Open Development Tool Installation
Oracle FLEXCUBE Investor Servicing Release 14.7.0.1.0
Part No. F71715-01
[May] [2023]

ORACLE
FINANCIAL SERVICES

Table of Contents

1. Open Development Tool Installation

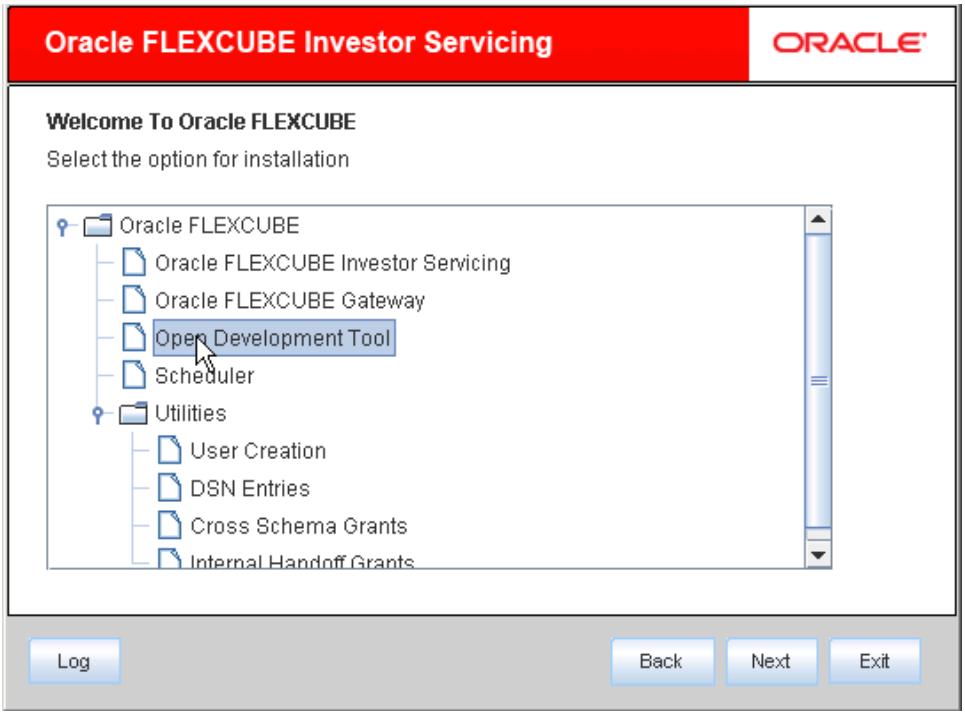
1.1 Introduction

This document explains about the creation of .war file using ODT (Open Development Tool) and setting up database for ODT installation.

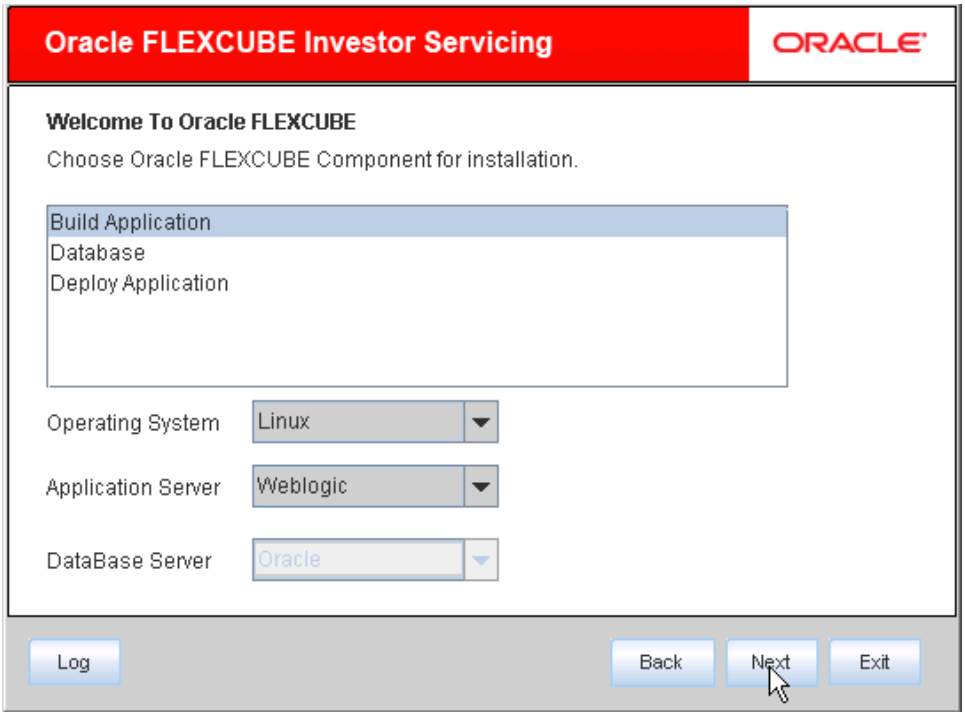
1.2 Installing Open Development Tool

To install ODT, follow the steps given below:

1. Run 'FCUBSInstaller.bat' batch file to launch Oracle FLEXCUBE Investor Servicing Installer.
2. Click 'Next'. The following screen is displayed.



3. Click 'Open Development Tool'.
4. Click 'Next'. The following screen is displayed.



5. Select ‘Build Application’ as Oracle FLEXCUBE component for installation.
6. Specify the following details.

Operating System

Specify the operating system in which you are installing Oracle FLEXCUBE.

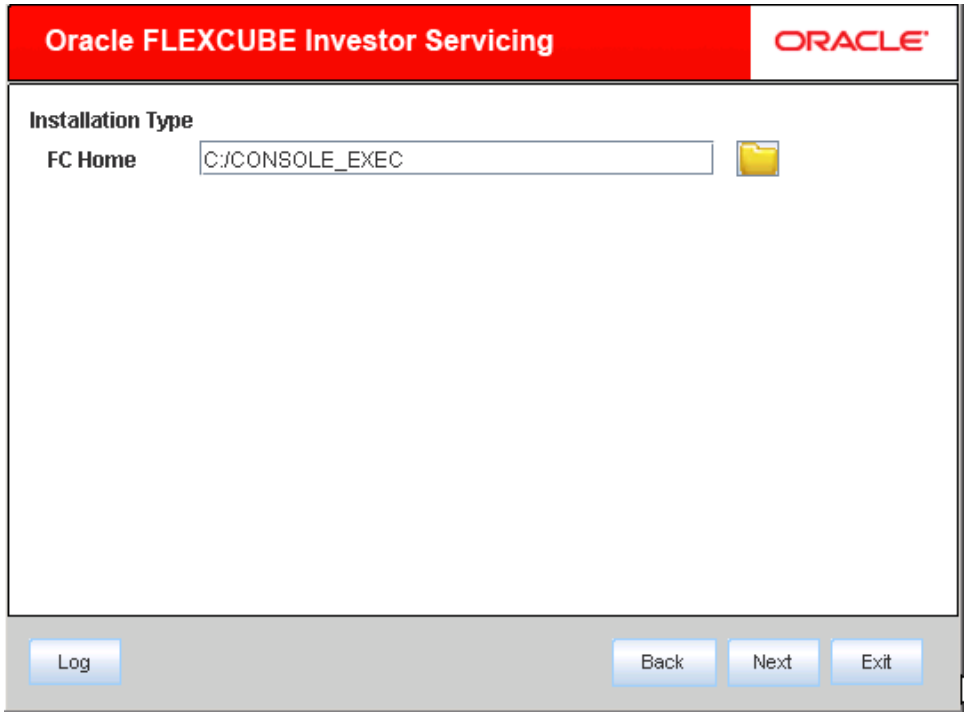
Application Server

Specify the application server on which you are installing Oracle FLEXCUBE.

Database Server

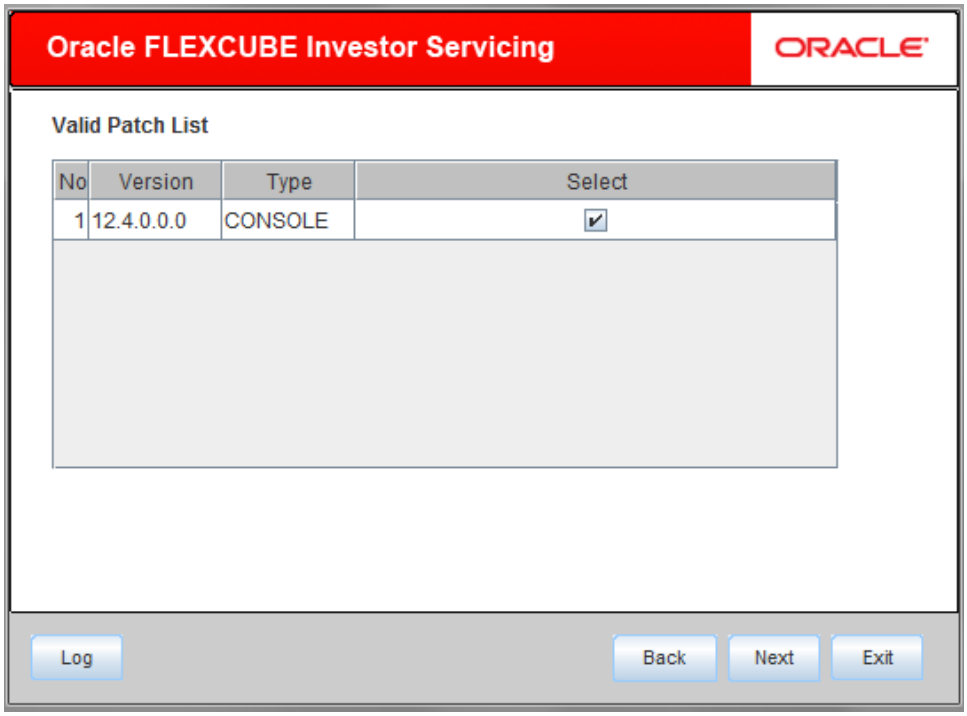
Specify the database server on which you are installing Oracle FLEXCUBE.

7. Click ‘Next’. The following screen is displayed.

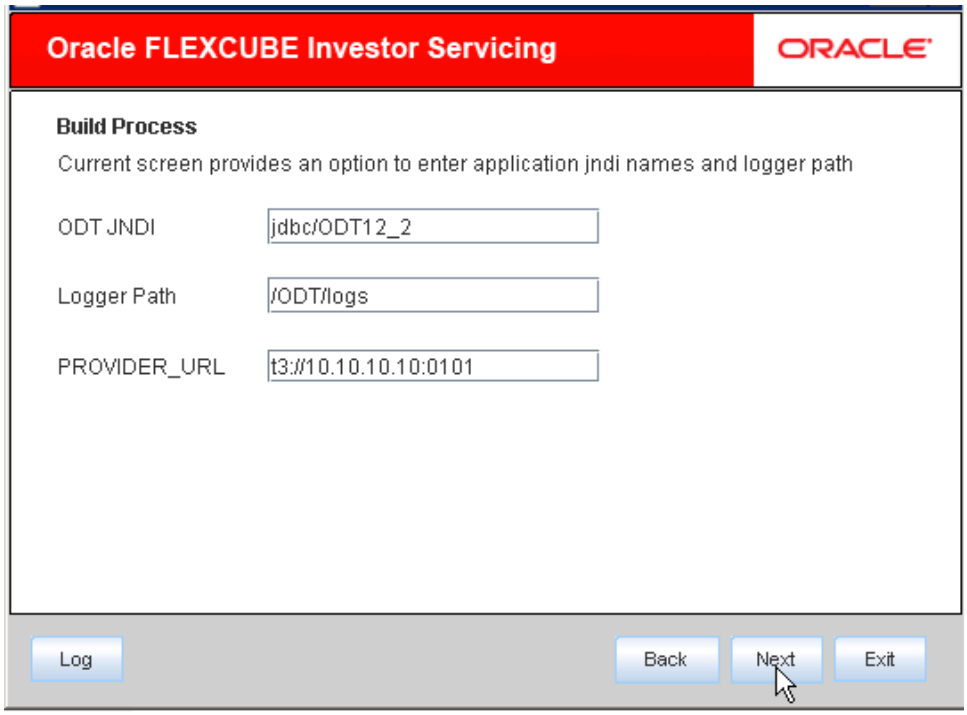


8. Specify the source directory. You can use the directory icon to browse to the directory location. The directory must contain FCHome. If the required folders are not present, then the error message is displayed.

9. Click ‘Next’. The following screen is displayed:



10. Select the Console type and click Next. The following screen is displayed:



11. Specify the following details.

ODT JNDI

Specify the JNDI for the ODT.

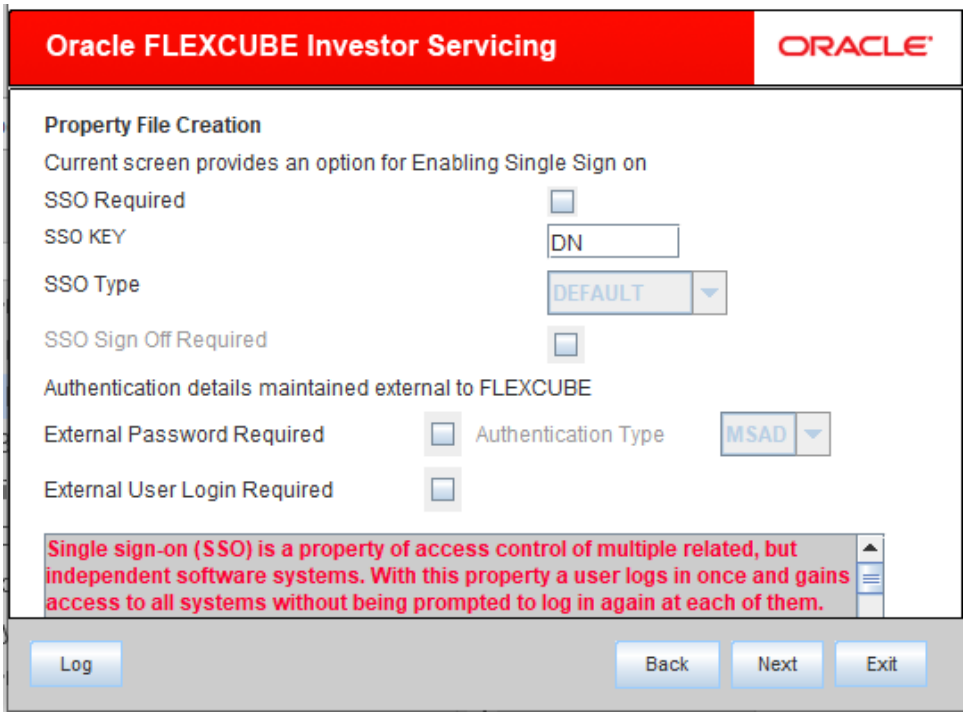
Logger Path

Specify the path where the logs have to be written.

Provider_URL

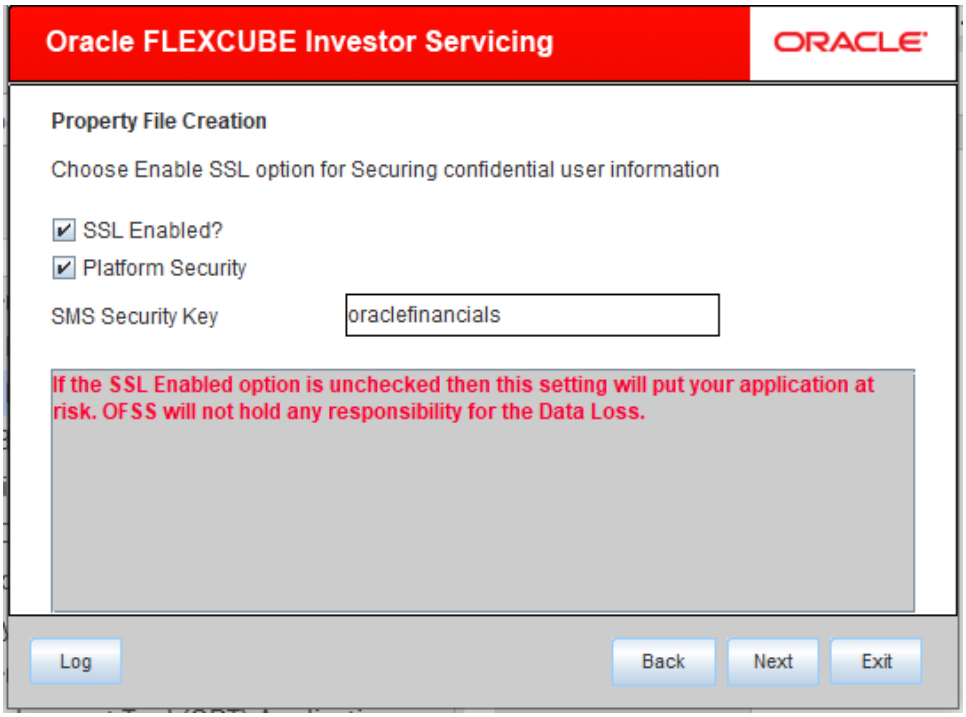
Specify the provider URL.

12. Click ‘Next’. The following screen is displayed.



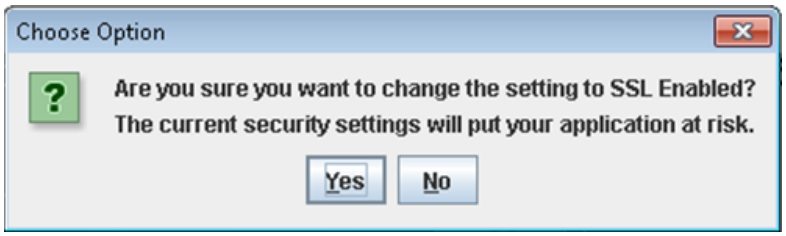
13. Here we set single sign on properties. Click ‘Next’.

This is an external authentication window. If external authentication is not required, then uncheck all the options and click ‘Next’. The following screen is displayed:



SSL Enabled

Indicate whether SSL is enabled or not. If SSL is required, choose ‘Yes’. If SSL is not enabled, the Installer will pop-up a window.

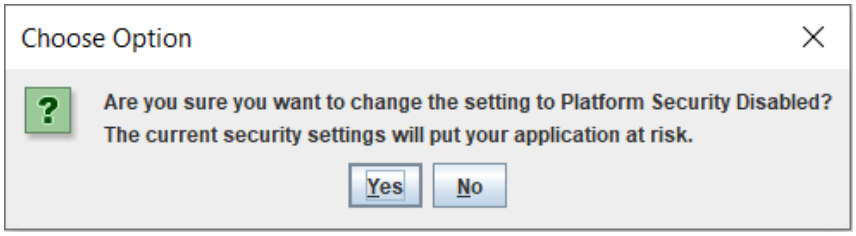


However, it is recommended that you enable SSL.

Platform Security

Platform Security is available only for weblogic.

If Platform Security is not enabled, the Installer will pop-up a window.

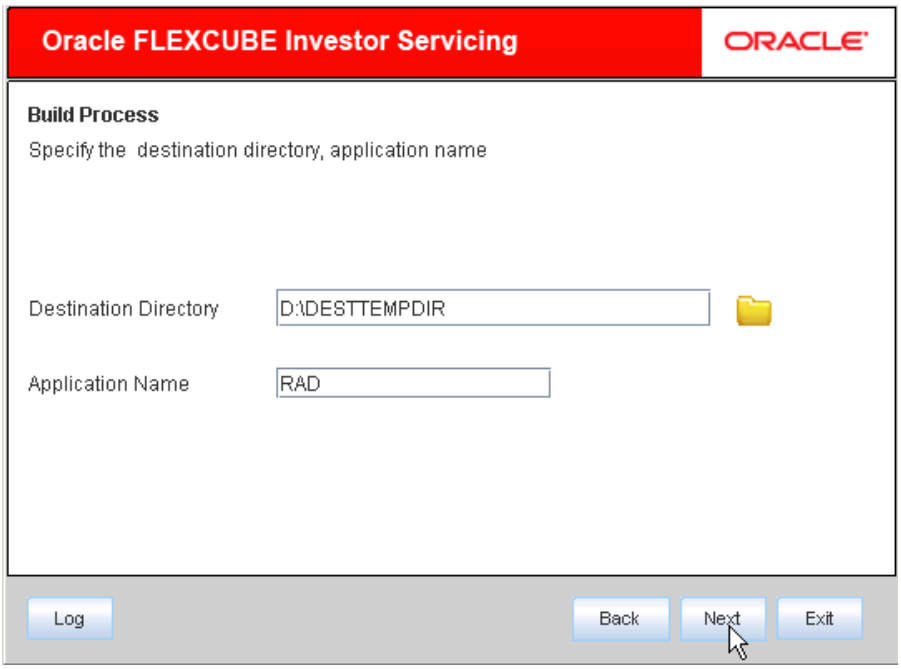


IF Platform Security is checked for weblogic the symmetric key is not stored in the property file for security reasons. If Platform Security is unchecked the symmetric key is available in the property file and a warning message is displayed to the user.

SMS Security Key

Specify the security key for the Encryption, here in this case it is ‘oraclefinancials’.

14. Click ‘Next’. You will be navigated to the next screen



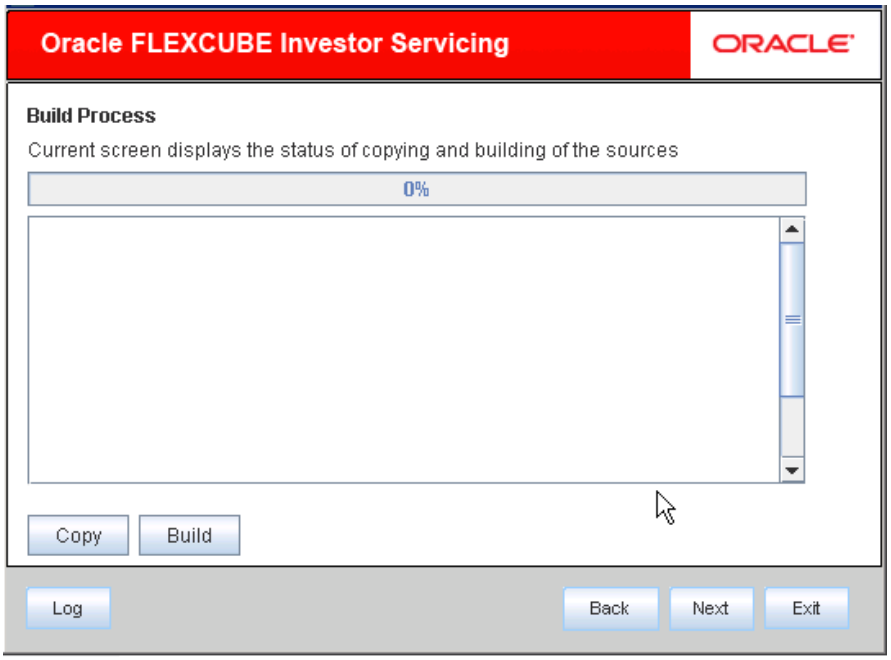
Destination Directory

Specify the destination directory. You can use the directory icon to browse to the source directory location.

Application Name

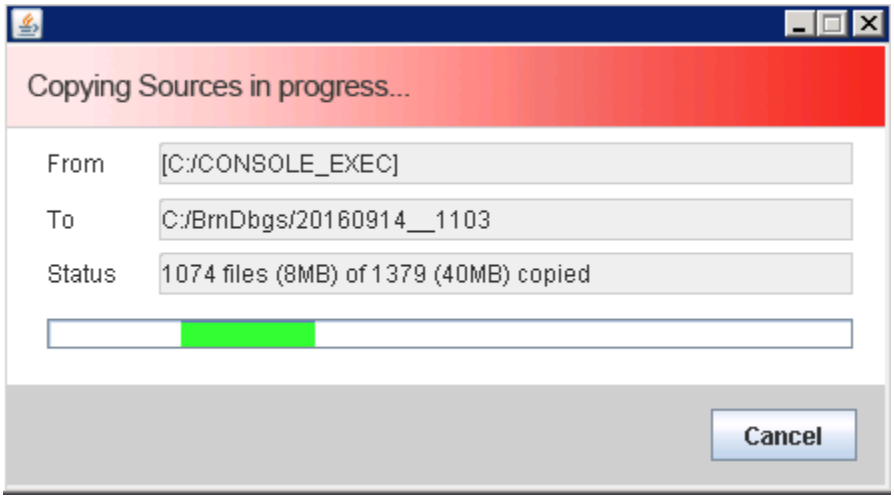
Specify the desired name for the application. For example,: RAD.

Click ‘Next. The following screen is displayed.

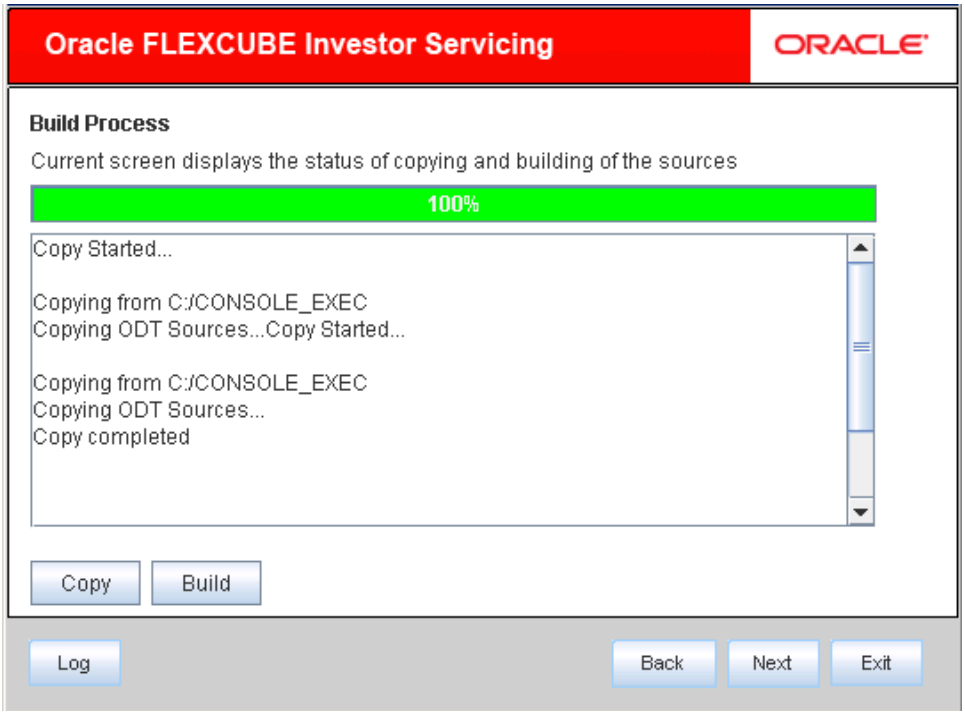


You can select all the source directories in this screen. The Installer will copy the sources from the multiple locations into the destination directory. You can have consolidated sources in the destination directory.

15. Click ‘Copy’ button to copy sources to the destination location. The following screen is displayed:

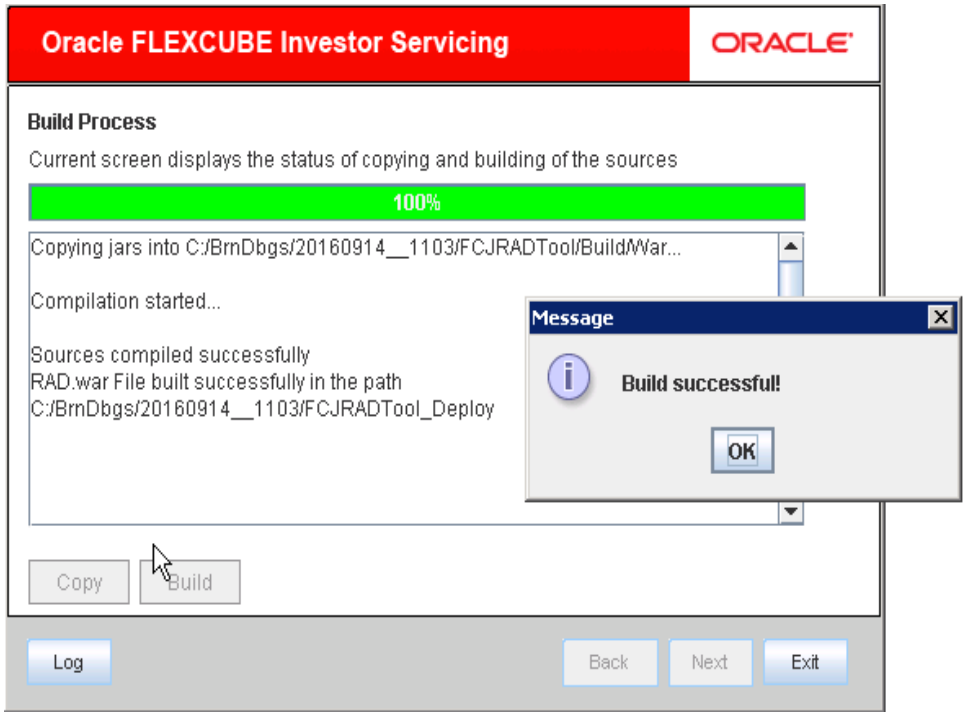


Once the copying process is done, the following screen is displayed:

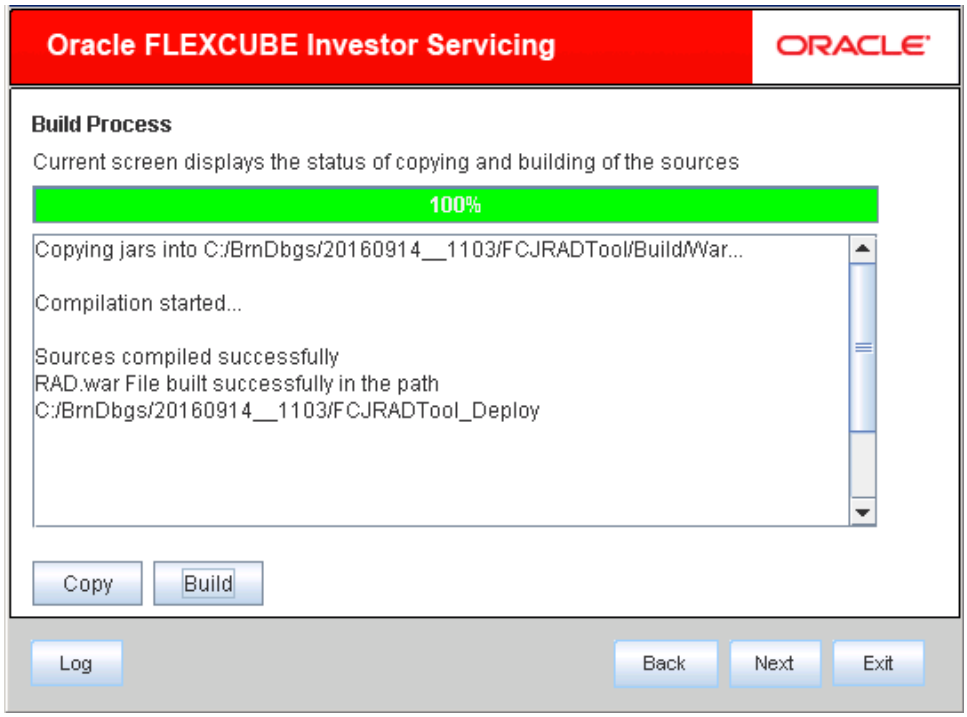


16. Click ‘Build’ button to build the war file in the destination location.

The system displays the following screen when the copying is complete.



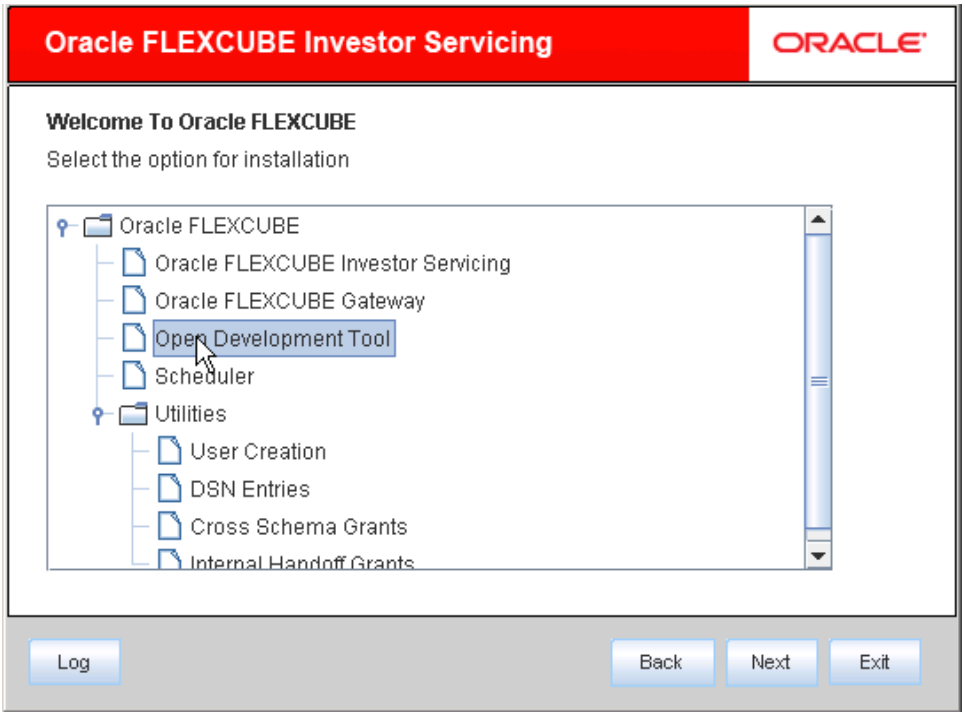
Click OK. The following screen is displayed:



2. Setting up Database for Open Development Tool

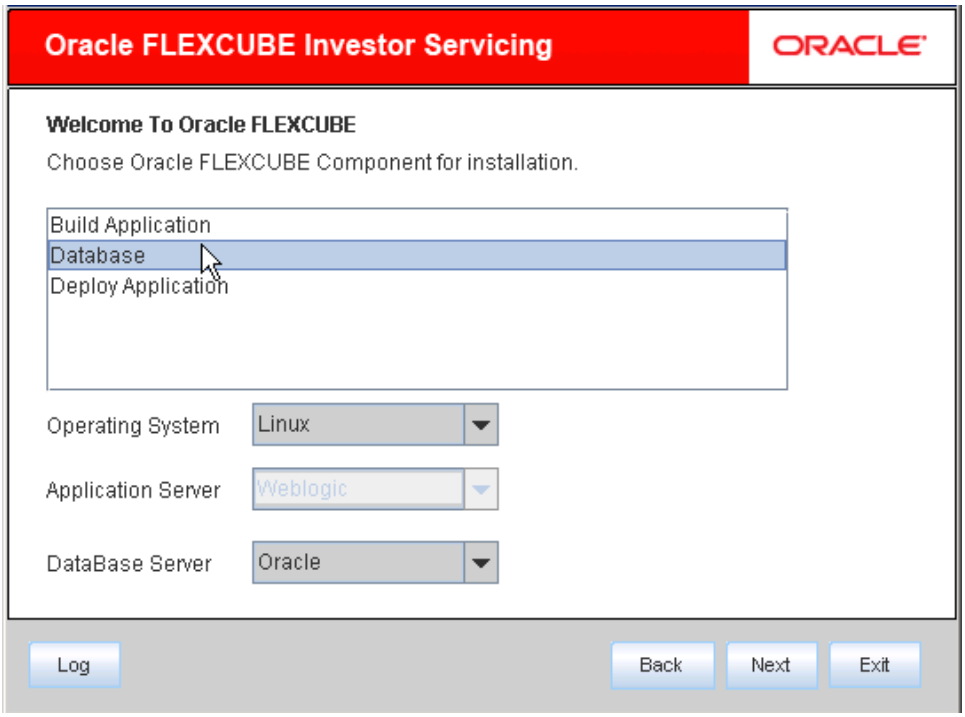
To set up database for Open Development Tool (ODT), follow the steps given below:

1. Run ‘FCUBSInstaller.bat’ batch file to launch Oracle FLEXCUBE Investor Servicing Installer.
2. Click ‘Next’, the following screen will be displayed.



3. Click ‘Open Development Tool’.

4. Click ‘Next’. The following screen is displayed.



5. Select ‘Database’ as Oracle FLEXCUBE component for installation.
6. Specify the following details.

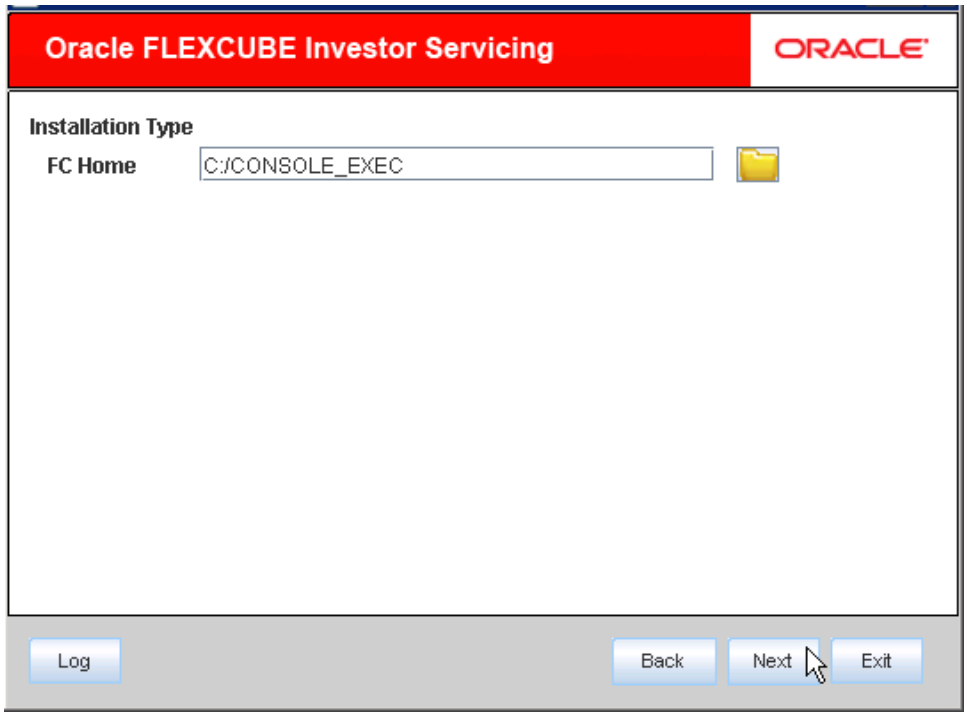
Operating System

Specify the operating system in which you are installing Oracle FLEXCUBE.

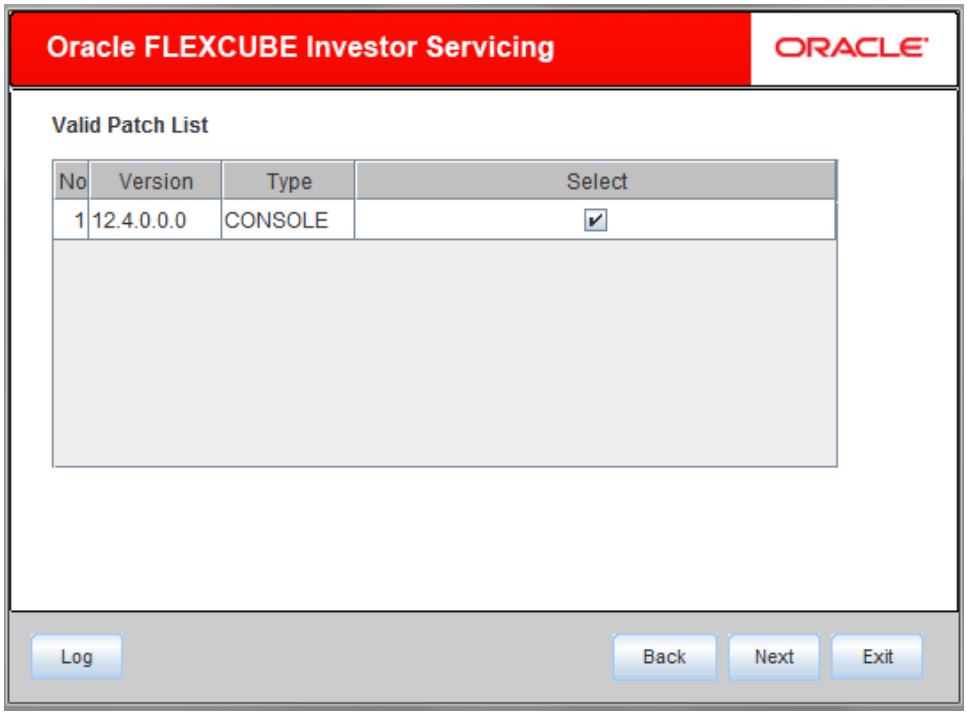
Database Server

Specify the database server on which you are installing Oracle FLEXCUBE.

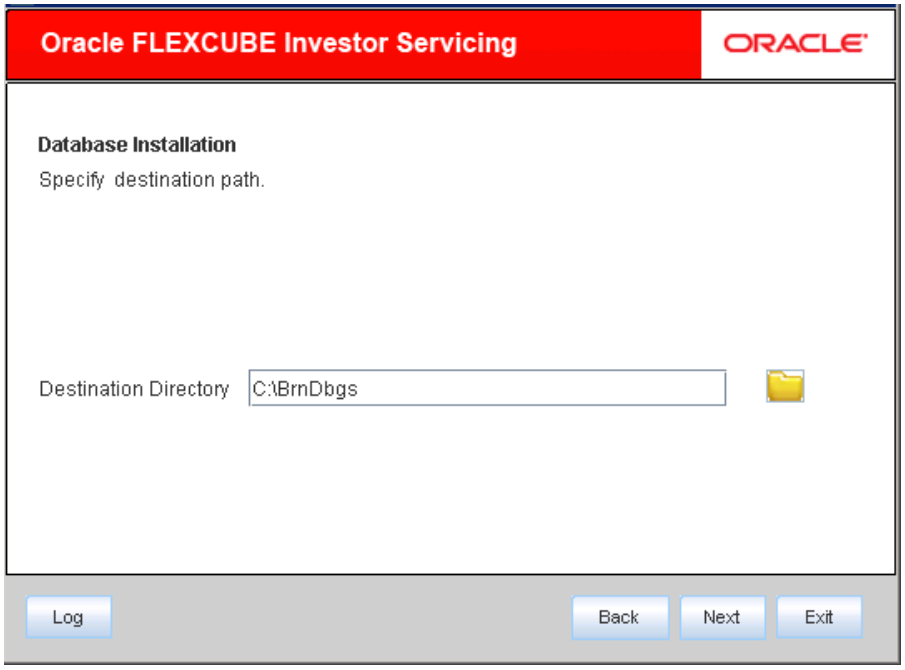
7. Click ‘Next’. The following screen is displayed.



Browse for Console_EXEC folder and click ‘Next’. The following screen is displayed:



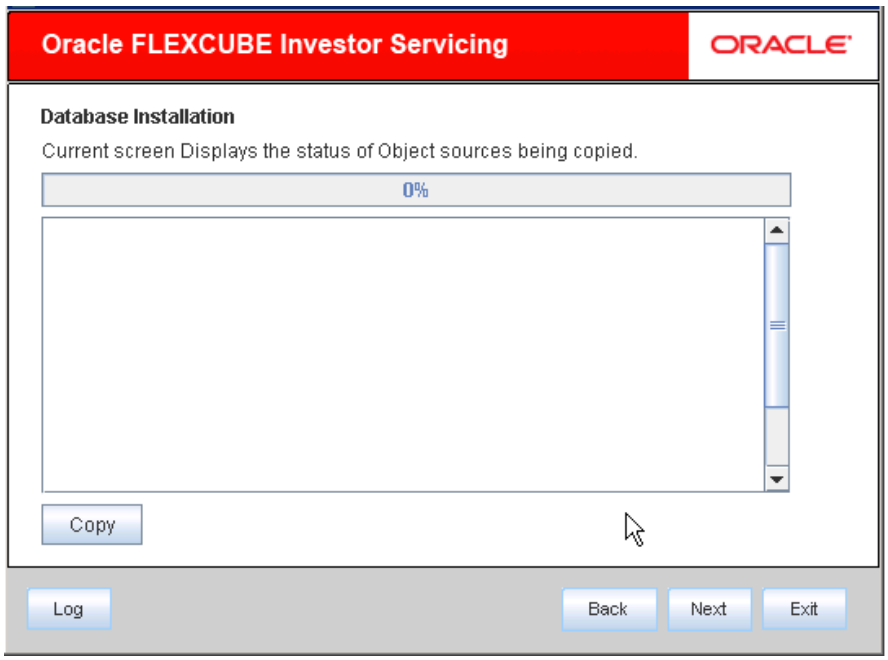
Select the console type and select ‘Next’. The following screen is displayed:



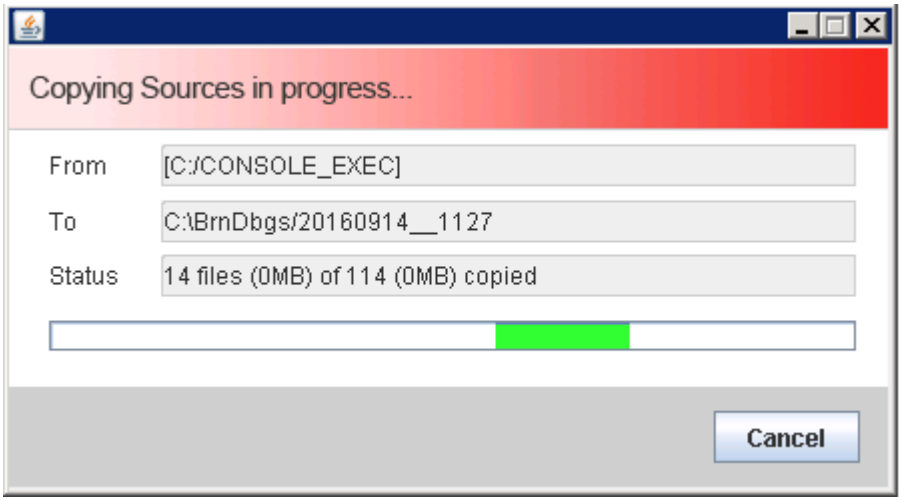
Destination Directory

Specify the destination directory. You can use the directory icon to browse to the source directory location.

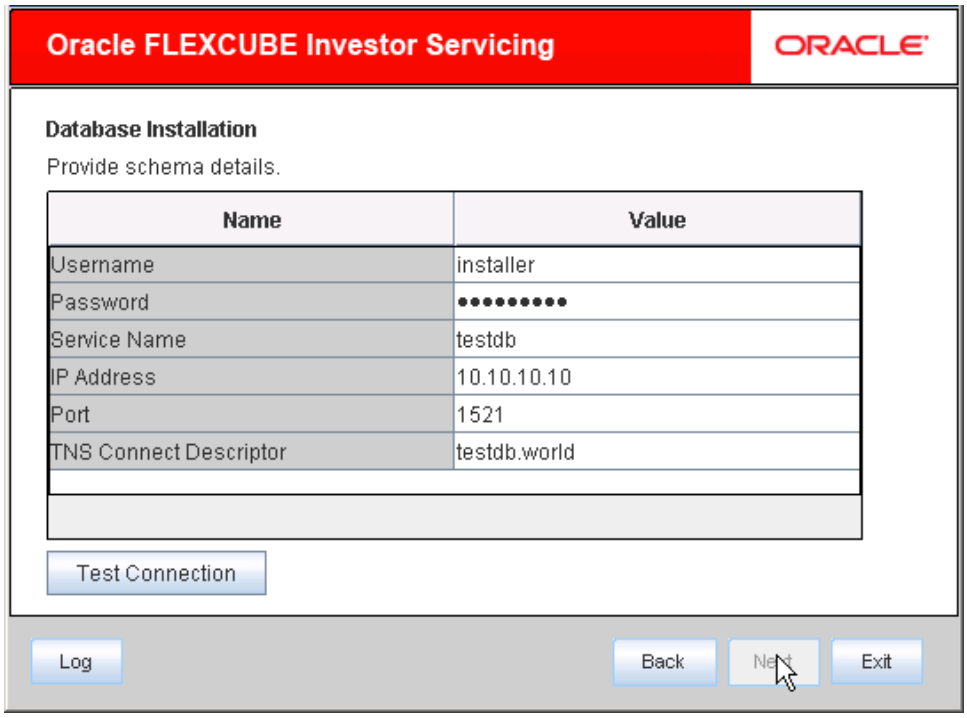
The following screen is displayed:



Click ‘Copy’. The following screen is displayed:



Click ‘Copy’ to copy the source from source directory to the destination directory. Once the source is copied, the following screen is displayed.



8. Specify the following schema details:

User Name

Specify the user name to access the schema.

Password

Specify the schema password for the above user name.

Service Name

Specify service name of database.

IP Address

Specify the IP address of the system where the database schema is installed.

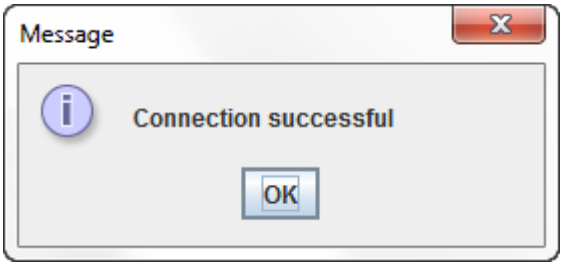
Port

Specify the port number.

TNS Connect Descriptor

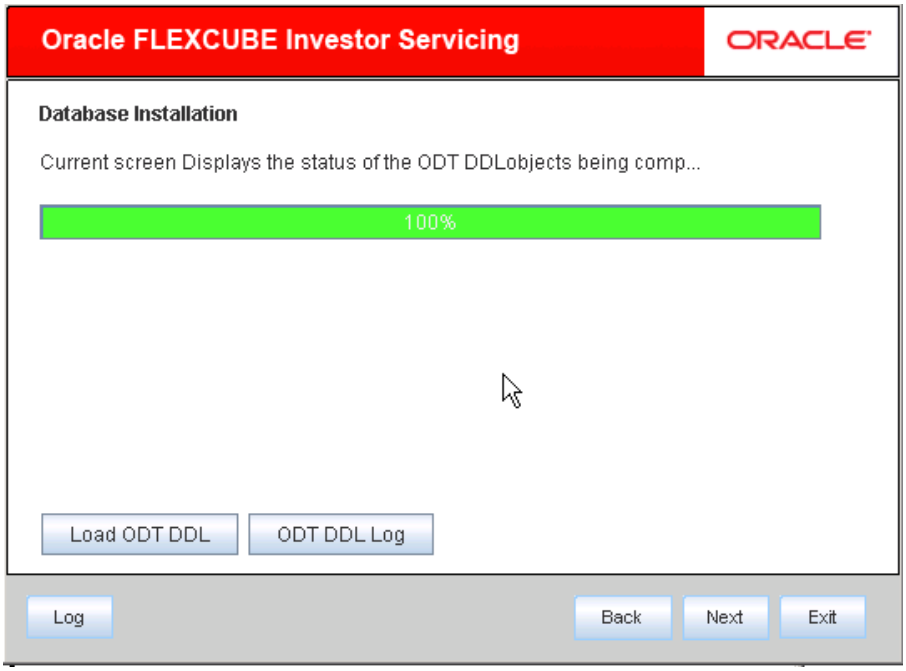
Specify a valid connect string that contains the details for database connectivity.

9. Once you have specified the details, click ‘Test Connection’ button to test the database schema connection.

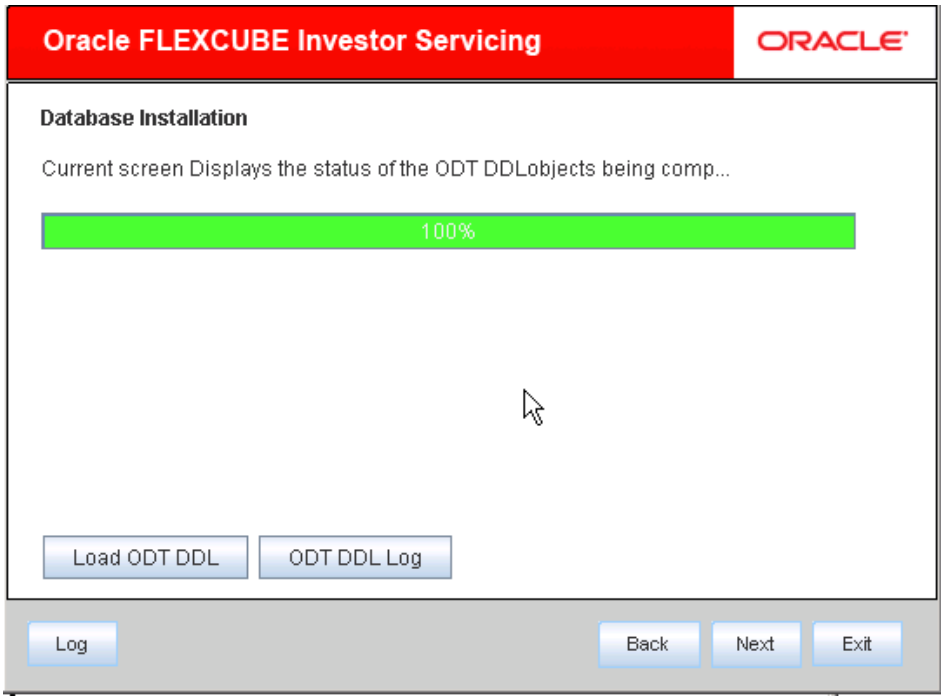


The above message is displayed if the connection is established successfully.

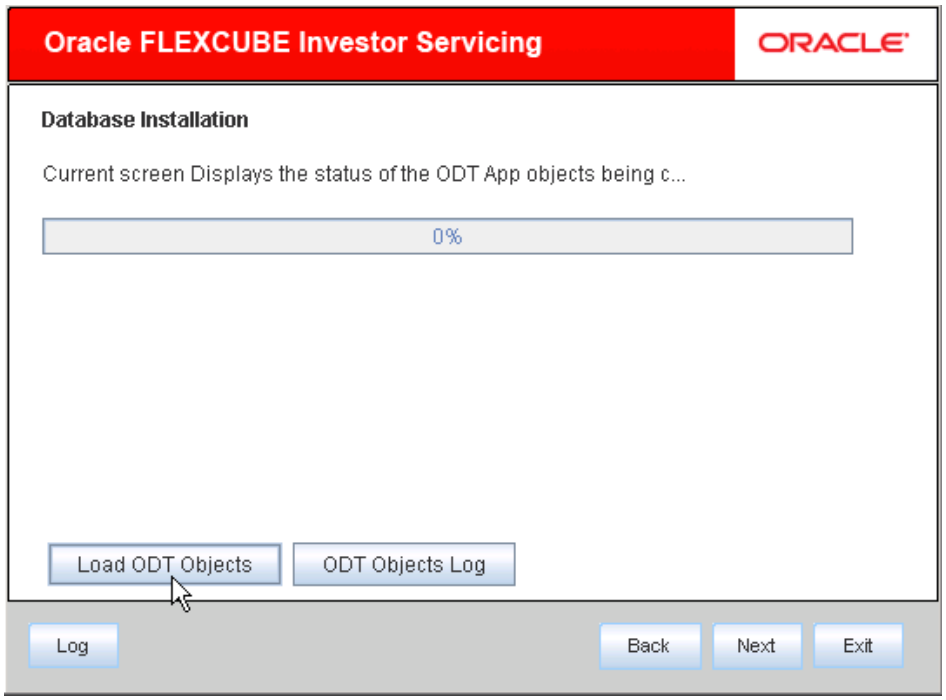
10. Click ‘Next’. The following screen is displayed.



11. Click ‘Load ODT DDL’ button to start compiling. The objects ‘Type’, ‘Table’, and ‘Sequence’ will be compiled and the count will be updated. You can verify the DDL objects compilation by comparing the current count and the release count. The release count is the number of files in the temporary folder to which the files are copied.



12. Click on ODT DDL log to see the log.
13. Click ‘Next’. The following screen is displayed.

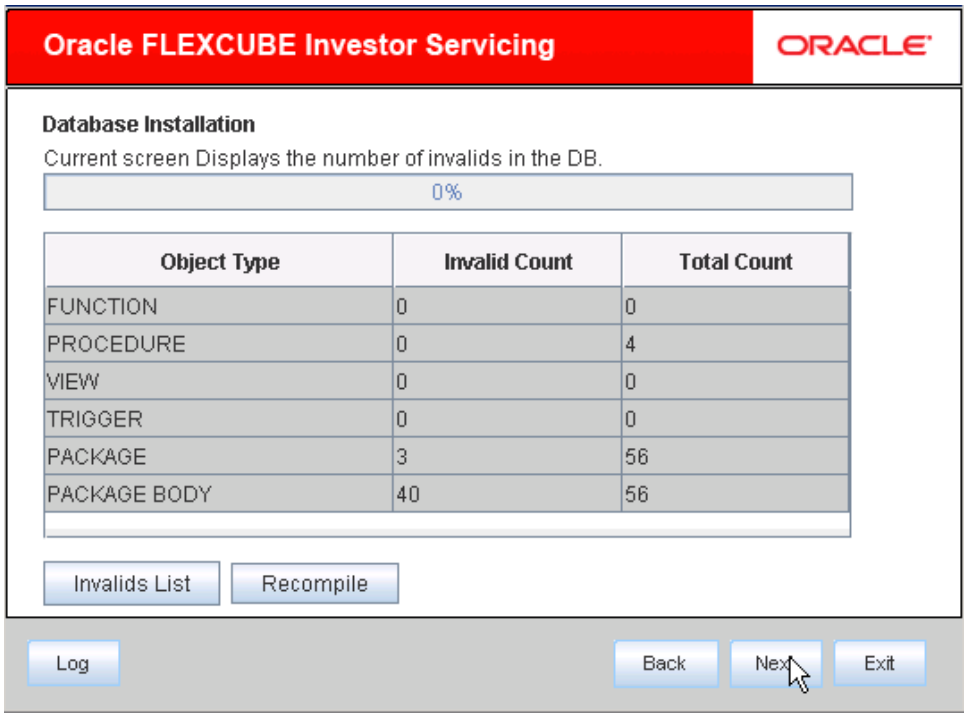


14. Click ‘Load ODT Objects’ button to compile APP objects.
    The installer loads the functions, procedures, views, triggers and packages as per your selection and compiles them.

You can verify the application objects compilation by comparing the count shown in this screen with the release count.

15. Click ‘ODT Objects Log’ to view the log.
    The log file ‘LoadODTObj.log’ will be available in the destination directory under the folder ‘DBLogs’.

16. Click ‘Next’. The following screen is displayed.

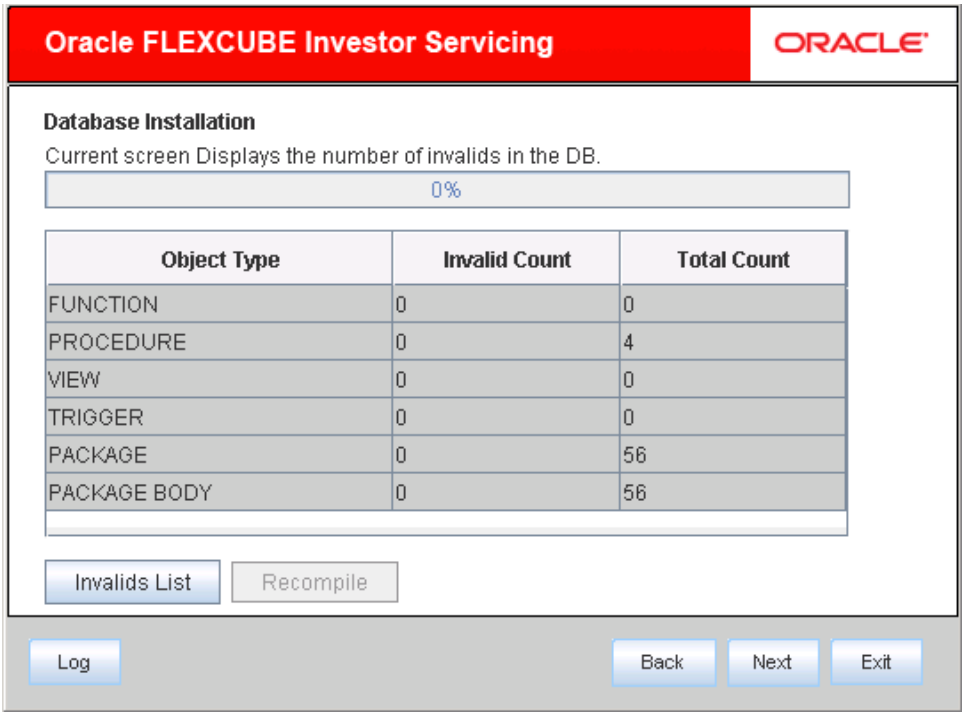


17. Click ‘Invalids List’ button to view the count of invalid objects in the database.
    You can view the file ‘InvalidList.txt’ created by the installer in the destination directory under the folder ‘DBLogs’.

18. Click ‘Recompile’ to re-compile any invalid objects If present. This reduces the invalid object count.

The Installer allows ‘Recompile’ multiple times in order to reduce the invalid objects count.

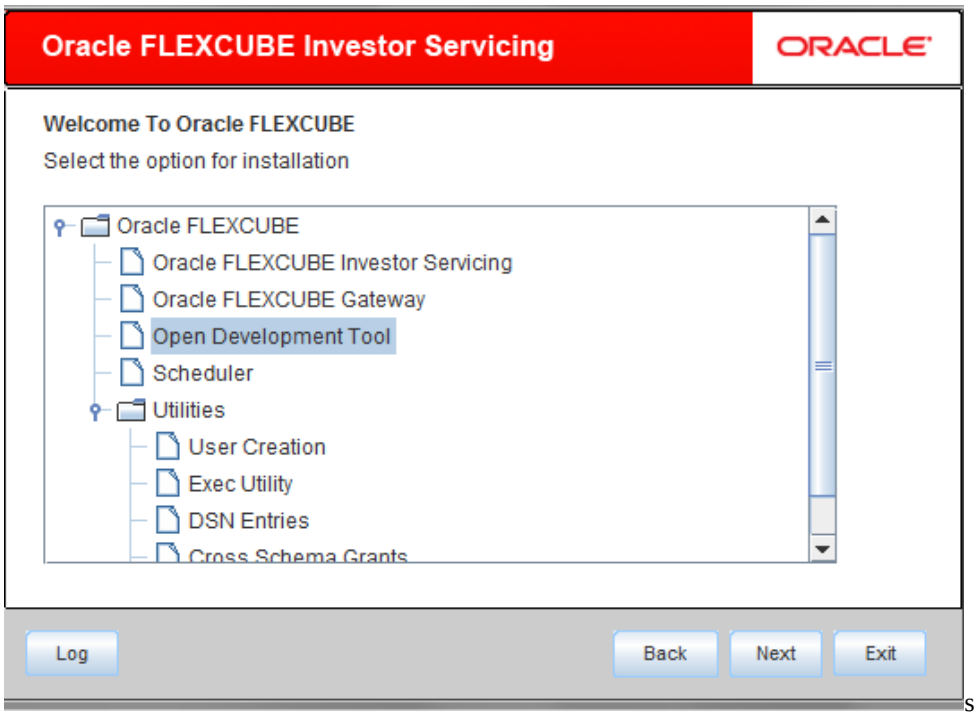
The following screen is displayed on successful re-compilation of ODT Objects.



The database is set up for the ODT installation.

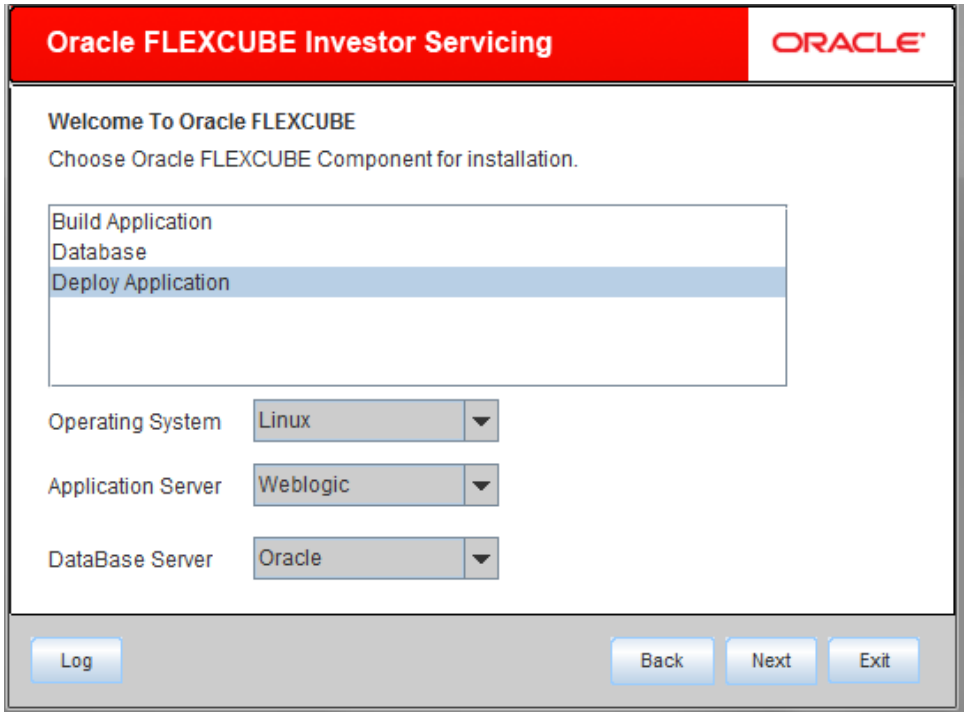
3. Open Development Tool (ODT) Application Full Deployment

1. Launch Oracle FLEXCUBE Investor Servicing Installer.
2. Click on ‘Next’ to display the screen below.



s

3. Select ‘Open Development Tool’.
4. Click ‘Next’ to display the screen below.



5. Select ‘Deploy Application’.

Operating System

Select the server’s operating system in which you are installing the FCIS application. Select the appropriate one from the adjoining drop-down list.

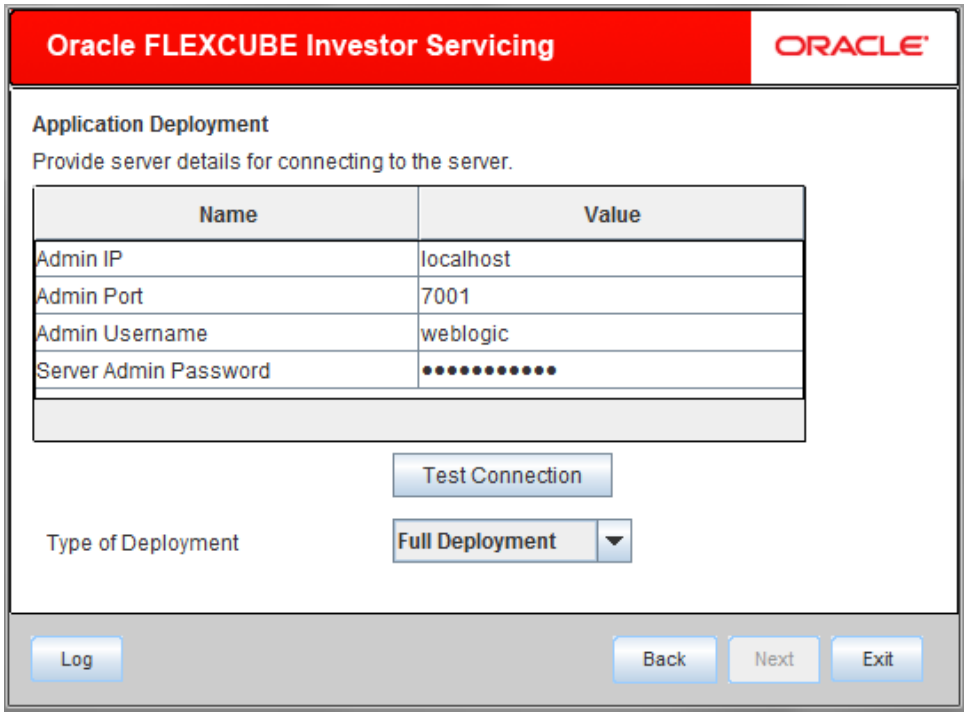
Application Server

Select ‘Weblogic’ from the adjoining drop down list.

Database Server

Select the database server in which you are installing the FCIS application. Select the appropriate one from the adjoining drop-down list.

6. WeblogicClick ‘Next’ to display the screen below.



7. Specify the following details:

Admin IP

By default it will displayed as local host.

Admin Port

Specify port number of weblogic server.

Admin UserName

Specify the appropriate admin username of the weblogic application server.

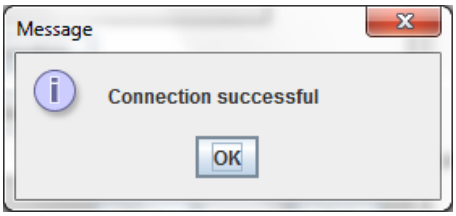
Server Admin Password

Specify the appropriate server admin password of the weblogic application server.

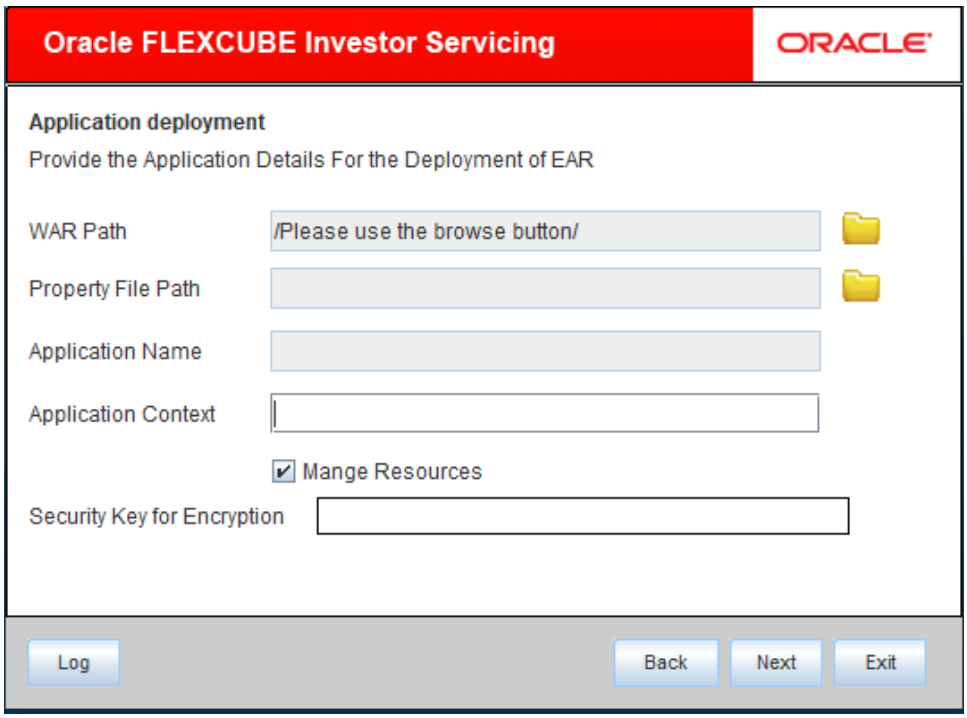
Type of Deployment

Select ‘Full Deployment’.

8. Click ‘Test Connection’ to test the connection with the application server. On successful connection, the following message will be displayed.



9. Click ‘OK’ and click ‘Next’ to display the screen below.



10. Specify the following details

EAR Path

Select the application EAR to be deployed using the browse button.

The Application EAR path cannot be copied and pasted on to the text box, thereby demanding the use of the browse button to the select the EAR.

Property File Path

If the property file is internal to the application EAR, it gets displayed here on selection of EAR path. If the property file is external, specify the location. You can use the directory button to browser and select the directory.

Application Name

Application name gets displayed on selection of EAR path.

Application Context

Application context gets displayed on selection of EAR path..

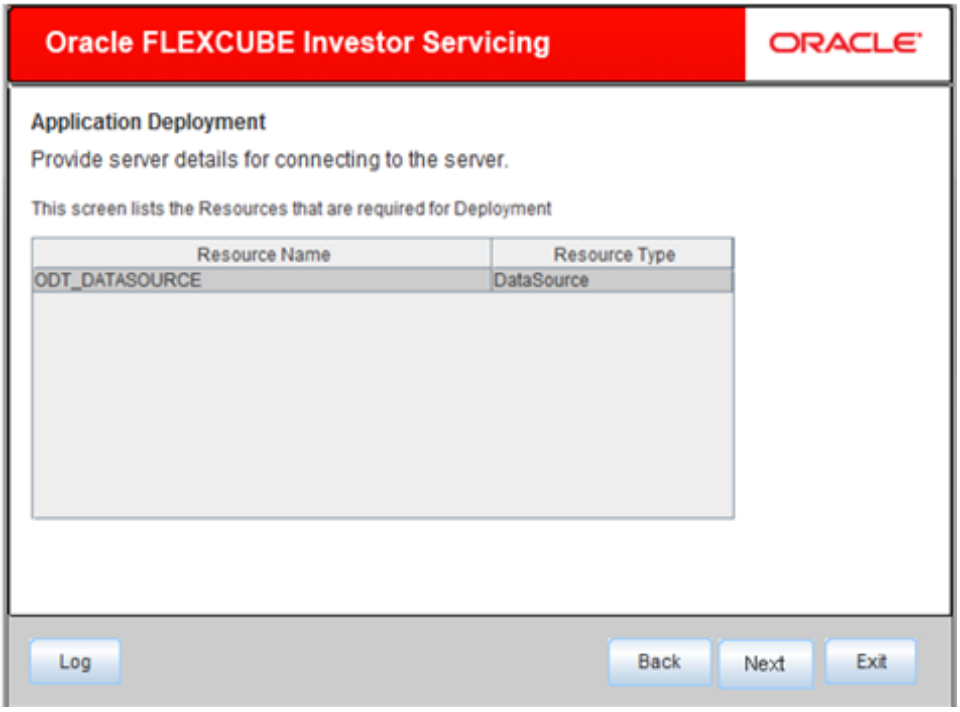
Manage Resources

Check this box if resources are to be created along with deployment.

Security Key for Encryption

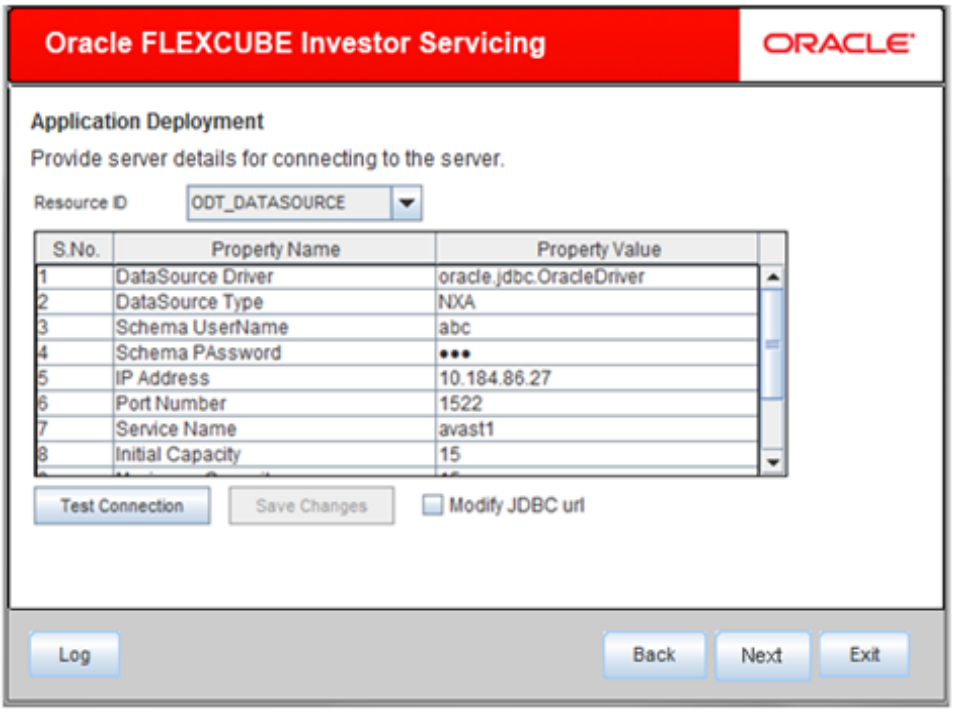
Specify the security key for the Encryption, here in this case it is ‘oraclefinancials’.

11. Click on ‘Next’ to display the screen below.



The current screen shows a list and type of resources that are created.

12. Click ‘Next’. The following screen will be displayed.



13. Specify the following details

Resource ID

Select the data source needs to get created from the adjoining drop down list.

DataSource Driver

Specify the JDBC driver URL with which the connection is 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 established.

Schema Password

Specify the password of the schema.

IP Address

Specify to provide the host address of the schema.

Port Number

Specify the port number of schema.

Service Name

Specify the schema name.

Initial Capacity

The number of physical connections to create when creating the connection pool in the data source

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.

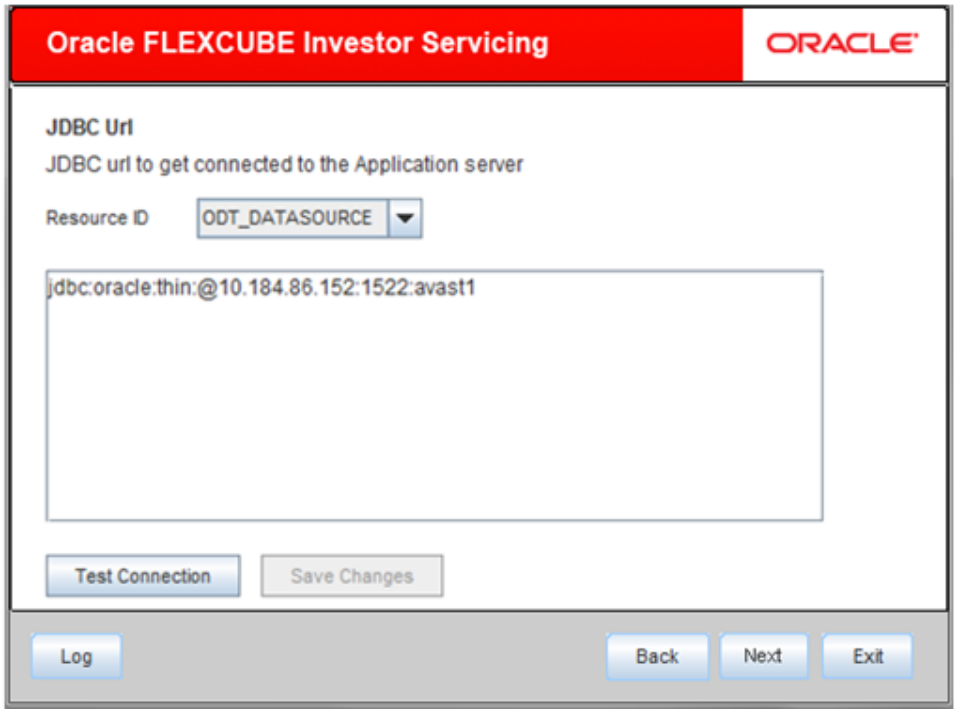
Connection Reserve Timeout

The number of seconds after which a call to reserve a connection from the connection pool will timeout.

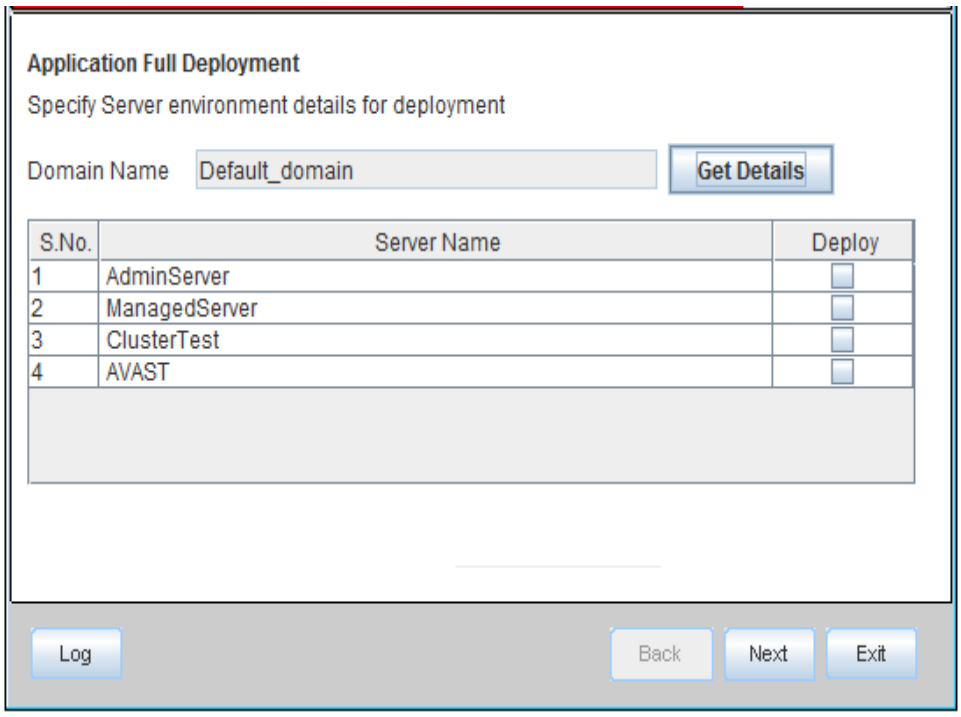
14. Click ‘Save Changes’ to save the values provided In the table against corresponding value of Resource ID.
15. Click ‘Test Connection’ to try to establish connection with required details provided in the table.
16. Click on ‘Next’ to get the following screen.

Modify JDBC URL

17. Select ‘Modify JDBC URL’ for editing the generated URL.
18. If ‘Modify JDBC URL’ is selected, on click of ‘Next’ , the following screen will be displayed.

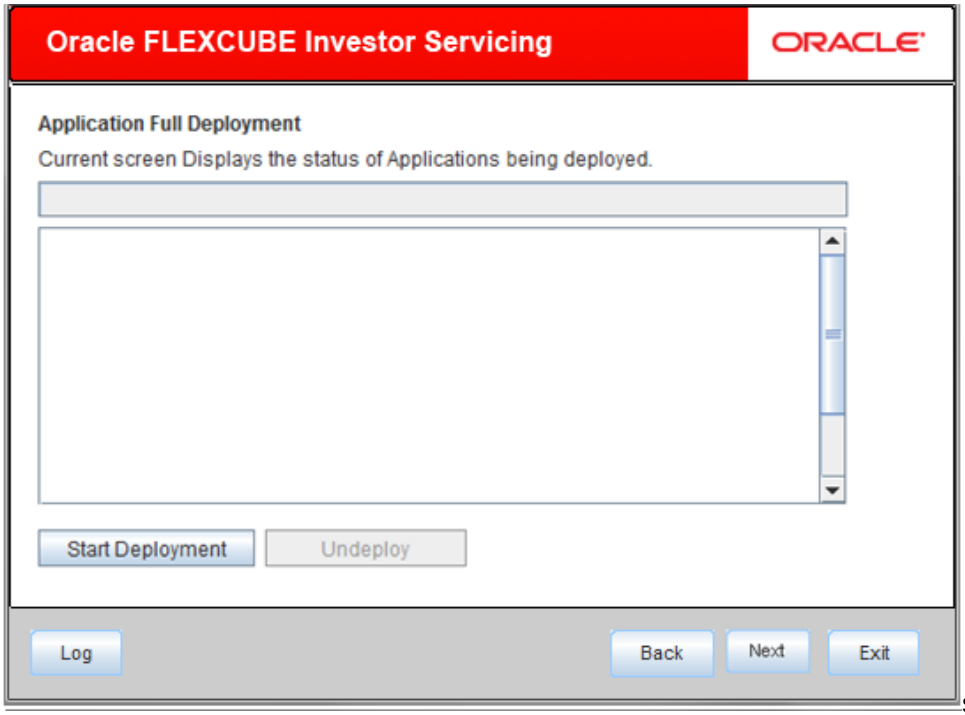


19. Click ‘Next’, the following screen will be displayed.



20. The Domain Name shows the weblogic domains name.

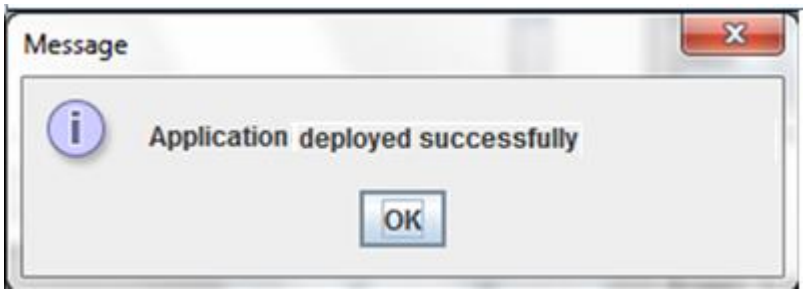
21. Click ‘Get Details’, the list of available servers are displayed in the table. Atleast one server should be selected to proceed to next screen.
22. Click ‘Next’ to display the screen below.



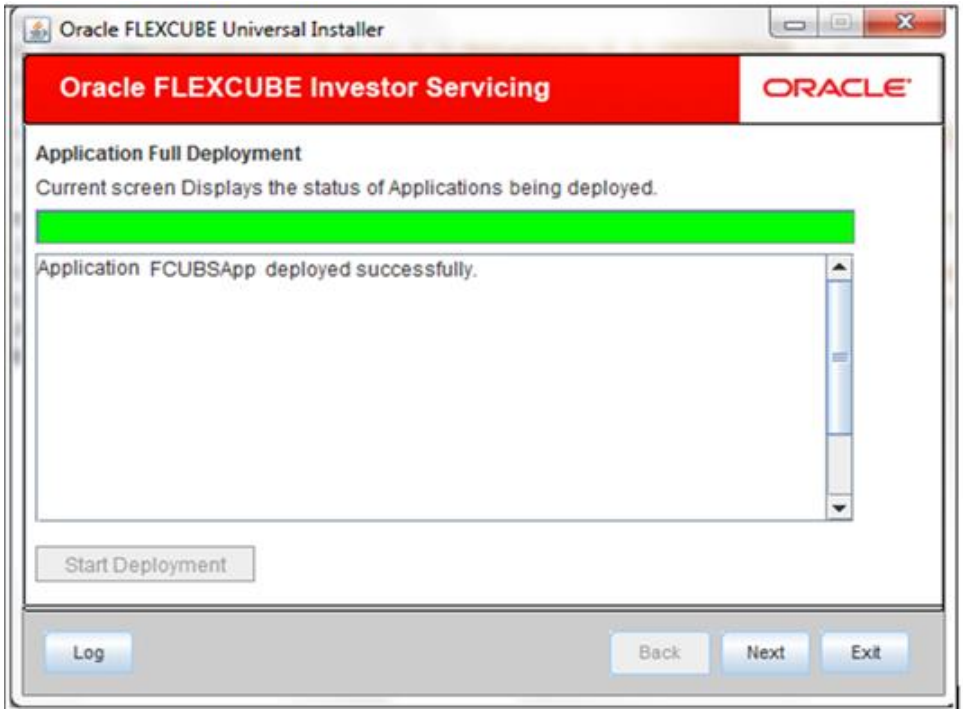
s

23. Click ‘Start Deployment’ to begin the process of application deployment.

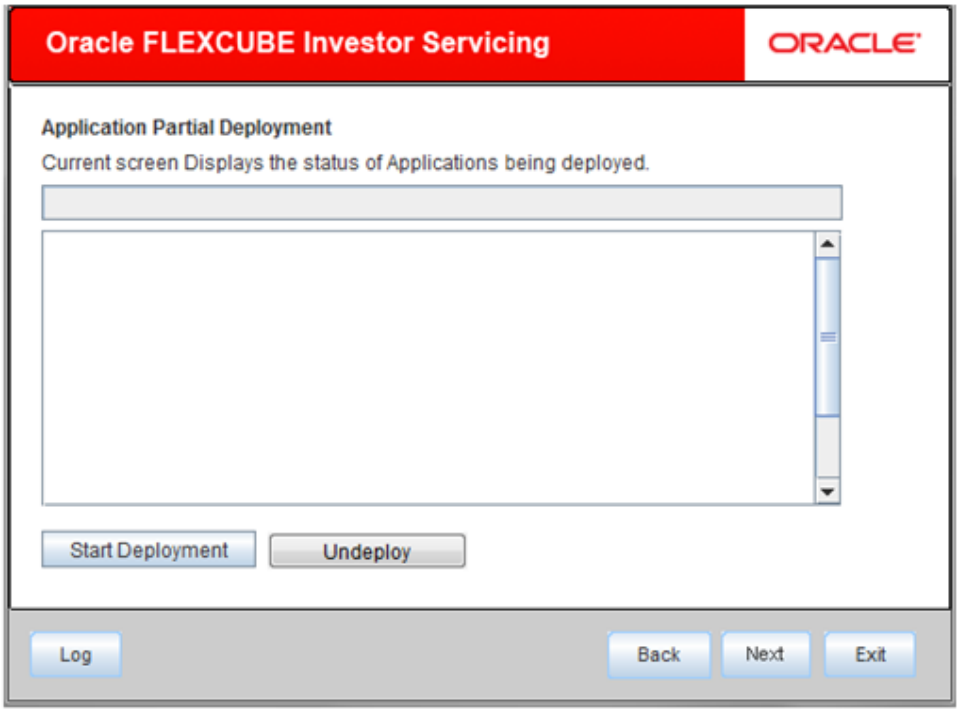
On successful deployment, you will get the following message and the screen is expected to look like below.



24. Click ‘OK’ and the following screen is displayed:



25. If the deployment is not sucessfull, the ‘Undeploy’ button will be enabled.



26. Click ‘Undeploy’ for undeploying the partially deployed EAR from the server.

Open Development Tool Installation
[May] [2023]
Version 14.7.0.1.0

Oracle Financial Services Software Limited
Oracle Park
Off Western Express Highway
Goregaon (East)
Mumbai, Maharashtra 400 063
India

Worldwide Inquiries:
Phone: +91 22 6718 3000
Fax:+91 22 6718 3001
www.oracle.com/financialservices/

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing. This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.