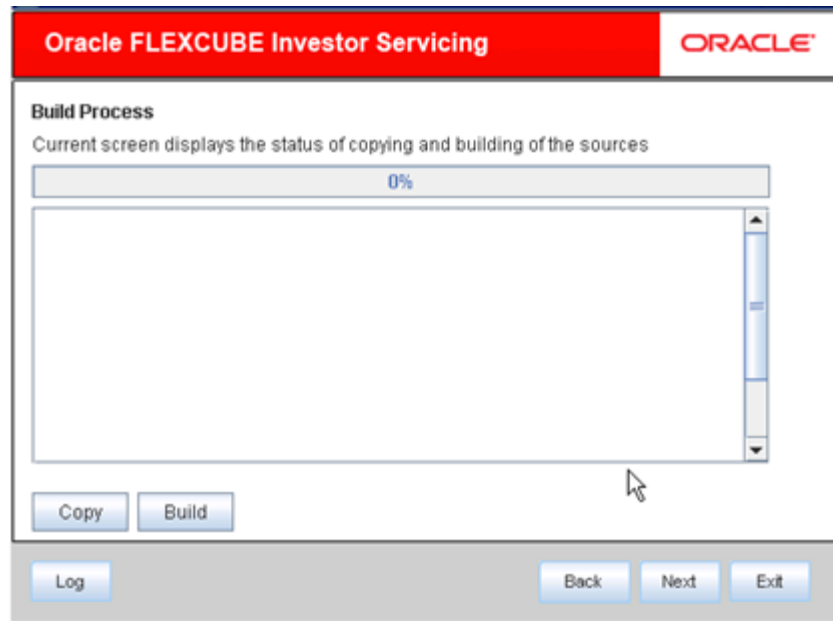
Table 1-4 Build Process

Field	Description
Destination Directory	Specify the destination folder where EAR will be built.
Application Name	Specify the name of the application.

Figure 1-11 Application and Destination Details

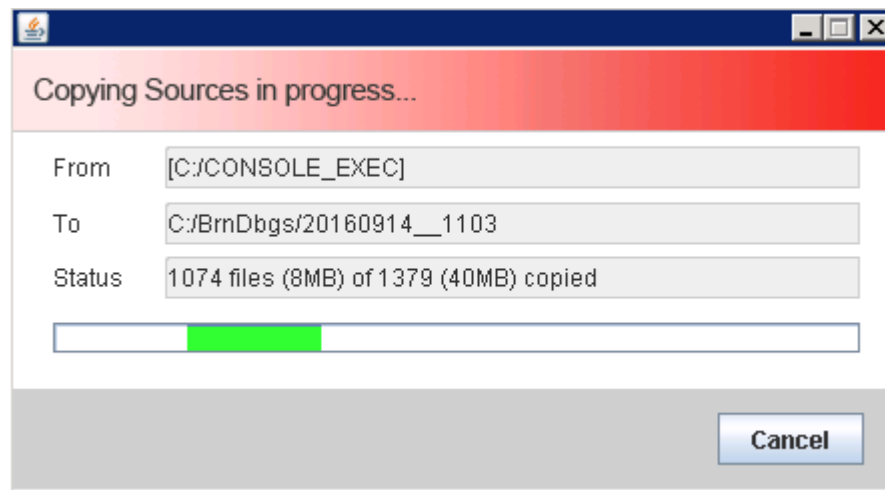
22. Click **Next** to view the status of sources being copied.
The following screen is displayed.

Figure 1-12 Status of sources being Copied



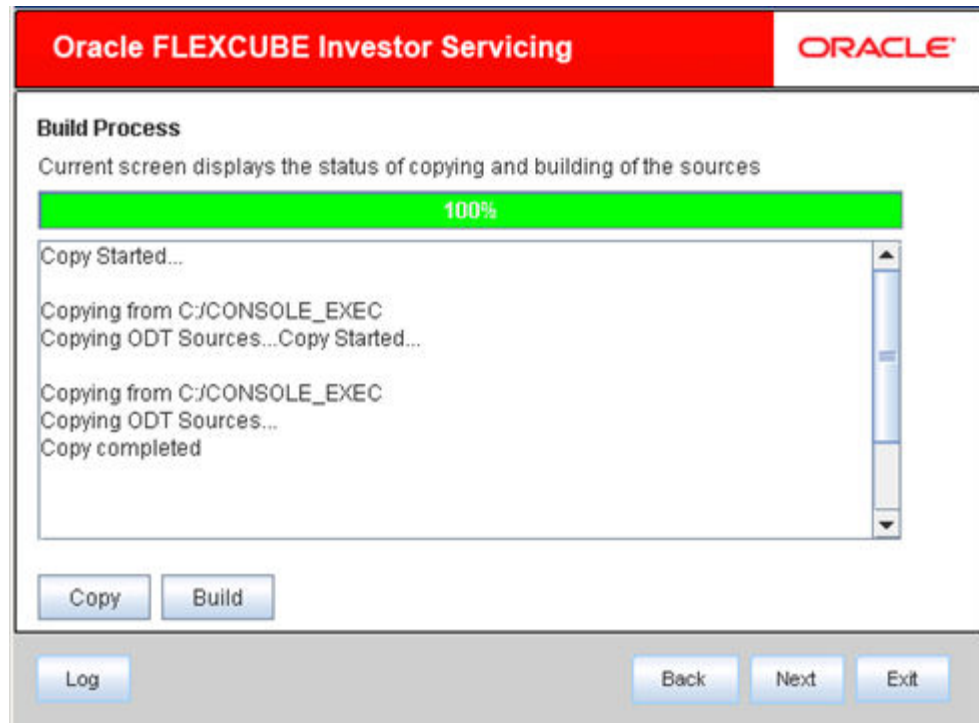
23. Click **Copy** button.
The installer copies the files.

Figure 1-13 Click Copy



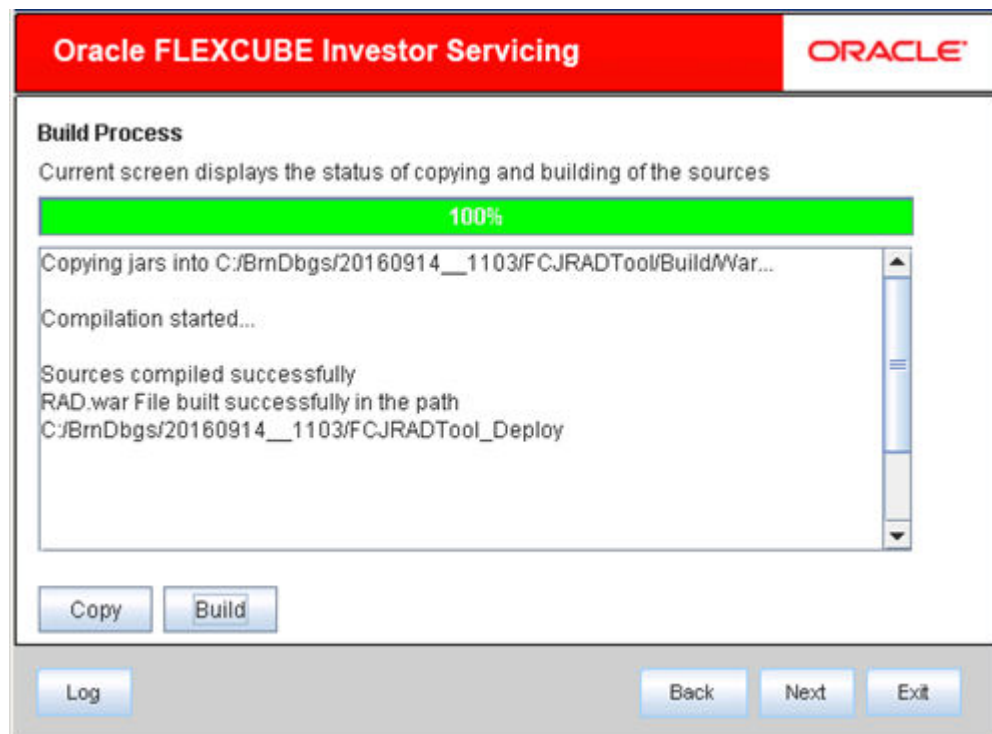
24. Click **Next** to view the status of sources being built.
The following screen is displayed.

Figure 1-14 Status of sources being Copied



25. Click **Build** button to start the build process.
The installer builds the source files.

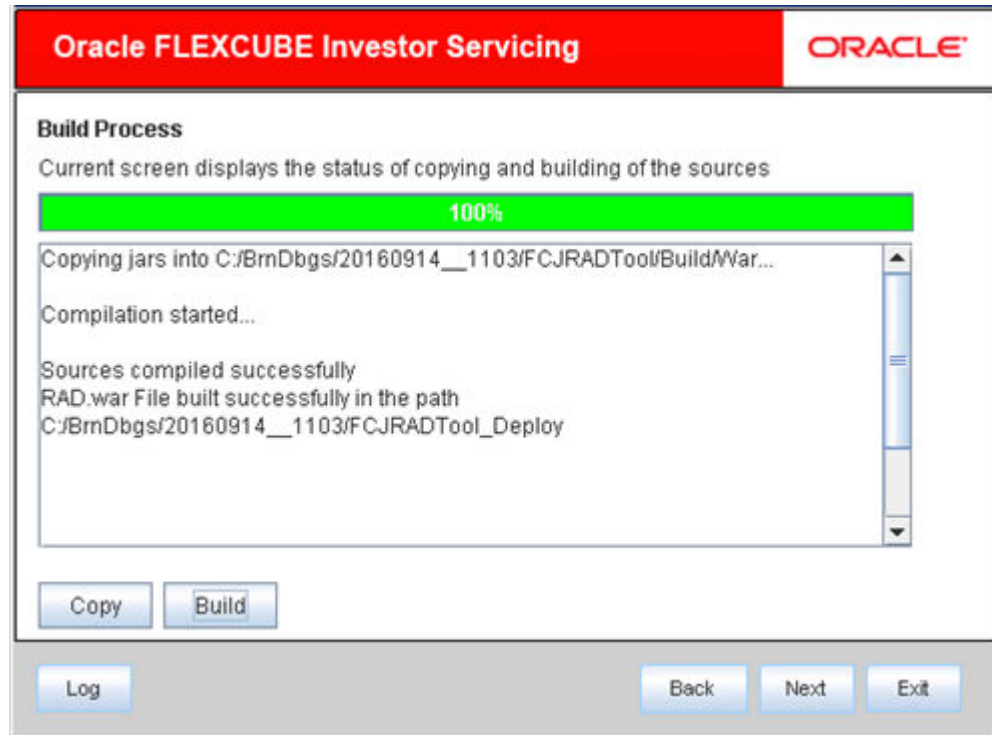
Figure 1-15 Status of sources being Built



26. Click **Ok**.

The following screen is displayed.

Figure 1-16 Status of sources being Built



This completes the file generation process using ODT.