Installer Database Setup
Oracle FLEXCUBE Universal Banking
Release 12.4.0.0.0
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FINANCIAL SERVICES

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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.

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:

$impdp user_name/password directory=dir_name dumpfile=dmp_file_name.dmp logfile=dmp_file_name.log remap_schema=from_schema_name:to_schema_name remap_tablespace=from_tablespace_name:to_tablespace_name transform=OID:n

1.3 Creating Schema from Shipment Media

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

1.3.1 Backend Setup using Silent Installer

Backend Setup has to be done using Silent Installer. DDL Compilation, Object Compilation and Static Data Load are taken care as part of Backend Setup.

Before loading objects into the schema, fcubs.properties file creation must be performed with the required database details using the GUI installer (Refer FCUBS_Property_File_Creation.pdf).

- After the property file is created, env.properties file, present in INSTALLER/SOURCE/logs/ directory, is automatically updated, with the details provided while creating the property file.

- Copy and replace env.properties file present in INSTALLER/GUI/logs/ into INSTALLER/SOFT/logs/ directory.

- Set Environment variable NLS_LANG to AMERICAN_AMERICA.UTF8

- Run the **<Product Processor>**DBCompileRun.bat from INSTALLER/SOFT directory. DDL Compilation, Object Compilation and Static Data load will be done.

For Example: ROFC INSTALLATION-

a. Run ROFCDBCompileRun.bat in windows (ROFCDBCompileRun.sh in linux)

b. Run POJOLoadRun.bat in windows (POJOLoadRun.sh in linux)

<Product Processor>DBCompileRun.bat – PMDBCompileRun bat (PMDBCompileRun sh) for Payments, ROFCDBCompileRun bat (ROFCDBCompileRun .sh) for ROFC, CLCompileRun.bat (CLCompileRun.sh) for Corporate Lending ,POJOLoadRun bat (POJOLoadRun sh) for POJO Compilation and so on.

Check for the Invalid Count and make sure that the Invalid count is '0'.

🛑Note the following:

- <Product Processor> prefix - "ROFC", "CL","PM","ELCM"
- If necessary invalids recompilation can be done manually by using UTL_RECOMP package.

1.3.2 **Basic Setup using GUI Installer**

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

1. Launch Oracle FLEXCUBE Installer. Select the Application Name accordingly.
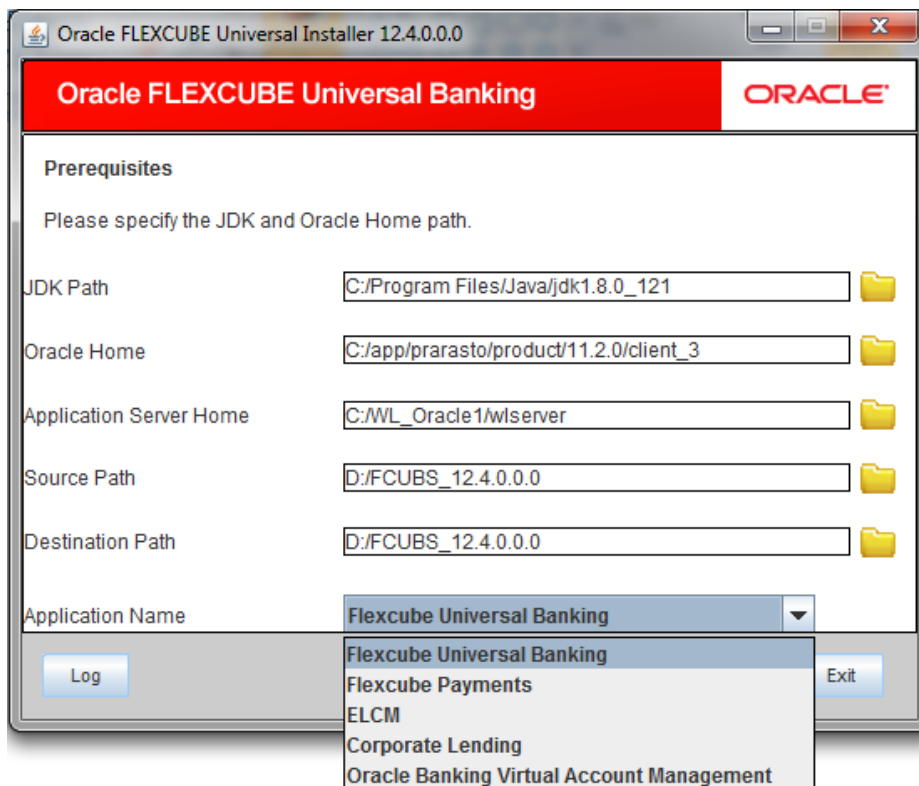
Note : Environment variable NLS_LANG to AMERICAN_should be set to AMERICA.UTF8

Click 'Next' and the following screen is displayed.
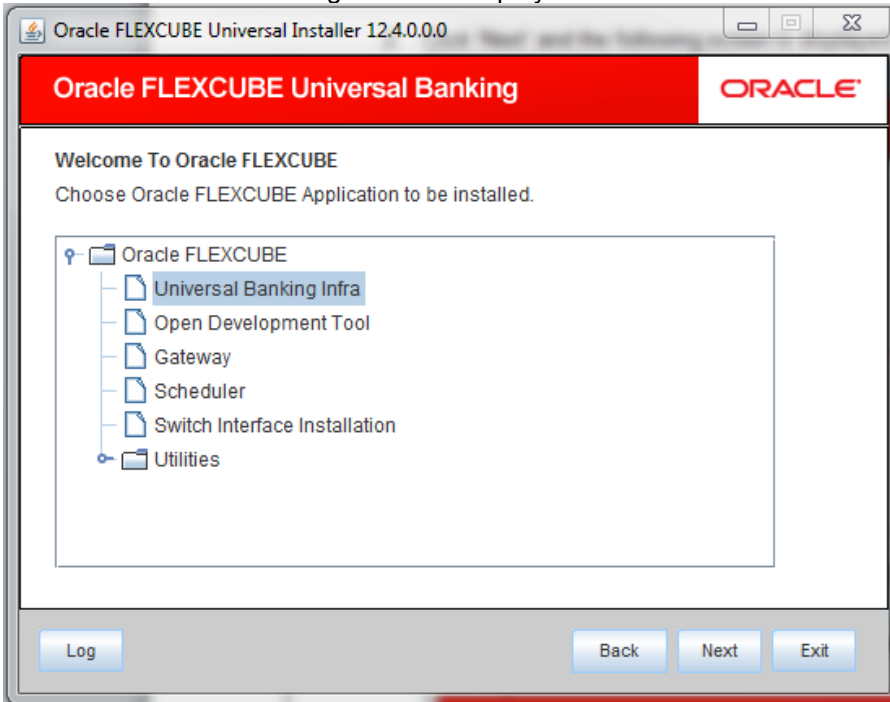
2. Click 'Next' and the following screen is displayed:
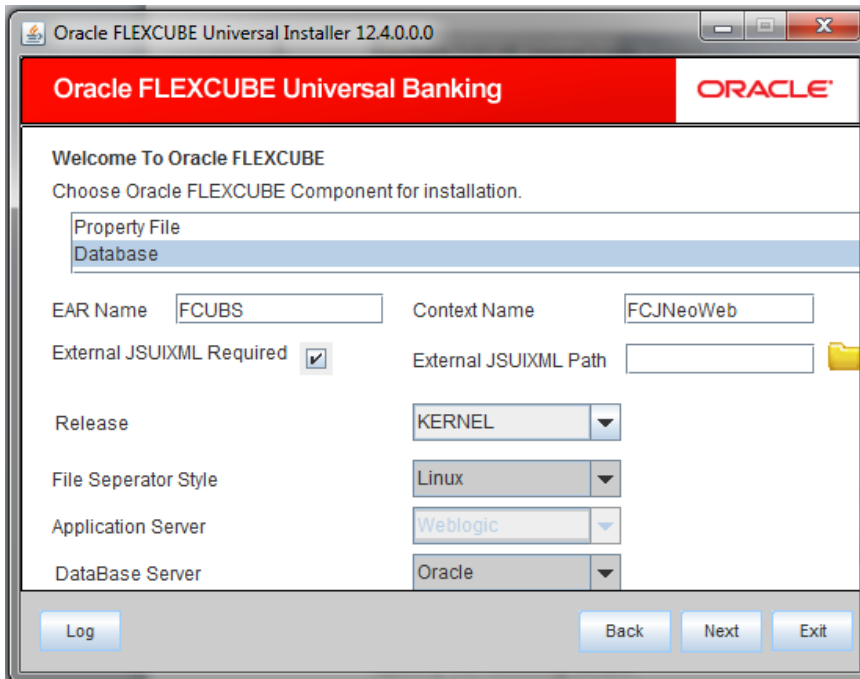
3. Choose 'Database Setup'.

Specify the following details:

EAR Name

Specify a name for the Application to be deployed

Context Name

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

External JSUIXML Required

Specify whether screen changes will be deployed as External JSUIXML for the application.

External JSUIXML Path

Based on the value of External JSUIXML Required, External JSUIXML path on the application server machine has to be specified here.

Release

Specify the release which you want to install.

File Separator Style:

Specify the type of file separator (For example, Linux or Windows). Select the appropriate one from the drop-down list. You also need to specify the version of the selected operating system.

Application Server

Specify the application server in which you are creating the property file. Select the appropriate one from the drop-down list.

Database Server

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

4. Once you have specified the above details, click 'Next' and the following screen is displayed:
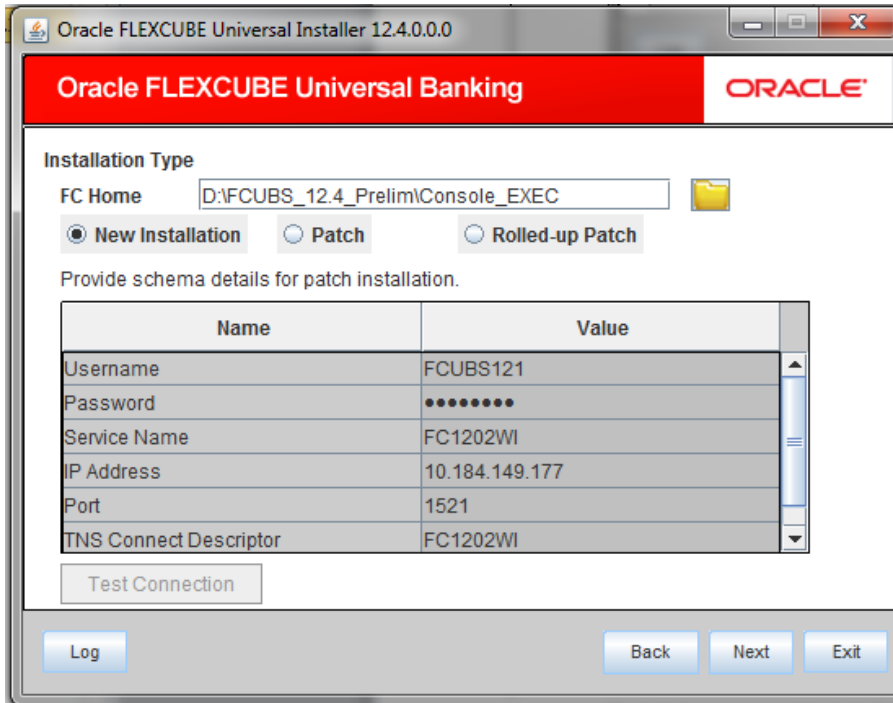
Select the appropriate installation option. Provide schema details for validation in case of patch and rolled up patch installation. For New Installation, click 'Next'.

5. 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.
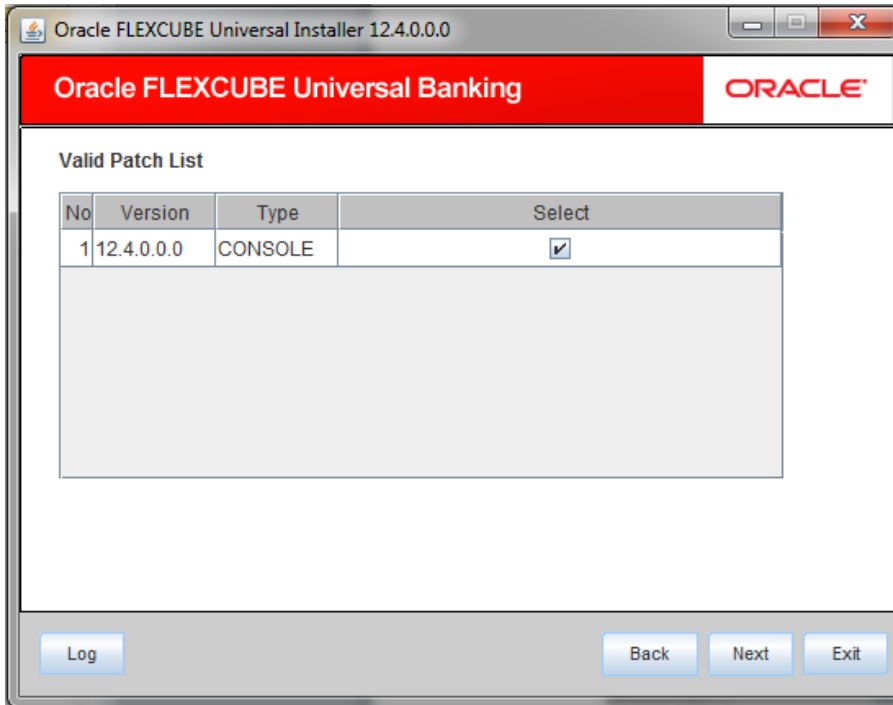
The Oracle FLEXCUBE installer supports custom installation of Oracle FLEXCUBE in two methods:

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

    As mentioned above using the Silent Installer.

6. Select 'Load Static Data' under 'Custom Installation'
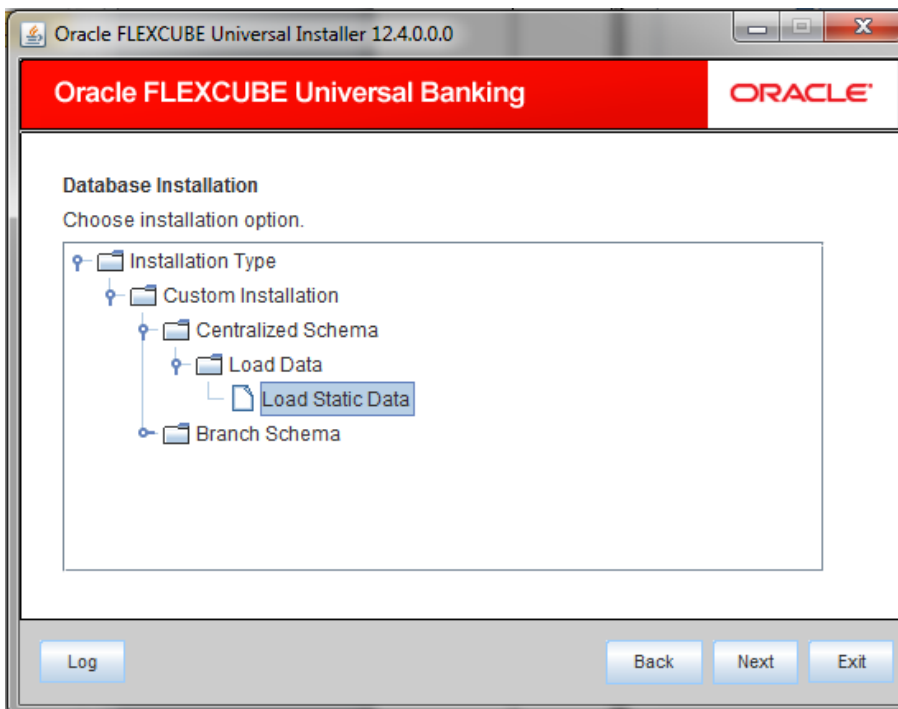
7. Click 'Next' and the following screen is displayed:
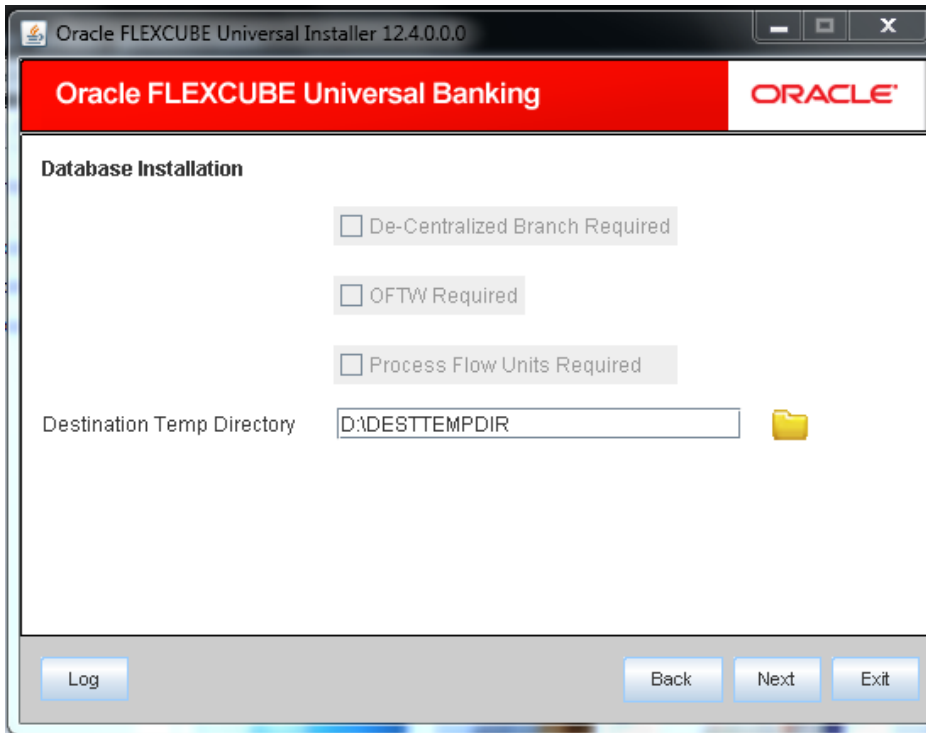
Specify the following details:

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)

8. Click 'Next' and the following screen is displayed:
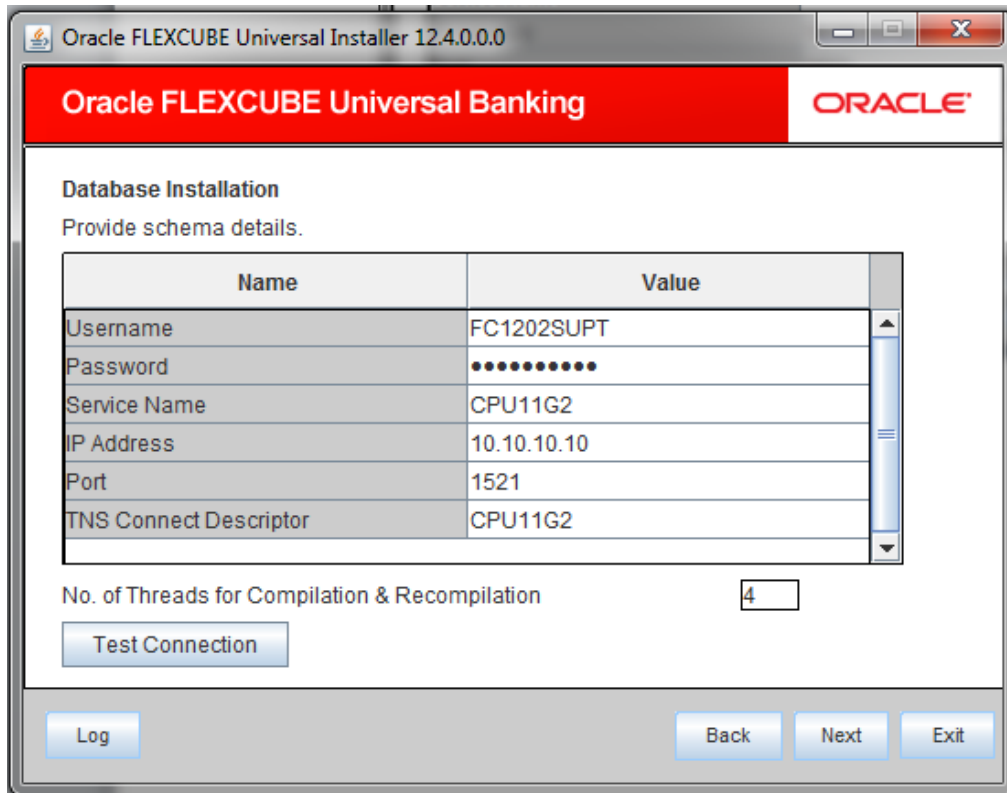
Specify the following schema details:

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 Compilation & Recompilation

Specify the number of processes that would be used to compile the objects and recompile the Objects in Recompile Process. Recommended value is 4 to 8. (no of cores of the machine from where db is being set) .Maximum Limit is No of cores*2.

TNS Connect Descriptor

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

9. 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'.

10. After testing the connection successfully, click 'Next' and the following screen is displayed:
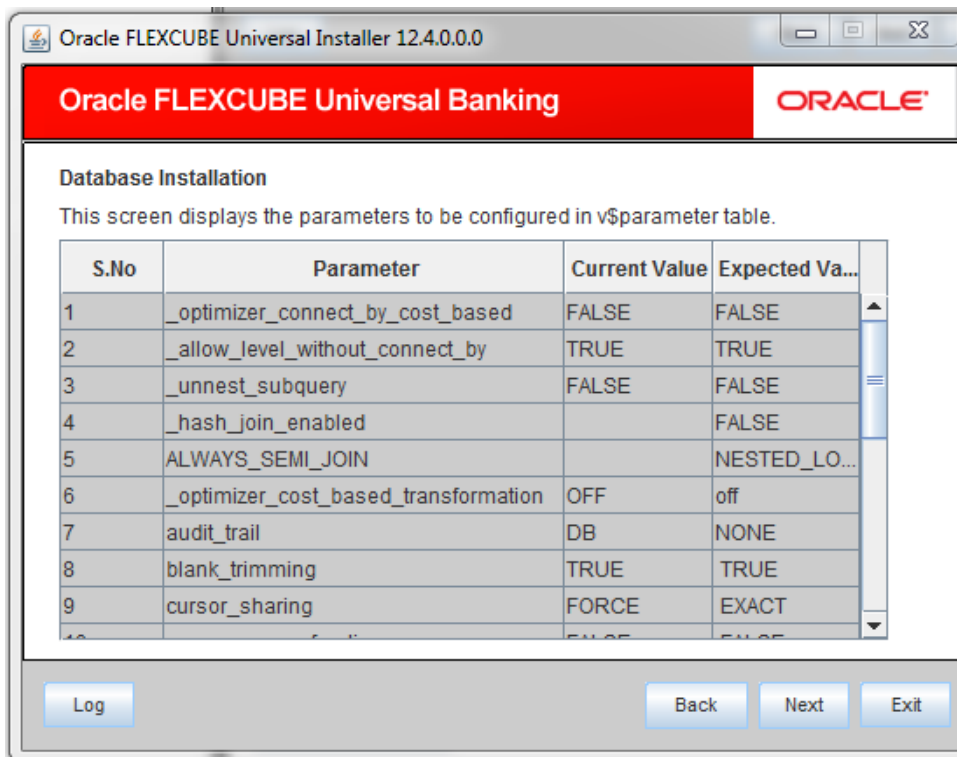
This screen displays the parameter details of the database.

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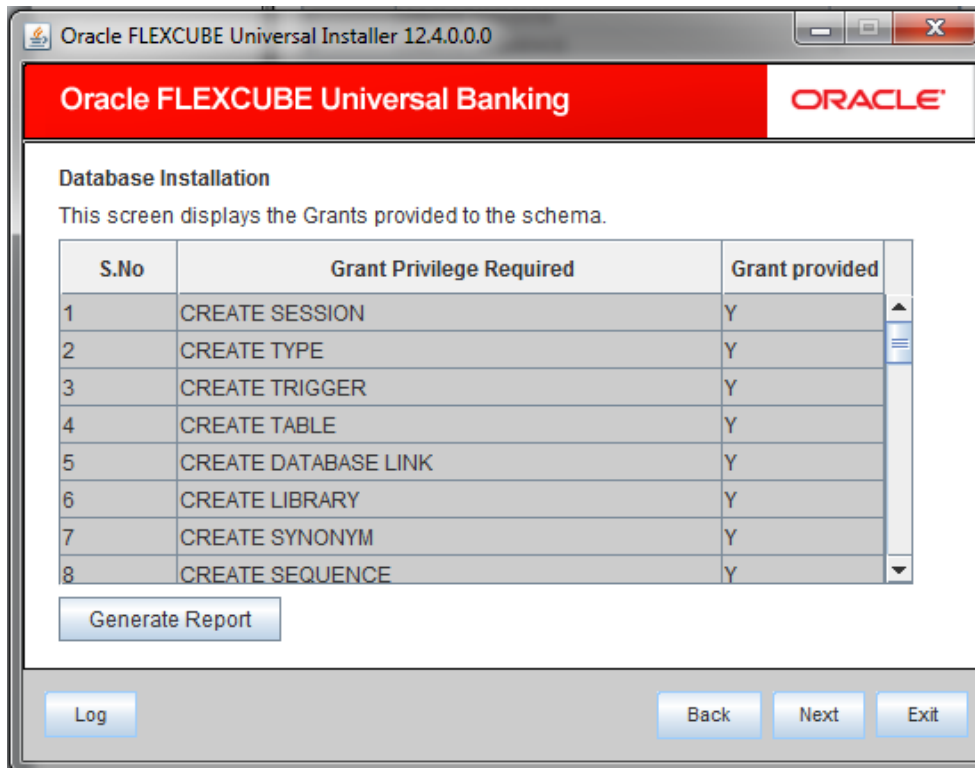
This screen displays the grants provided to the schema. If object compilation is required and the privilege is not given, then you can find that out from this screen.

12. 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 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.

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

14. Click 'Next' and the following screen is displayed:
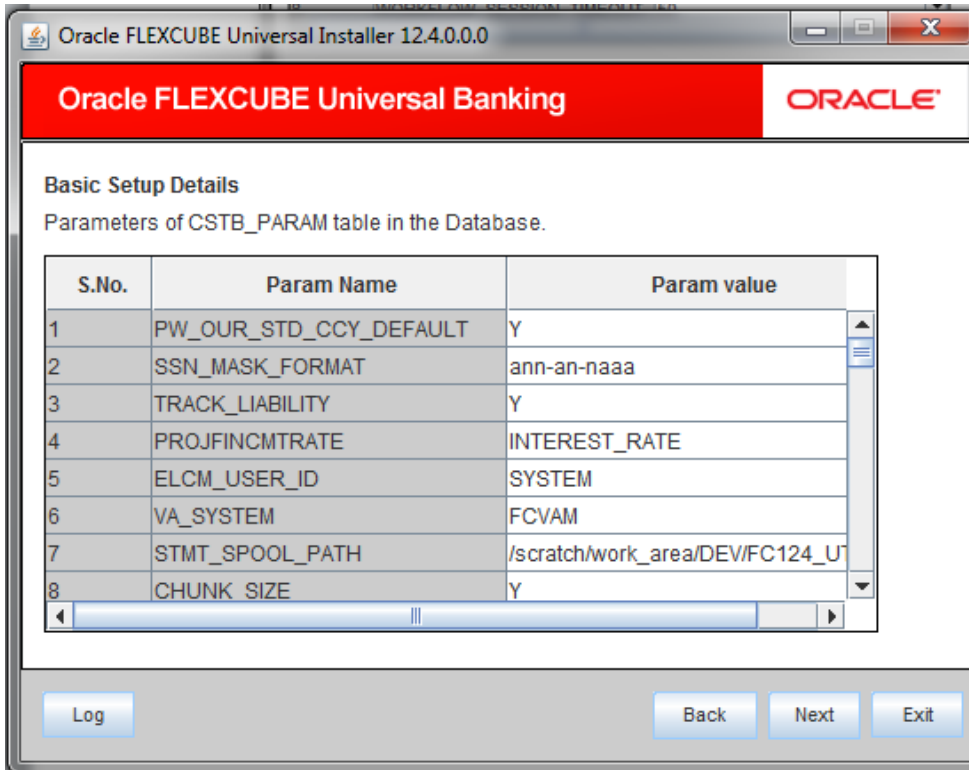
15. Screen displays basic setup details for table 'CSTB_PARAM'. Here debug paths can be added for WORK_AREA and TRACE_AREA.

16. Screen displays parameters for table SMTB_MODULES_GROUP
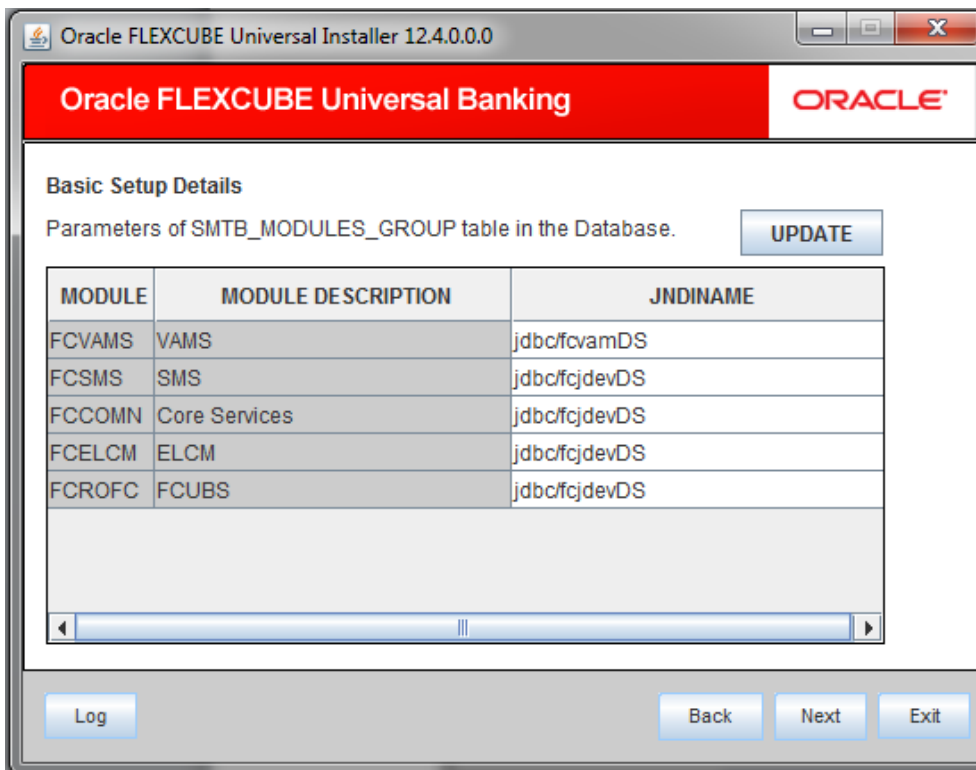
17. Click 'Next'. The following screen is displayed.

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

Process Deployment

Choose mode of process deployment between BPEL or BPMN

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

19. 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.

20. Click 'Next'. The following screen is displayed.
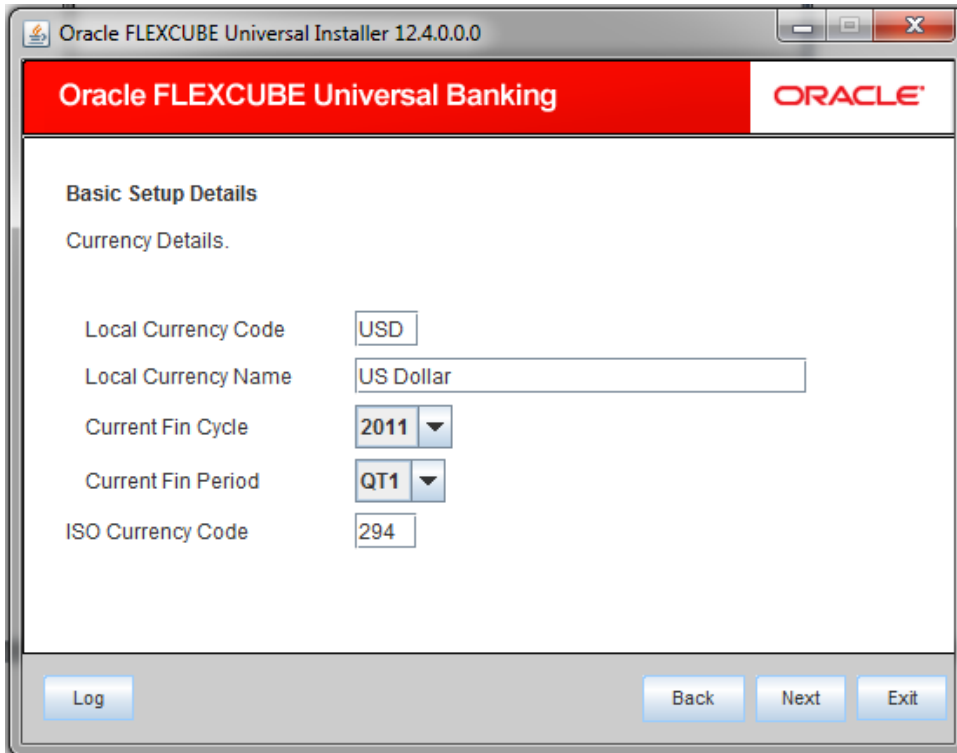
Screen displays basic setup details for currency.

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.

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

22. Creation of 'SYSTEM' user is mandatory for payments processing, it needs to be created as part of static data setup.
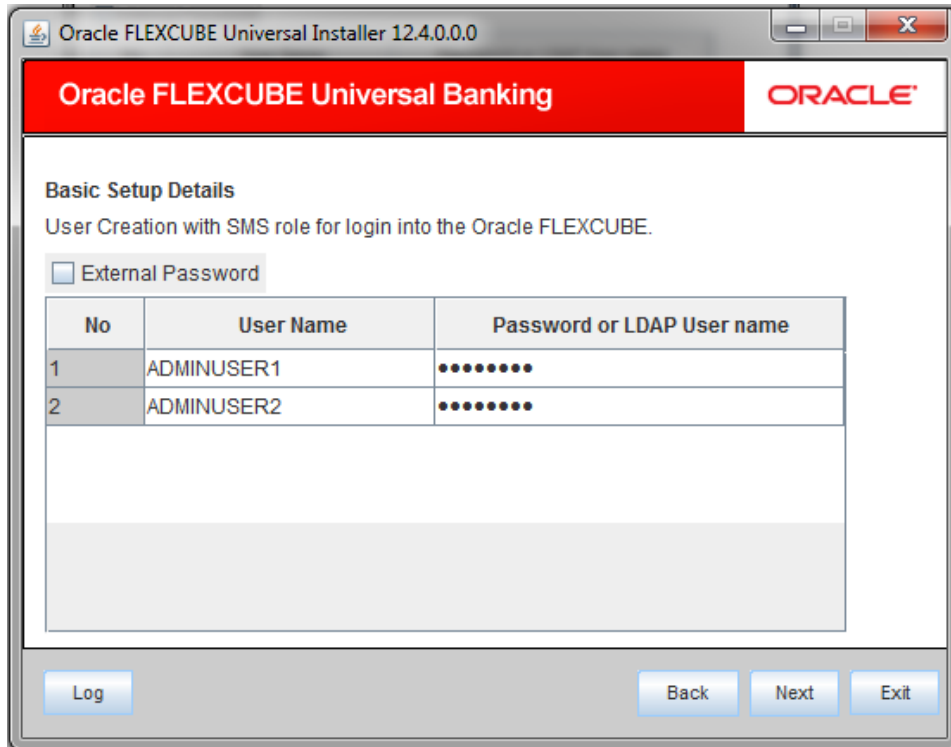
Screen displays basic setup details for the table 'SMTB_USER', 'SSTB_USER' and 'SMTB_USER_ROLE'.

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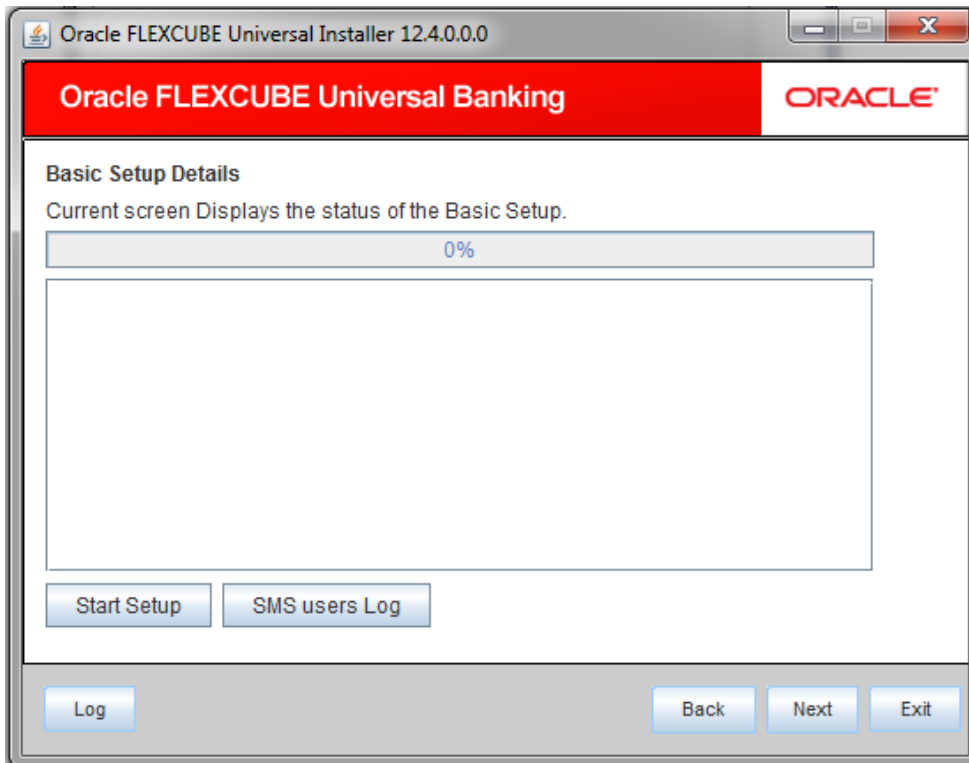
24. Click 'Start Setup' button to compile the entries.

25. JNDI name in Smtb_Modules_group table need to be updated manually.

This completes the basic setup process.

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