

Oracle® FLEXCUBE Investor Servicing FCIS Application Deployment in Weblogic



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Contents

Preface

Purpose	iv
Audience	iv
Documentation Accessibility	iv
Critical Patches	v
Diversity and Inclusion	v
Conventions	v
Screenshot Disclaimer	v
Acronyms and Abbreviations	v

1 FCIS Application Deployment

1.1 FCIS Application Full Deployment	1-1
1.2 FCIS Application Partial Deployment	1-12

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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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
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

FCIS Application Deployment

This topic describes the steps to install **FCIS** Application into Weblogic Server in full and partial deployment modes.

Refer to the topic *FCIS Manual Deployment WL* to install jersey-bundle before deployment of **FCIS** application.

This topic contains the following sub-topics:

- [FCIS Application Full Deployment](#)
This topic describes the steps to deploy Oracle FLEXCUBE Investor Servicing application into WebLogic server in full deployment mode.
- [FCIS Application Partial Deployment](#)
This topic describes steps to install FCIS application into weblogic server in partial deployment mode.

1.1 FCIS Application Full Deployment

This topic describes the steps to deploy Oracle FLEXCUBE Investor Servicing application into WebLogic server in full deployment mode.

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.

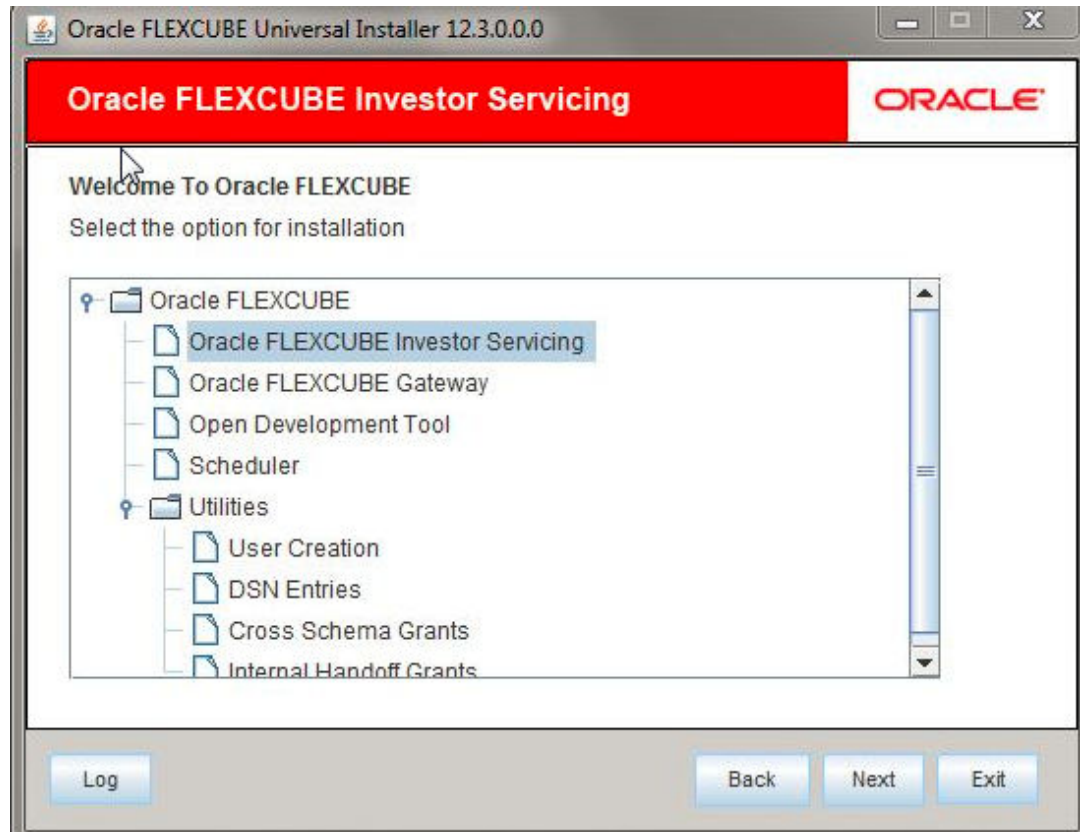
Table 1-1 JDK and Oracle Home path

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

The available options for installation are displayed.

Figure 1-2 Option for Installation

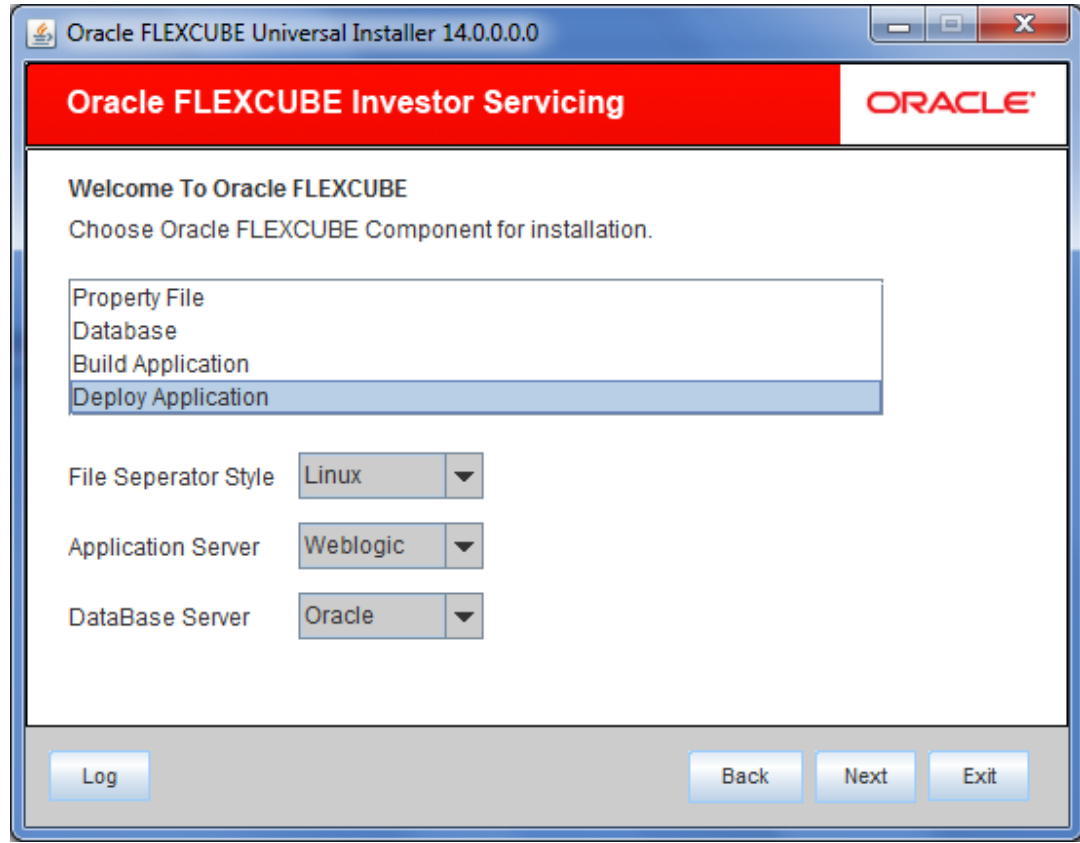


5. Click **Next** to choose **Oracle FLEXCUBE** component for installation.

6. Select **Deploy Application**.

The available options **Property File**, **Database**, **Build Application**, and **Deploy Application** are displayed.

Figure 1-3 Oracle FLEXCUBE Component for Installation in Full Deployment



7. Select the appropriate operating system from the **File Separator Style** drop-down.
8. Choose **Weblogic** from the **Application Server** drop-down.
9. Select **Oracle** from the **DataBase Server** drop-down and click **Next**.
10. Specify Server details to connect to the server and click **Next**.

Refer to the table for server details.

Table 1-2 Server details

Field	Description
Admin IP	Provide host address of Admin server.
Admin Port	Provide port number of Weblogic server.
Admin UserName	Provide the appropriate Admin Username of the Weblogic Application server.
Admin Password	Provide the appropriate Admin Password of the Weblogic Application server.
Type of Deployment	Choose Full Deployment .

The following screen is displayed.

Figure 1-4 Server Details for Full Deployment

Name	Value
Admin IP	10.10.10.10
Admin Port	1111
Admin Username	<user_name>
Server Admin Password	••••••••

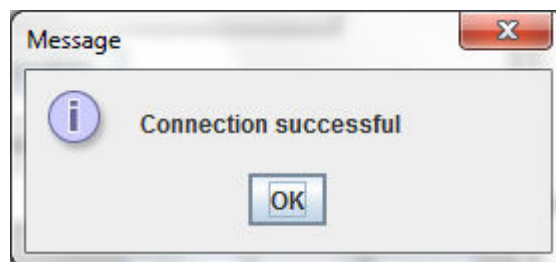
Test Connection

Type of Deployment: Full Deployment

Log Back Next Exit

- 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



- Click **Ok** and click **Next** in the installer.
The following screen is displayed.

Figure 1-6 Application Details for Full Deployment

13. Specify Application details to deploy the EAR.

Refer to the table for Application details.

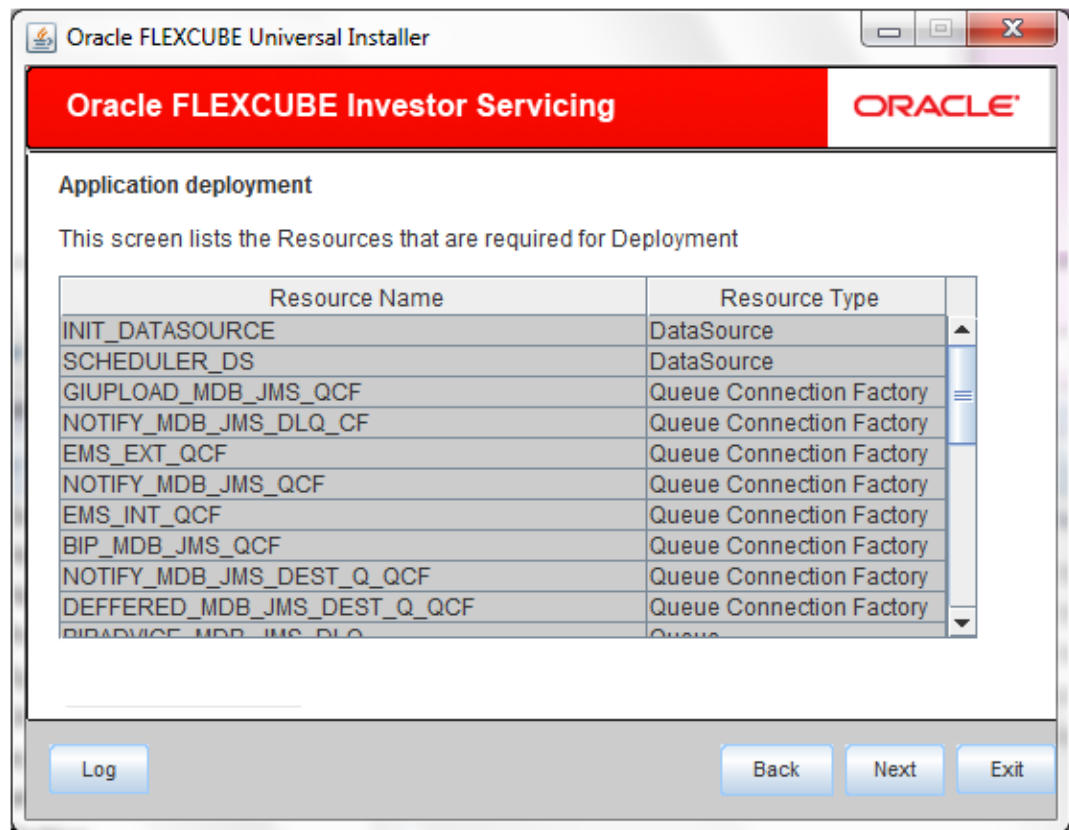
Table 1-3 Application details

Field	Description
EAR Path	Select the application EAR to be deployed using the browse button. Note: The Application EAR path cannot be copied and pasted on to the text box, thereby demanding the use of the Browse button to select the EAR.
Property File Path	Select the appropriate path to the external properties file. If the properties file is internal to the application EAR, it would be fetched on selection of the EAR and will be in a non-editable state.
Application Name	Selection of the EAR would fetch the Application Name and it will be in a non-editable state.
Application Context	Selection of the EAR would fetch the Application Context and it will be in a non-editable state.
Adapter Library Path	Selection of the EAR would fetch the Application Library Path and it will be in a non-editable state.
Manage Resources	Select this box if resources are to be created along with deployment.

14. Click **Next**. If **Manage Resources** is not checked, you can continue to provide Server Environment details for deployment.
15. Select **Manage Resources** box if resources are to be created along with deployment.

The screen provides a read only list of resources.

Figure 1-7 Resources lists



16. Specify the resource details that are required for deployment.

Refer to the table for resource details.

Table 1-4 Resource details

Field	Description
Resource ID	Specify Resource ID . Also, you can select the resource from a list of data sources maintained and update the details.
DataSource Driver	Specify the JDBC driver URL with which the connection is to be established. Ex: oracle.jdbc.OracleDriver for Non-XA datasources
DataSource Type	Specify the type of datasource that is to be created, XA or Non-XA.
Schema Username	Specify the username of the schema to which the connection is to be established.
Schema Password	Specify the password of the schema.
IP Address	Specify the host address of the schema.
Port Number	Specify the port number of schema.
Service Name	Specify the service name of schema.
Initial Capacity	It is the number of physical connections that can be created when creating the connection pool in the data source

Table 1-4 (Cont.) Resource details

Field	Description
Maximum Capacity	The maximum number of physical connections that this connection pool can contain.
Capacity Increment	The increment by which this JDBC connection pool's capacity is expanded.
Shrink Frequency	The number of seconds to wait before shrinking a connection pool that has incrementally increased to meet demand.
Connection Reserve Timeout	The number of seconds after which a call to reserve a connection from the connection pool will timeout.

17. Click **Test Connection** to establish connection with required details provided in the table against corresponding value of **Resource ID**.
18. Click **Save Changes** to save the values provided in the table against corresponding value of **Resource ID**.
19. Select **Modify JDBC Url** to modify the provided JDBC url.
If **Modify JDBC Url** is selected, the following screen is displayed.

Figure 1-8 JDBC Url

Oracle FLEXCUBE Universal Installer

Oracle FLEXCUBE Investor Servicing ORACLE

JDBC Url
JDBC url to get connected to the Application server

Resource ID

jdbc:oracle:thin:@10.10.10.10:1234:Test

Test Connection Save Changes

Log Back Next Exit

20. Specify **Resource ID** and click **Test Connection** to check the connection using the changed Url. If the Url changed is correct, then the successful connection will be made. Click **Save Changes** to save the changed JDBC Url.

Resource ID: It provides the list of all the datasources created. Select the data source for which the **JDBC Url** needs to be modified.

Note: The **JDBC Url** generated from the previous screen will be displayed here. If the user wants to change the **JDBC Url**, it can be changed in the current screen.

21. Click **Next** after the resource details are updated.

The following screen is displayed.

Figure 1-9 Resource Details Update

S.No.	Property Name	Property Value
1	DataSource Driver	oracle.jdbc.OracleDriver
2	DataSource Type	INIT_DATASOURCE
3	Schema UserName	abc
4	Schema PAssword	...
5	IP Address	
6	Port Number	1522
7	Service Name	avast1
8	Initial Capacity	15

22. Specify Server Environment details for deployment.

The **Domain Name** shows the weblogic domain name.

23. On Server Environment details screen, click **Get Details** button.

The list of available servers are displayed. Atleast, one server should be selected to proceed.

Figure 1-10 Server Environment Details for Full Deployment

Oracle FLEXCUBE Universal Installer

Oracle FLEXCUBE Investor Servicing ORACLE®

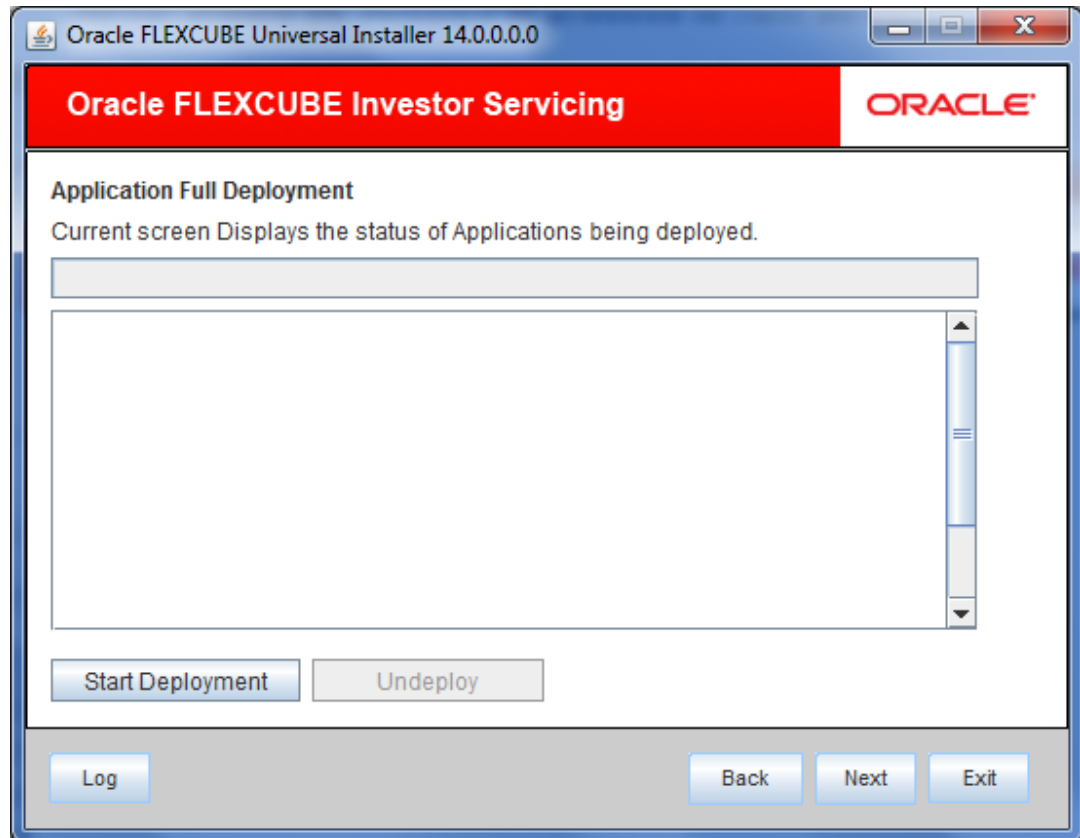
Application Full Deployment
Specify Server environment details for deployment

Domain Name

S.No.	Server Name	Deploy
1	AdminServer	☐
2	ManagedServer	☐
3	ClusterTest	☐
4	AVAST	☐

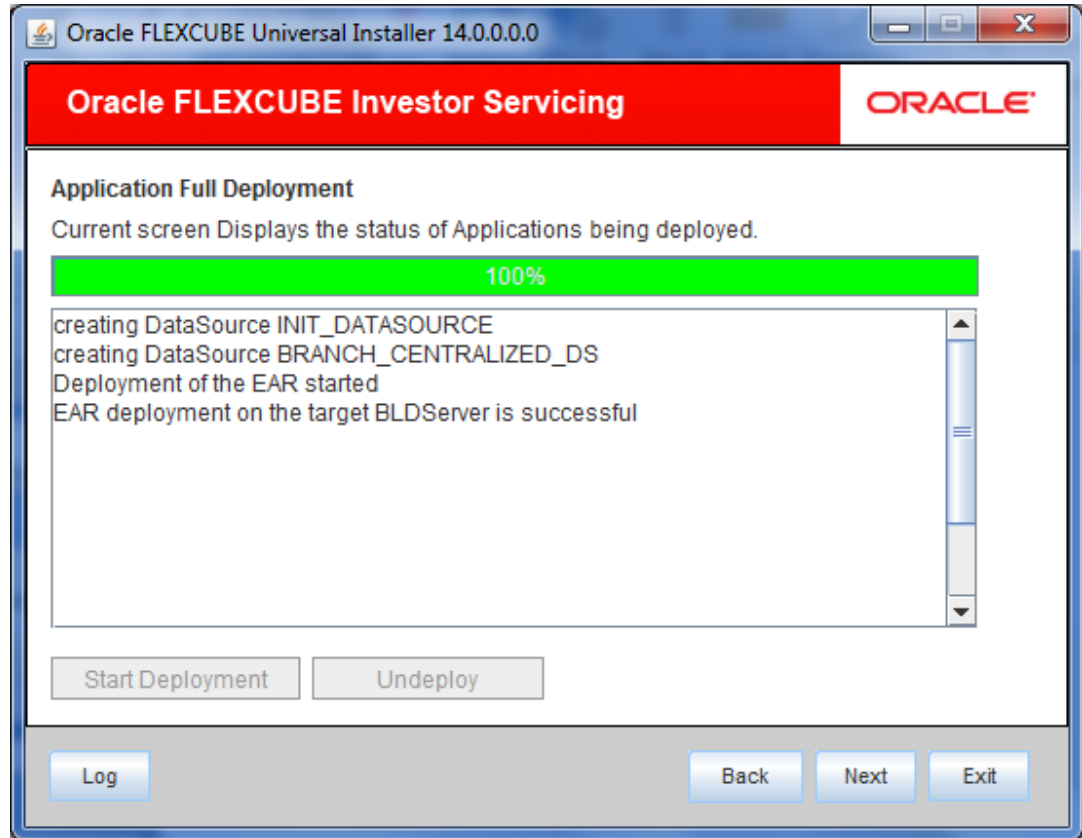
24. Click **Next** after the server environment details are specified.
The following screen is displayed.

Figure 1-11 Application Deployment Status for Full Deployment



25. Click **Start Deployment** to start the process of application deployment.
The following screen displays the status of Applications being deployed.

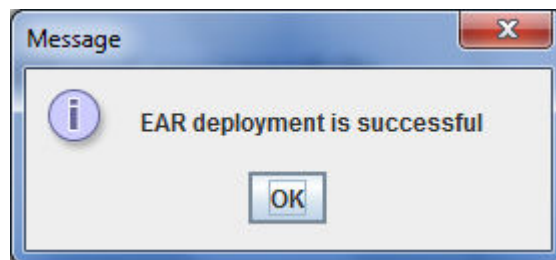
Figure 1-12 Start Application Full Deployment



26. You can view the information message on successful deployment and click **Ok** in the **Message** window.

The following **Message** window is displayed.

Figure 1-13 EAR Deployment Message



27. Click **Undeploy** button for undeploying the partially deployed EAR from the server.
If the deployment is not successful, the **Undeploy** button will be enabled in the **Application Deployment** status screen.

1.2 FCIS Application Partial Deployment

This topic describes steps to install FCIS application into weblogic server in partial deployment mode.

1. Launch **Oracle FLEXCUBE Universal Installer**.

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

Figure 1-14 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.

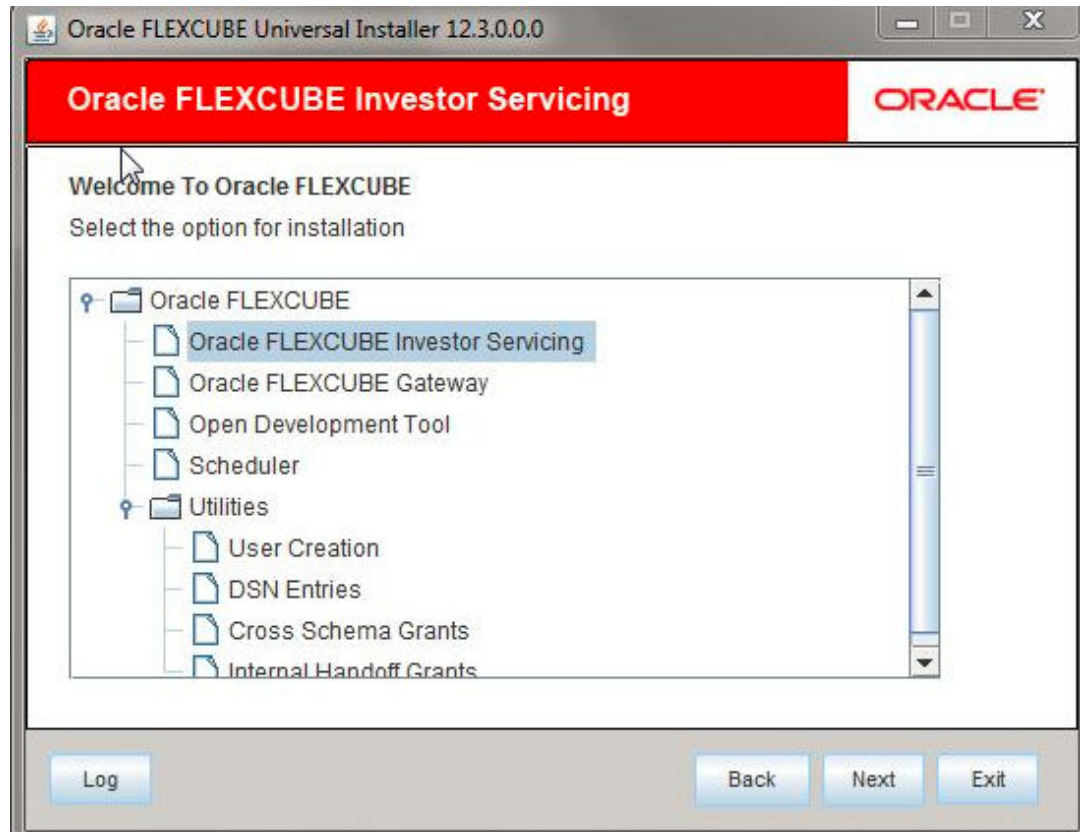
Table 1-5 JDK and Oracle Home path

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

The available options for installation are displayed.

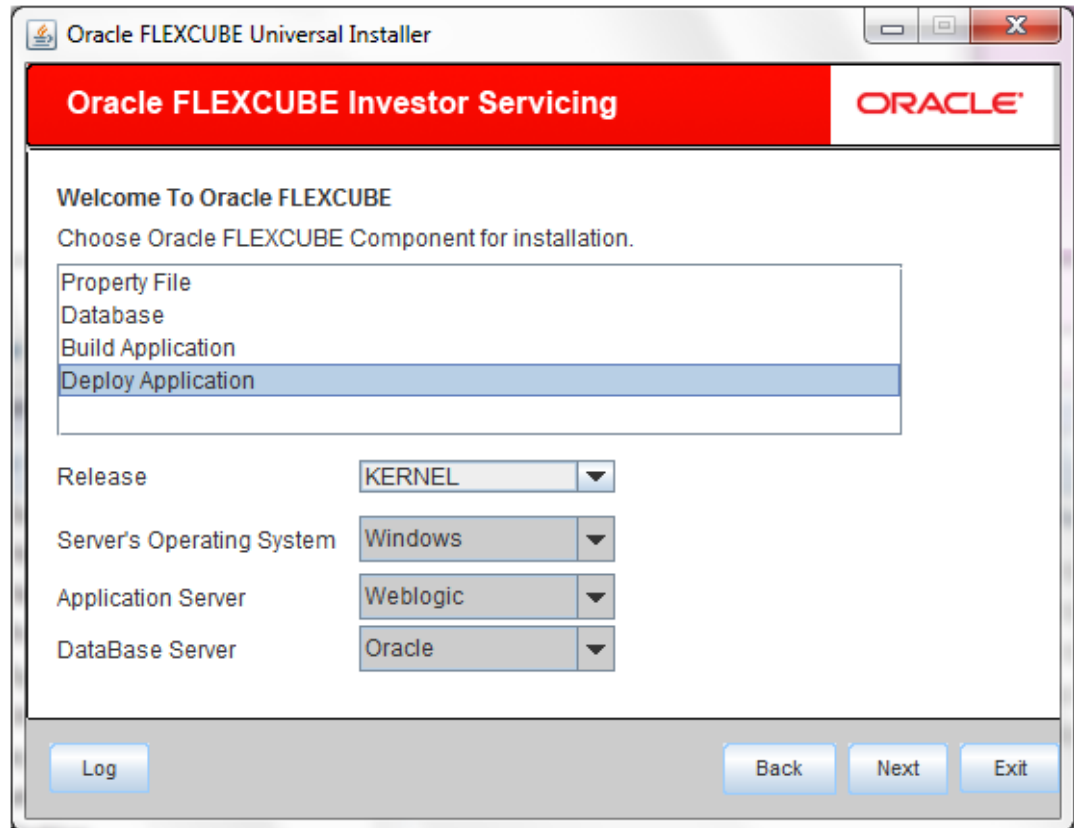
Figure 1-15 Option for Installation



5. Click **Next** to choose **Oracle FLEXCUBE** component for installation.
6. Select **Deploy Application**.

The available options **Property File**, **Database**, **Build Application**, and **Deploy Application** are displayed.

Figure 1-16 Oracle FLEXCUBE Component for Installation in Partial Deployment



7. Select the appropriate option from the **Release** drop-down.
8. Choose the appropriate **Server's Operating System** from the drop-down.
9. Choose **Weblogic** from the **Application Server** drop-down.
10. Select **Oracle** from the **DataBase Server** drop-down and click **Next**.
11. Specify Server details to connect to the server and click **Next**.

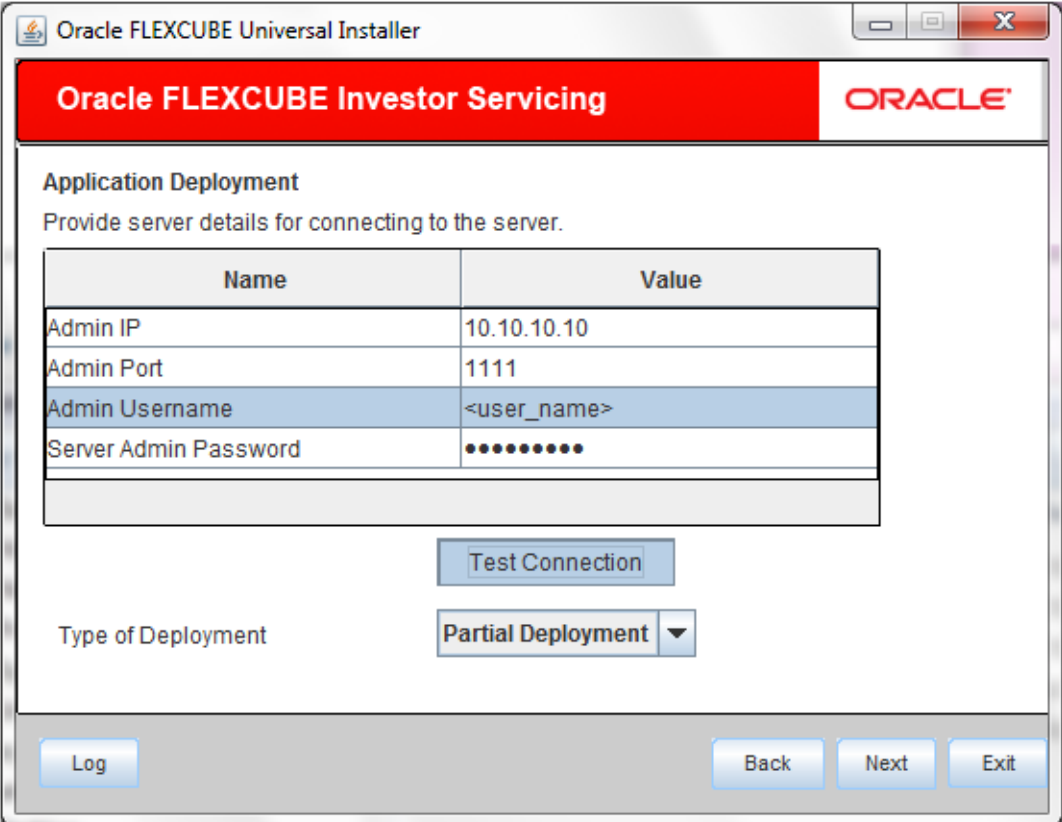
Refer to the table for server details.

Table 1-6 Server details

Field	Description
Admin IP	Provide host address of Admin server.
Admin Port	Provide port number of Weblogic server.
Admin UserName	Provide the appropriate Admin Username of the Weblogic Application server.
Server Admin Password	Provide the appropriate Admin Password of the Weblogic Application server.
Type of Deployment	Choose Partial Deployment .

The following screen is displayed.

Figure 1-17 Server Details for Partial Deployment



Oracle FLEXCUBE Universal Installer

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Application Deployment
Provide server details for connecting to the server.

Name	Value
Admin IP	10.10.10.10
Admin Port	1111
Admin Username	<user_name>
Server Admin Password	••••••••

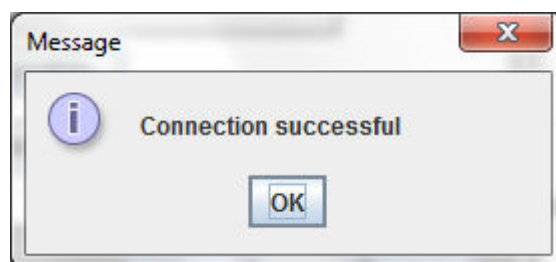
Test Connection

Type of Deployment: Partial Deployment ▼

Log Back Next Exit

12. 9. Click **Test Connection** to test the connection with the Application server.
On successful connection, the following message is displayed.

Figure 1-18 Information Message on Successful Connection



13. Click **Ok** and click **Next** in the installer.
The following screen is displayed.

Figure 1-19 Application Details for Partial Deployment

14. Specify Application details to deploy the EAR.
Refer to the table for Application details.

Table 1-7 Application details

Field	Description
EAR Path	Select the application EAR to be deployed using the browse button. Note: The Application EAR path cannot be copied and pasted on to the text box, thereby demanding the use of the Browse button to select the EAR.
Property File Path	Select the appropriate path to the external properties file. If the properties file is internal to the application EAR, it would be fetched on selection of the EAR and will be in a non-editable state.
Application Name	Selection of the EAR would fetch the Application Name and it will be in a non-editable state.
Application Context	Selection of the EAR would fetch the Application Context and it will be in a non-editable state.
Manage Resources	Manage Resources is disabled as resource creation has already done for full deployment.

15. Click **Next** after the Application details are specified.
16. Specify Server Environment details for deployment.
The **Domain Name** shows the weblogic domain name.

The following screen is displayed.

Figure 1-20 Server Environment Details for Partial Deployment

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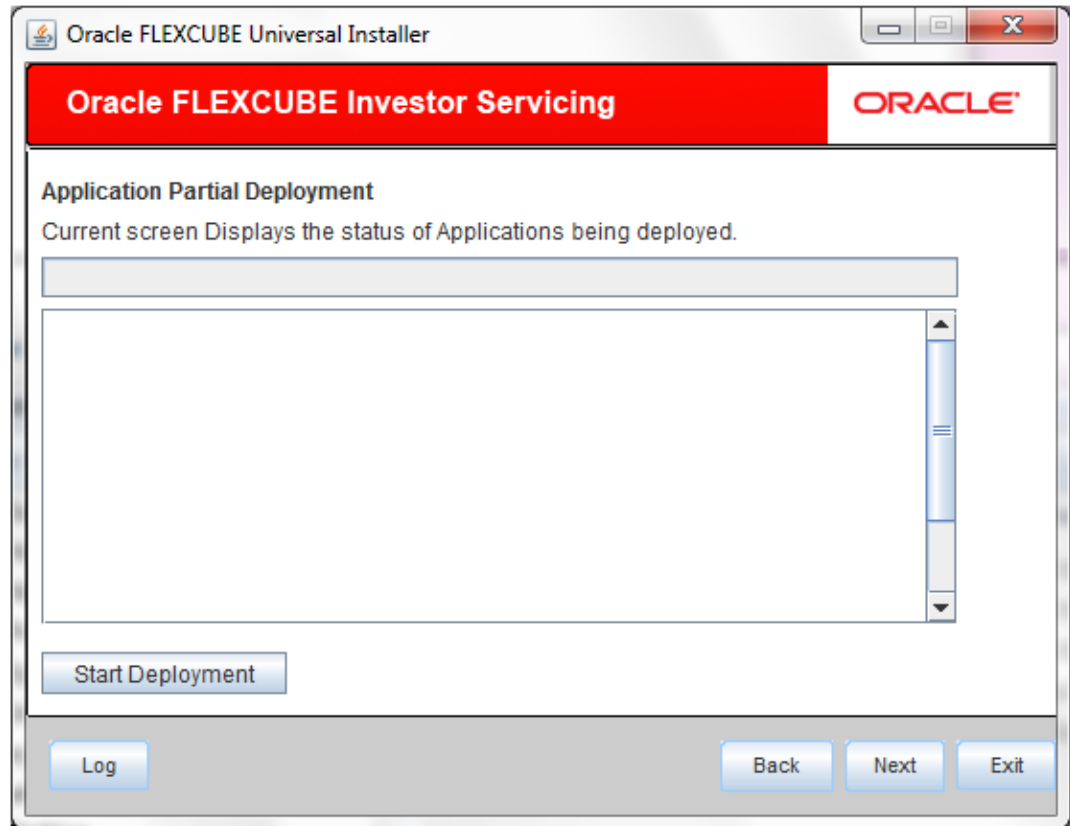
Application Partial Deployment
Specify Server environment details for deployment

Domain Name

S.No.	Application Name	Deploy

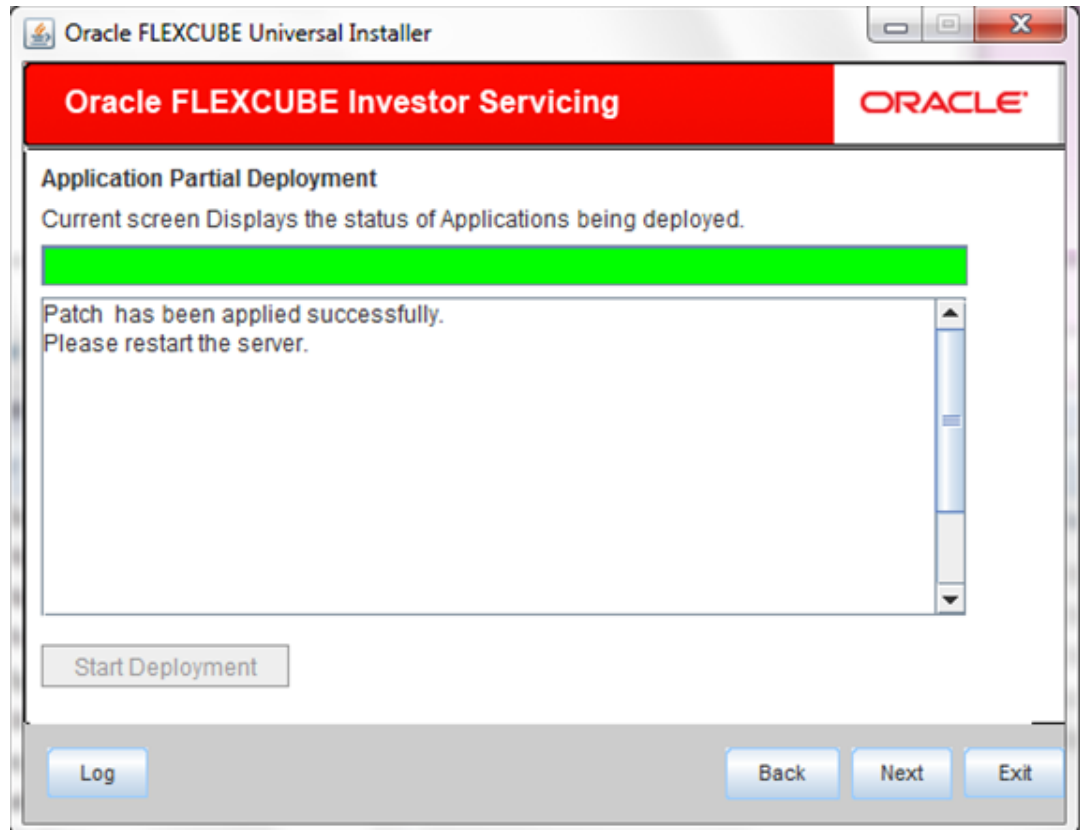
17. On Server Environment details screen, click **Get Details** button.
The list of applications deployed on weblogic application server are displayed.
18. Select the application to be patched from the lists of **Application Name** displayed.
If no application is available, then partial deployment cannot be proceeded.
19. Click **Next** after the server environment details are specified.
20. Click **Start Deployment** to start the process of partial/patch deployment.
The following screen is displayed.

Figure 1-21 Application Deployment Status for Partial Deployment



21. You can view the status of Applications being deployed.
The following screen displays the status of Applications being deployed.

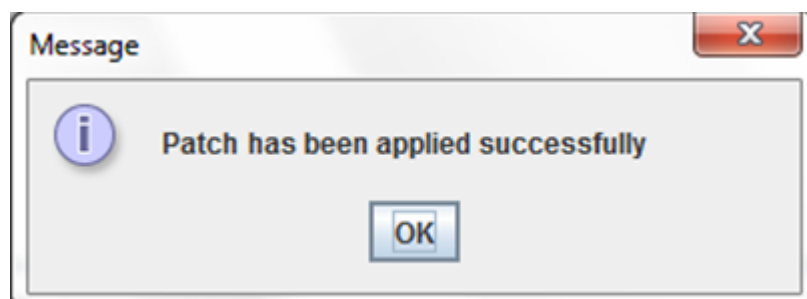
Figure 1-22 Start Application Partial Deployment



22. You can view the information message on successful partial deployment and click **OK** in the **Message** window.

The following **Message** window is displayed.

Figure 1-23 Information Message on Successful Partial Deployment



23. Restart the server for changes pertaining to the deployed patch to reflect