

Gateway Application Setup
Oracle FLEXCUBE Universal Banking
Release 12.0.1.12.0
[April] [2013]



Table of Contents

1.	SETTING UP GATEWAY FOR ORACLE FLEXCUBE	1-1
1.1	INTRODUCTION	1-1
1.2	SETTING UP GATEWAY EJB APPLICATION.....	1-1
1.2.1	<i>Prerequisites</i>	<i>1-1</i>
1.2.2	<i>Environment Settings</i>	<i>1-1</i>
1.2.3	<i>Building EAR File</i>	<i>1-2</i>
1.3	SETTING UP GATEWAY MDB APPLICATION	1-10
1.3.1	<i>Prerequisites</i>	<i>1-10</i>
1.3.2	<i>Building EAR File</i>	<i>1-10</i>
1.4	SETTING UP GATEWAY HTTP APPLICATION	1-18
1.4.1	<i>Prerequisites</i>	<i>1-18</i>
1.4.2	<i>Building EAR file</i>	<i>1-18</i>
1.5	SETTING UP GATEWAY WEB SERVICE APPLICATION	1-26
1.5.1	<i>Prerequisites</i>	<i>1-26</i>
1.5.2	<i>Building EAR File</i>	<i>1-26</i>
2.	POST BUILDING ACTIVITY	2-1
2.1	INTRODUCTION	2-1
2.1.1	<i>Gateway Configuration.....</i>	<i>2-1</i>
2.1.2	<i>Deployment Using Oracle WebLogic Application Server.....</i>	<i>2-1</i>
2.1.3	<i>Deployment Using IBM WebSphere Application Server.....</i>	<i>2-1</i>

1. Setting up Gateway for Oracle FLEXCUBE

1.1 Introduction

This chapter explains the steps for setting up the Gateway Application for Oracle FLEXCUBE.

1.2 Setting up Gateway EJB Application

This section explains the methods of setting up Gateway EJB Application.

1.2.1 Prerequisites

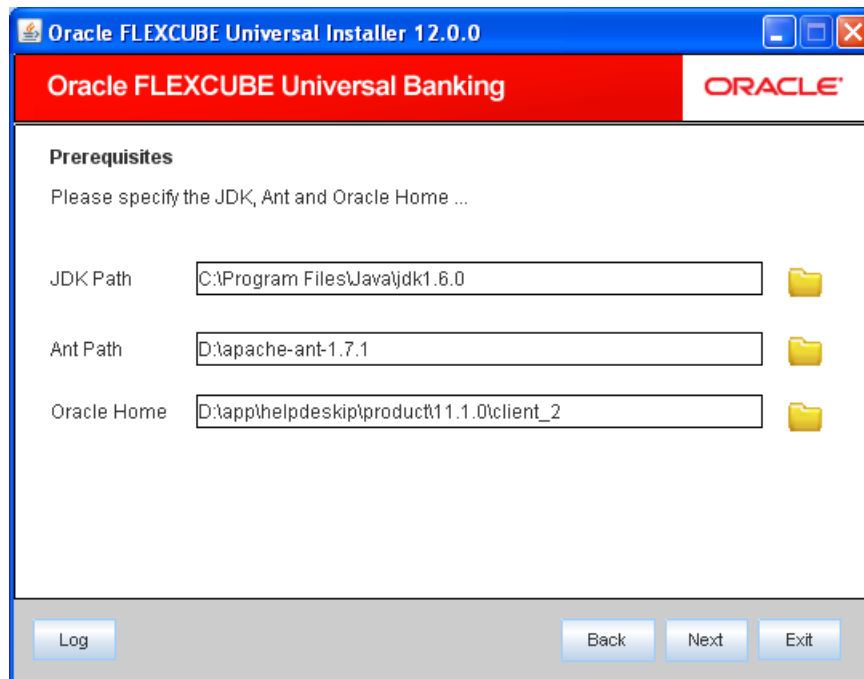
You need to create the following gateway EJB property files before building the application:

- gw_ejb_logger.properties
- GW_EJB_Prop.properties

For details, refer to the section 'Gateway EJB Application' in chapter 'Setting up Property Files'.

1.2.2 Environment Settings

You need to set the environment as follows.



Specify the following details.

JDK Path

Specify the directory in which JDK is installed.

Ant Path

Specify the location of Ant.

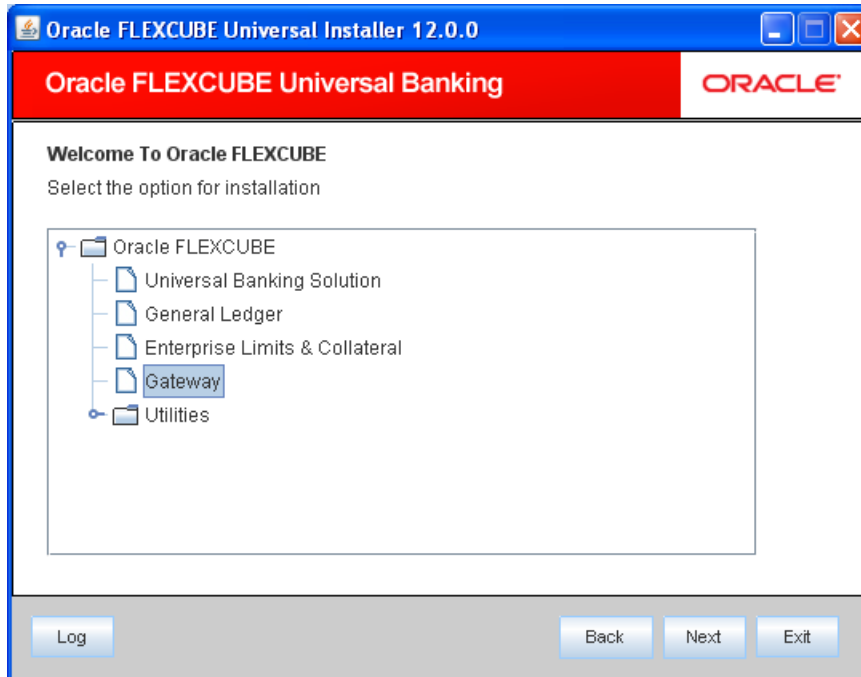
Oracle Home

Specify the Oracle Home directory.

1.2.3 Building EAR File

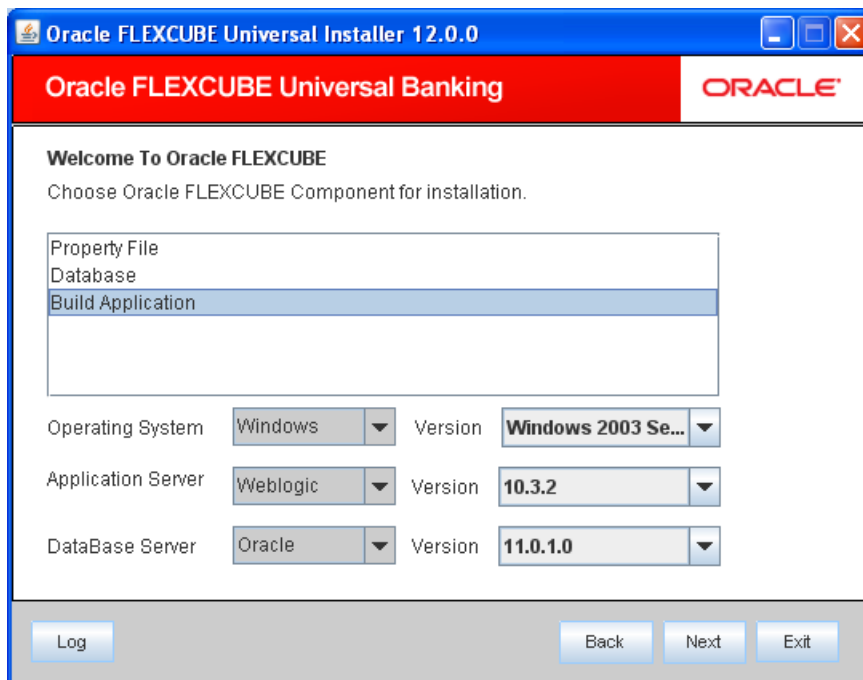
In order to build EAR file for Gateway EJB Application, you need to follow the steps given below:

1. Launch Oracle FLEXCUBE Universal Installer. The welcome screen is displayed.

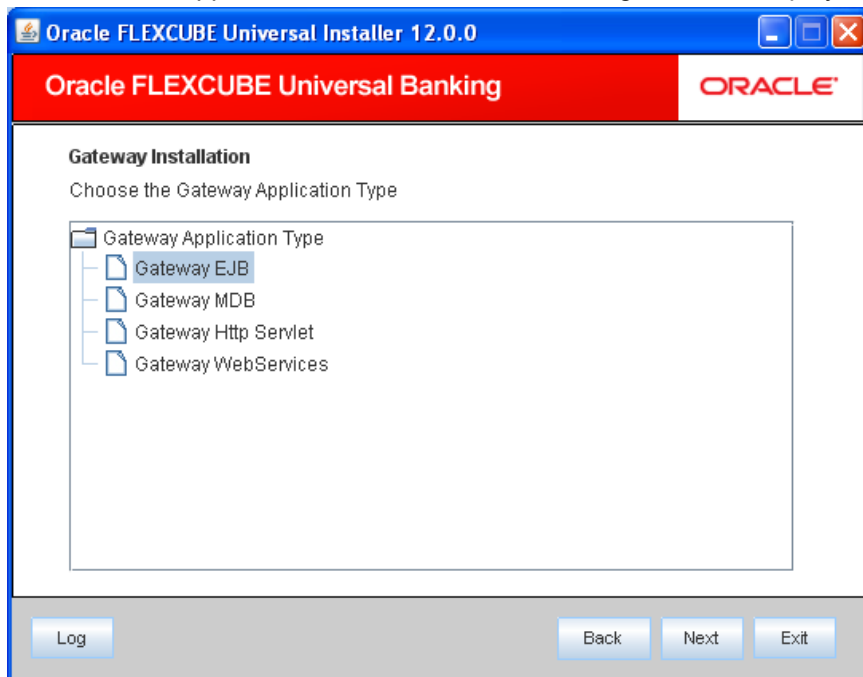


2. Choose the Application 'Gateway'. Click 'Next'.

The following screen is displayed:

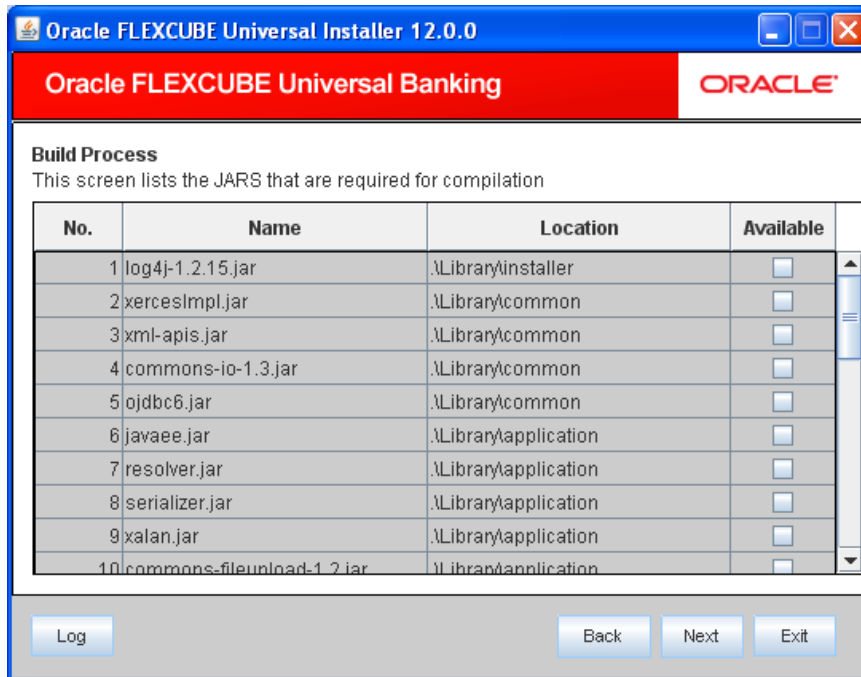


3. Choose 'Build Application'. Click 'Next'. The following screen is displayed:



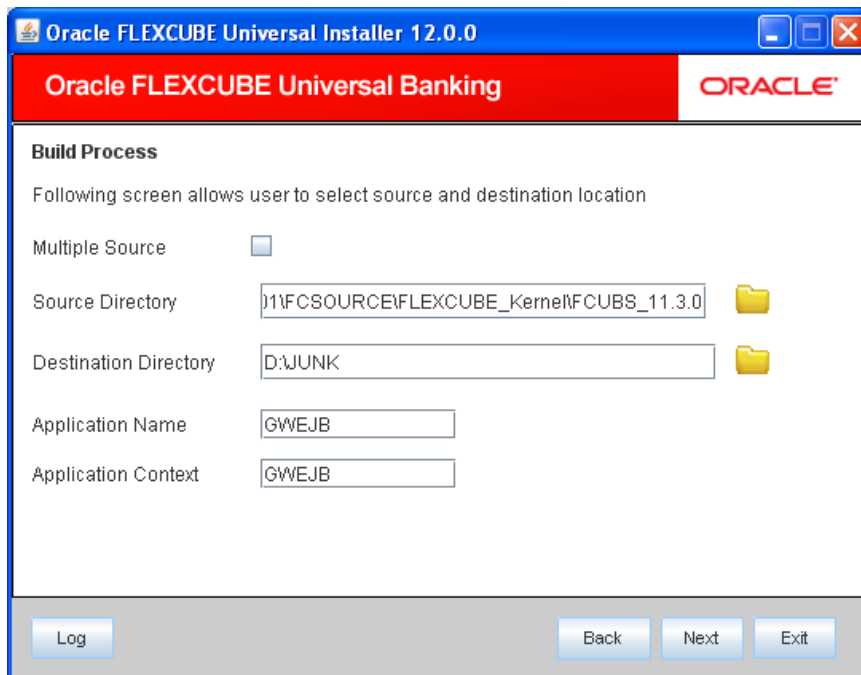
4. Choose 'Gateway EJB'. Click 'Next'.

The following screen is displayed:



Note: This screen is not available in EXEC mode installation.

5. Verify the JAR file requirements and click 'Next'.



6. Specify the following details:

Source Directory

Specify the location of the source directory.

Eg: Source_Dir\Gateway

The location of the source directory can be remote or local.

Destination Directory

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

Eg: D:\Testing\source\dest

Application Name

Specify the EAR name of the application.

The application name should not contain special characters and space. However, you may use ‘_’ (underscore).

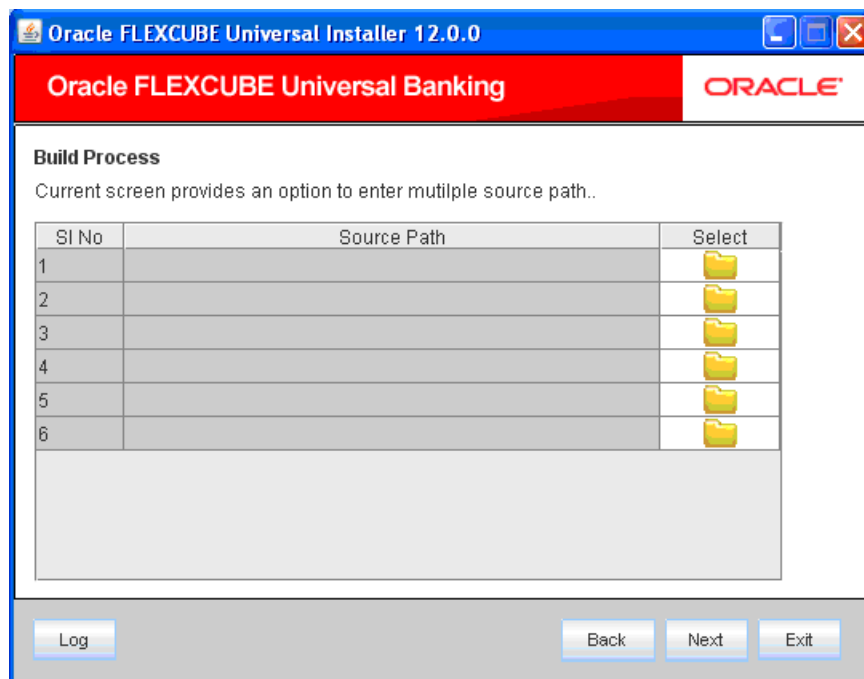
Eg: GWEJB

Application Context

Based on the Application type selected, the Installer displays the application context. However, you may modify the default value.

Multiple Sources

In case of Cluster/Patch releases, you can get the files from multiple source directories. If you check this box, the installer will not allow you to specify the source directory in this screen. On clicking ‘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.

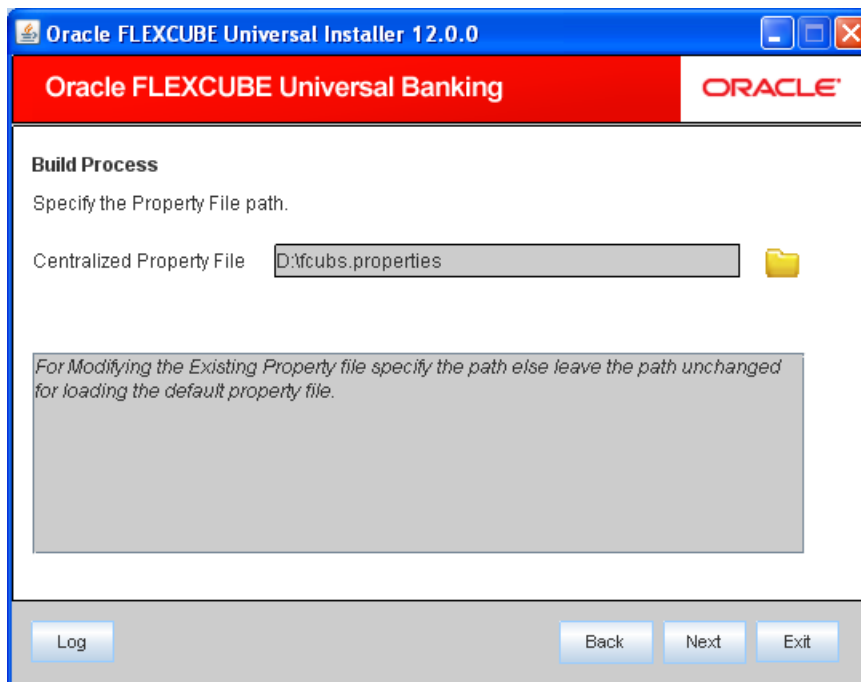
7. Once you have specified the details, click 'Next' to continue.

The EJB reference name will be '{APPLICATIONNAME}_GW_EJB_Bean' and the JNDI name will be '{APPLICATIONNAME}/ejb/GW_EJB_Bean'.

For example, consider that the application name is GWEJB. In that case EJB and JNDI names will be as follows:

- EJB reference name: GWEJB_GW_EJB_Bean
- JNDI name: GWEJB/ejb/GW_EJB_Bean

8. Click 'Next'. The following screen is displayed.



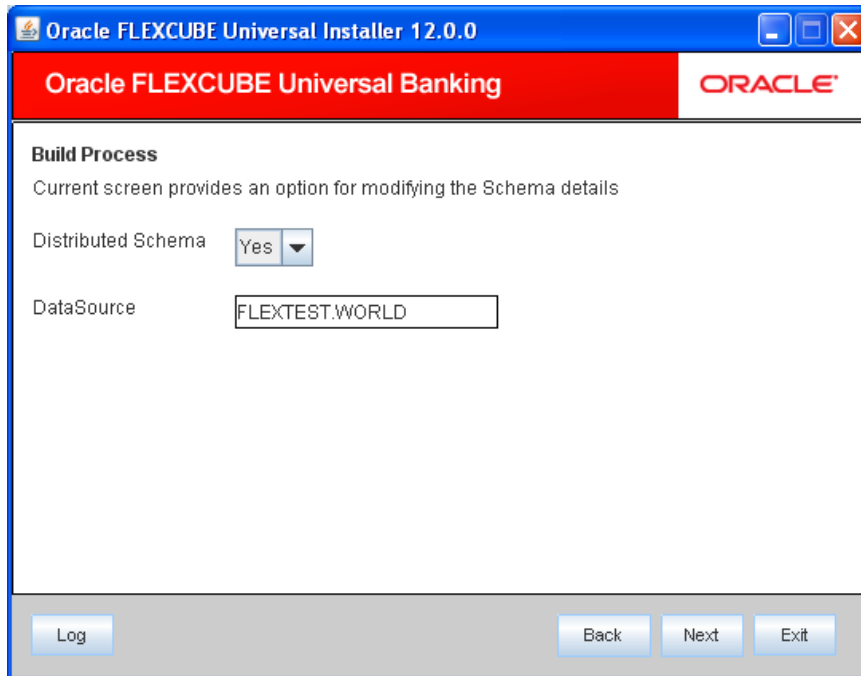
9. Specify the following details:

Centralized Property File

To modify an existing property file, you can manually specify the location of the property file.

Note: Do not load the Logger.properties file. The installer will load that file automatically based on the property file.

10. Click 'Next'. The following screen is displayed.



11. Specify the following details:

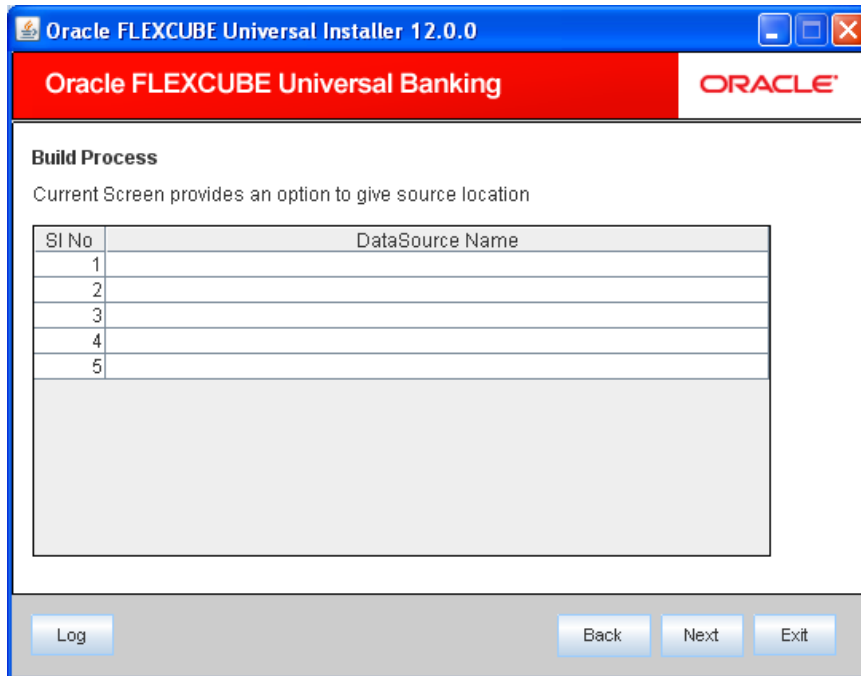
Distributed Schema

Specify whether this is a distributed schema or not. Select 'Yes' to indicate that this is a distributed schema. Otherwise, select 'No'.

Data Source

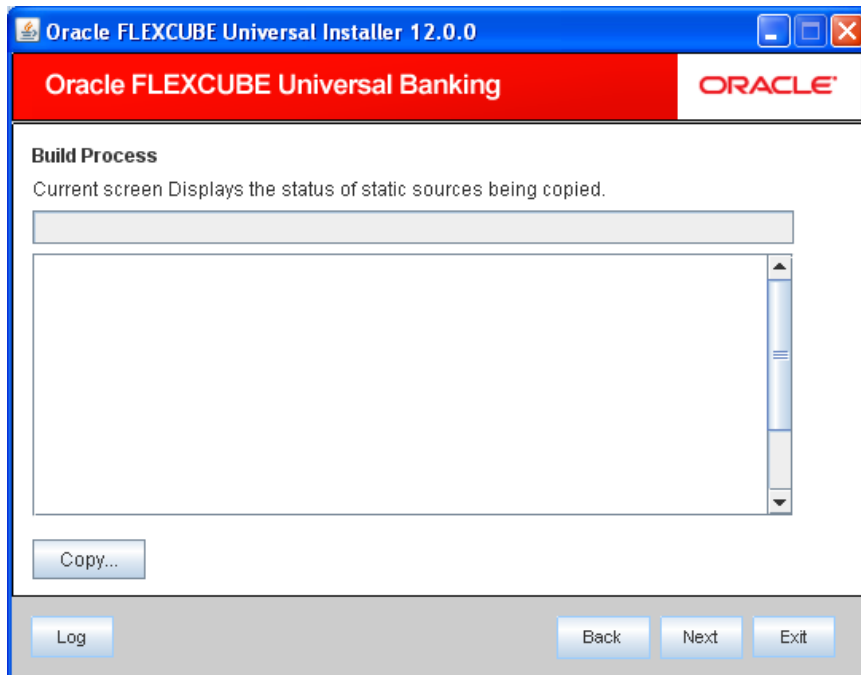
Specify the data source of the schema.

12. Click 'Next'. In case you have selected 'Yes' against Distributed Schema, the following screen is displayed.



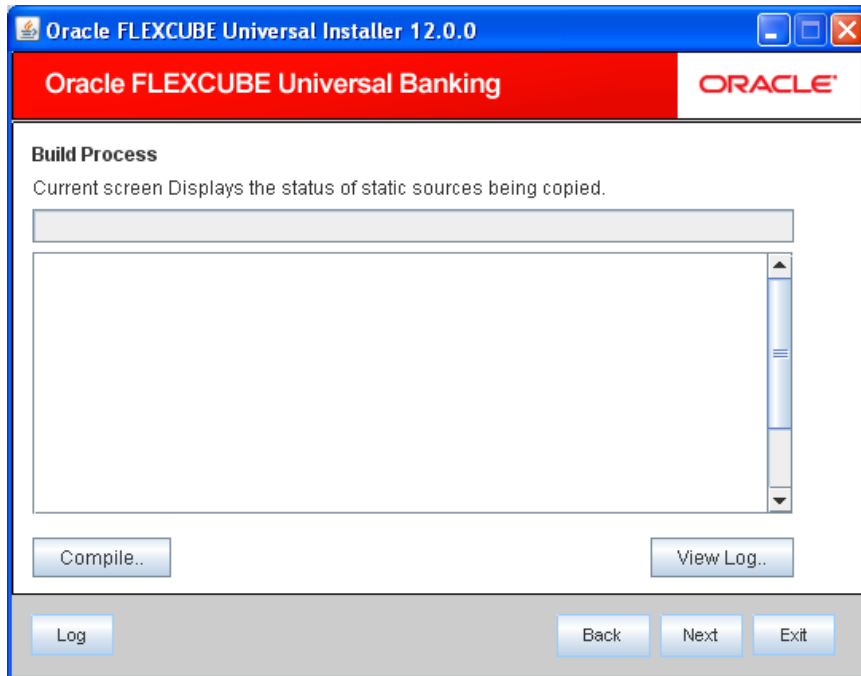
13. Specify the Datasource Names.

14. Click 'Next'. The following screen is displayed.



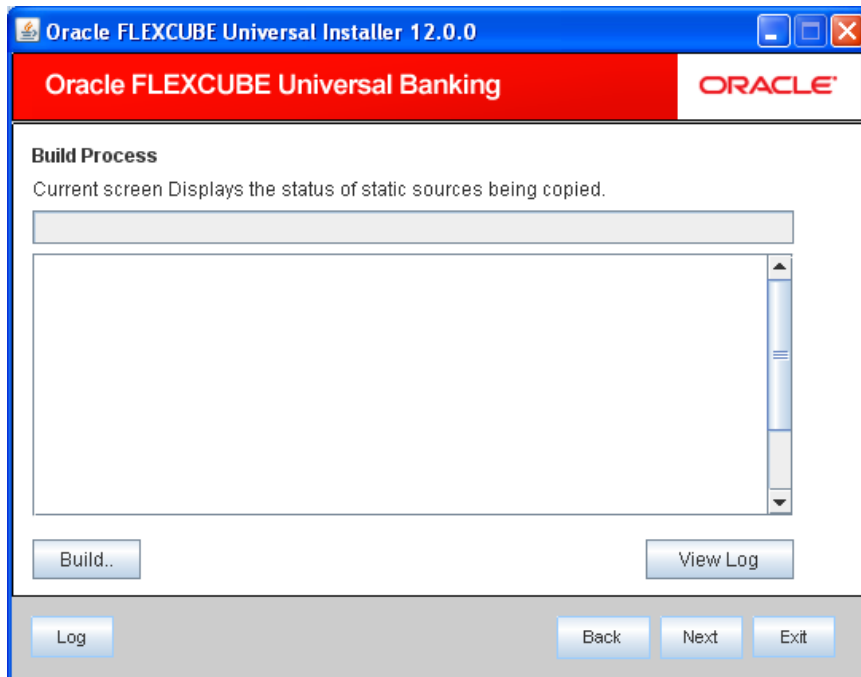
15. Click 'Copy' button. The installer copies the files.

16. Click 'Next'. The following screen is displayed.



17. Click 'Compile' button to start the compilation. The installer compiles the files.

18. Click 'Next'. The following screen is displayed.



19. 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.

1.3 **Setting up Gateway MDB Application**

This section explains the methods of setting up Gateway EJB Application.

1.3.1 **Prerequisites**

You need to create the following gateway MDB property files before building the application:

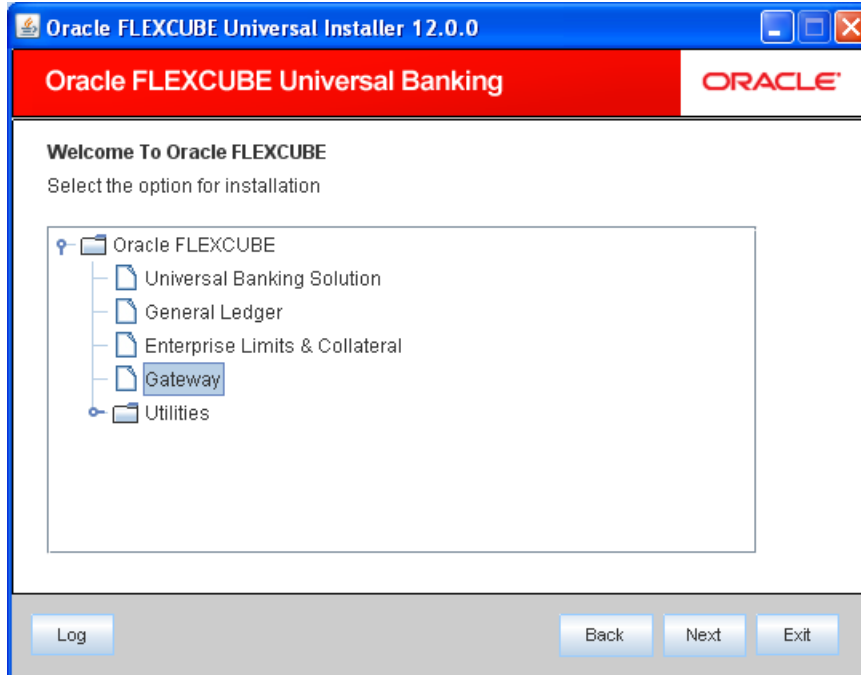
- gw_mdb_logger.properties
- GW_MDB_Prop.properties

For details, refer to the section 'Gateway MDB Application' in chapter 'Setting up Property Files' (04-PropertyFile_Setup).

1.3.2 **Building EAR File**

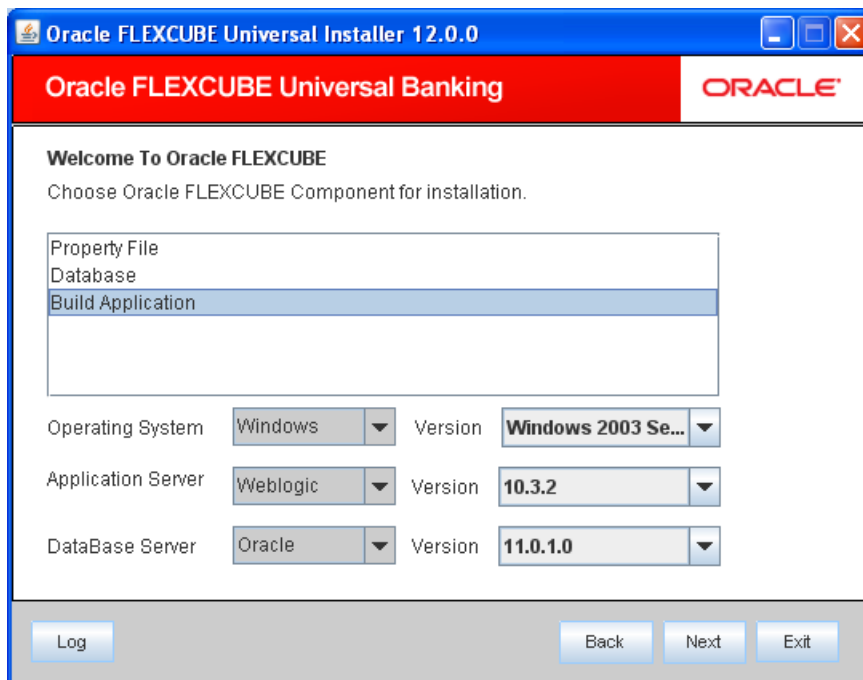
In order to build EAR file for Gateway MDB Application, you need to follow the steps given below:

1. Launch Oracle FLEXCUBE Universal Installer. The welcome screen is displayed.

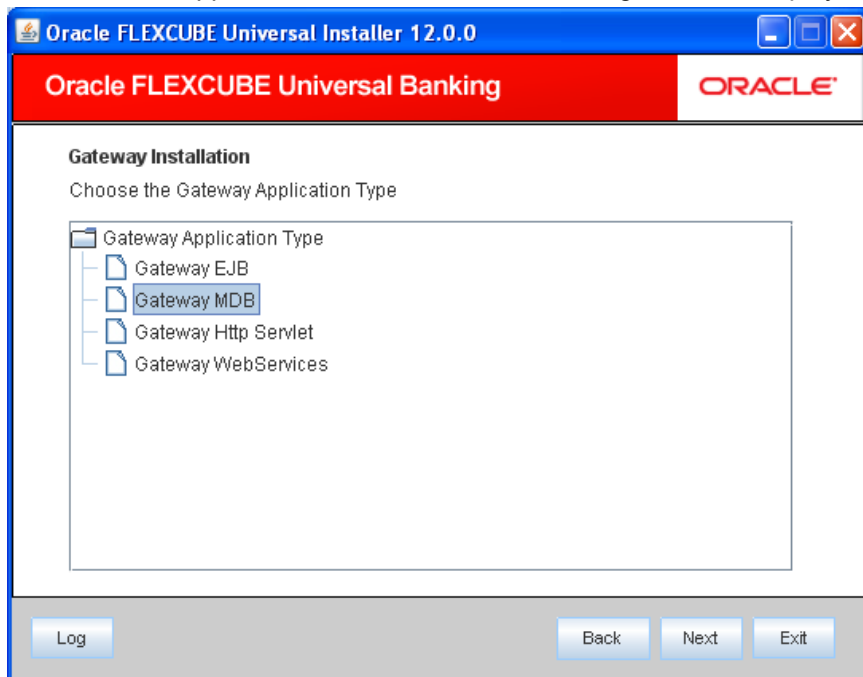


2. Choose the Application 'Gateway'. Click 'Next'.

The following screen is displayed:

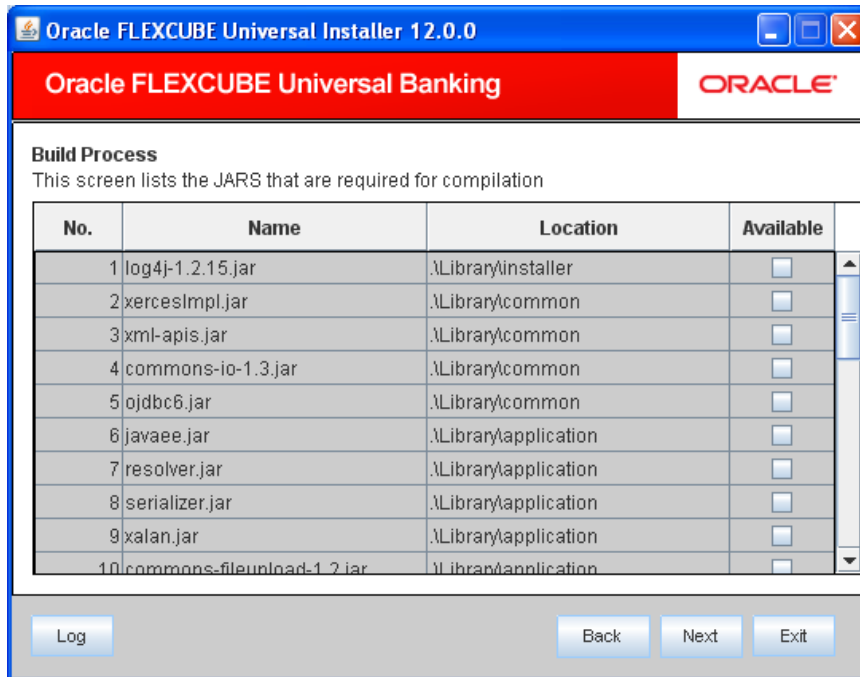


3. Choose 'Build Application'. Click 'Next'. The following screen is displayed:

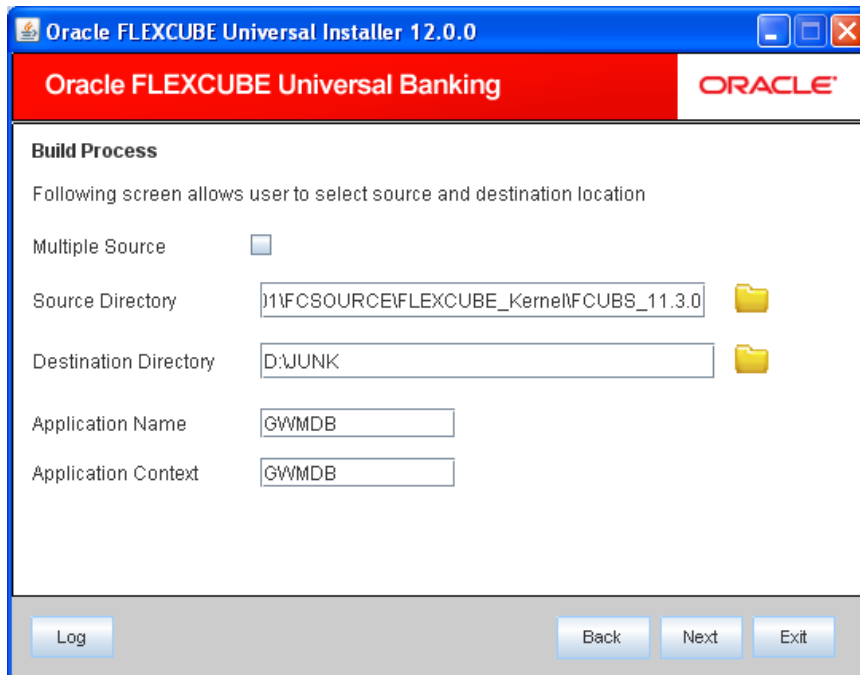


4. Choose 'Gateway MDB'. Click 'Next'.

The following screen is displayed:



5. Verify the JAR file requirements and click 'Next'.



6. Specify the following details:

Source Directory

Specify the location of the source directory.

Eg: Source_Dir\Gateway

The location of the source directory can be remote or local.

Destination Directory

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

Eg: D:\Testing\source\dest

Application Name

Specify the EAR name of the application.

The application name should not contain special characters and space. However, you may use '_' (underscore).

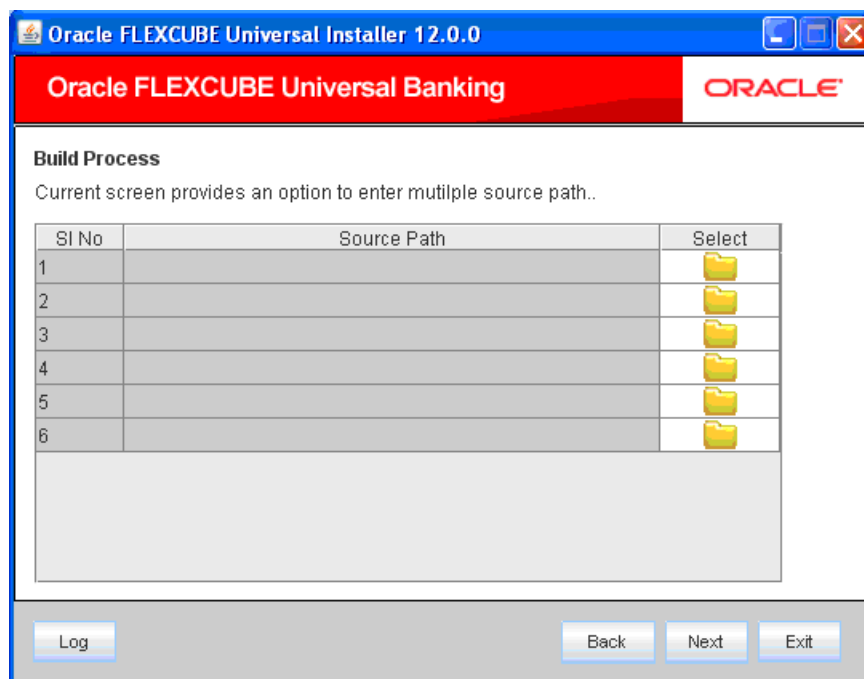
Eg: GWMDB

Application Context

Based on the Application type selected, the Installer displays the application context. However, you may modify the default value.

Multiple Sources

In case of Cluster/Patch releases, you can get the files from multiple source directories. If you check this box, the installer will not allow you to specify the source directory in this screen. On clicking '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.

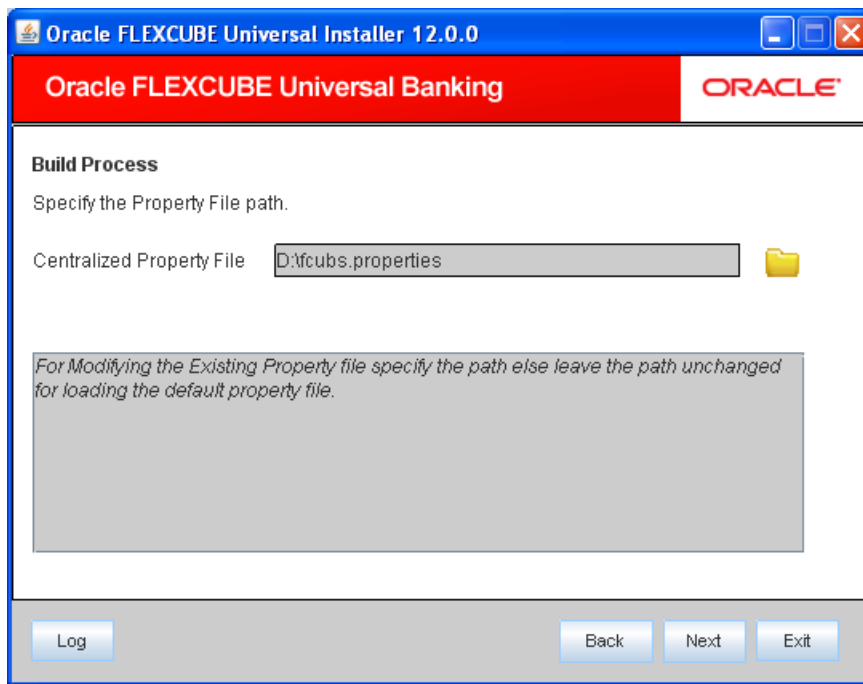
7. Once you have specified the details, click 'Next' to continue.

The EJB reference name will be '{APPLICATIONNAME}_GW_MDB_Bean' and the JNDI name will be '{APPLICATIONNAME}/ejb/GW_MDB_Bean'.

For example, consider that the application name is GWMDB. In that case EJB and JNDI names will be as follows:

- EJB reference name: GWMDB_GW_MDB_Bean
- JNDI name: GWMDB/ejb/GW_MDB_Bean

8. Click 'Next'. The following screen is displayed.



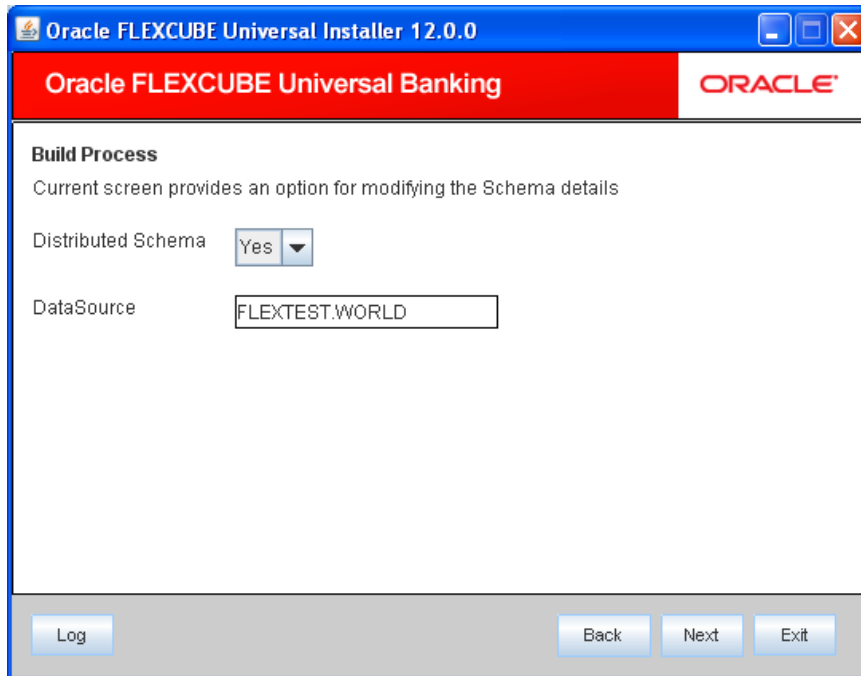
9. Specify the following details:

Centralized Property File

To modify an existing property file, you can manually specify the location of the property file.

Note: Do not load the Logger.properties file. The installer will load that file automatically based on the property file.

10. Click 'Next'. The following screen is displayed.



11. Specify the following details:

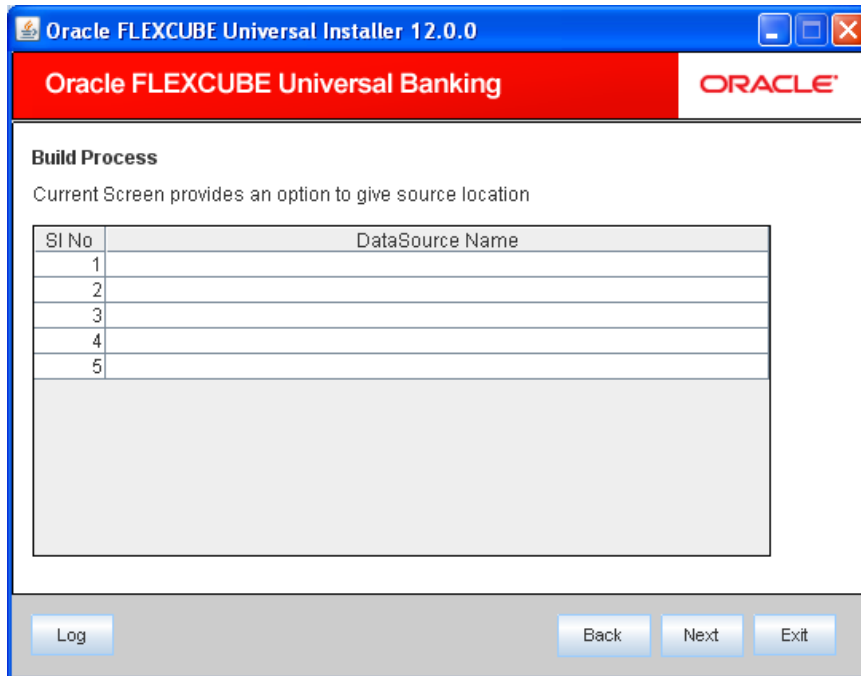
Distributed Schema

Specify whether this is a distributed schema or not. Select 'Yes' to indicate that this is a distributed schema. Otherwise, select 'No'.

Data Source

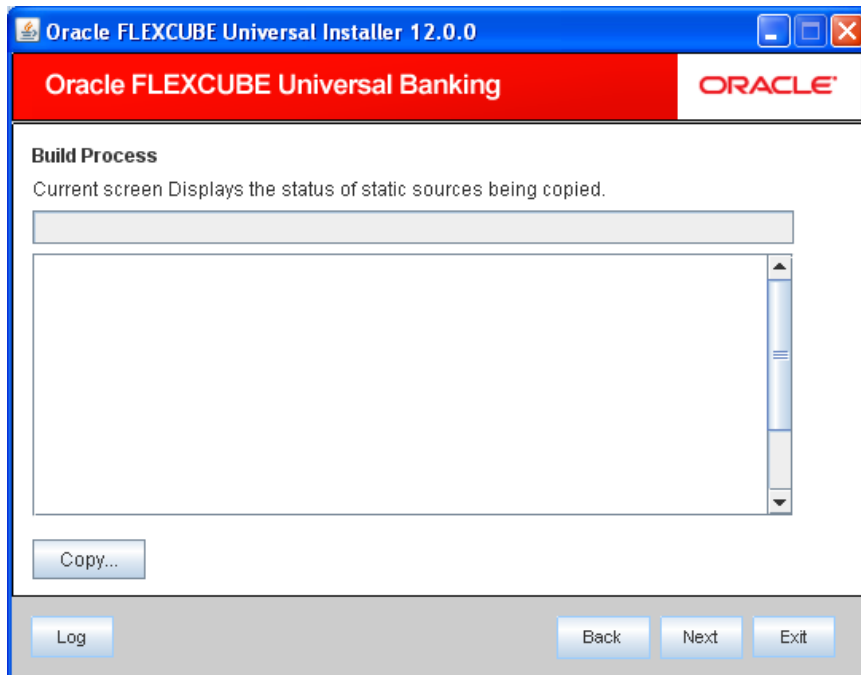
Specify the data source of the schema.

12. Click 'Next'. In case you have selected 'Yes' against Distributed Schema, the following screen is displayed.



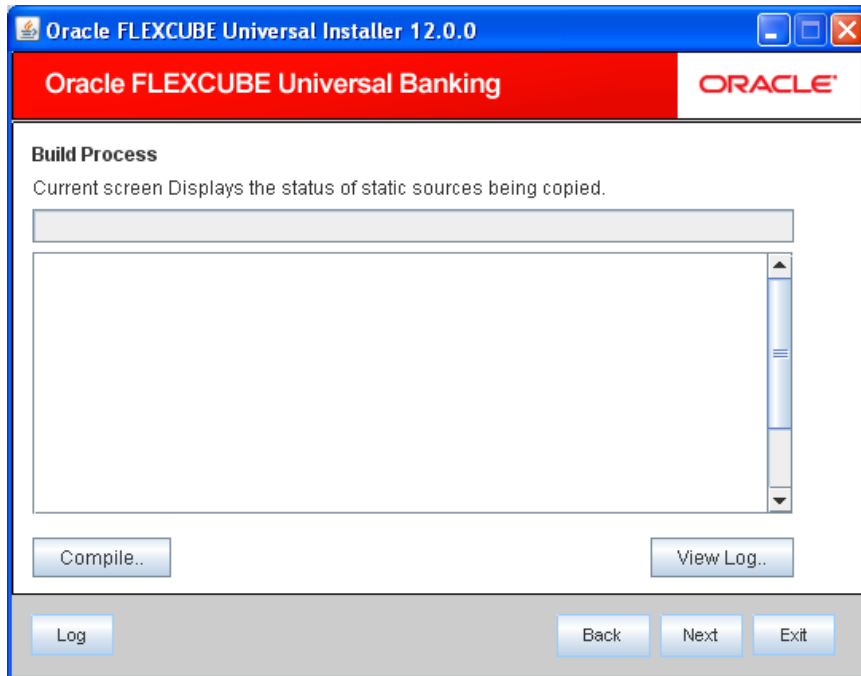
13. Specify the Datasource Names.

14. Click 'Next'. The following screen is displayed.



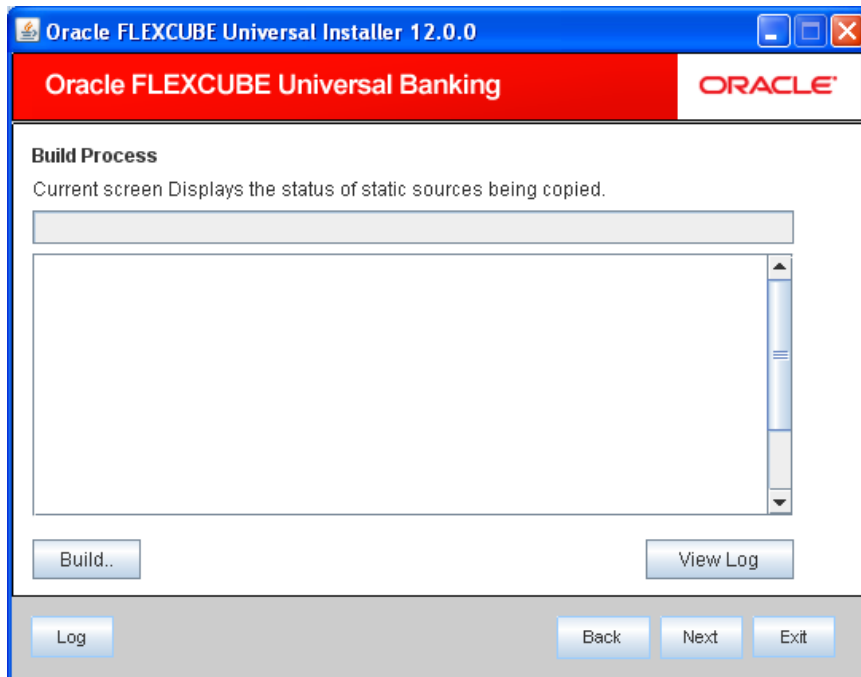
15. Click 'Copy' button. The installer copies the files.

16. Click 'Next'. The following screen is displayed.



17. Click 'Compile' button to start compilation. The installer compiles the files.

18. Click 'Next'. The following screen is displayed.



19. 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.

1.4 **Setting up Gateway HTTP Application**

This section explains the methods of setting up Gateway EJB Application. This is not applicable in EXEC mode of installation.

1.4.1 **Prerequisites**

You need to create the following gateway HTTP property files before building the application:

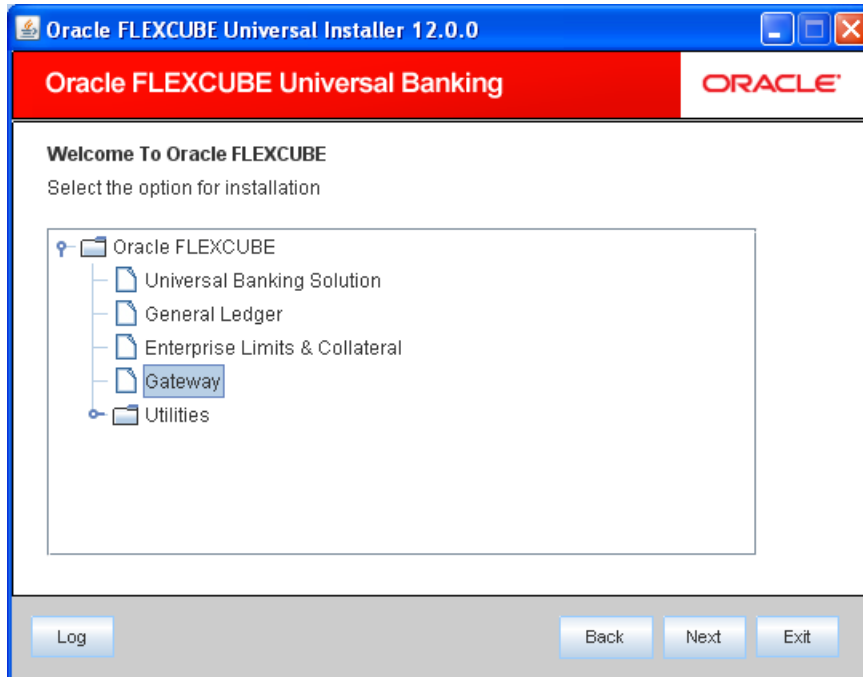
- gw_http_logger.properties
- GW_HTTP_Prop.properties

For details, refer to the section 'Gateway HTTP Application' in chapter 'Setting up Property Files' (04-PropertyFile_Setup).

1.4.2 **Building EAR file**

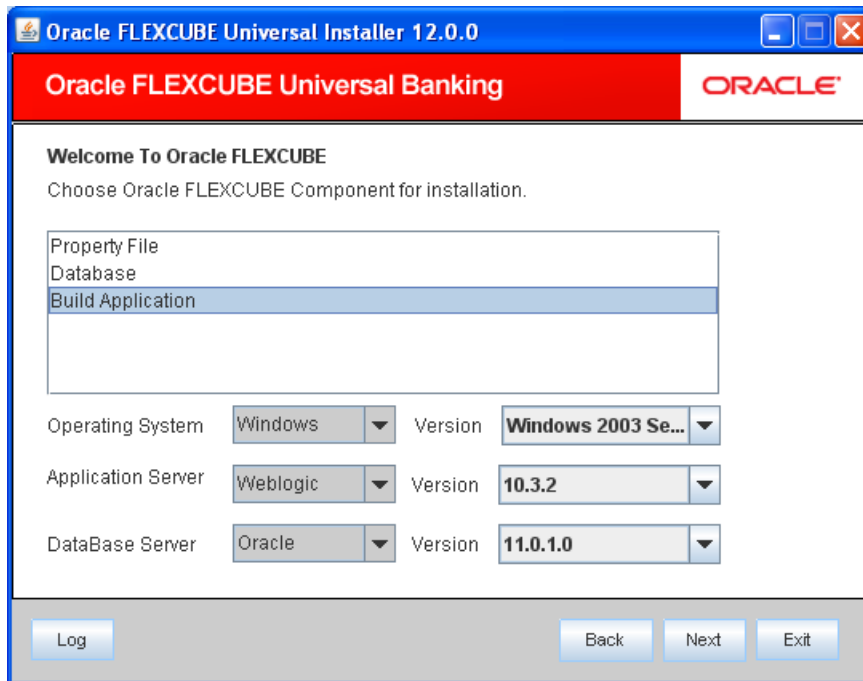
In order to build EAR file for Gateway HTTP Application, you need to follow the steps given below:

1. Launch Oracle FLEXCUBE Universal Installer. The welcome screen is displayed.

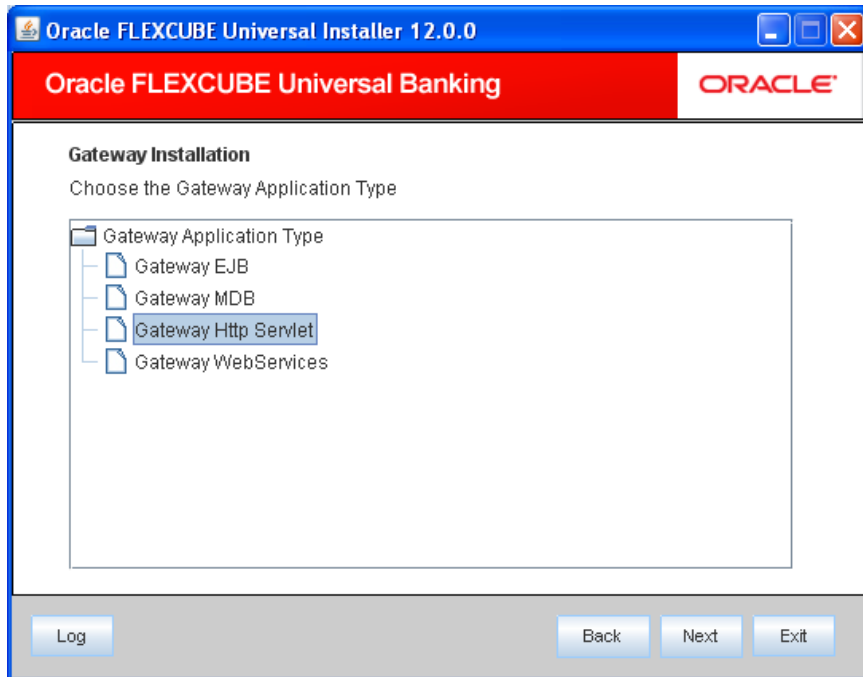


2. Choose the Application 'Gateway'. Click 'Next'.

The following screen is displayed:

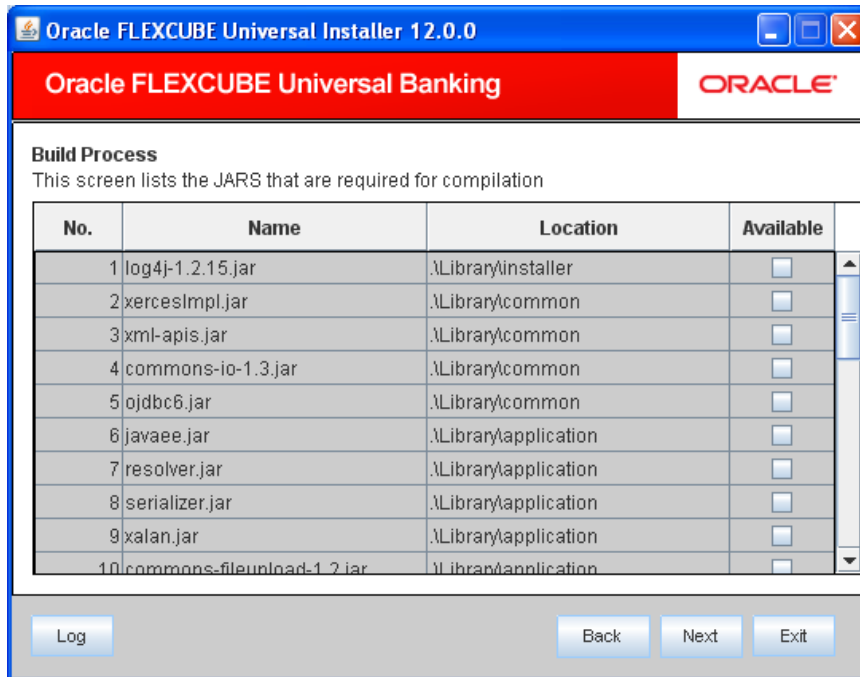


3. Choose 'Build Application'. Click 'Next'. The following screen is displayed:

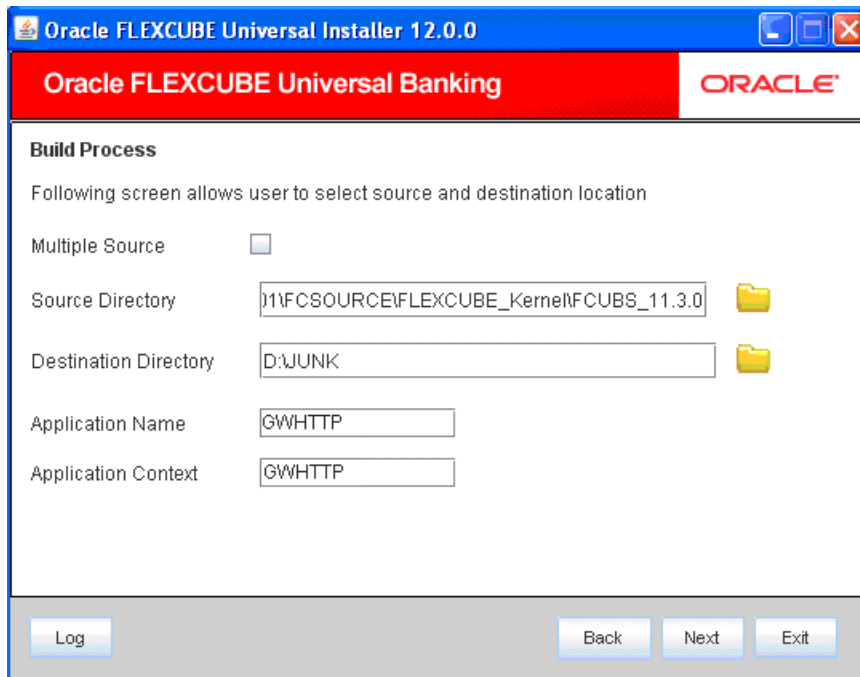


4. Choose 'Gateway Http Servlet'. Click 'Next'.

The following screen is displayed:



5. Verify the JAR file requirements and click 'Next'.



6. Specify the following details:

Source Directory

Specify the location of the source directory.

Eg: Source_Dir\Gateway

The location of the source directory can be remote or local.

Destination Directory

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

Eg: D:\Testing\source\dest

Application Name

Specify the EAR name of the application.

The application name should not contain special characters and space. However, you may use '_' (underscore).

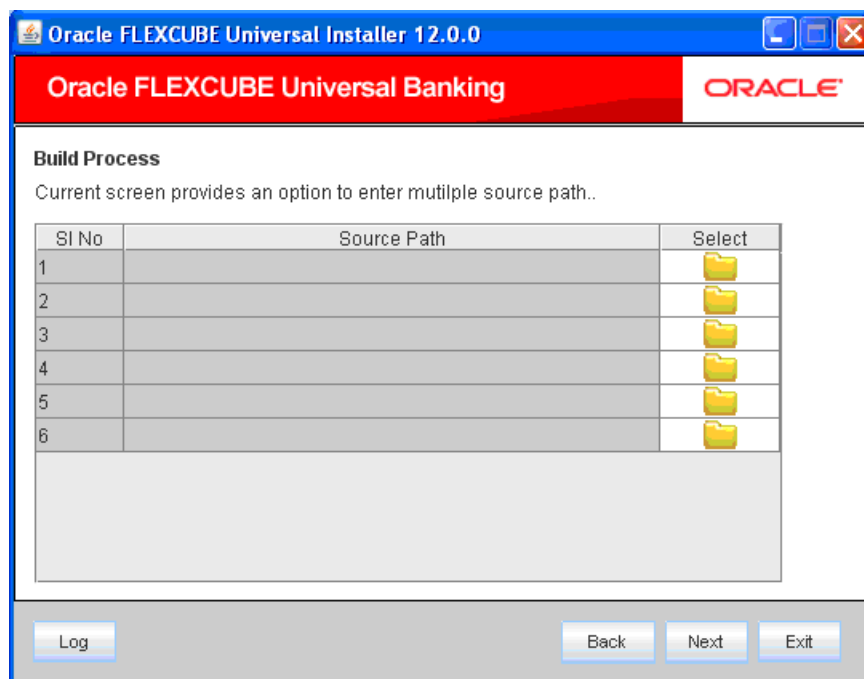
Eg: GWHTTP

Application Context

Based on the Application type selected, the Installer displays the application context. However, you may modify the default value.

Multiple Sources

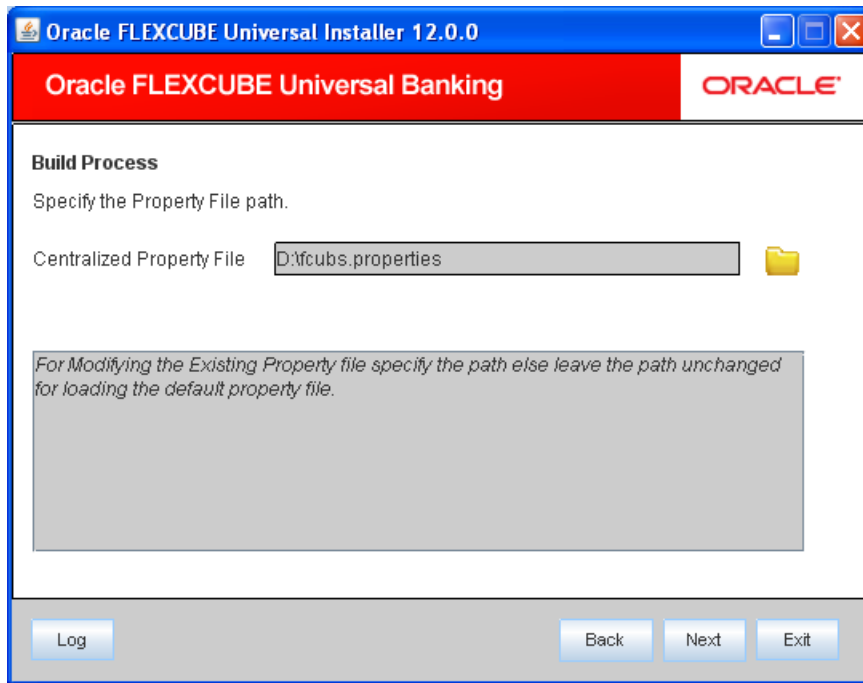
In case of Cluster/Patch releases, you can get the files from multiple source directories. If you check this box, the installer will not allow you to specify the source directory in this screen. On clicking 'Next', the following screen is displayed.



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.

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

8. The following screen is displayed.



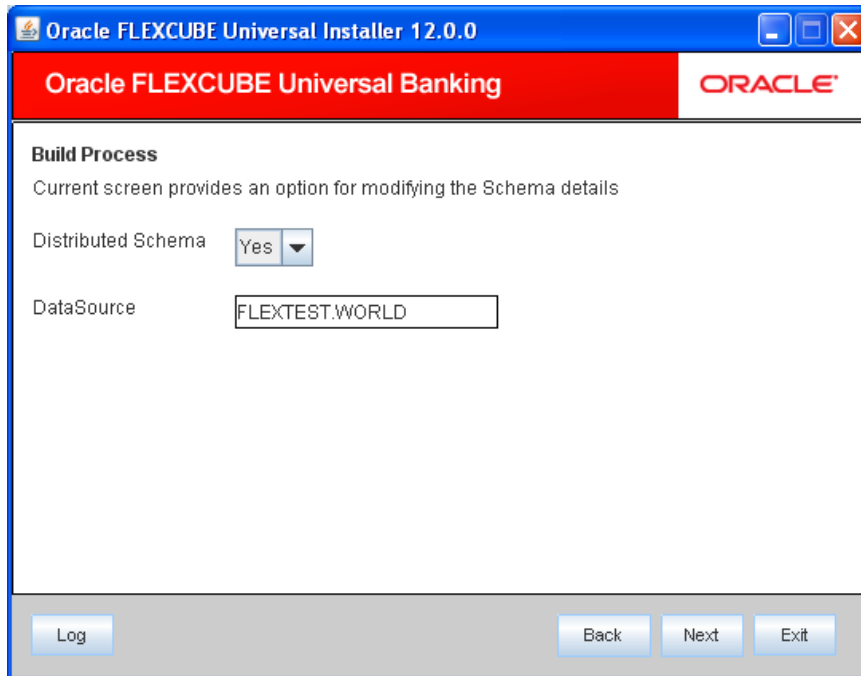
9. Specify the following details:

Centralized Property File

To modify an existing property file, you can manually specify the location of the property file.

Note: Do not load the Logger.properties file. The installer will load that file automatically based on the property file.

10. Click 'Next'. The following screen is displayed.



11. Specify the following details:

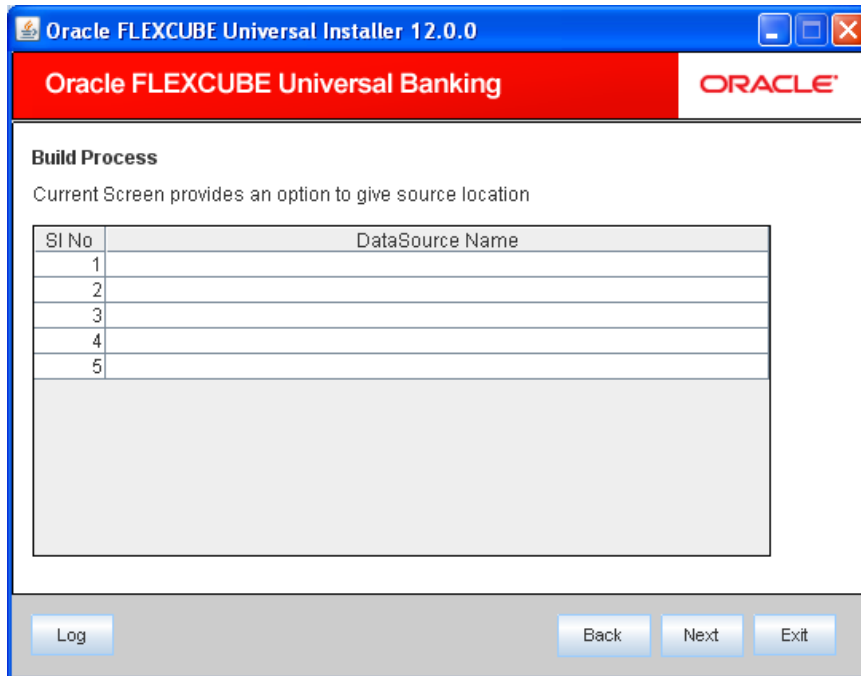
Distributed Schema

Specify whether this is a distributed schema or not. Select 'Yes' to indicate that this is a distributed schema. Otherwise, select 'No'.

Data Source

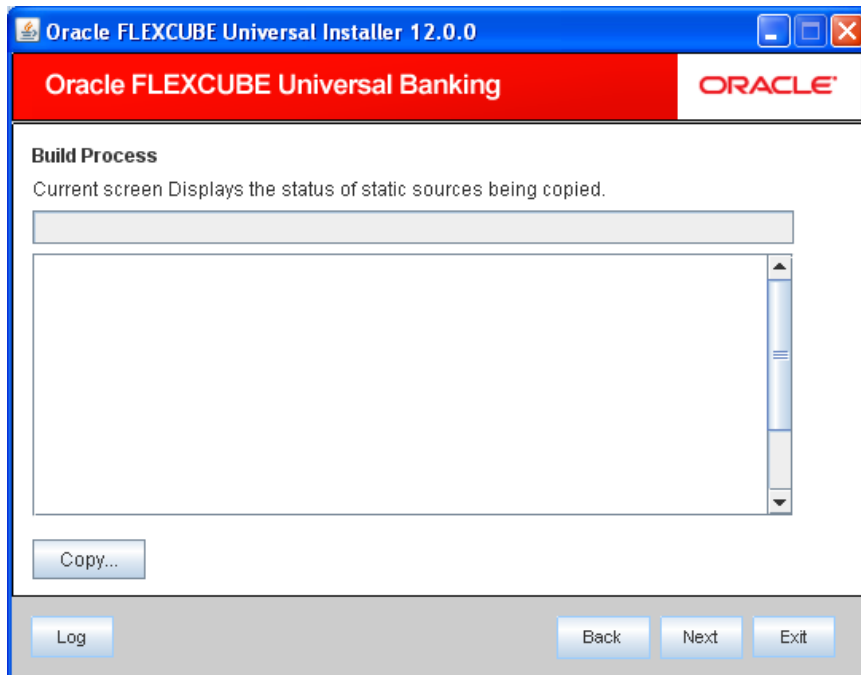
Specify the data source of the schema.

12. Click 'Next'. In case you have selected 'Yes' against Distributed Schema, the following screen is displayed.



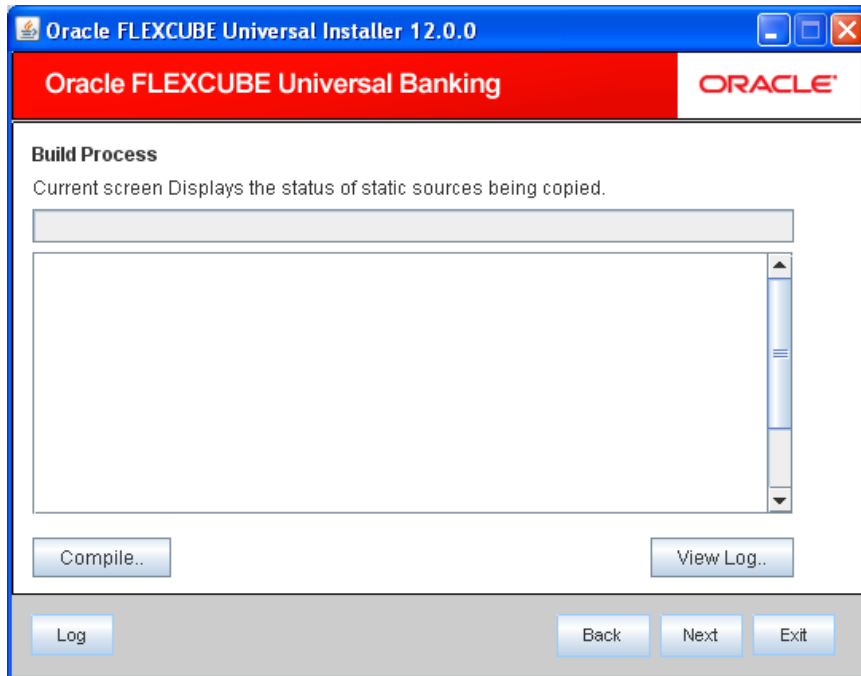
13. Specify the Datasource Names.

14. Click 'Next'. The following screen is displayed.



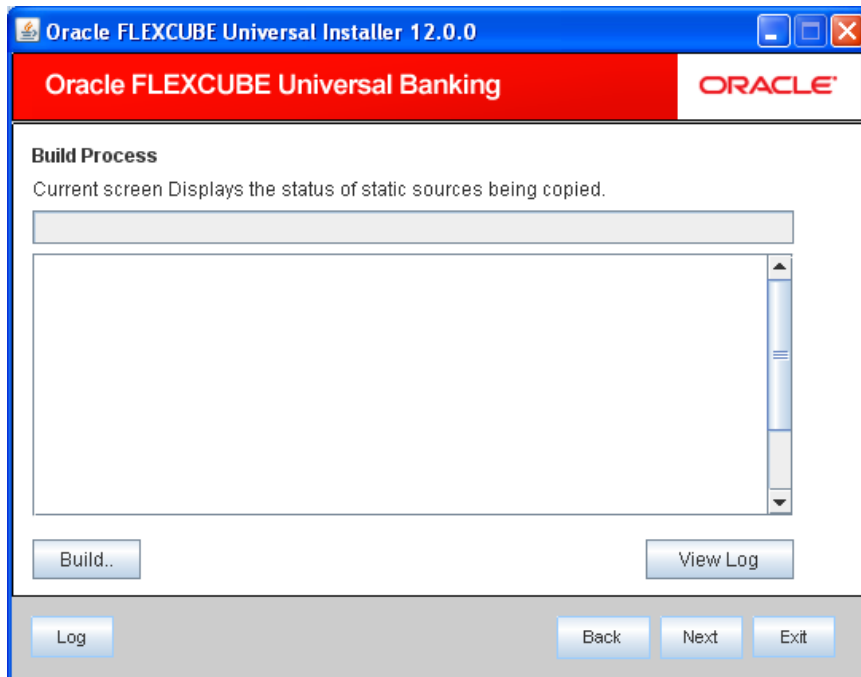
15. Click 'Copy' button. The installer copies the files.

16. Click 'Next'. The following screen is displayed.



17. Click 'Compile' button to start the compilation. The installer compiles the files.

18. Click 'Next'. The following screen is displayed.



19. 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.

1.5 Setting up Gateway Web Service Application

1.5.1 Prerequisites

You need to create the following gateway HTTP property files before building the application:

- gw_ws_logger.properties
- GW_WS_Prop.properties

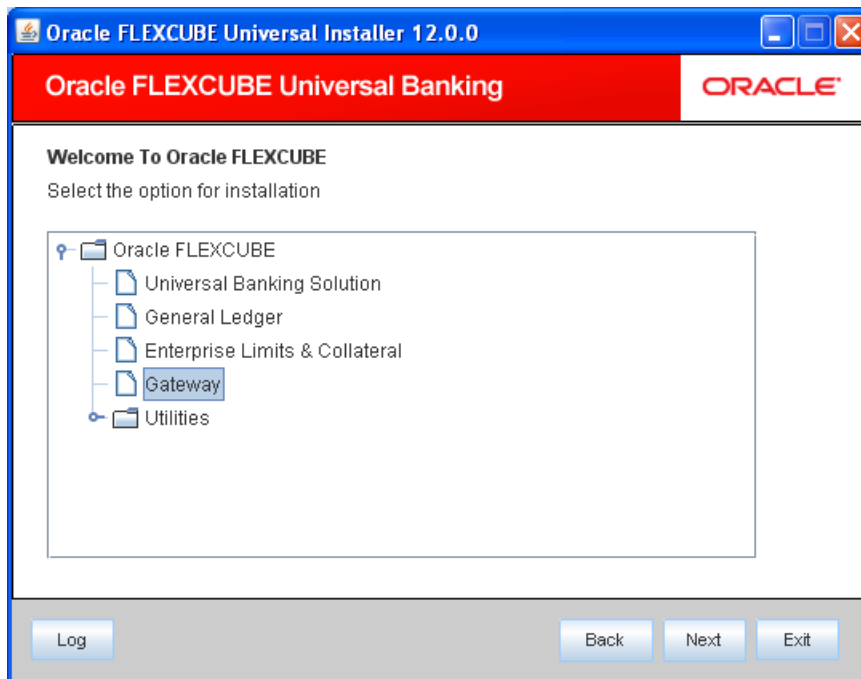
For details, refer to the section 'Gateway Web Services Application' in chapter 'Setting up Property Files' 04-PropertyFile_Setup.

You must create the environment variables for the corresponding application. For details, refer to the section 'For Gateway Web Service Application Building' in chapter 'Setting up Oracle FLEXCUBE Installer' (02-Installer_Installation).

1.5.2 Building EAR File

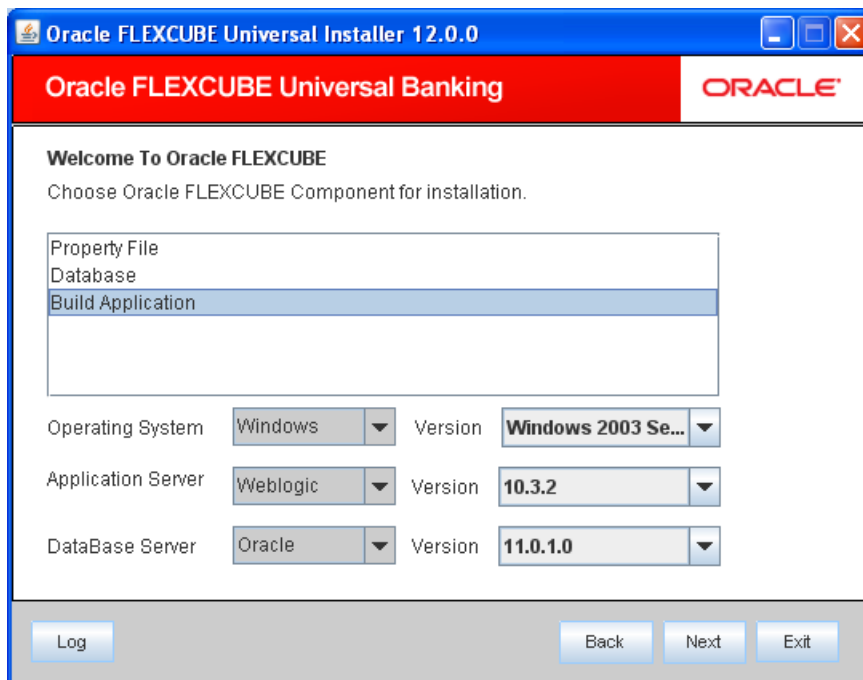
In order to build EAR file for Gateway Web Service Application, you need to follow the steps given below:

1. Launch Oracle FLEXCUBE Universal Installer. The welcome screen is displayed.

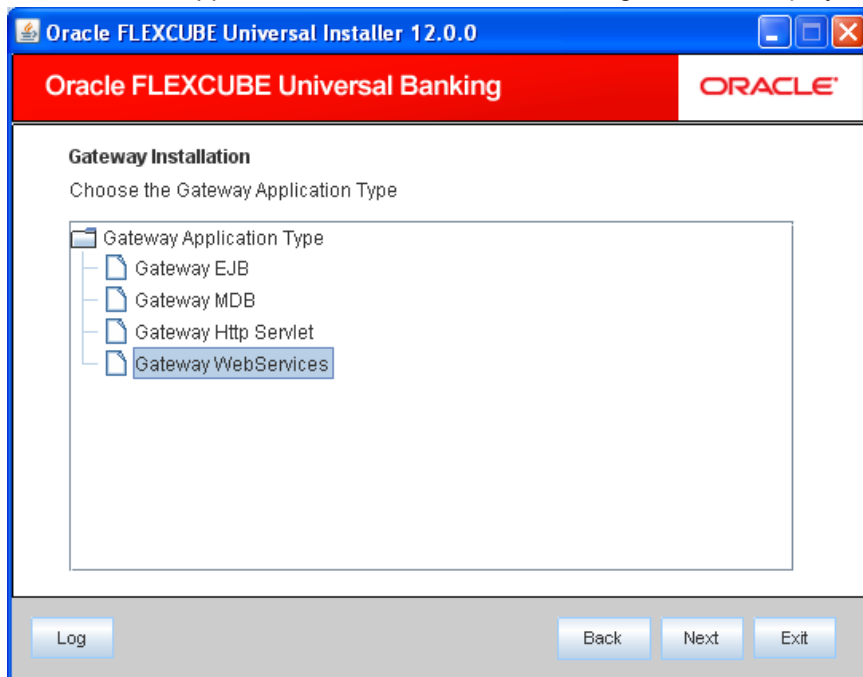


2. Choose the Application 'Gateway'. Click 'Next'.

The following screen is displayed:

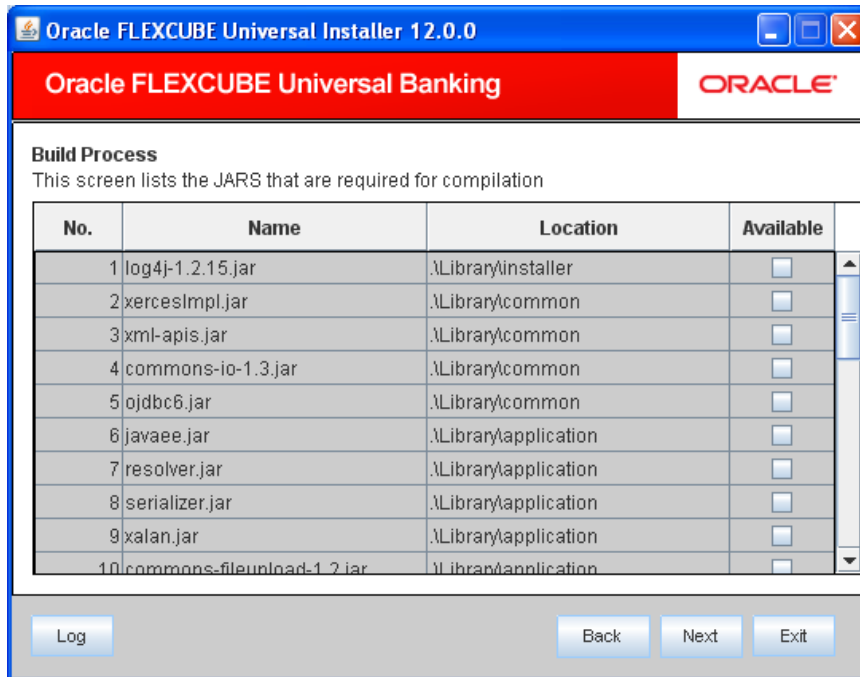


3. Choose 'Build Application'. Click 'Next'. The following screen is displayed:

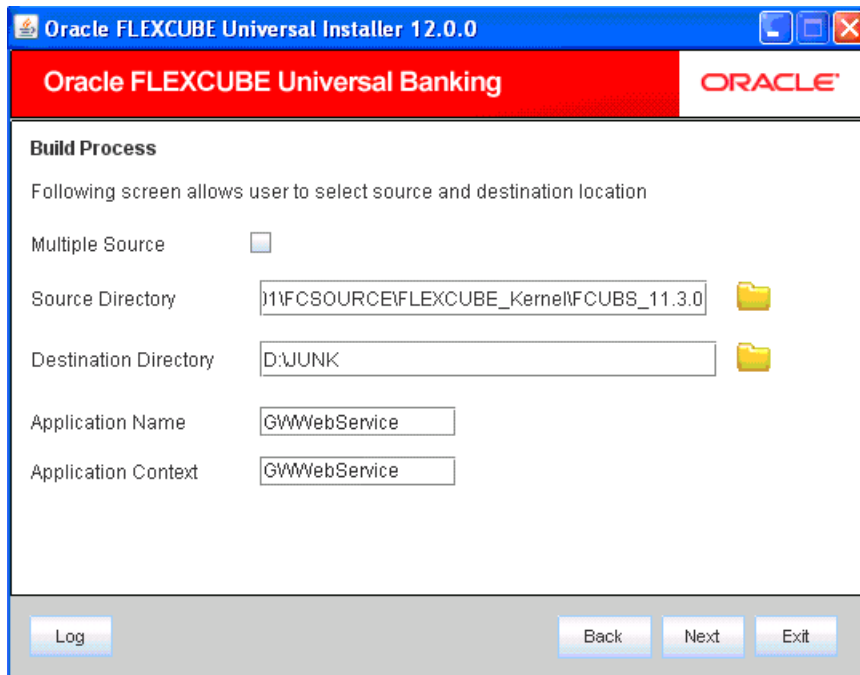


4. Choose 'Gateway WebServices'. Click 'Next'.

The following screen is displayed:



5. Verify the JAR file requirements and click 'Next'.



Note: This screen is not displayed in EXEC mode of installation.

6. Specify the following details:

Source Directory

Specify the location of the source directory.

Eg: Source_Dir\Gateway

The location of the source directory can be remote or local.

Destination Directory

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

Eg: D:\Testing\source\dest

Application Name

Specify the EAR name of the application.

The application name should not contain special characters and space. However, you may use ‘_’ (underscore).

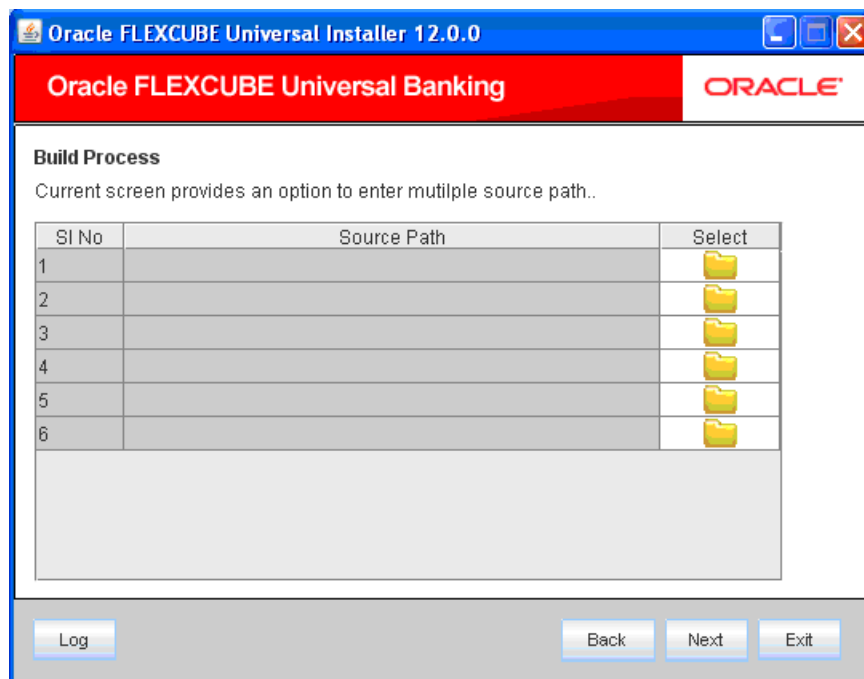
Eg: GWWebServies

Application Context

Based on the Application type selected, the Installer displays the application context. However, you may modify the default value.

Multiple Sources

In case of Cluster/Patch releases, you can get the files from multiple source directories. If you check this box, the installer will not allow you to specify the source directory in this screen. On clicking ‘Next’, the following screen is displayed.



Note: This screen is not displayed in EXEC mode of installation.

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.

In EXEC mode of installation, on clicking 'Next' after verifying the JAR requirement, you will be navigated to the following screen.

Oracle FLEXCUBE Universal Installer 12.0.0

Oracle FLEXCUBE Universal Banking ORACLE

Build Process

Following screen allows user to select source and destination location

Multiple Source ☐

Source Directory

Destination Directory

Application Name

☐ XSD Modified ☐ WSDL Modified

Log Back Next Exit

Here you can specify details regarding source directory, destination directory and application name.

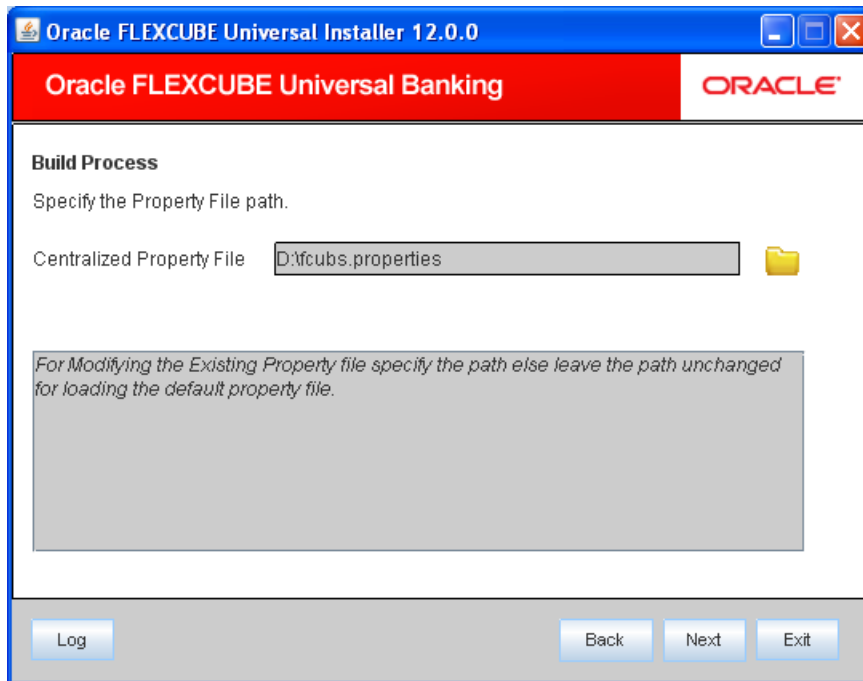
XSD Recompilation Required

You can check this box if the installer needs to recompile web services with new XSDs. This is required when an XSD is modified.

WSDL Modified

You can check this box if the installer needs to recompile web services with new WSDLs. This is required when WSDL is modified.

7. Once you have specified the details, click 'Next' to continue.
8. The following screen is displayed.



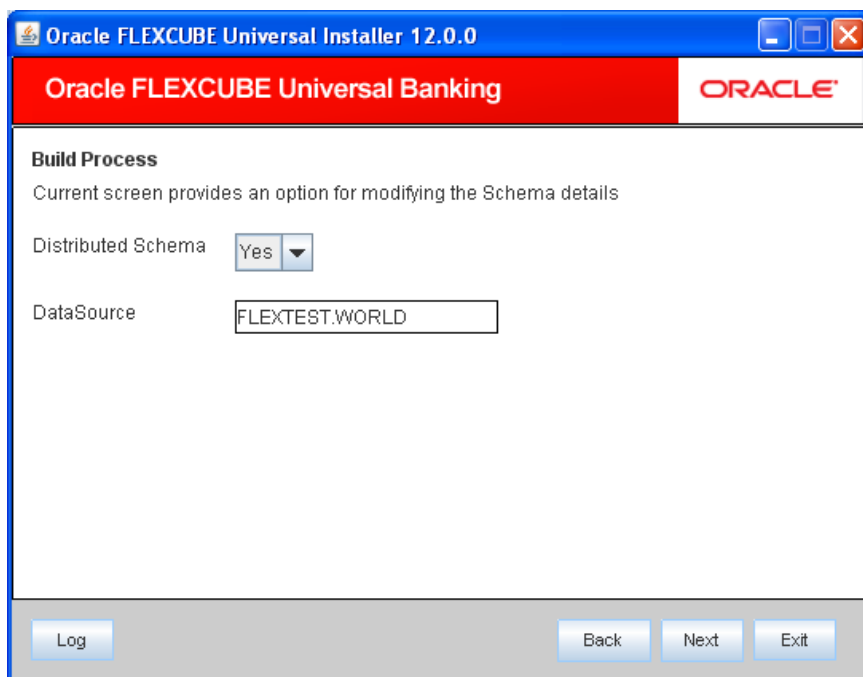
9. Specify the following details:

Centralized Property File

To modify an existing property file, you can manually specify the location of the property file.

Note: Do not load the Logger.properties file. The installer will load that file automatically based on the property file.

10. Click 'Next'. The following screen is displayed.



11. Specify the following details:

Distributed Schema

Specify whether this is a distributed schema or not. Select 'Yes' to indicate that this is a distributed schema. Otherwise, select 'No'.

Data Source

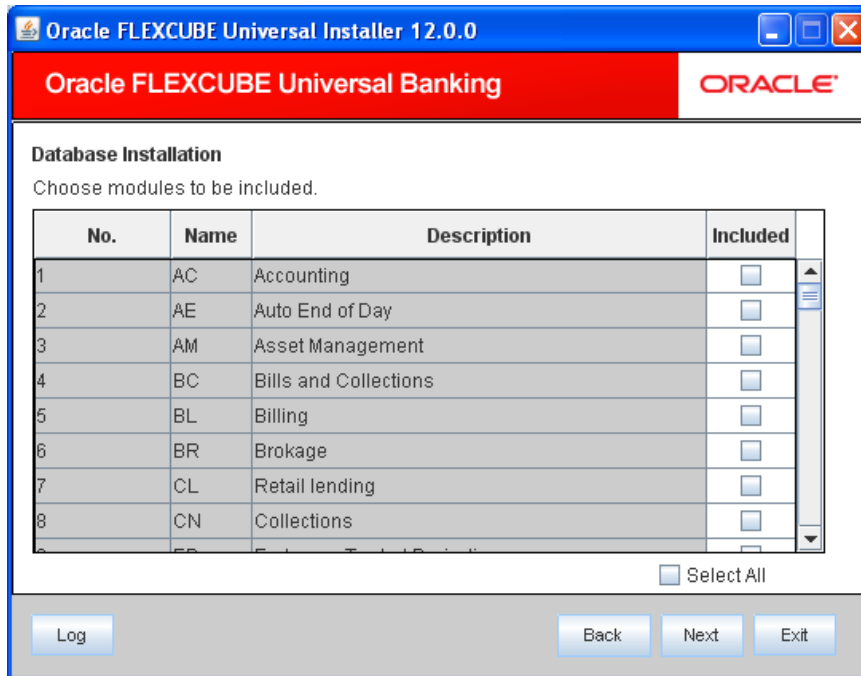
Specify the data source of the schema.

12. Click 'Next'. In case you have selected 'Yes' against Distributed Schema, the following screen is displayed.

SI No	DataSource Name
1	
2	
3	
4	
5	

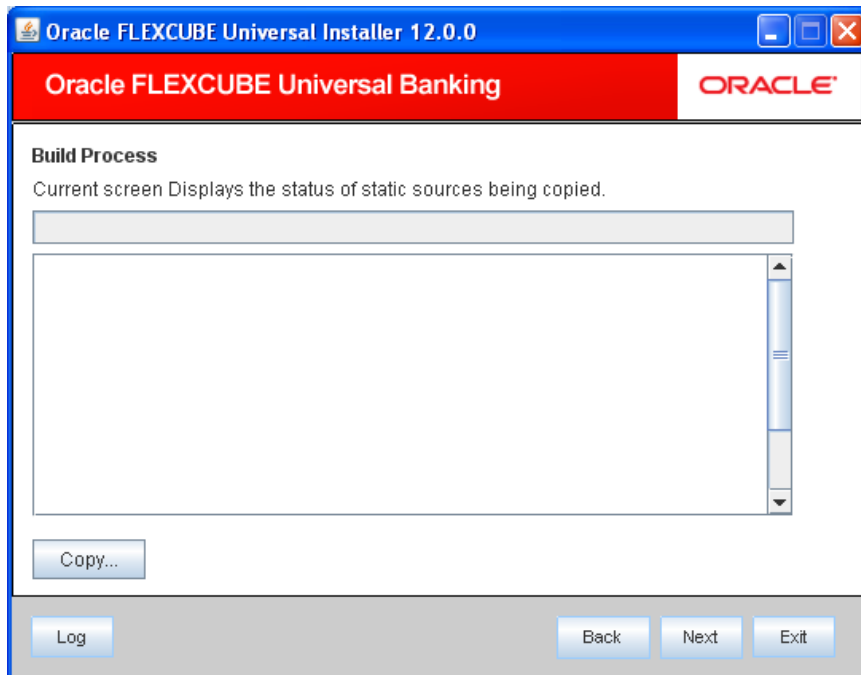
13. Specify the Datasource Names.

14. Click 'Next'. The following screen is displayed.



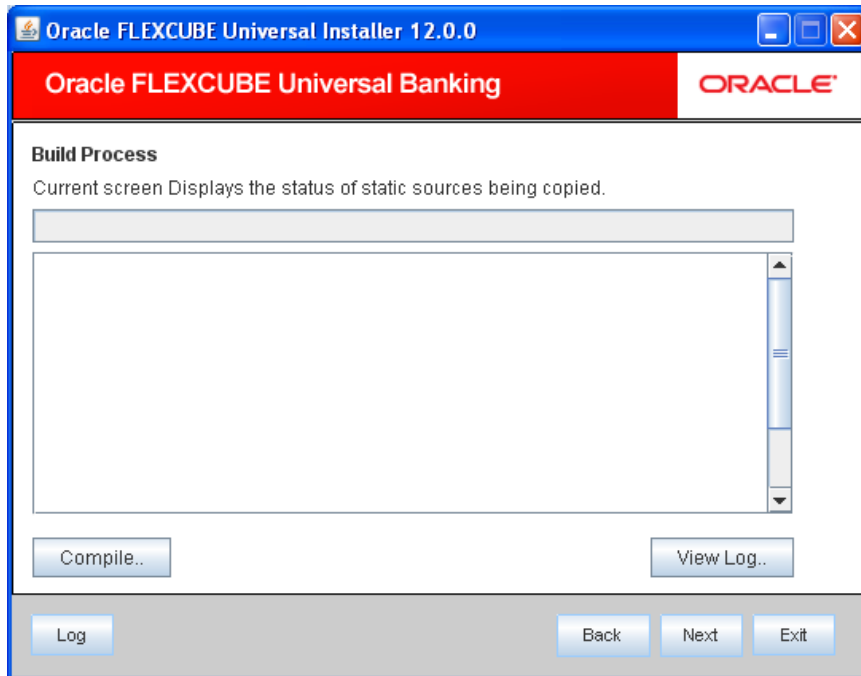
15. Select the modules to be included for Web Services.

16. Click 'Next'. The following screen is displayed.



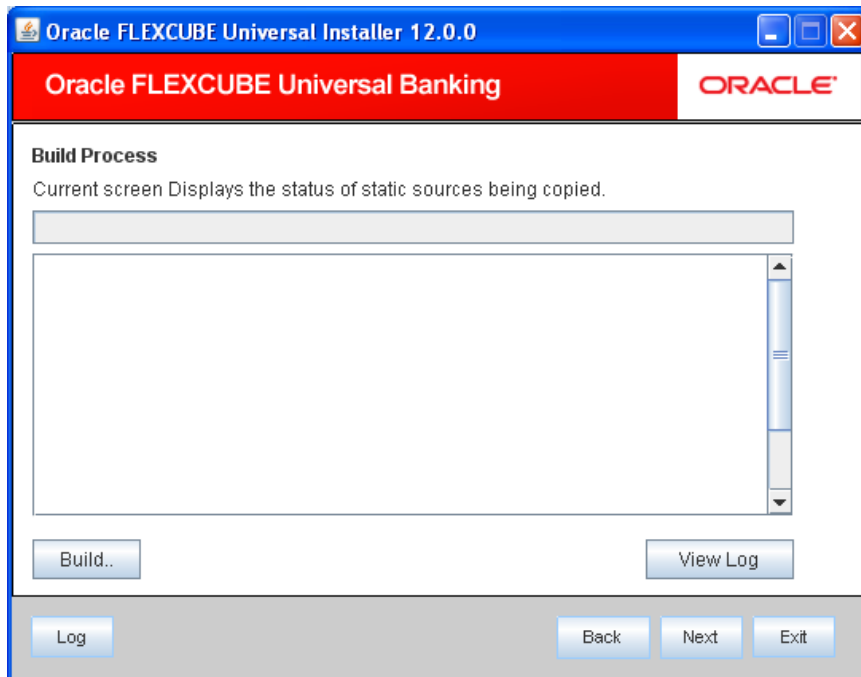
17. Click 'Copy' button. The installer copies the files.

18. Click 'Next'. The following screen is displayed.



19. Click 'Compile' button to start the compilation. The installer compiles the files.

20. Click 'Next'. The following screen is displayed.



21. 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. Post Building Activity

2.1 Introduction

This section introduces you to the activities to be carried out after setting up the gateway applications.

2.1.1 Gateway Configuration

Gateway application looks for the required files inside the 'XSD Path' and 'Logger File' provided at the time of Gateway Property creation.

Refer to the step 7 in the chapter 'Creating Property File for Gateway Applications' in the manual 'Setting up Property File' for details.

You need to maintain the following files in XSD Path and Logger Path:

Path	Files
Logger Path	Logger path should contain the gateway property files generated by the Installer. For example, for Gateway EJB application, the installer generates the files 'gw_ejb_logger.properties' and 'GW_EJB_Prop.properties'. While creating the property file if you specify the 'Logger Path' as 'D:/Kernel11.1/GW_EJB/config/gw_ejb_logger.properties', then you need to place both the files 'gw_ejb_logger.properties' and 'GW_EJB_Prop.properties' inside the folder 'D:/Kernel11.1/GW_EJB/config/'.
XSD Path	XSD Path should contain the common XSD files as well as the gateway module specific XSD files which are related to gateway operation. Copy the common XSD files from 'MAIN\Core\Gateway\COMMON' to the XSD Path. Copy the module specific XSD files from 'MAIN/<module>/ Gateway/XSD' to the XSD Path.

2.1.2 Deployment Using Oracle WebLogic Application Server

For details on the manual deployment using Oracle WebLogic Application Server, refer to the chapter 'Gateway Application with WebLogic' (GATEWAY_Applications_WL).

2.1.3 Deployment Using IBM WebSphere Application Server

For details on the manual deployment using IBM WebSphere Application Server, refer to the chapter 'Gateway Application with WebSphere' (GATEWAY_Applications_WAS.doc).



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