

FCUBS Database Setup
Oracle FLEXCUBE Universal Banking
Release 12.1.0.0.0
[January] [2016]



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1. Installing Oracle FLEXCUBE Database

1.1 Introduction

Oracle FLEXCUBE database can be installed in one of the following methods.

- Import full dump – Import the Oracle FLEXCUBE objects into an empty schema using full dump. This is a manual activity.
- From shipment media – Load the shipment media objects into an empty schema using Installer.
- Clone database or template based setup – Clone the database using Installer.

These methods are discussed in detail under the following heads.

1.2 Creating Schema by Importing Full Dump

Under this method, you need to manually import the Oracle FLEXCUBE DMP file into the Oracle FLEXCUBE schema. This can be done using the following command:

```
$ imp user_name/password file = dmp_file_name.dmp full = Y commit = Y log = imp.log  
compile=n
```

Post Import Activities

Once the DMP file is imported, you need to carry out the following activities:

- Enabled all triggers by running the procedure 'pr_instlr_post_import.prc' located under the folder 'InstallOptions\Database\Common'
- Update STTM_BANK with auto_gen_cif='N'
- Update the following tables:
 - actb_daily_log
 - bktb_schema_defaults
 - dstb_maint, ictb_acc_action
 - ictb_action_log, ictb_resolution_error
 - lmtb_offline_nodes, lmtb_offline_utils
 - mstb_current_msg_ind_out
 - mstb_dly_msg_in
 - mstb_dly_msg_out
 - mstm_mcs
 - mstm_undo
 - sttm_branch_node
 - sttm_branch
 - sttm_customer
- Set node as the connection string for the above tables.

- If Branch Setup is required and if the setup is Centralized then,

**UPDATE CSTB_PARAM SET PARAM_VAL ='C' where param_name
='DEPLOYMENT_MODE'**

- If Branch Setup is required and if the setup is De-centralized then,

**UPDATE CSTB_PARAM SET PARAM_VAL ='D' WHERE param_name
='DEPLOYMENT_MODE'**

- If Branch Setup is required and if the setup is Hybrid then,

**UPDATE CSTB_PARAM SET PARAM_VAL ='H' WHERE param_name
='DEPLOYMENT_MODE'**

1.3 **Creating Schema from Shipment Media**

Under this method, you need to create the schema from the shipment media.

1.3.1 **Loading from Shipment Media**

You have an option of loading both host and branch objects together. Database installation includes the provision of details of the schema to connect and the location of the source objects. The objects of the selected modules are compiled as explained below.

1.3.1.1 **Source Input for installer for DB setup**

1. Copy the folder 'MAIN' from the shipment media to a folder in the local system.

Eg: D:\source\MAIN

2. Copy the folder 'ELCM' from the shipment media to a folder in the local system.

Eg: D:\source\ELCM

3. Folder to which you have copied the sources is the source to the Installer.



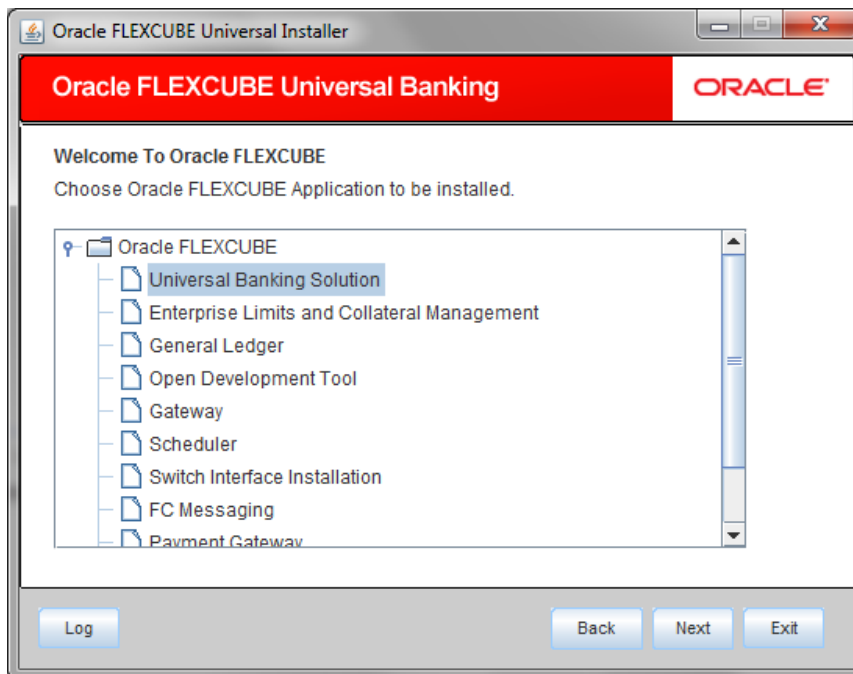
After copying all the sources from shipment media to a folder in the local system, ensure that the folder containing those has full rights for that user.

It is not mandatory to copy the sources to local system. You may also directly refer the Installer to the shipment media.

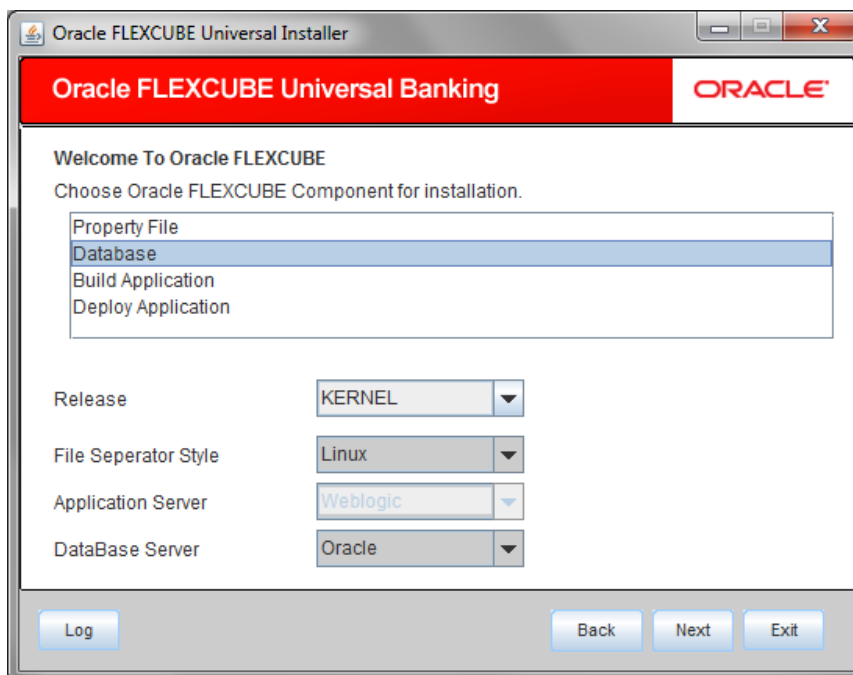
1.3.1.2 **Loading Objects from Shipment Media**

The steps to load objects from the shipment media are given below:

1. Launch Oracle FLEXCUBE Universal Banking Solution Installer.
2. Click 'Next' and the following screen is displayed.



3. Choose 'Universal Banking Solution'.
4. Click 'Next' and the following screen is displayed:



5. Choose 'Database Setup'.

Specify the following details:

Release

Specify the release which you want to install.

Server's Operating System and Version

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

Application Server and Version

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

Database Server

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

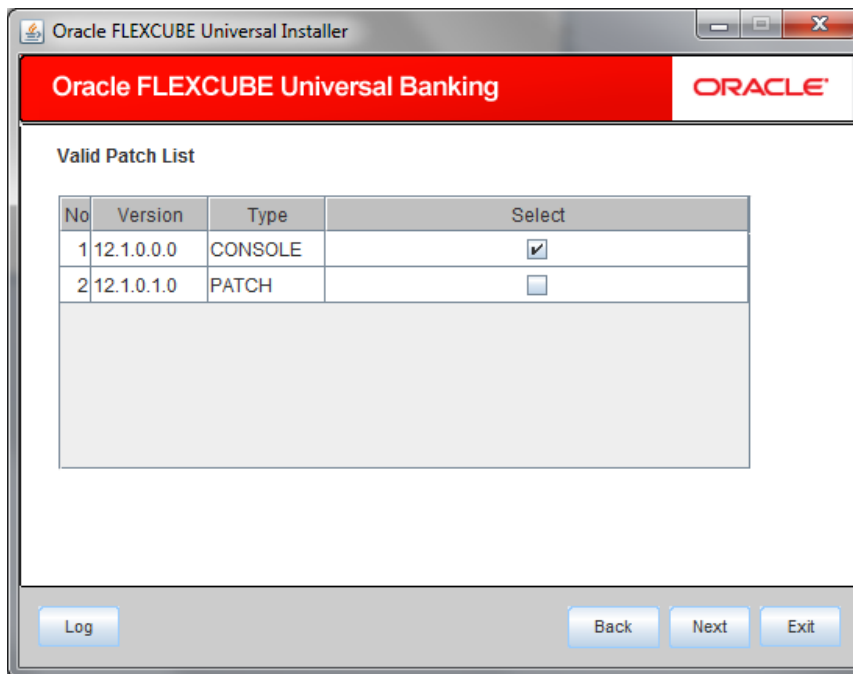
6. Once you have specified the above details, click 'Next' and the following screen is displayed:

Name	Value
Username	FCUBS121
Password	*****
Service Name	FC1202WI
IP Address	10.184.149.177
Port	1521
TNS Connect Descriptor	FC1202WI

Select the appropriate installation option. Provide schema details for validation in case of patch and rolled up patch installation. For New Schema details are not enabled. Click 'Next'.

7. Based on the FCHOME chosen, the valid list of deployable units are listed as shown in the next screen:

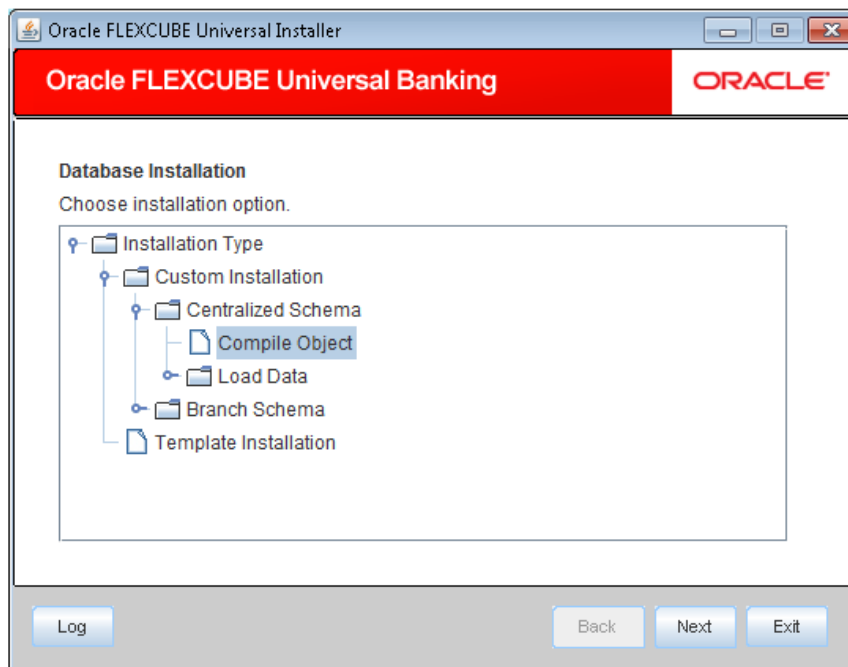
Choose the required set of Main and Patch releases. Click Next. Following screen is shown.



The Oracle FLEXCUBE Universal Solutions installer supports custom installation of Oracle FLEXCUBE in two methods:

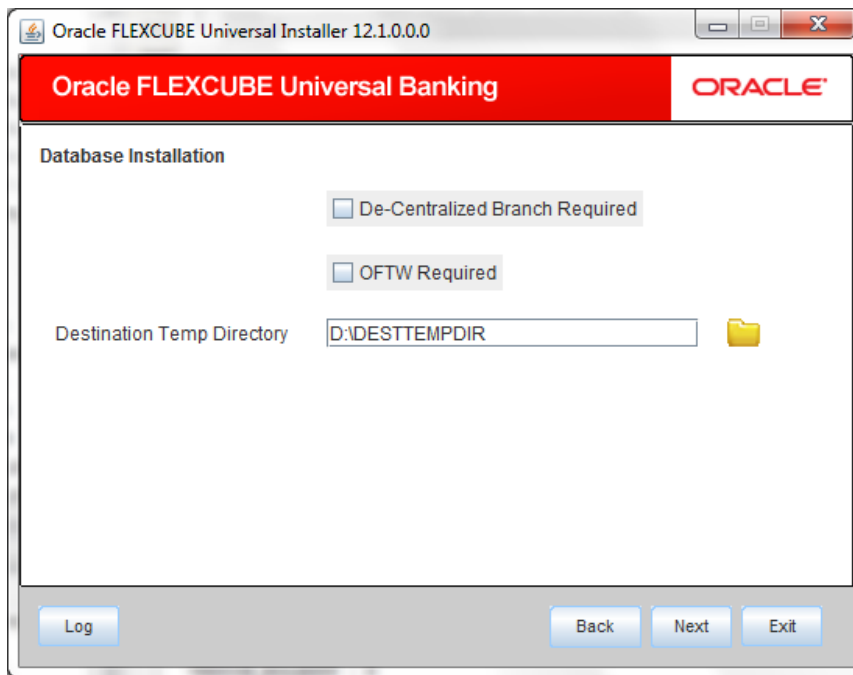
- Compile objects and load static data into the database
- Load objects and data by importing data and objects from the import file

1. Select the installation type 'Custom Installation'.



2. Select 'Compile Objects' under 'Custom Installation'

3. Click 'Next' and the following screen is displayed:



Specify the following details:

Destination Temp Directory

Specify the destination directory. Use the directory icon  to browse the destination directory.

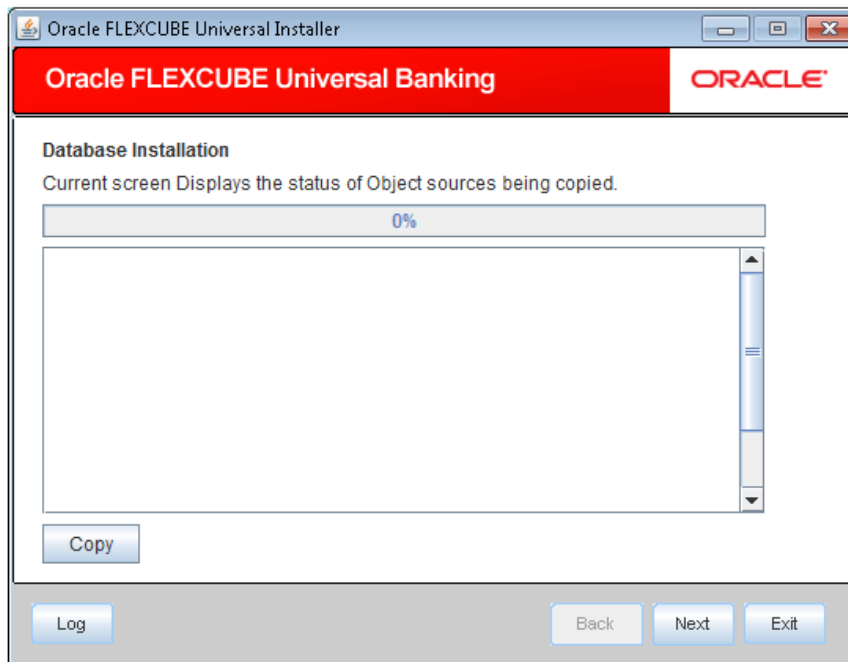
OFTW Required

Mark checked, if OFTW (Oracle Flexcube Testing Workbench) is required

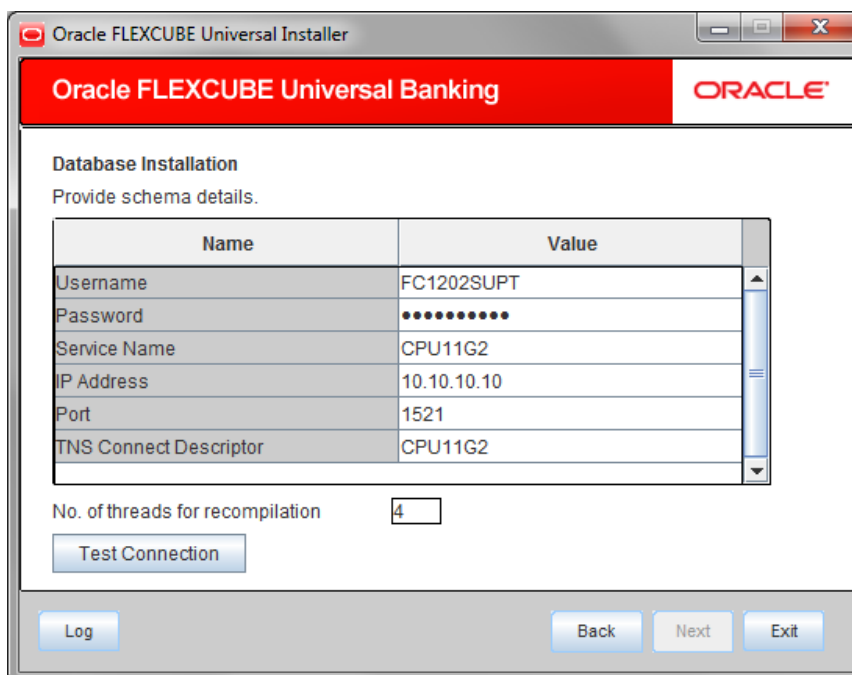
De-Centralized Branch Required

Mark checked, if de-centralized branch is required. (This is done to create the Materialized View Logs on the Host schema)

4. Click 'Next' to start database objects source copy.



5. The Installer will copy the source files from the source directory to the destination directory. The files are taken from this location for compilation.
6. Once the copy process is completed, the installer navigates you to the following screen.



Specify the following schema details:

User Name

Specify the user name to access the schema.

Password

Enter the schema password.

Service Name

Provide service name of database.

IP Address

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

Port

Specify the port number.

No. of threads for recompilation

Specify the number of processes that would be used to compile the objects. Defaulted to 4, if no value is given.

TNS Connect Descriptor

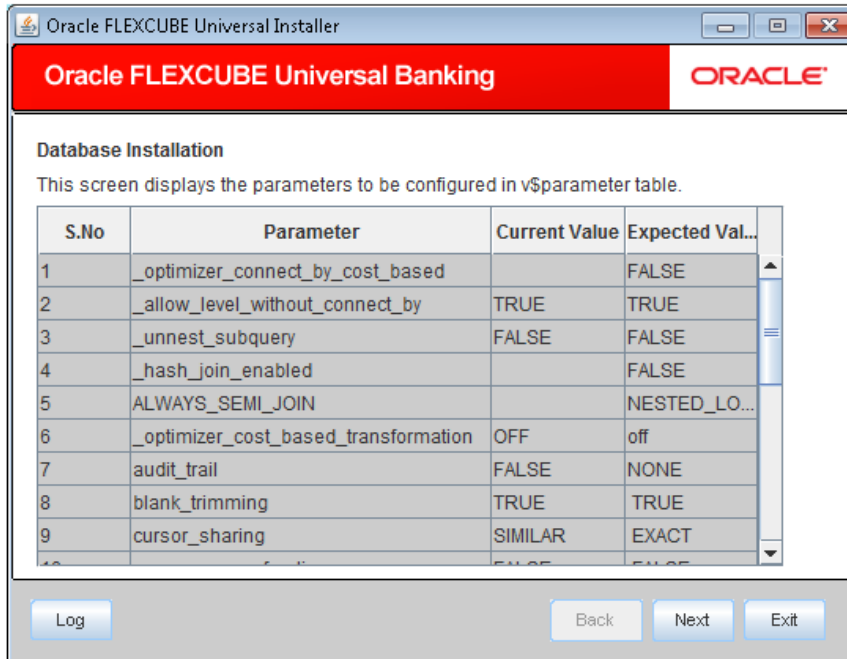
Specify a valid connect string that contains the details for database connectivity.

7. Once you have entered the details, you can test the database schema connection using 'Test Connection' button.



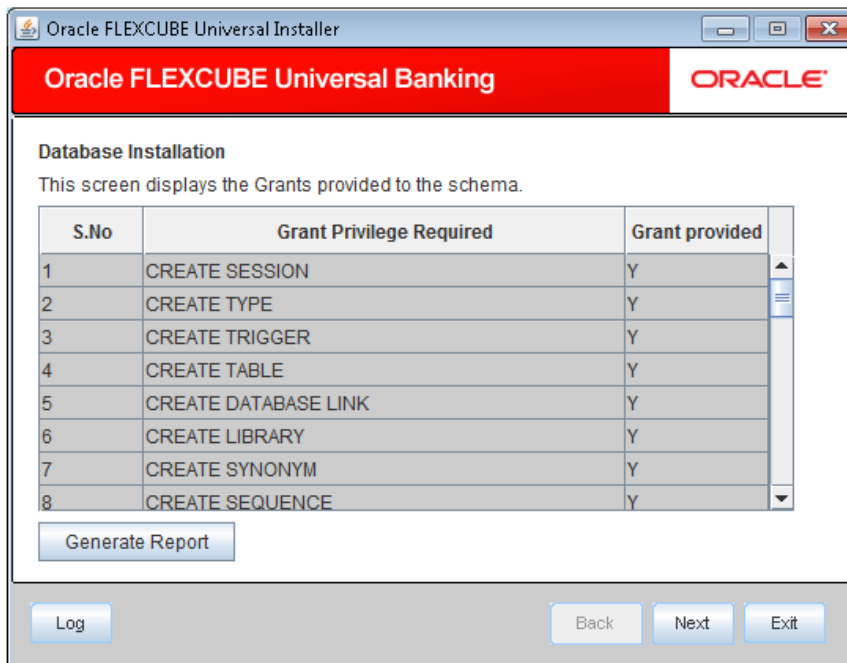
Note the following:

- If the connection is established, the installer displays a message 'Connection Successful'.
 - If there is an error in establishing the connection, the system displays the message 'Invalid DB Credentials'.
 - If the TNS entry is not proper, the installer displays the message 'TNS entries are not proper'.
8. After testing the connection successfully, click 'Next' and the following screen is displayed:



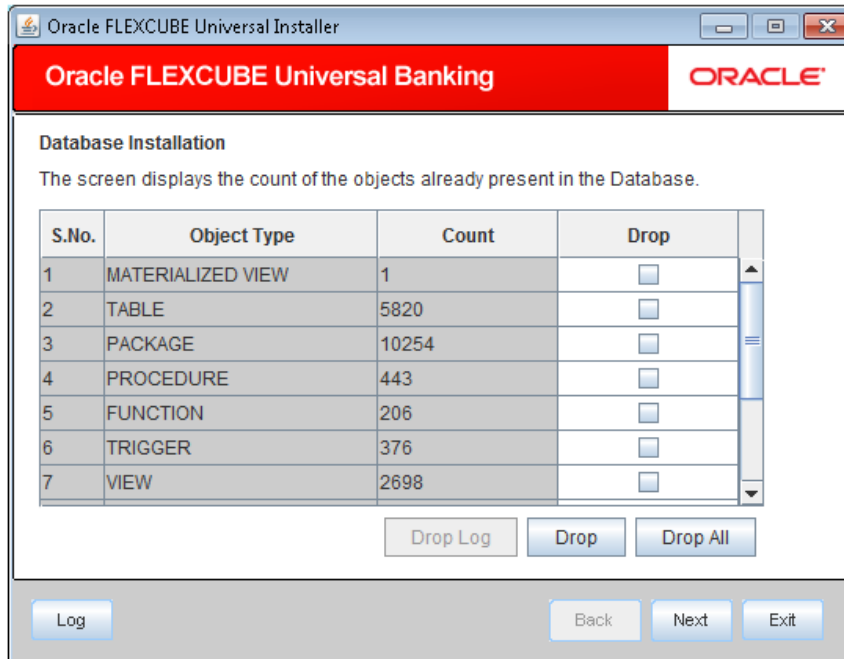
This screen displays the parameter details of the database.

9. Click 'Next' and the following screen is displayed:



This screen displays the grants provided to the schema. If object compilation is required and the privilege is not given, then you can find that out from this screen.

10. Click 'Generate Report' button, the installer creates an SQL file 'grantScript.sql' containing the script for granting the privileges in the 'Logs' folder and the following screen is displayed



You can use this file to get the access.



Only the sys user can execute the file 'grantScript.sql' for granting privileges.

You can select the objects to be dropped and click 'Drop' button to drop the selected objects. As you drop the objects, the count in this screen is updated. You can drop all the objects at once using 'Drop All' button.

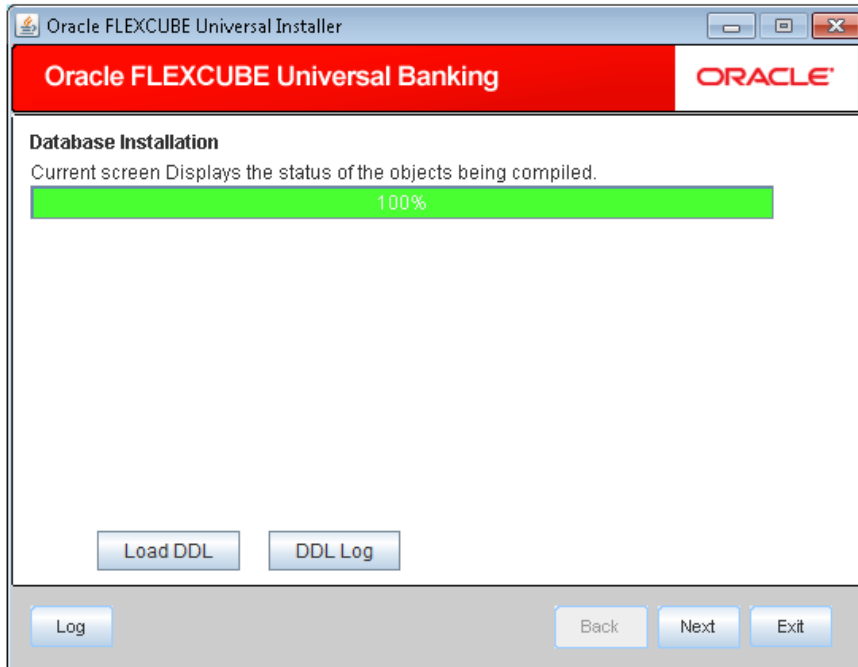
Click 'Drop Log' button to view the drop log.



The details of the drop process are logged in a file 'Drop_All.log' in the folder <Destination Folder>/DBLogs.

If all the objects do not get dropped at the first time, you can drop them again.

11. Click 'Next' button and the following screen is displayed.



The table, sequences and type objects are compiled and the count is updated.

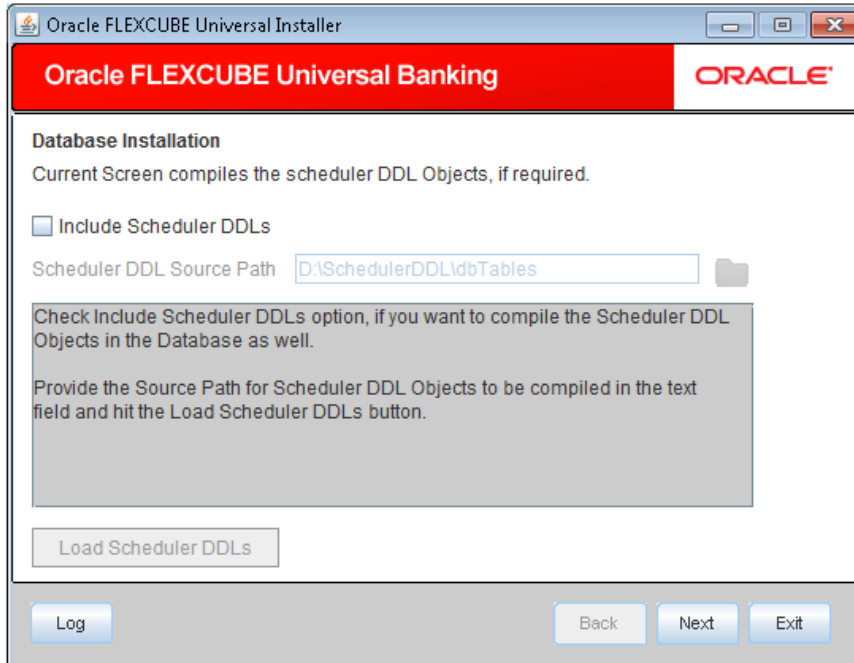
Click 'DDL Log' button to view the DDL logs. The log file 'LoadDDL.log' will be available in the destination directory under the folder 'DBLogs'.



Note the following:

- You can rectify the missing DDL objects and recompile them either manually or by redoing the DDL compilation using Installer.
- When you load DDL using this option, the Installer creates a table by name 'BASE_SQL_OBJ' in the schema. This table is not from the source. This is a table specific to the Installer that tracks the missing objects against the objects in the shipment media.

12. Click 'Next' and the following screen is displayed:




Specify the following details:

Include Scheduler DDLs

Check this box to include scheduler DDLs.

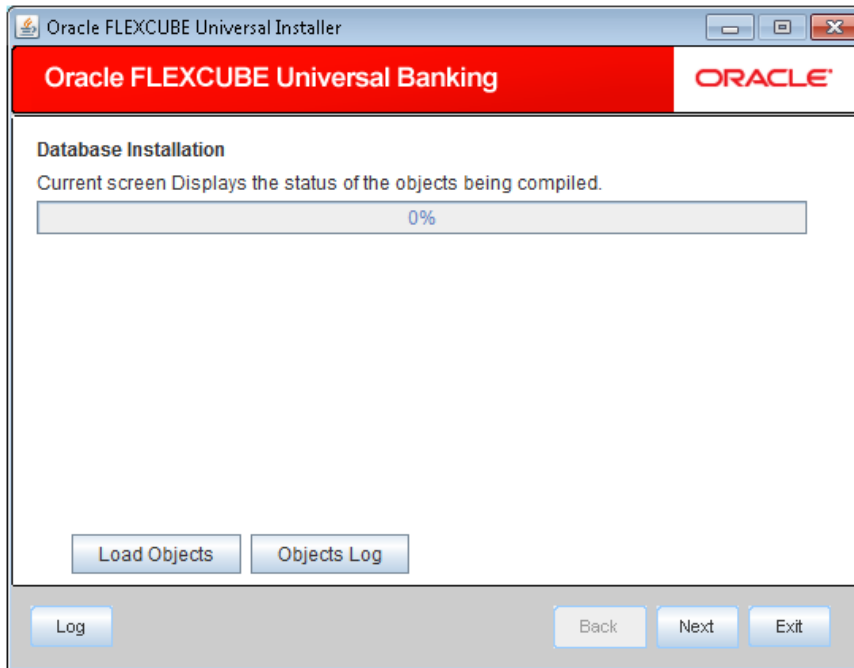
Scheduler DDL Source Path

Specify the location of the 'tables_oracle.sql' folder, which is available in the extracted 'quartz.jar'.


 Quartz is an open source job scheduling service. You can use Quartz to create schedules for executing jobs whose tasks are defined as standard Java components. You first need to download the file 'quartz.tar' and extract it to the local machine. In the extracted folder, find the location of the folder 'dbTables' and enter that path in the field 'Scheduler DDL Source Path'. Please refer release document for version and download url for quartz.

13. Click 'Load Scheduler DDLs' to compile the files.

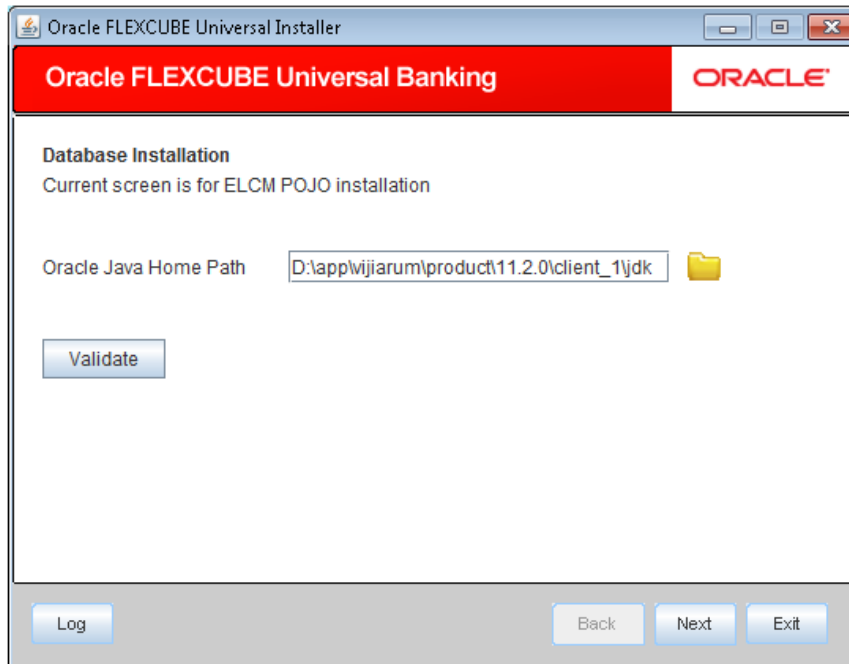
14. Click 'Next' and the following screen is displayed:



15. Check the objects that you need to load.
16. Click 'Load Objects' button. The installer loads the functions, procedures, views, triggers and packages as per your selection and compiles them.
17. Click 'Objects Log' button to view the log. The log file 'LoadAppObj.log' will be available in the destination directory under the folder 'DBLogs'.

 You can rectify the missing objects and recompile them either manually or by redoing the Application object compilation using Installer.

18. The installer loads the DDL and application objects of the selected modules.
19. Click 'Next' and the following screen is displayed. This starts the ELCM POJO installation process.



Note the following:

- You need to set the following two environment variables for the successful compilation of ELCM POJO JAR files.
 - ORACLE_HOME (Eg: 'D:\app\ishroy\product\12.1.0\client_1')
 - Path (append the path variable with ORACLE_HOME\BIN (Eg: 'D:\app\ishroy\product\12.1.0\client_1\BIN')

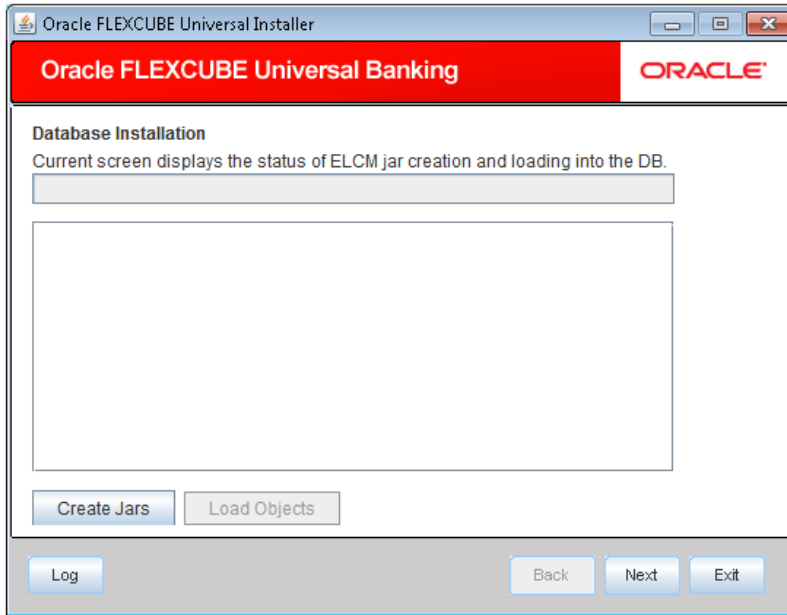
Specify the following details:

Oracle Java Home Path

Specify the Oracle Java home location. This is required for ELCM POJO compilation.

You can validate the Oracle Java home path by clicking 'Validate' button.

20. Click 'Next' and the following screen is displayed:

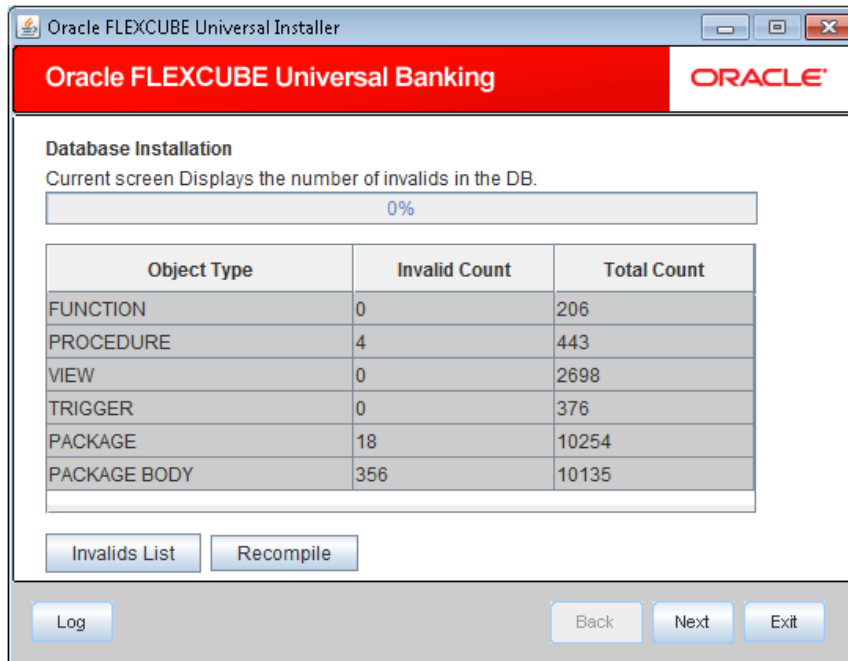


This screen displays the status of ELCM JAR file creation. The following JAR files are created in the folder 'SQLJObjects' inside the destination directory.

- ELCMDto.jar
- ELCMKernel.jar
- ELCMKernelSQLJ.jar
- ELCMUtility.jar
- ELCMCommon.jar
-

21. Click 'Load Objects' button to load the JAR files to the database.

22. Click 'Next', you can view the list of invalid objects in the following screen.



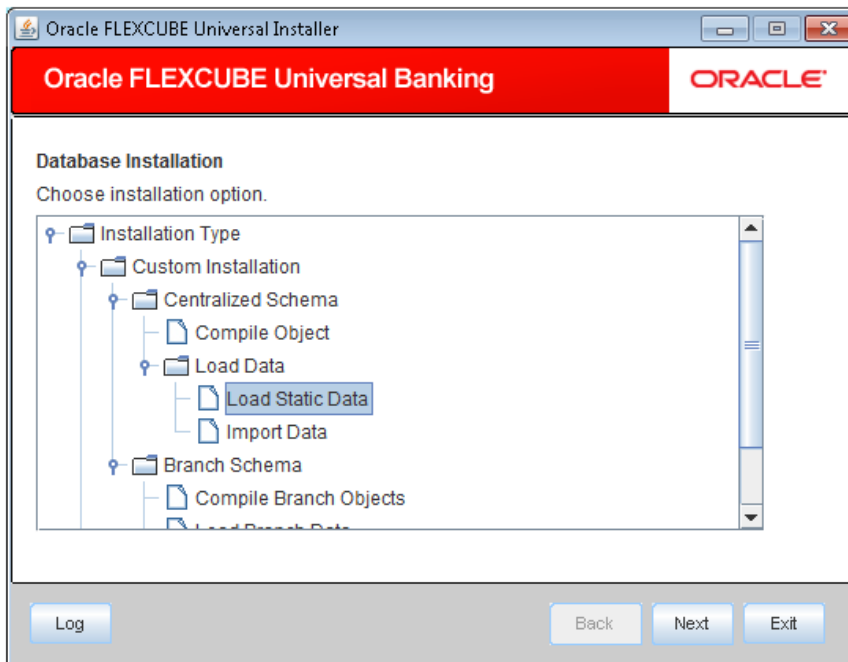
23. Click 'Invalid List' button to view the count of invalid objects. The installer creates the file 'InvalidList.txt' in the destination directory under the folder 'DBLogs'.
24. You can use the 'Recompile' button to do a cyclic recompilation. This will reduce the invalid objects count. The Installer allows you to use 'Recompile' button multiple times, in order to reduce the invalid objects count.
25. You can view the recompile logs by clicking 'Log' button. The installer creates a file 'recompile.log' in the destination directory under the folder 'DBLogs'.

1.4 Loading Static Data.

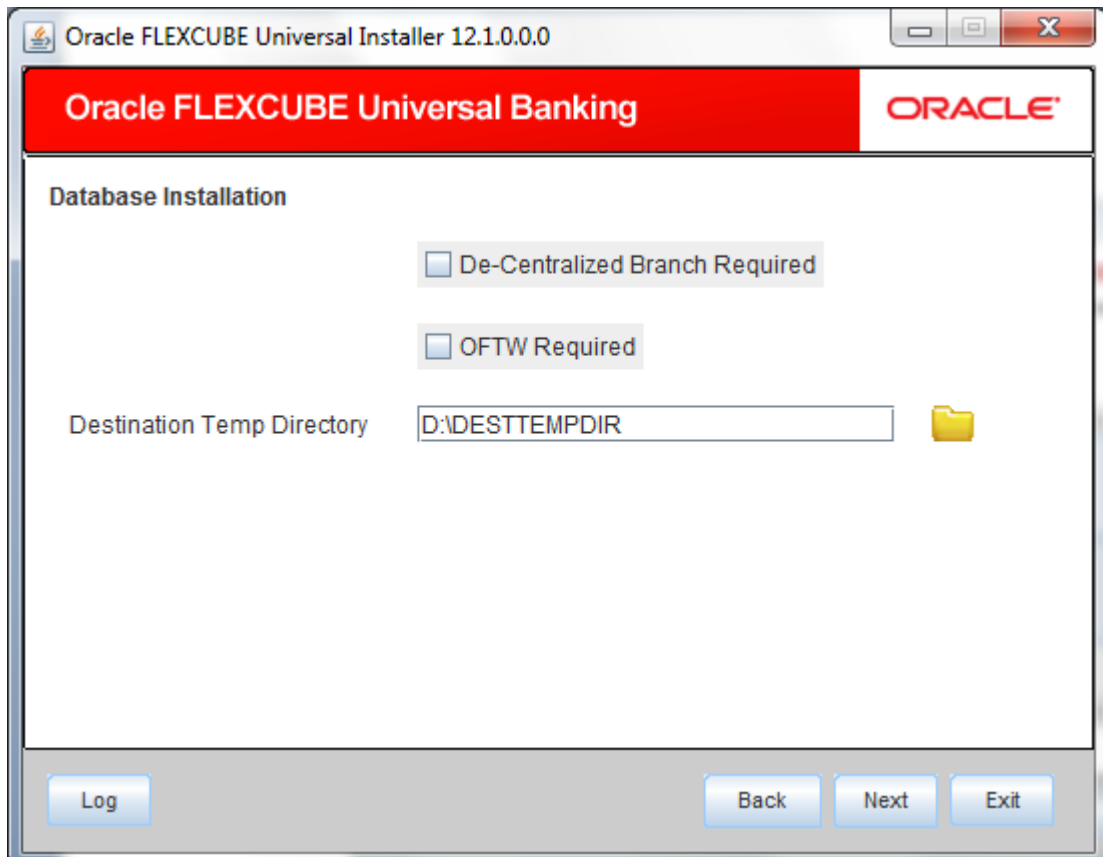
This section explains the steps to load static data into the database and the basic setup to be done. Once the objects are loaded, you need to insert data into the tables

1.4.1 Steps to Load Static Data :

1. Launch Oracle FLEXCUBE Universal Banking Solutions Installer.




2. Select 'Load Static Data'.
3. Click 'Next' and the following screen is displayed:



Specify the following details:

Destination Temp Directory

Specify the destination directory. Use the directory icon  to browse the destination directory.

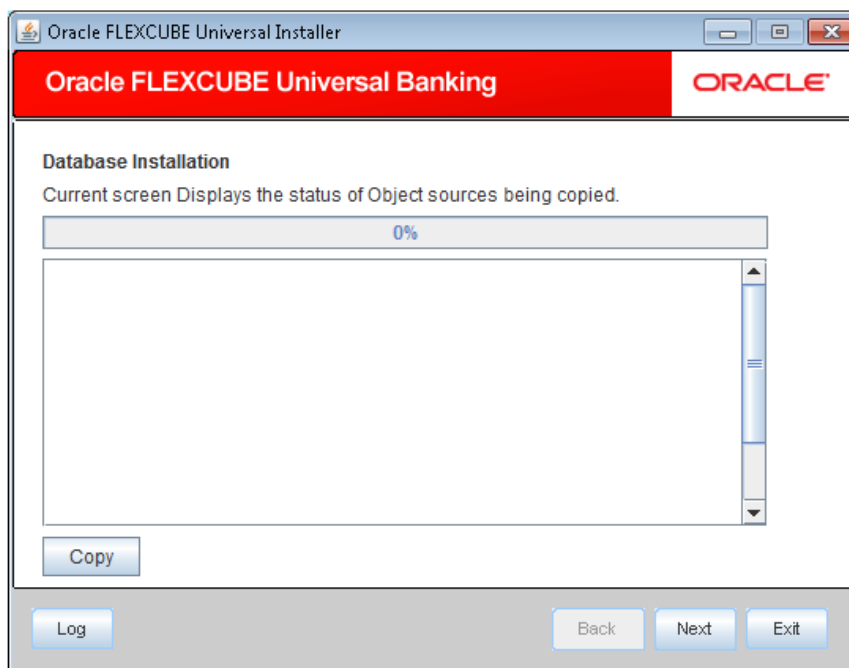
OFTW Required

Mark checked, if OFTW (Oracle Flexcube Testing Workbench) is required

De-Centralized Branch Required

Mark checked, if de-centralized branch is required. (This is done to create the Materialized View Logs on the Host schema)

4. Click 'Next' and the following screen is displayed:



5. Click 'Copy' button. The Installer will copy the source files from the source directory to the destination directory. The files are taken from this location for compilation.
6. Once the copy process is completed, the Installer navigates you to the following screen.

Name	Value
Username	username
Password	••••••••
Service Name	servicename
IP Address	10.10.10.10
Port	1521
TNS Connect Descriptor	TNSNameForService

Specify the following schema details:

User Name

Specify the user name to access the schema.

Password

Enter the schema password.

Service Name

Provide service name of Database.

IP Address

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

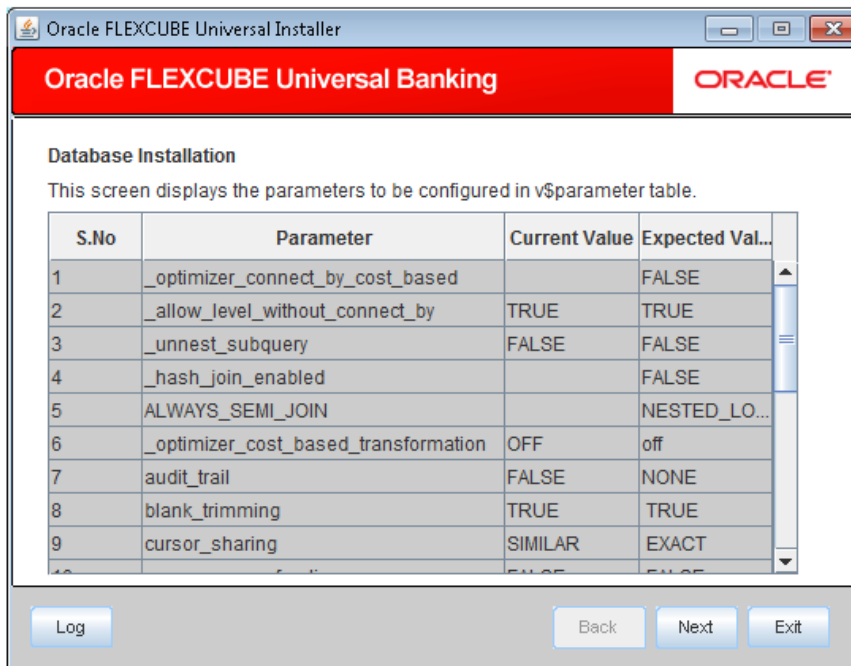
Port

Specify the port number.

TNS Connect Descriptor

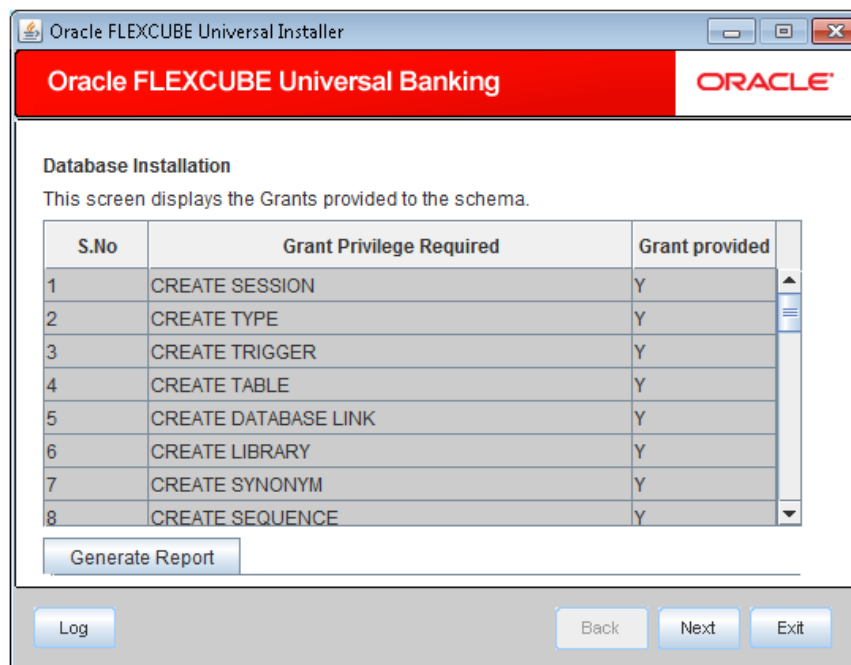
Specify a valid connect string that contains the details for database connectivity.

7. Once you have entered the details, you can test the database schema connection using 'Test Connection' button.
8. After testing the connection, click 'Next' and the following screen is displayed:



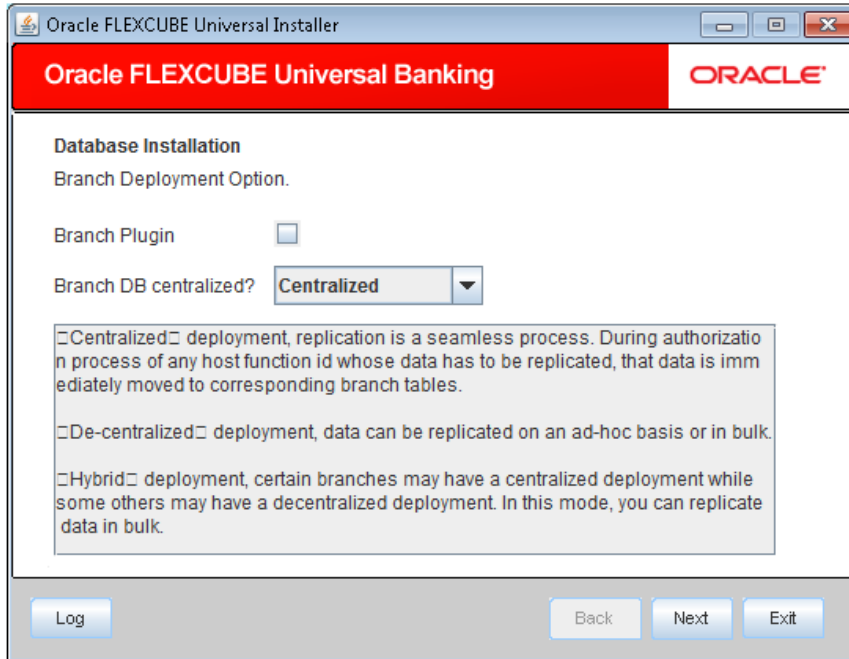
This screen displays the parameter details of the database.

9. Click 'Next' and the following screen is displayed:



This screen displays the grants provided to the schema. If object compilation is required and the privilege is not given, then you can find that out from this screen. This is for information purpose.

10. Click 'Next' and the following screen is displayed:



Specify the following details:

Branch Plug-in

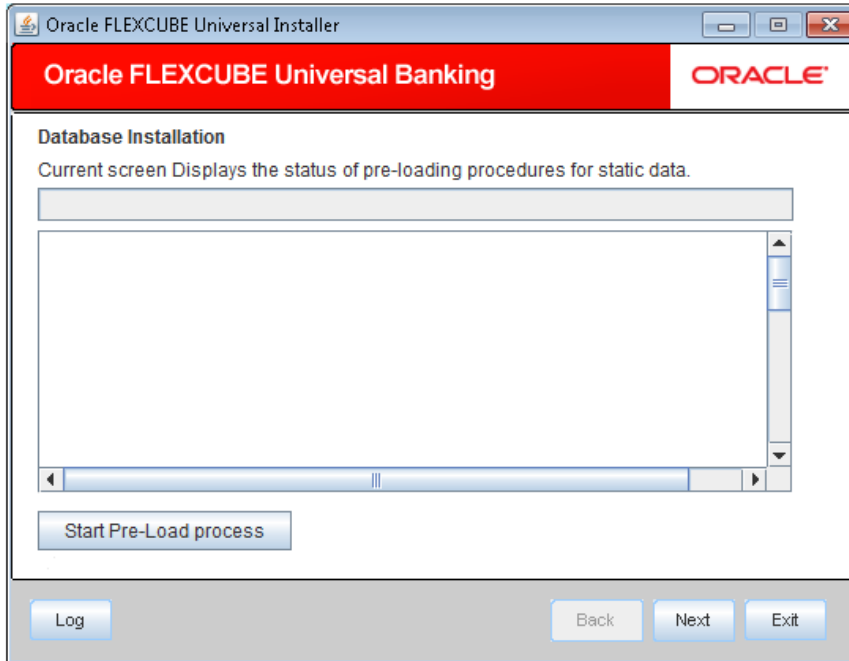
Check this box to include branch plug-in. If you check this box, you need to specify the deployment mode in the field 'Branch DB Centralized'.

Branch DB Centralized?

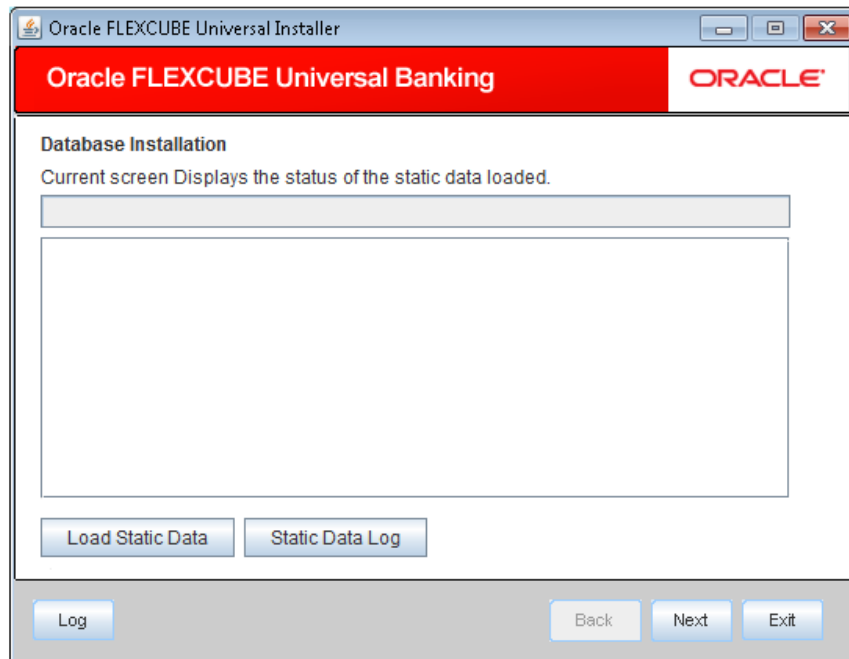
Specify the deployment mode. You can choose one of the following modes:

- Centralized
- Decentralized
- Hybrid

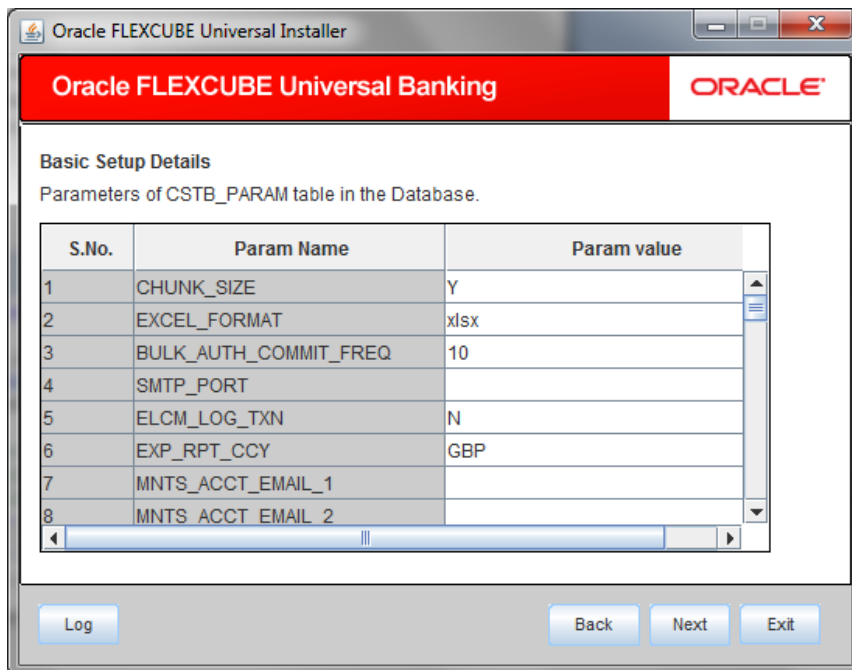
11. Once you have specified the above details, click 'Next'.



12. Click 'Start Pre-Load Process' button. The installer executes the procedures required before beginning static data compilation. All the triggers gets disabled during this process.
13. Click ' Log' button.The installer executes the process log .
14. Once the process is completed, the following screen is displayed:



15. Click 'Static Data Log' button to view the static data log..
16. Click 'Next' and the following screen is displayed:



17. Screen displays basic setup details for table 'CSTB_PARAM'.

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

Basic Setup Details
Basic Details for bank and branch

Bank Code:

Bank Name:

Branch Code:

Country Code:

Country Description:

Cheque Number Mask:

RM_HIERARCHY_SETUP:

Process Deployment:

Screen displays basic setup details for bank and branch

Bank Code

Displays the bank code.

Bank Name

Displays the bank name.

Branch Code

Displays the branch code.

Country Code

Displays the Country code.

Country Description

Displays the Country Description.

Cheque Number Mask

Displays the Cheque Number Mask

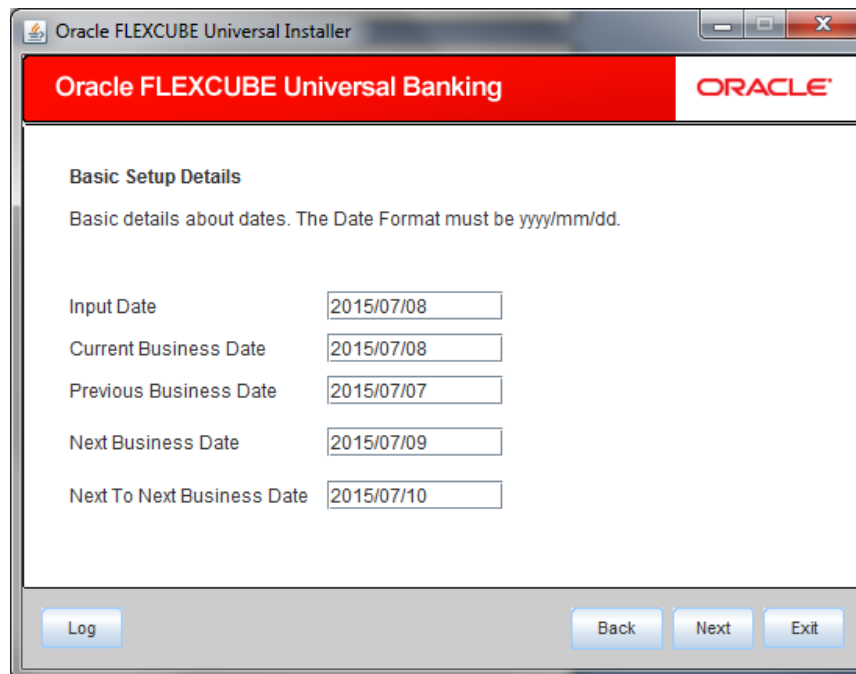
RM_HIERARCHY_SETUP

Select Y if RM_HIERARCHY_SETUP is needed

Process Deployment

Choose mode of process deployment between BPEL or BPMN

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



The screenshot shows a window titled "Oracle FLEXCUBE Universal Installer". The window has a red header bar with "Oracle FLEXCUBE Universal Banking" on the left and the "ORACLE" logo on the right. Below the header, the text "Basic Setup Details" is displayed, followed by the instruction "Basic details about dates. The Date Format must be yyyy/mm/dd." There are five input fields, each with a label and a text box containing a date:

Field Label	Value
Input Date	2015/07/08
Current Business Date	2015/07/08
Previous Business Date	2015/07/07
Next Business Date	2015/07/09
Next To Next Business Date	2015/07/10

At the bottom of the window, there are four buttons: "Log", "Back", "Next", and "Exit".

20. Screen displays basic setup details for dates.

Input Date

Displays the input date.

Current Business Date

Displays the current business date.

Previous Business Date

Displays the previous business date.

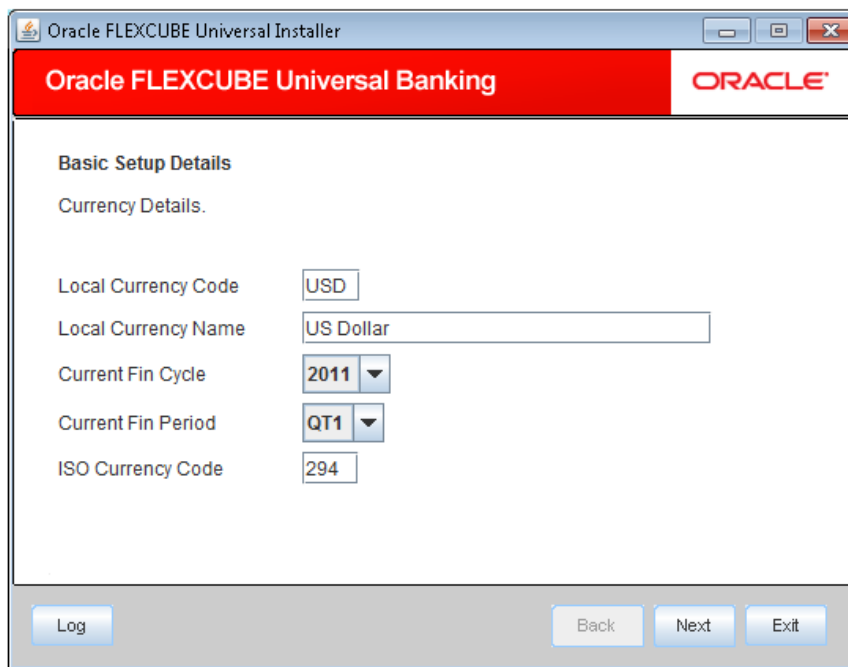
Next Business Date

Displays the next business date.

Next to Next Business Date

Displays the next to next business date.

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



The screenshot shows a window titled "Oracle FLEXCUBE Universal Installer". The window has a red header bar with "Oracle FLEXCUBE Universal Banking" on the left and the "ORACLE" logo on the right. Below the header, the main content area is titled "Basic Setup Details" and contains the sub-label "Currency Details.". There are five input fields: "Local Currency Code" with the value "USD", "Local Currency Name" with the value "US Dollar", "Current Fin Cycle" with a dropdown menu showing "2011", "Current Fin Period" with a dropdown menu showing "QT1", and "ISO Currency Code" with the value "294". At the bottom of the window, there are four buttons: "Log", "Back", "Next", and "Exit".

Screen displays basic setup details for currency.

Local Currency Code

Displays Local Currency Code

Local Currency Name

Displays Local Currency Name

Current Fin Cycle

Displays Current Fin Cycle

Current Fin Period

Displays Current Fin Period

ISO Currency Code

Displays ISO Currency Code.

22. Click 'Next' and the following screen is displayed:

The screenshot shows the Oracle FLEXCUBE Universal Installer window. The title bar reads "Oracle FLEXCUBE Universal Installer". The window has a red header bar with "Oracle FLEXCUBE Universal Banking" on the left and the "ORACLE" logo on the right. The main content area is titled "Basic Setup Details" and contains the text "User Creation with SMS role for login into the Oracle FLEXCUBE." Below this text is a checkbox labeled "External Password". Under the checkbox is a table with three columns: "No", "User Name", and "Password or LDAP User name". The table contains two rows of data. Below the table is a large empty rectangular area. At the bottom of the window are four buttons: "Log", "Back", "Next", and "Exit".

No	User Name	Password or LDAP User name
1	ADMINUSER1
2	ADMINUSER2

Screen displays basic setup details for the table 'SMTB_USER' and 'SMTB_USER_ROLE'.

External Password

Check this box to specify the external password.

User Name

Displays the user name.

Password or LDAP User Name

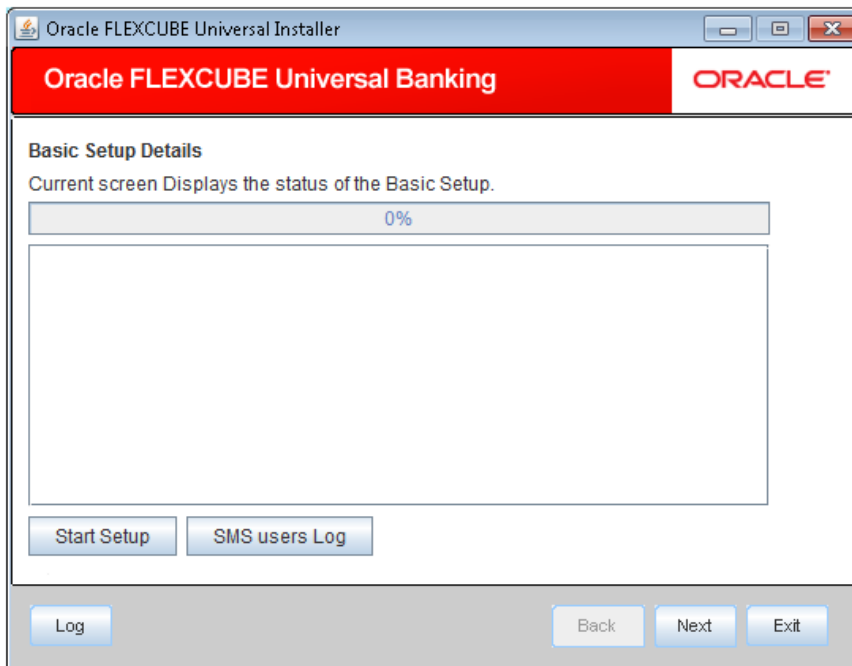
Specify the password. You can use the following characters in the password:

- Alphabets in uppercase
- Alphabets in lowercase
- Numerals



You cannot use '_' (underscore) in the password.

23. Click 'Next' and the following screen is displayed:



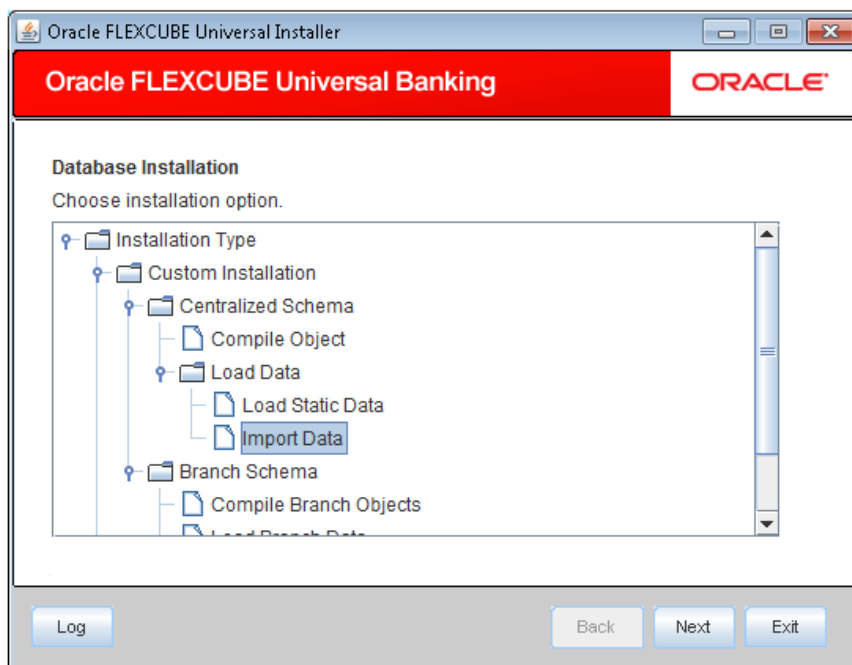
24. Click 'Start Setup' button to compile the entries.

This completes the static maintenance and basic setup process.

1.4.2 Import Database Installation

Data import is an alternative method to load the static data into the database. This section describes the process of importing data for installation.

1. Launch Oracle FLEXCUBE Universal Banking Solutions Installer.



2. Select 'Import Data'
3. Click 'Next' and the following screen is displayed:

Name	Value
Username	scott
Password	*****
Service Name	orcl.in.oracle.com
IP Address	localhost
Port	1521
TNS Connect Descriptor	orcl

Specify the following schema details:

User Name

Specify the user name to access the schema.

Password

Enter the schema password.

Service Name

Provide 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.

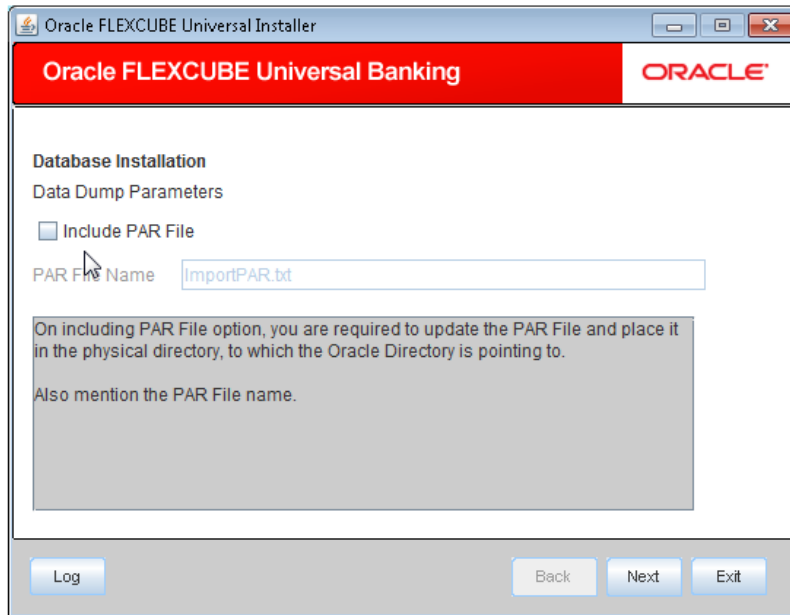
4. Once you have entered the details, you can test the database schema connection using 'Test Connection' button.
5. After testing the connection, click 'Next' and the following screen is displayed:

S.No	Parameter	Current Value	Expected Val...
1	_optimizer_connect_by_cost_based		FALSE
2	_allow_level_without_connect_by	TRUE	TRUE
3	_unnest_subquery	FALSE	FALSE
4	_hash_join_enabled		FALSE
5	ALWAYS_SEMI_JOIN		NESTED_LO...
6	_optimizer_cost_based_transformation	OFF	off
7	audit_trail	FALSE	NONE
8	blank_trimming	TRUE	TRUE
9	cursor_sharing	SIMILAR	EXACT

6. This screen displays the parameter details of the database.
7. Click 'Next' and following screen is displayed:

S.No	Grant Privilege Required	Grant provided
1	CREATE SESSION	Y
2	CREATE TYPE	Y
3	CREATE TRIGGER	Y
4	CREATE TABLE	Y
5	CREATE DATABASE LINK	Y
6	CREATE LIBRARY	Y
7	CREATE SYNONYM	Y
8	CREATE SEQUENCE	Y

8. This screen displays the grants provided to the schema. If object compilation is required and the privilege is not given, then you can find that out from this screen. Click 'Next' and the following screen is displayed:



Specify the following details:

Include PAR File

Check this box to include the PAR file. If you check this box, you need to specify the PAR file name.

PAR file stands for Parameter File. A PAR file is a text file that contains all valid parameters and their respective values. Maintaining the parameters in text format enables you to modify or reuse them easily.

PAR File Name

If you have checked the box 'Include PAR File', you need to specify the PAR file name here.

9. Once you have specified the above details, click 'Next' button and the following screen is displayed:

Oracle FLEXCUBE Universal Installer

Oracle FLEXCUBE Universal Banking ORACLE

Database Installation
Data Dump Parameters

Oracle Directory Name

Please ensure that the Oracle Directory name mentioned above is created in the server.

Also, ensure that the physical directory, the Oracle directory is pointing to is also present.

Log Back Next Exit

Specify the Oracle directory name. This is the directory in the server machine where the import file is located.

10. Click 'Next' and the following screen is displayed:

Oracle FLEXCUBE Universal Installer

Oracle FLEXCUBE Universal Banking ORACLE

Database Installation
Data Dump Parameters

Dump File Name

Export Schema Name

Export Schema Tablespace

Please ensure that the Dump file name mentioned is present in the Oracle Directory in the server.

For more details refer the log file associated with the dump file present in the baseline area.

Log Back Next Exit

Specify the following details:

Dump File Name

Specify the import file name.

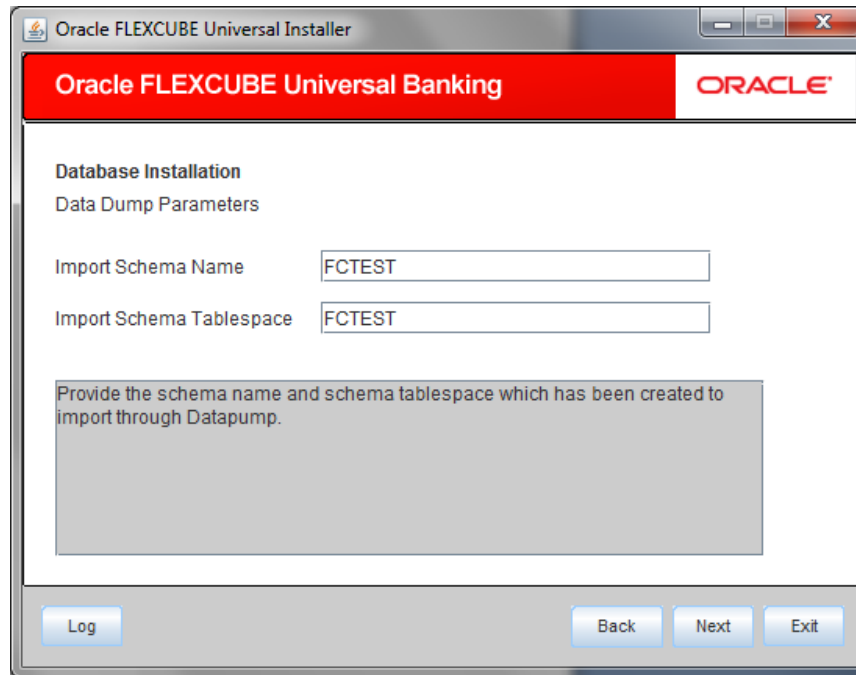
Export Schema Name

Specify the export schema name from which the import file is imported.

Export Schema Tablespace

Specify the export schema tablespace from which the import file is imported.

11. Once you have specified the above details, click 'Next' and the following screen is displayed:



Specify the following details:

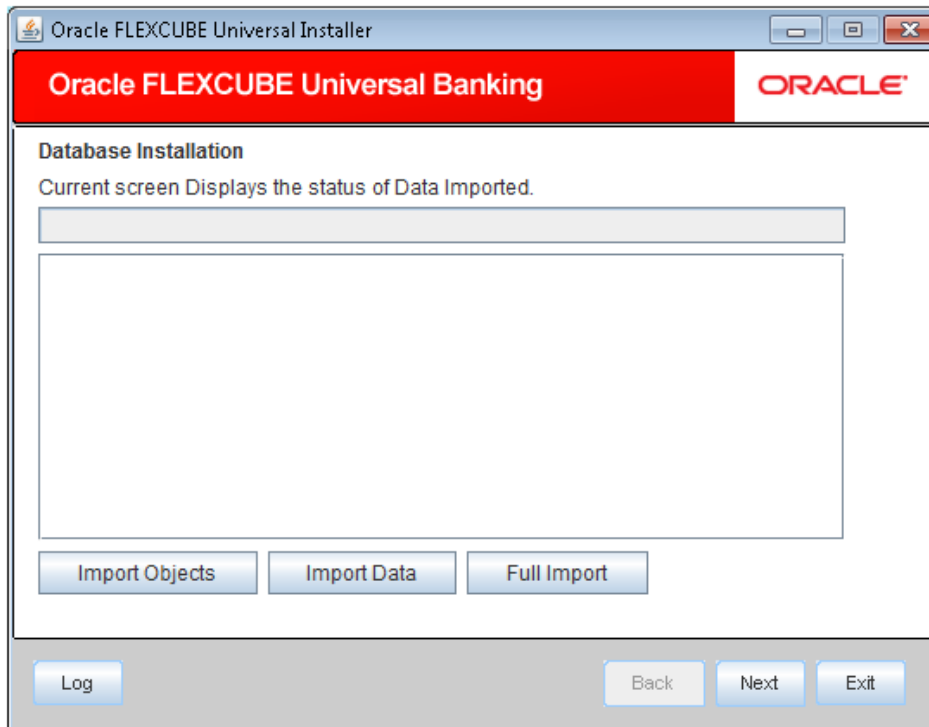
Import Schema Name

Specify the import schema name to which the import file is loaded.

Import Schema Tablespace

Specify the import schema tablespace to which the import file is loaded.

12. Once you have specified the above details, click 'Next' button and the following screen is displayed:



13. This triggers the import operation. You can optionally import the objects, data or full set by using 'Import Objects', 'Import Data' or 'Full Import' buttons respectively.
14. Click 'Import' button to import the database with the PAR file parameters.

2. Setting up Branch Database

For installing branch database, you need to complete the following tasks.

- Provide Grants in the Host Schema
- Replicate Branch Data from Host Schema

2.1 Providing Grants in Host Schema

You need to provide the following grant to the Host Schema database:

```
dbms_java.grant_permission( '<schema_name>', 'java.net.SocketPermission', '*',  
'connect,resolve' )
```

If the decentralized branch application is SSL enabled, the following steps need to be performed to support replication from host to decentralized schema.

1. Create a directory at the Database server where the keystore will be stored.
2. Create Oracle Directory in the same path with directory name 'BRANCH_SSL_KEYSTORE' and with DBA role.

The following grants need to be provided to host schema database:

```
exec dbms_java.grant_permission('<<SCHEMA NAME>>','java.io.FilePermission', '<<path as  
specified in Oracle directory>>/', 'read','write', 'execute');
```

```
exec dbms_java.grant_permission('<< SCHEMA NAME >>', 'java.io.FilePermission', '*', 'read ,  
execute');
```

```
exec dbms_java.grant_permission('<< SCHEMA NAME >>', 'SYS:java.lang.RuntimePermission',  
'writeFileDescriptor', '*');
```

```
exec dbms_java.grant_permission('<< SCHEMA NAME >>', 'SYS:java.lang.RuntimePermission',  
'readFileDescriptor', '*');
```

```
grant javauserpriv to <<USER_NAME>>;
```

```
exec dbms_java.grant_permission( '<< SCHEMA NAME >>', 'SYS:java.util.PropertyPermission',  
'javax.net.ssl.trustStore', 'write' );
```

```
exec dbms_java.grant_permission('<< SCHEMA NAME >>','SYS:java.util.PropertyPermission',  
'java.protocol.handler.pkgs','write');
```

```
exec dbms_java.grant_permission( '<< SCHEMA NAME >>',  
'SYS:java.security.SecurityPermission', 'insertProvider.SunJSSE', " );
```

```
exec dbms_java.grant_permission( '<< SCHEMA NAME >>', 'SYS:java.net.SocketPermission',  
'<<HOST>>:<<PORT>>', 'connect,resolve' );
```

```
exec dbms_java.grant_permission( '<< SCHEMA NAME >>', 'SYS:javax.net.ssl.SSLPermission',  
'setHostnameVerifier', " );
```

```
Execute dbms_java.grant_permission(' SCHEMA NAME ', 'java.io.FilePermission', 'DB DEBUG  
PATH*', 'read,write');
```

```
/Execute dbms_java.grant_permission(SCHEMA NAME,  
'SYS:java.util.logging.LoggingPermission', 'control', " ");
```

```
/
```

```
Execute dbms_java.grant_permission(SCHEMA NAME, 'SYS:java.util.PropertyPermission', '*',  
'read,write' );
```

```
/
```

```
Execute dbms_java.grant_permission(SCHEMA NAME, 'SYS:java.io.FilePermission', '<<ALL  
FILES>>', 'execute');
```

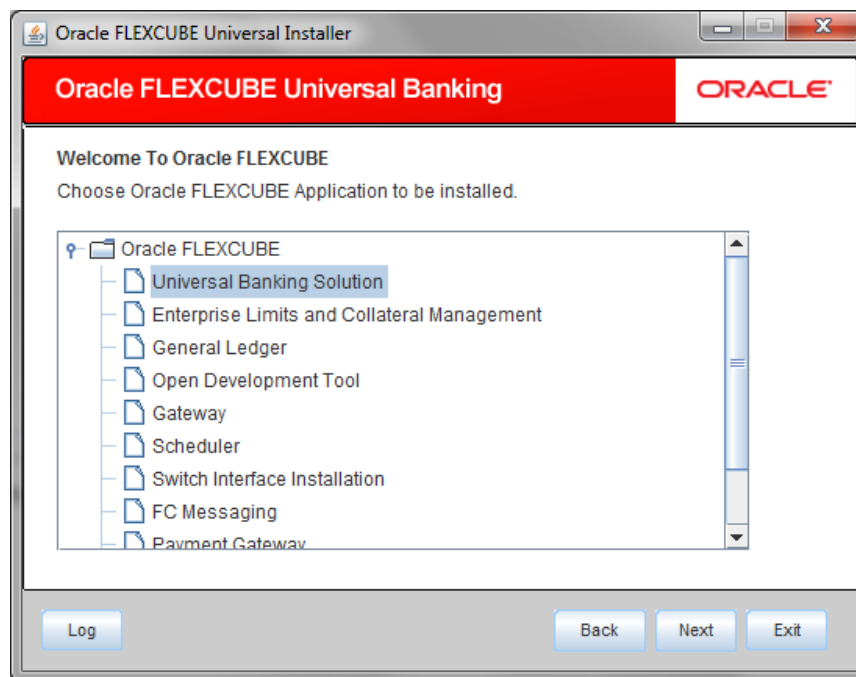
```
/
```

2.2 Replicating Branch Data

2.2.1 Replicating Branch Data Using UI

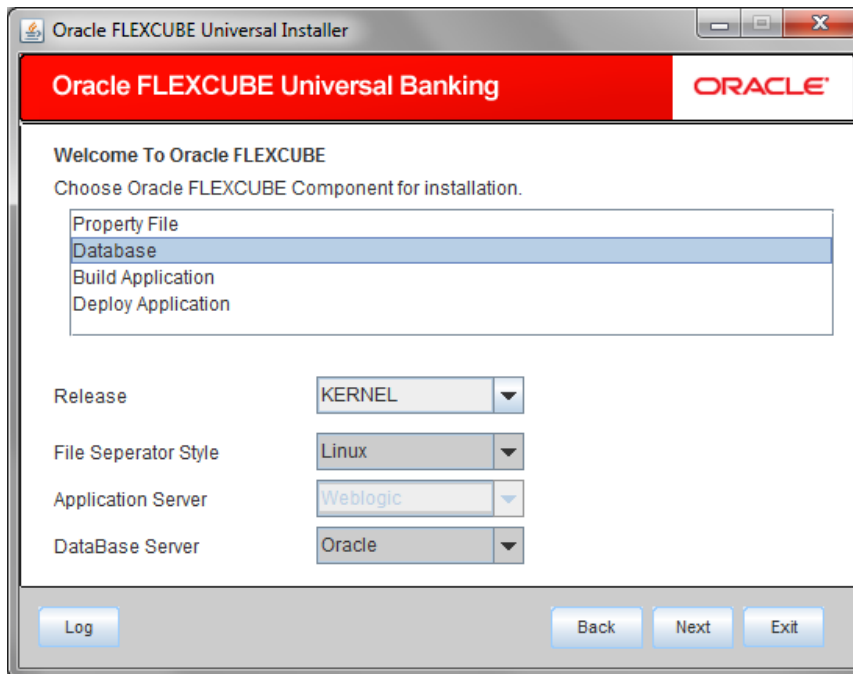
The steps to load objects from the shipment media are given below:

3. Launch Oracle FLEXCUBE Universal Banking Solution Installer.
4. Click 'Next' and the following screen is displayed.



5. Choose 'Universal Banking Solution'.

6. Click 'Next' and the following screen is displayed:



7. Choose 'Database Setup'.

Specify the following details:

Release

Specify the release which you want to install.

Server's Operating System and Version

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

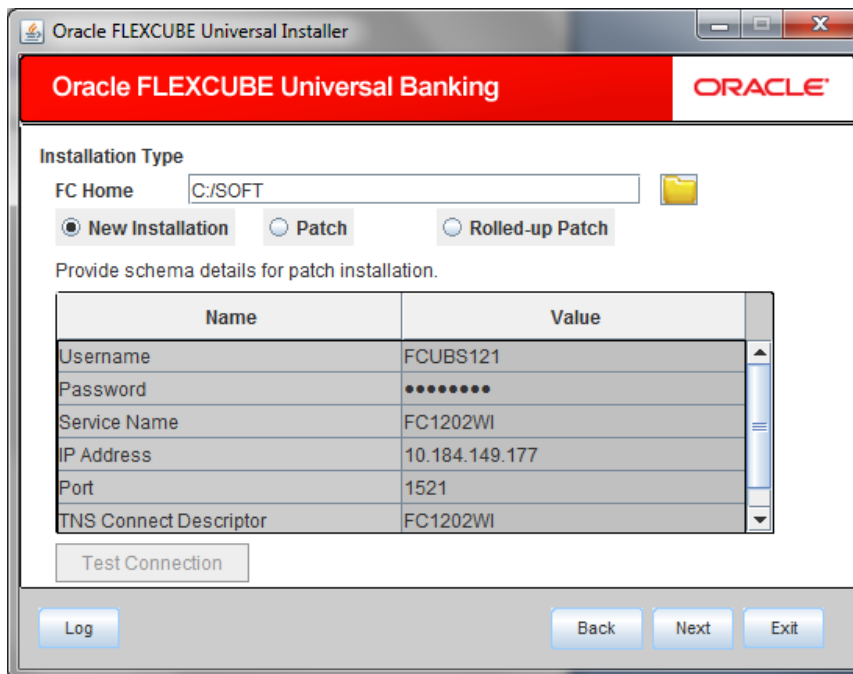
Application Server and Version

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

Database Server

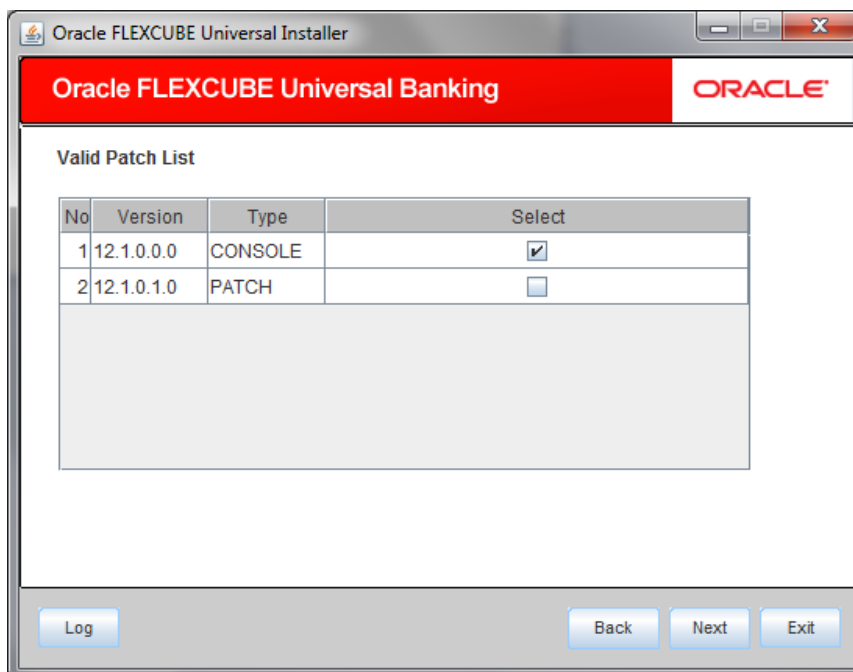
Specify the database server on which you are installing Oracle FLEXCUBE.

8. Once you have specified the above details, click 'Next' and the following screen is displayed:



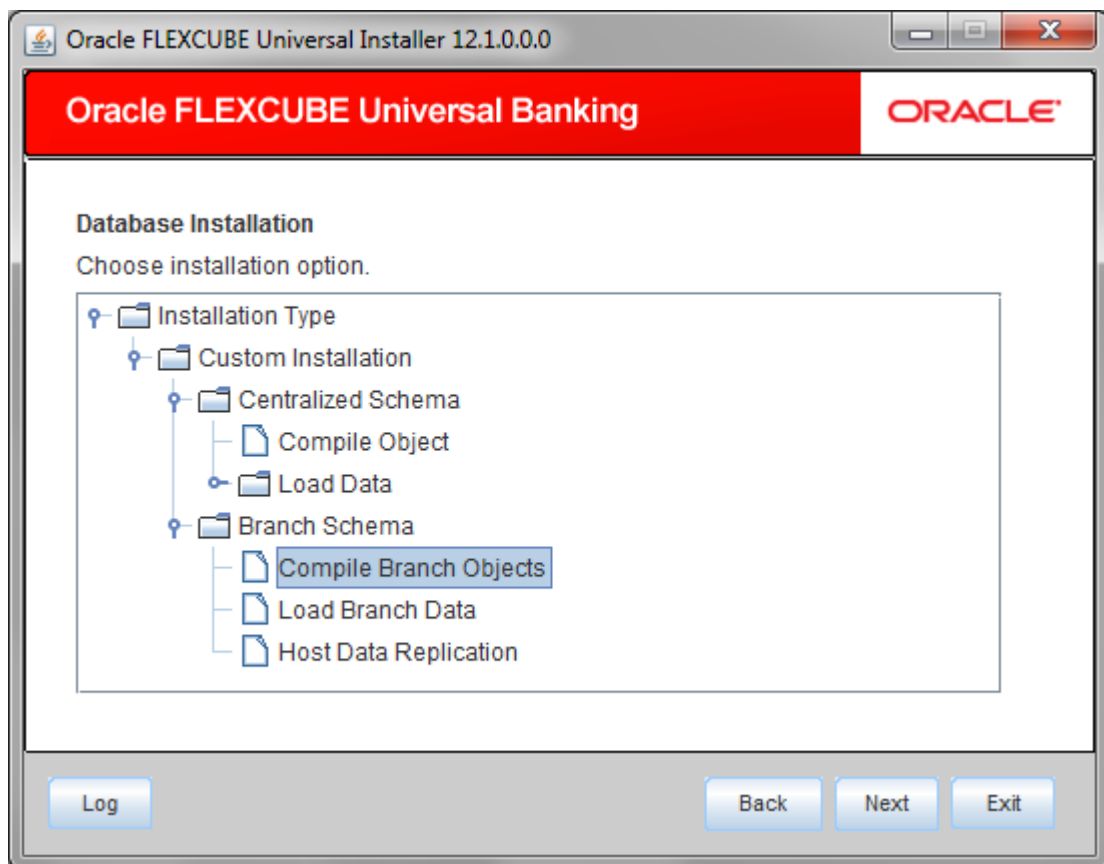
Select the appropriate installation option. Provide schema details for validation in case of patch and rolled up patch installation. For New Schema details are not enabled. Click 'Next'.

- Based on the FCHOME chosen, the valid list of deployable units are listed as shown in the next screen:

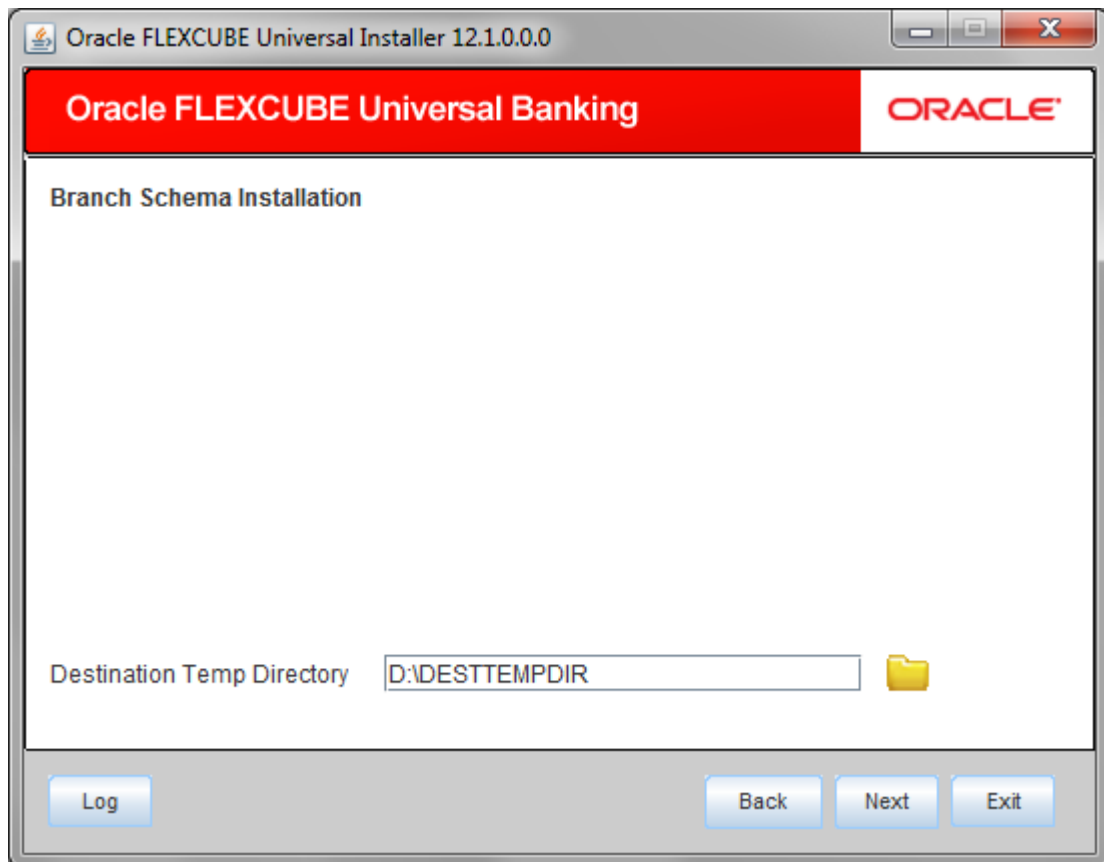


Choose the required set of Main and Patch releases. Click Next. Following screen is shown.

- Expand the installation type > 'Custom Installation' > Branch Schema.



11. Select 'Compile Branch Objects' under 'Branch Schema'.
12. Click 'Next' and the following screen is displayed:



Specify the following details:

Destination Temp Directory

Specify the destination directory. Use the directory icon  to browse the destination directory.

Click next, the following screen will be displayed.

Oracle FLEXCUBE Universal Installer

Oracle FLEXCUBE Universal Banking **ORACLE**

Database Installation
Provide schema details.

Name	Value
Username	username
Password	••••••••
Service Name	servicename
IP Address	10.10.10.10
Port	1521
TNS Connect Descriptor	TNSNameForService

Test Connection

Log Back Next Exit

Oracle FLEXCUBE Universal Installer 12.1.0.0.0

Oracle FLEXCUBE Universal Banking **ORACLE**

Branch Schema Installation
Provide Branch schema details.

Name	Value
TNS Connect Descriptor	testdb.world
DBLink Username	installer
DBLink Password	installer
DBLink Service Name	testdb
DBLink IP Address	10.10.10.10
DBLink Port	1521

Test Connection

Log Back Next Exit

Name	Value
DBLink Service Name	testdb
DBLink IP Address	10.10.10.10
DBLink Port	1521
DBLink TNS Connect Descriptor	testdb.world
Branch (use ',' for multiple branches)	
Addition of branch	N

Specify the following schema details:

User Name

Specify the user name to access the schema.

Password

Enter the schema password.

Service Name

Provide 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.

13. Once you have entered the details, you can test the database schema connection using 'Test Connection' button.



Note the following:

- If the connection is established, the installer displays a message 'Connection Successful'.

- If there is an error in establishing the connection, the system displays the message 'Invalid DB Credentials'.
- If the TNS entry is not proper, the installer displays the message 'TNS entries are not proper'.
-

DBLink User Name

Specify the host schema name that the Dblink needs to connect to..

DBLink Password

Specify the host schema password that the Dblink needs to connect to.

DBLink Service Name

Specify the host service name that the Dblink needs to connect to.

DBLink IP Address

Specify the host IP Address that the Dblink needs to connect to.

DBLink Port

Specify the host Port Number that the Dblink needs to connect to.

DBLink TNS Connect Descriptor

Specify the host TNS Connect Descriptore that the Dblink needs to connect to.

Branch(use ',' Separator for multiple branches)

Specify the branches which will be present in the branch schema. For multiples branch in a schema use a ',' separator . For example --- DC1,DC2 .

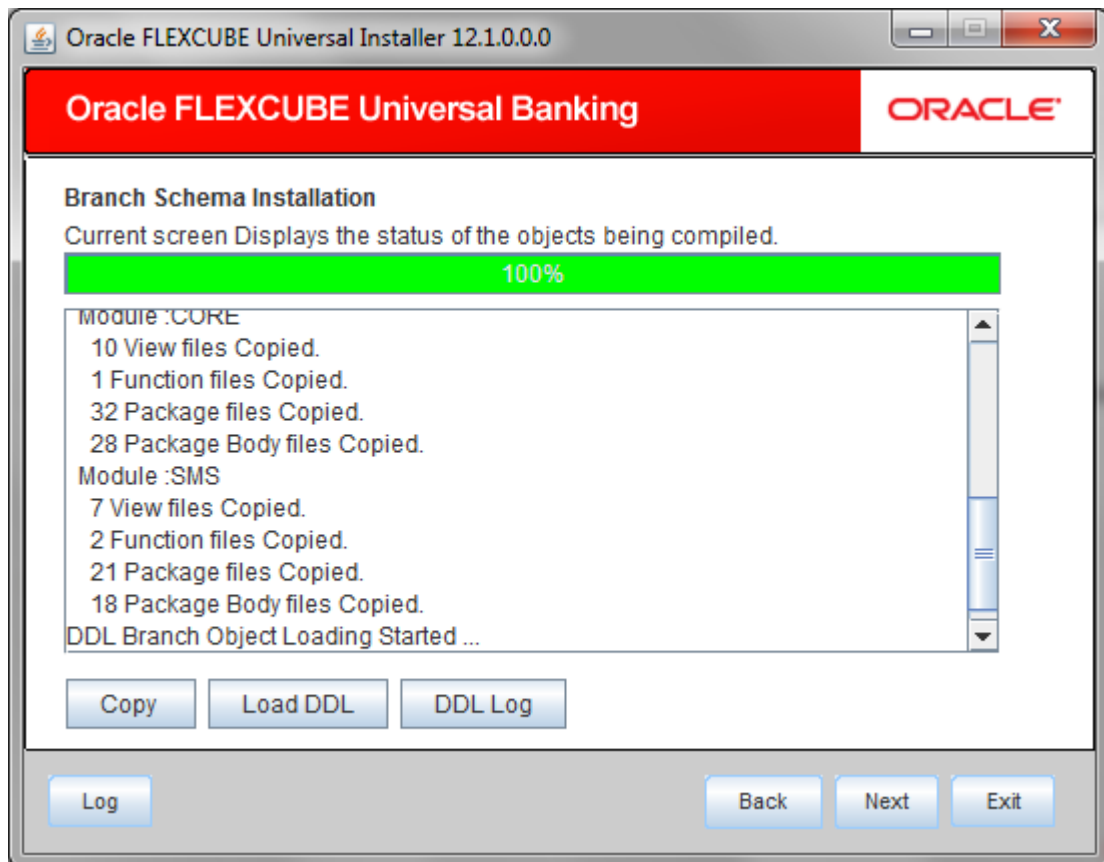
Addition of Branch

Default value is N, If a new branch is to be added , kindly specify this as Y.

For example, if it's a fresh branch setup, this value has to be N. After some years if we decide to add a new branch to an existing branch schema , this value has to be Y and the new branch has to be specified under branch above the addition of branch field.

•

14. After testing the connection successfully, click 'Next' and the following screen is displayed:

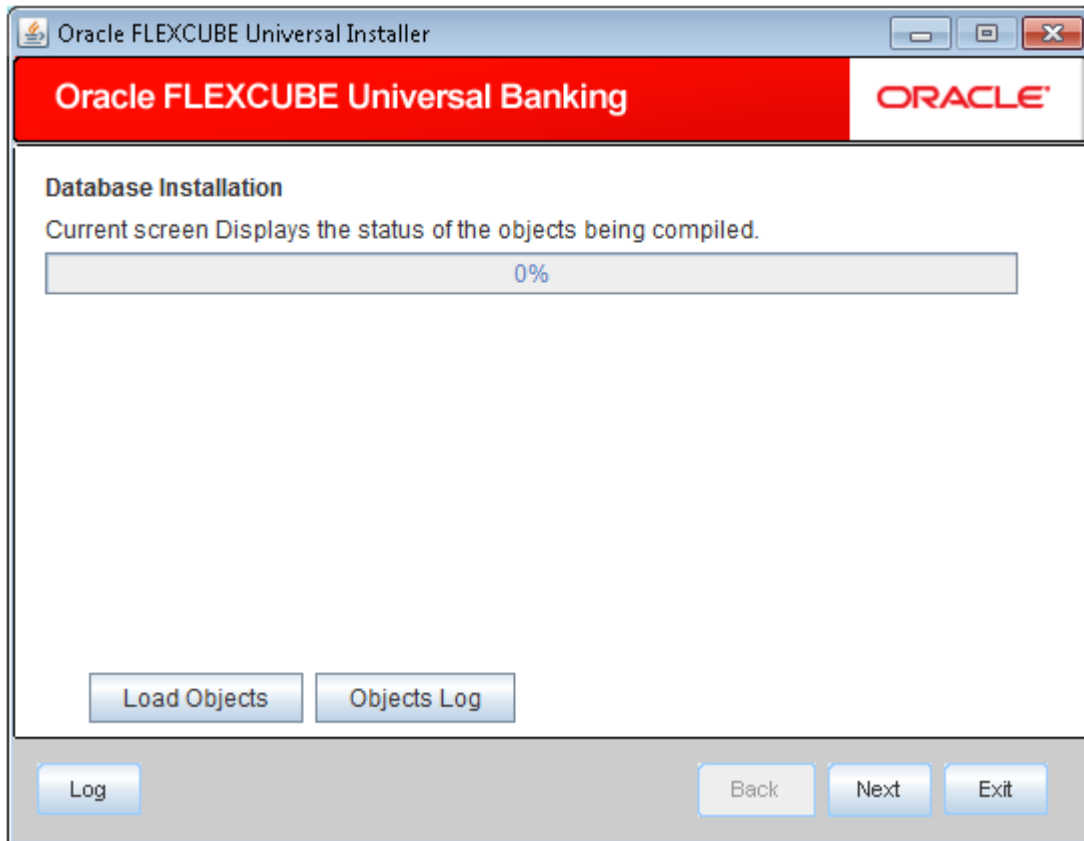


Click copy button to copy the files to destination directory.


Click "Load DDL" button to start loading the DDLs.

The logs can be viewed by clicking DDL log.

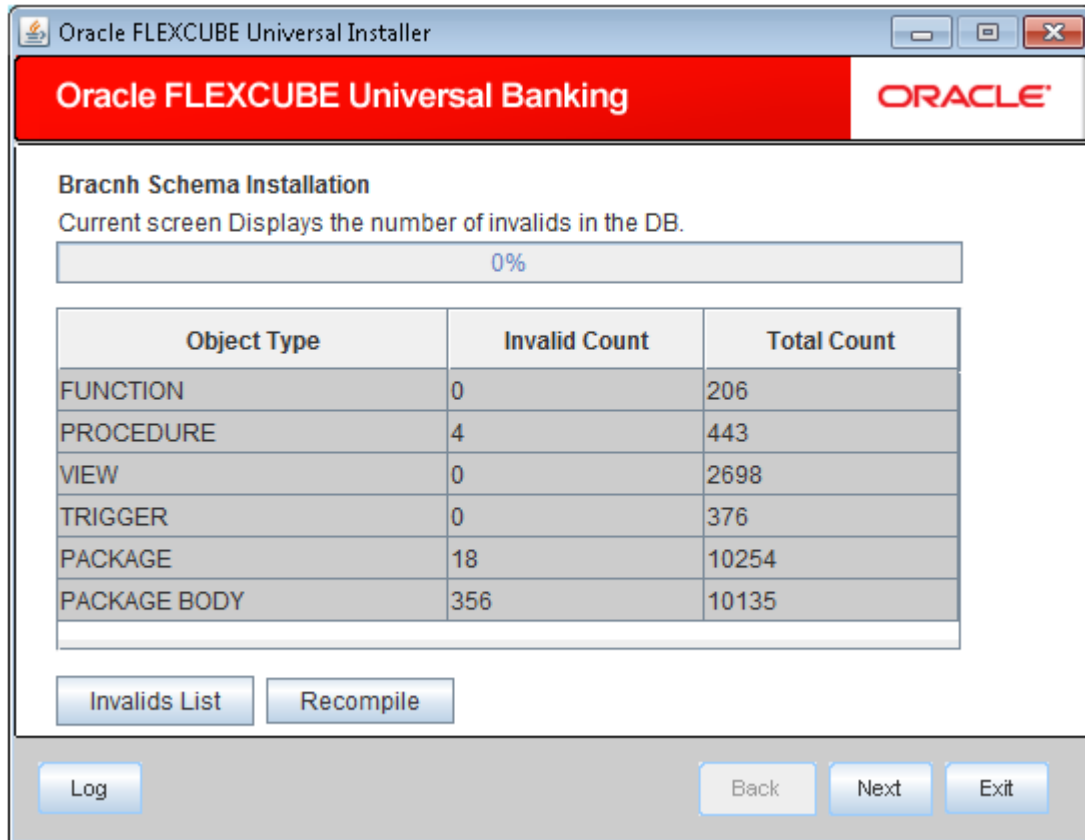
Click next to get next page



15. Click 'Load Objects' button. The installer loads the functions, procedures, views, triggers and packages as per your selection and compiles them.
16. Click 'Objects Log' button to view the log. The log file 'LoadAppObj.log' will be available in the destination directory under the folder 'DBLogs'.

 You can rectify the missing objects and recompile them either manually or by redoing the Application object compilation using Installer.

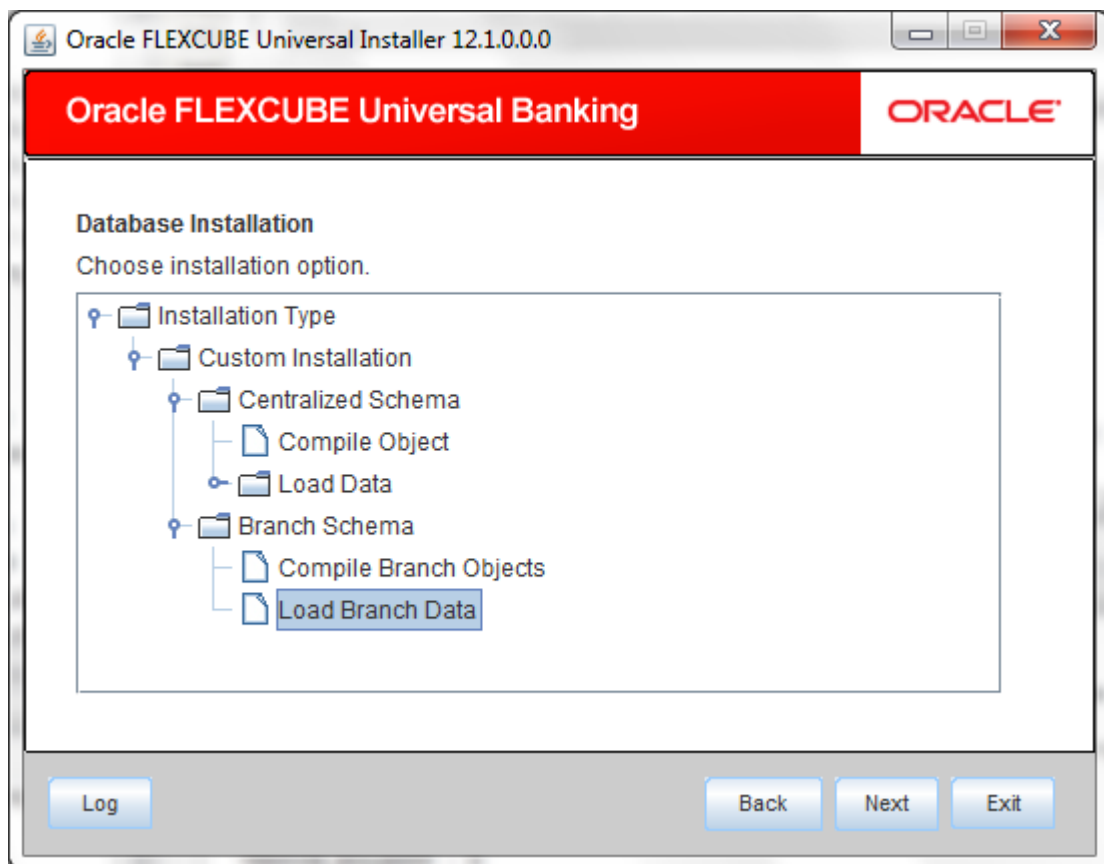
17. The installer loads the DDL and application objects of the selected modules.
18. You can view the list of invalid objects in the following screen.



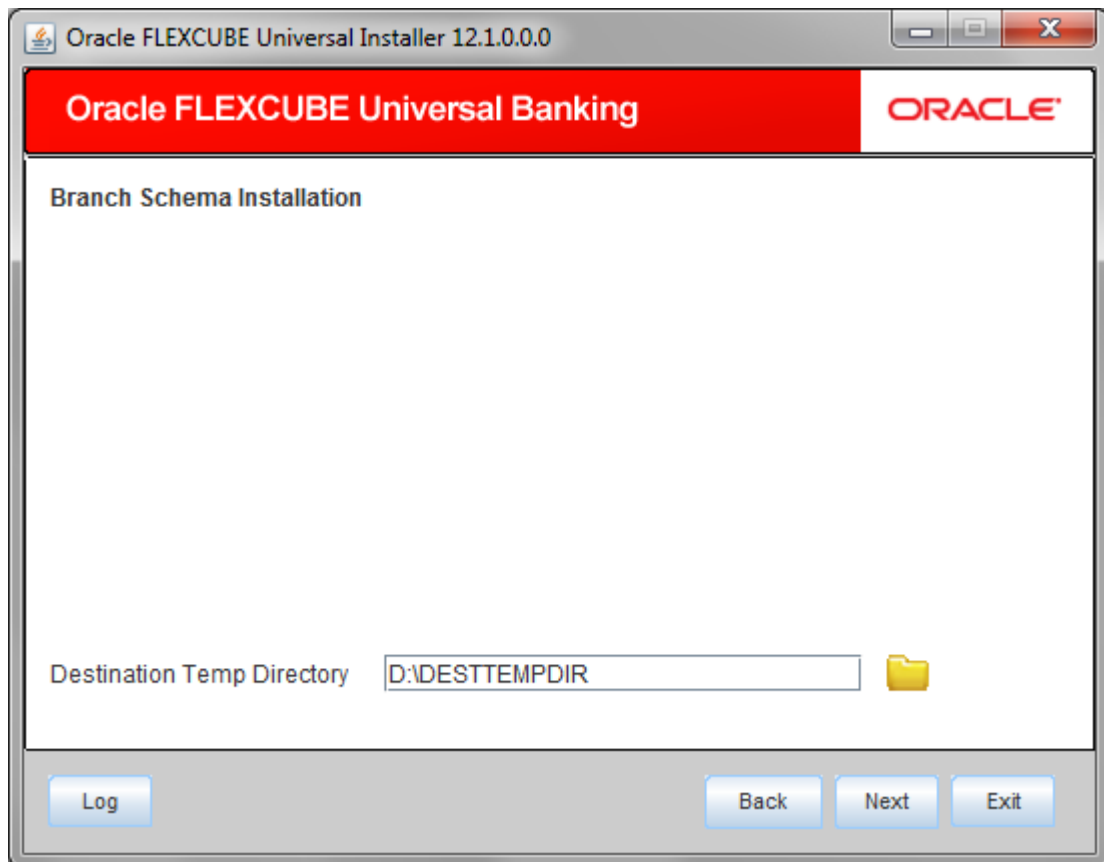
19. Click 'Invalid List' button to view the count of invalid objects. The installer creates the file 'InvalidList.txt' in the destination directory under the folder 'DBLogs'.
20. You can use the 'Recompile' button to do a cyclic recompilation. This will reduce the invalid objects count. The Installer allows you to use 'Recompile' button multiple times, in order to reduce the invalid objects count.
21. You can view the recompile logs by clicking 'Log' button. The installer creates a file 'recompile.log' in the destination directory under the folder 'DBLogs'.

Load Branch Data

22. Launch installer, follow the same steps as "Compile Branch Objects" til the below screen "Database Installation" appears. Then expand the installation type > 'Custom Installation' > Branch Schema.



23. Select 'Load Branch Data' under 'Branch Schema'.
24. Click 'Next' and the following screen is displayed:



Specify the following details:

Destination Temp Directory

Specify the destination directory. Use the directory icon  to browse the destination directory.

Click next, the following screen will be displayed.

Oracle FLEXCUBE Universal Installer

Oracle FLEXCUBE Universal Banking **ORACLE**

Database Installation
Provide schema details.

Name	Value
Username	username
Password	*****
Service Name	servicename
IP Address	10.10.10.10
Port	1521
TNS Connect Descriptor	TNSNameForService

Test Connection

Log Back Next Exit

Oracle FLEXCUBE Universal Installer 12.1.0.0.0

Oracle FLEXCUBE Universal Banking **ORACLE**

Branch Schema Installation
Provide Branch schema details.

Name	Value
TNS Connect Descriptor	testdb.world
DBLink Username	installer
DBLink Password	installer
DBLink Service Name	testdb
DBLink IP Address	10.10.10.10
DBLink Port	1521

Test Connection

Log Back Next Exit

Name	Value
DBLink Service Name	testdb
DBLink IP Address	10.10.10.10
DBLink Port	1521
DBLink TNS Connect Descriptor	testdb.world
Branch (use ',' for multiple branches)	
Addition of branch	N

Specify the following schema details:

User Name

Specify the user name to access the schema.

Password

Enter the schema password.

Service Name

Provide 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.

25. Once you have entered the details, you can test the database schema connection using 'Test Connection' button.



Note the following:

- If the connection is established, the installer displays a message 'Connection Successful'.

- If there is an error in establishing the connection, the system displays the message 'Invalid DB Credentials'.
- If the TNS entry is not proper, the installer displays the message 'TNS entries are not proper'.
-

DBLink User Name

Specify the host schema name that the Dblink needs to connect to..

DBLink Password

Specify the host schema password that the Dblink needs to connect to.

DBLink Service Name

Specify the host service name that the Dblink needs to connect to.

DBLink IP Address

Specify the host IP Address that the Dblink needs to connect to..

DBLink Port

Specify the host Port Number that the Dblink needs to connect to.

DBLink TNS Connect Descriptor

Specify the host TNS Connect Descriptore that the Dblink needs to connect to.

Branch(use ',' Separator for multiple branches)

Specify the branches which will be present in the branch schema. For multiples branch in a schema use a ',' separator . For example --- DC1,DC2 .

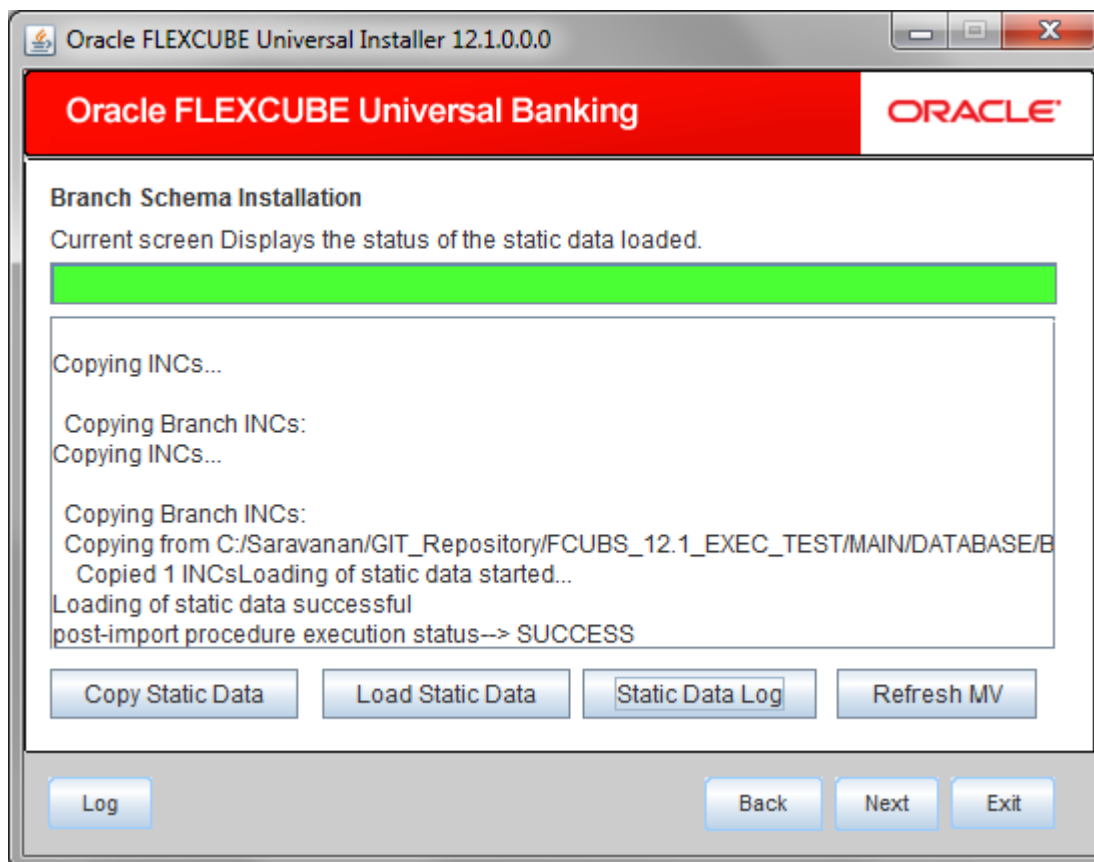
Addition of Branch

Default value is N, If a new branch is to be added , kindly specify this as Y.

For example, if it's a fresh branch setup, this value has to be N. After some years if we decide to add a new branch to an existing branch schema , this value has to be Y and the new branch has to be specified under branch above the addition of branch field.

•

26. After testing the connection successfully, click 'Next' and the following screen is displayed:



Click "Copy Static Data" button to copy the files to destination directory.

Click "Load Static Data" button to start loading the static data to schema.

The logs can be viewed by clicking "Static Data logs" button.

Click "Refresh MV" button to refresh all the data from host schema to the branch schema.



FCUBS Database Setup
[January] [2016]
Version 12.1.0.0.0

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