Installer Database Setup
Oracle FLEXCUBE Universal Banking
Release 14.8.3.0.0

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ORACLE
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 Pre-Requisites

Below Privilege must be provided to the Database Schema from SYS Database User. These grants should be provided after schema creation and before the Installation.

1. ALTER USER ENABLE EDITIONS [FORCE];
2. GRANT CREATE ANY EDITION TO <SCHEMA NAME>
3. GRANT DROP ANY EDITION TO <SCHEMA NAME>
4. GRANT ALTER SESSION TO <SCHEMA NAME>
5. GRANT EXECUTE on DBMS_SESSION TO <SCHEMA NAME>

1.3 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

1.4 Creating Schema from Shipment Media

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

1.4.1 Backend Setup using Silent Installer

Backend Setup has to be done using Silent Installer. DDL Compilation, Object Compilation and Static Data Load will be 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). After the property file is created, env.properties file, present in INSTALLER/SOFT/GUI/logs/ directory, will be automatically updated, with the details provided while creating the property file.

env.properties file present in INSTALLER/SOFT/GUI/logs/ will be automatically copied to INSTALLER/SOFT/logs/ directory as part of property file creation. Details from this env.properties are taken for further steps.

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-

First load SMS objects first and then ROFC objects. i.e.

a. Run SMSDBCompileRun.bat in windows (SMSDBCompileRun.sh in linux). Note: Before running DB Compilation of any sort, please make sure that System Date Time format and language are provided as English, or otherwise DB Compilation might fail due to improper log names.

b. After SMS object loading is completed, then initiate ROFC compilationRun ROFCDBCompileRun.bat in windows (ROFCDBCompileRun.sh in linux)

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

Check for the Invalid Count and make sure that the Invalid count is '0'. Please run Invalid Recompilation script(fast.sql), if required. Please provide number of threads and schema name as input while running the script.



fast.sql

For Cluster : As part of FCUBS_14.0.0.0.1 patch set Mexico Localization changes are released in cluster mode. So from FCUBS_14.0.0.0.1 patch onwards if any site wants to consume these changes, needs to run the ROFCDBCompileClusterRun.bat in windows(ROFCDBCompileClusterRun.sh in linux).

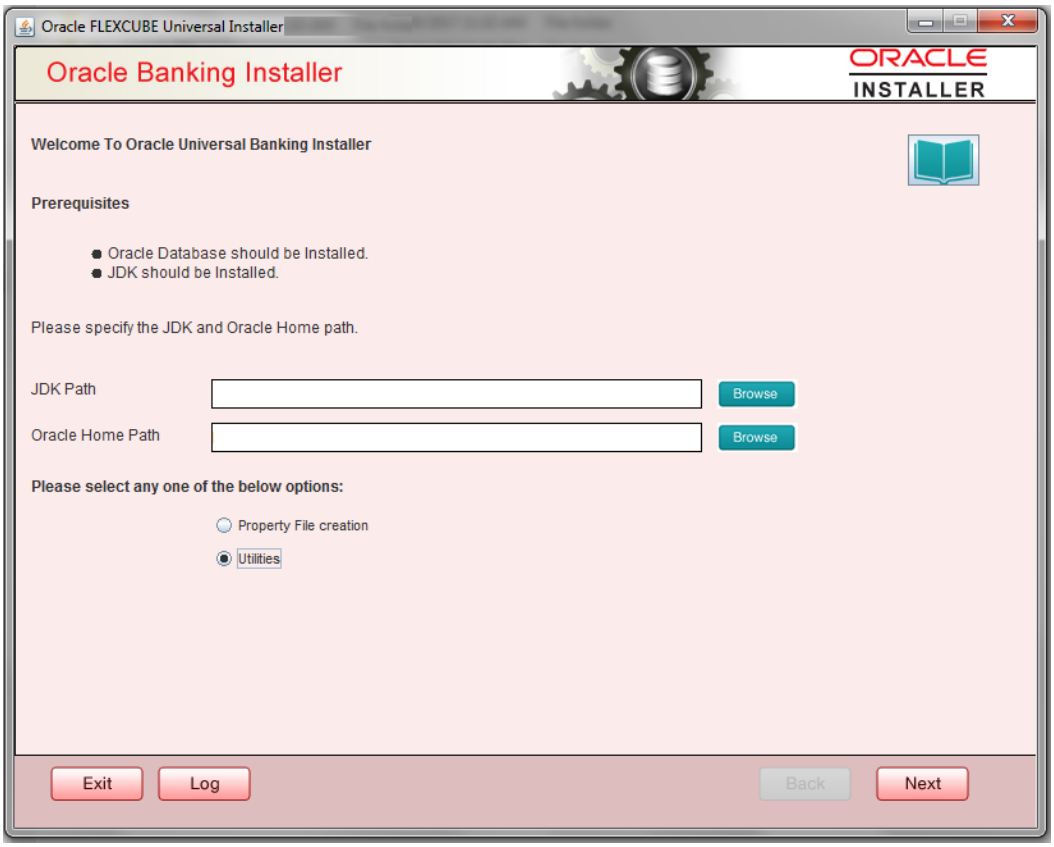
This is for KERNEL as well as cluster objects in DB schema.

Similarly, FCUBS_14.3.0.2.0 patch set onwards, if any Site wants to consume Italy Cluster changes, then they need to run the ROFCDBCompileClusterRun.bat in windows (ROFCDBCompileClusterRun.sh in linux).

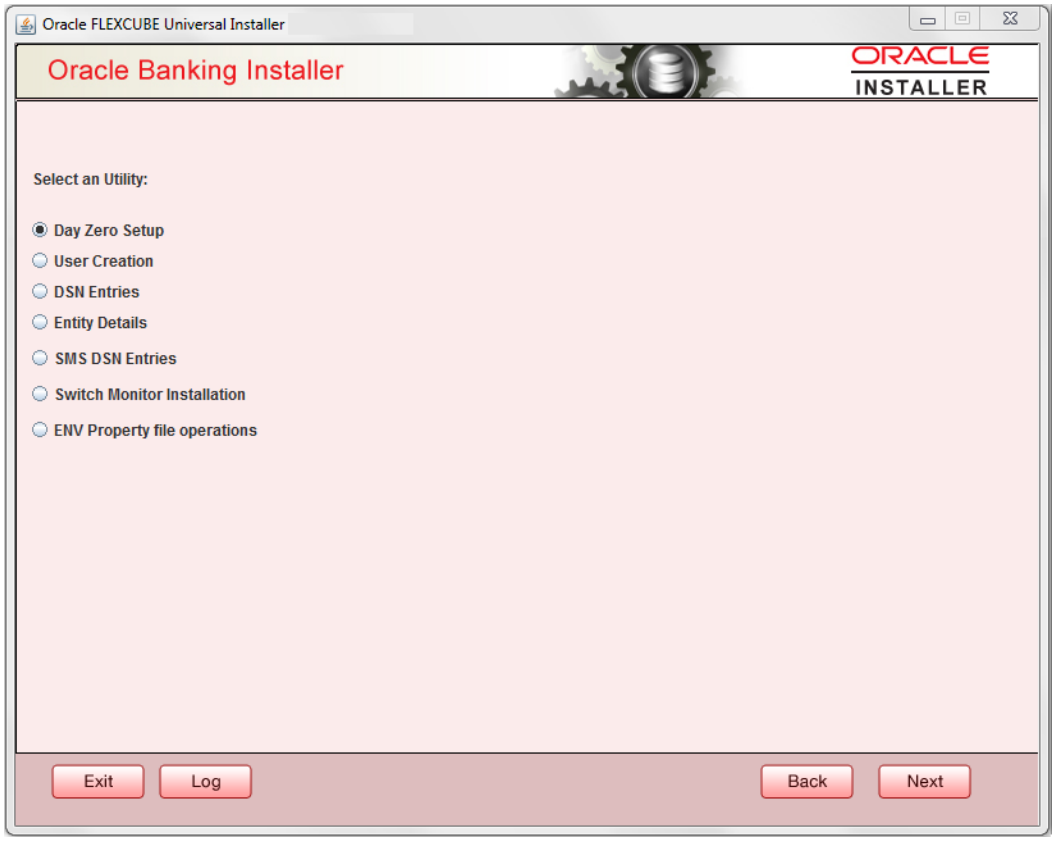
1.4.2 Basic Setup using GUI Installer

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

1. Double-click 'FCUBSInstaller.bat' batch file to launch Oracle FLEXCUBE Universal Installer. The following screen is displayed. Select Utilities option and click 'Next' button.



2. Select ‘Day Zero Setup’ in Utility Screen and click Next as shown below:



3. Click ‘Next’ and in the below screen. ROFC Schema details to be entered is displayed:



Specify the following schema details:

Username

Specify the username 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.

Note: IP Address should be same as mentioned in the TNSnames.ora

Port

Specify the port number.

TNS Connect Descriptor

Specify the TNS Connect Descriptor.

Here Entity Schema is mandatory, atleast minimum one entry should be provided.

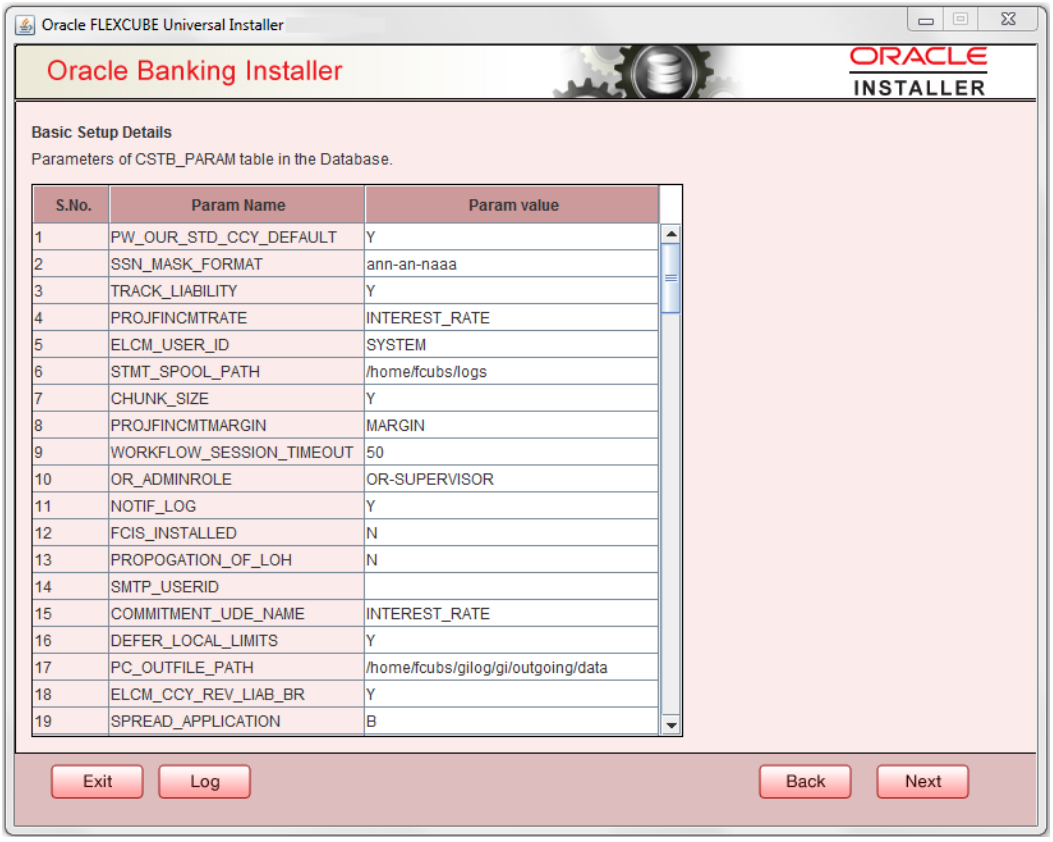
Entity Id value is default i.e. ‘ENTITY_ID1’ for first entry.

Provide the JNDI Name for the ENTITY_ID1. By default the jndi name is ‘jdbc/fcjdevDS’

Give the Schema Details for the Entity1.

Here Compile In All Entities Field is ‘N’. (As using the Single Entity Concept).

4. Click ‘Next’ and the following screen is displayed:



5. Screen displays basic setup details for table ‘CSTB_PARAM’.

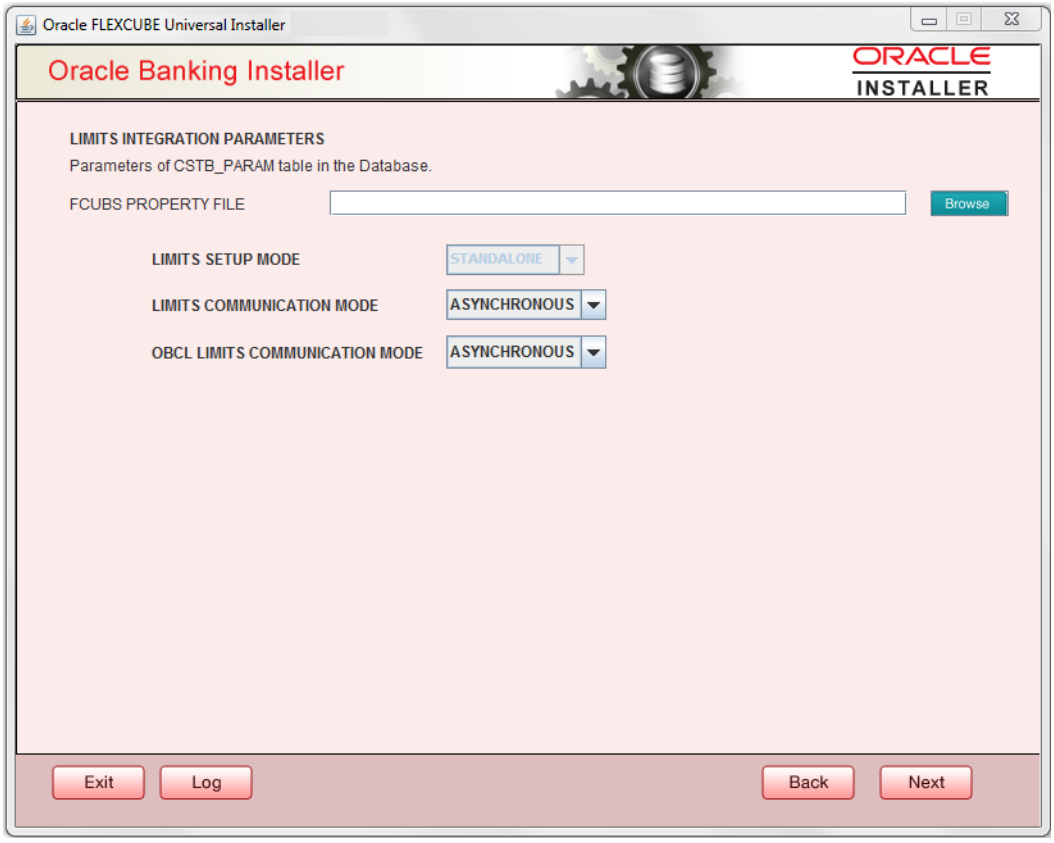
   Here Oracle directory name (present in all directories table in the schema) must be added for WORK_AREA and TRACE_AREA. Oracle directory name must be added for other required parameters also.

   Oracle directory creation in the schema can be done as below:

   Create or replace directory dir_name as 'directory_path’.

   If the target database is Autonomous Database then WORK_AREA and TRACE_AREA value should be blank, and USERDEBUGMODE must be given as ‘DB’ for Autonomous Database.

6. Click on ‘Next’ button to display Limits integration Parameters Screen as shown below:



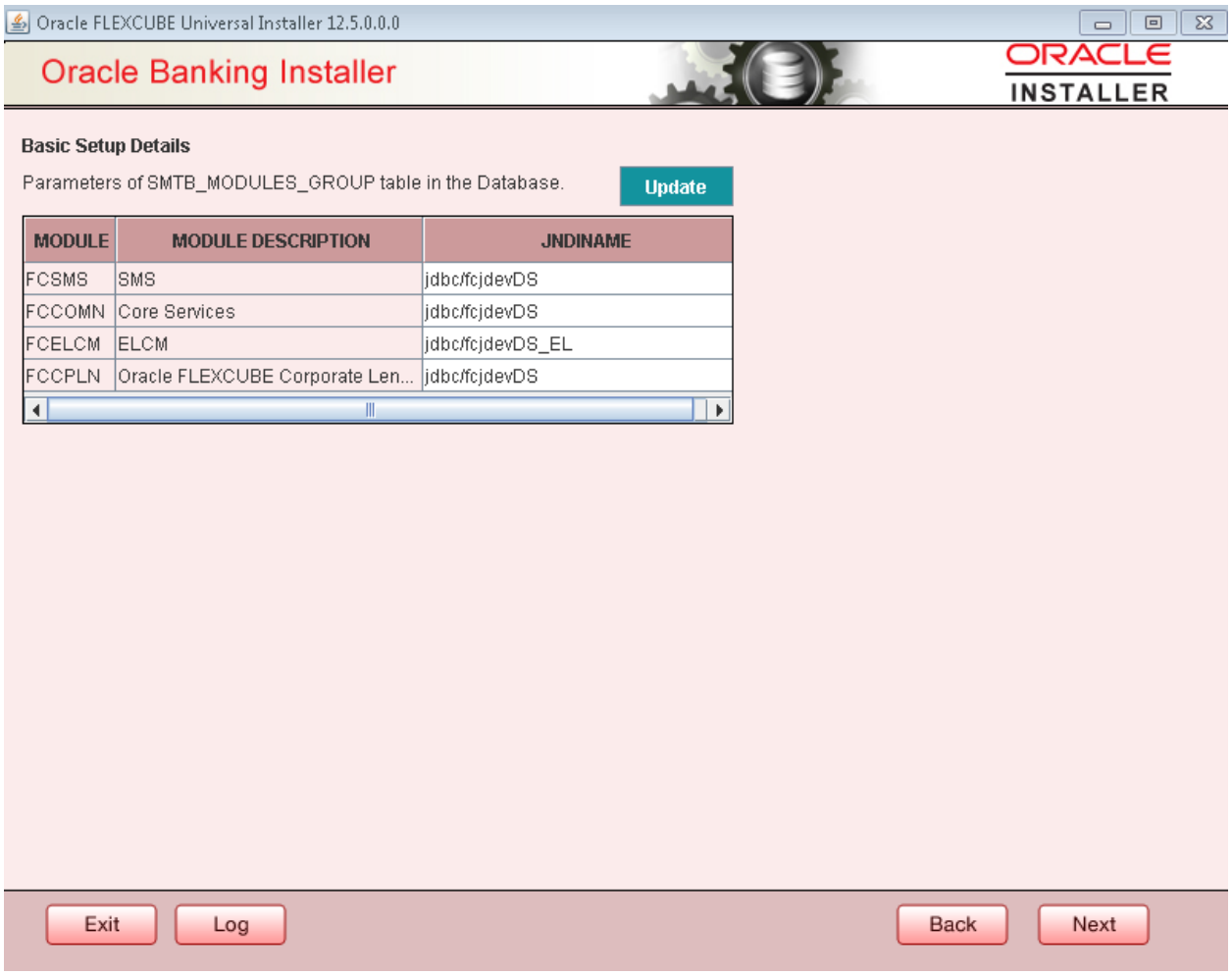
Limits Integration Parameters will be set based on values read from fcubs.properties file browsed.

In case of ELCM Embedded, Limit Communication mode will be Asynchronous by default.These parameters will be updated in CSTB_PARAM table.

7. Click on 'Next' button .Screen displays parameters for table SMTB_MODULES_GROUP

   If any change is required in the JNDI name, edit the same and click on Update.

Note: SMTB_MODULES_GROUP for FCELCM (Oracle ELCM) with the JNDI name '<ENTITY_ID JNDI name>_EL'. For example, if the ENTITY_ID JNDI name is 'jdbc/fcjdevDS', then you need to update JNDI name 'jdbc/fcjdevDS_EL'.



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



Screen displays basic setup details for bank and branch

Bank Code

Displays the Bank Code maintained in the Oracle Banking Microservices Architecture Product installation or the Oracle Banking Microservices Architecture Foundation installation.

Bank Name

Displays the Bank Name maintained in the Oracle Banking Microservices Architecture Product installation or the Oracle Banking Microservices Architecture Foundation installation.

Branch Code

Displays the Branch Code maintained in the Oracle Banking Microservices Architecture Product installation or the Oracle Banking Microservices Architecture Foundation installation.

Country Code

Displays the Country Code maintained in the Oracle Banking Microservices Architecture Product installation or the Oracle Banking Microservices Architecture Foundation installation.

Country Description

Displays the Country Description maintained in the Oracle Banking Microservices Architecture Product installation or the Oracle Banking Microservices Architecture Foundation installation.

Cheque Number Mask

Enter the Cheque Number Mask.

Host Code

Displays the Host Code maintained in the Oracle Banking Microservices Architecture Product installation or the Oracle Banking Microservices Architecture Foundation installation.

Process Deployment

Choose the mode of process deployment between BPMN.

TimeZone

Enter the time zone.

The screen also displays basic setup details for dates.

Input Date

Displays the Input Date maintained in the Oracle Banking Microservices Architecture Product installation or the Oracle Banking Microservices Architecture Foundation installation.

Current Business Date

Displays the Current Business Date maintained in the Oracle Banking Microservices Architecture Product installation or the Oracle Banking Microservices Architecture Foundation installation.

Previous Business Date

Displays the Previous Business Date maintained in the Oracle Banking Microservices Architecture Product installation or the Oracle Banking Microservices Architecture Foundation installation.

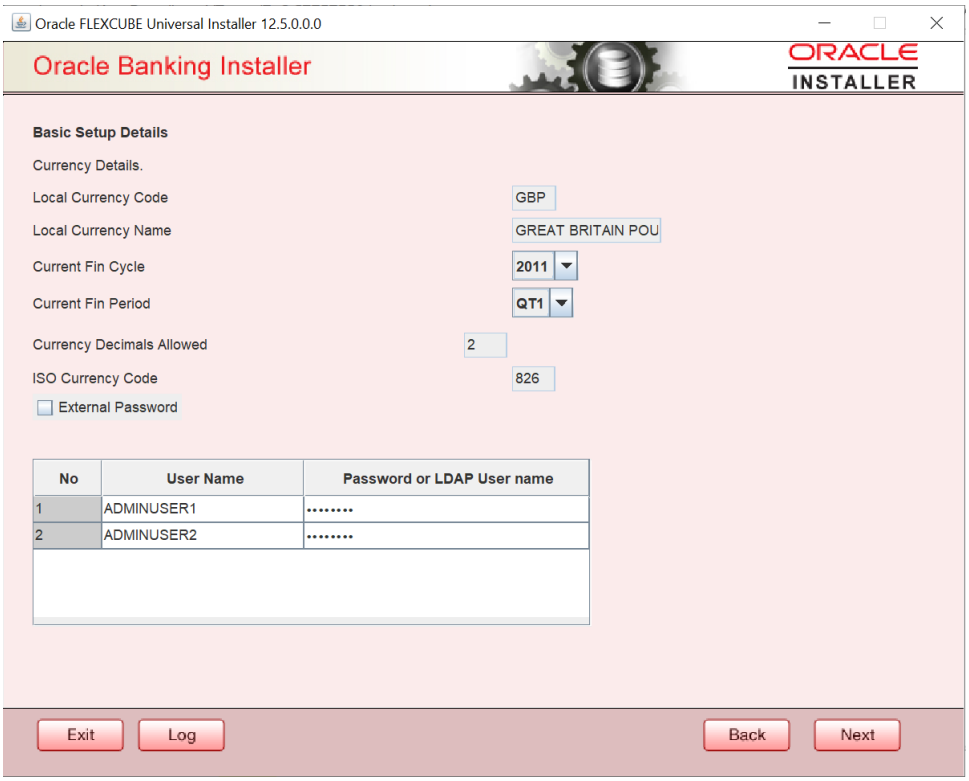
Next Business Date

Next Business Date that is maintained in Oracle Banking Microservices Architecture Product Installation or Oracle Banking Microservices Architecture Foundation Installation will be displayed.

Next to Next Business Date

Enter the next to next business date.

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



The screen displays basic setup details for currency, and the user can change them.

Local Currency Code

Displays the Local Currency Code maintained in the Oracle Banking Microservices Architecture Product installation or the Oracle Banking Microservices Architecture Foundation installation.

Local Currency Name

Displays the Local Currency Name maintained in the Oracle Banking Microservices Architecture Product installation or the Oracle Banking Microservices Architecture Foundation installation.

Current Fin Cycle

Enter Current Financial Cycle (any year from 2011 to 2050)

Current Fin Period

Enter Current Financial Period (QT1 to QT4,M01 to M12)

Currency Decimal Allowed

Displays the Currency Decimal Allowed that is maintained in Oracle Banking Microservices Architecture Product Installation or Oracle Banking Microservices Architecture Foundation Installation

ISO Currency Code

Displays the ISO Currency Code maintained in the Oracle Banking Microservices Architecture Product installation or the Oracle Banking Microservices Architecture Foundation installation.

External Password

Check this box to specify the external password.

User Name

Displays the username. Change the username if required.

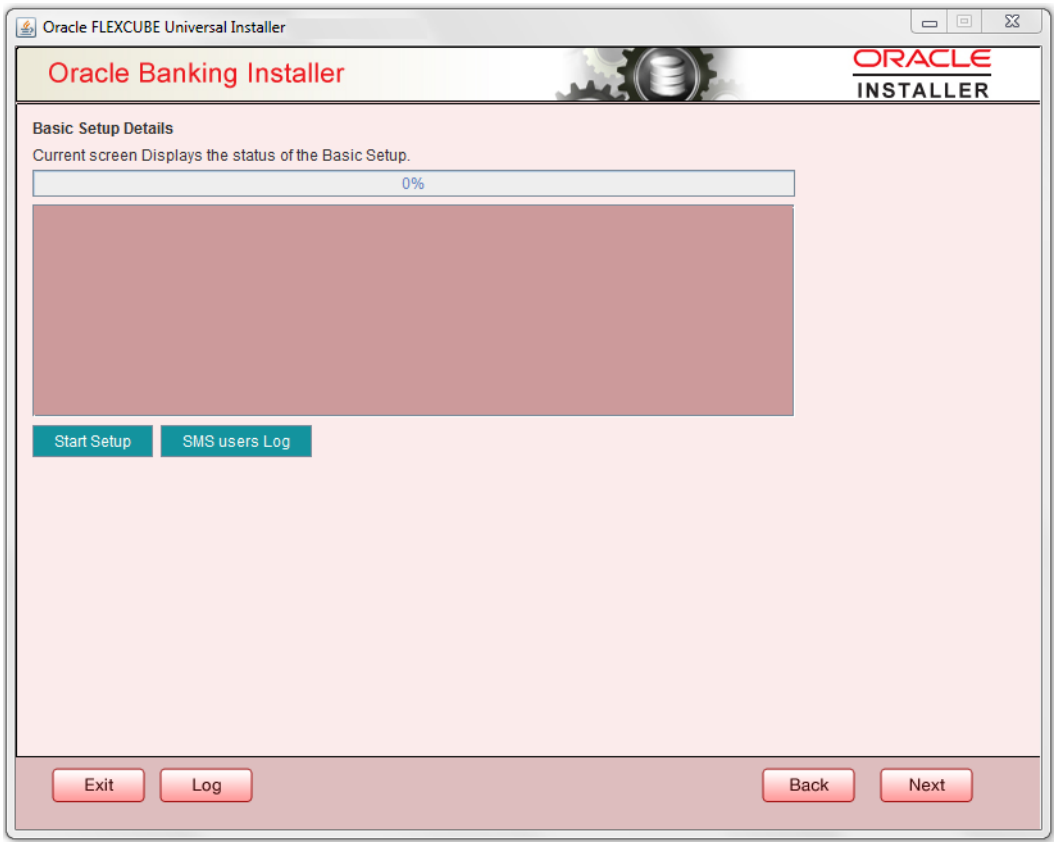
Password or LDAP Username

Specify the password, and it is mandatory. You can use the following characters in the password:

- Alphabets in uppercase
- Alphabets in lowercase
- Numerals

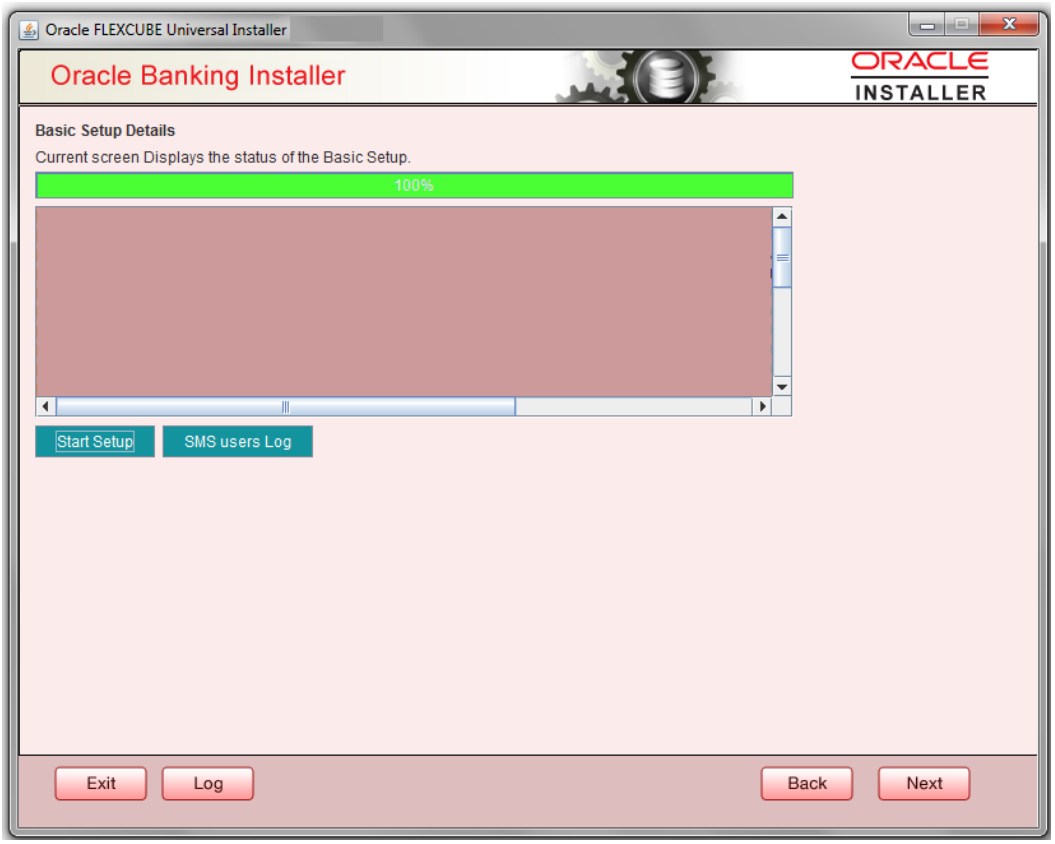
You cannot use '_' (underscore) in the password.

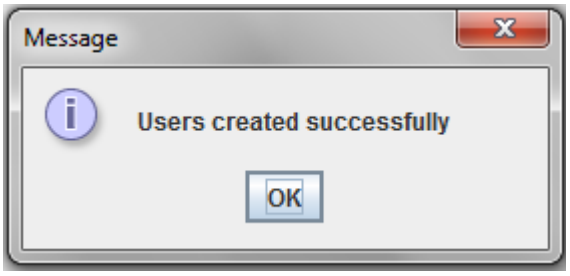
10. Click 'Next,' and the following screen is displayed:



11. Click the 'Start Setup' button to compile the entries. On completion, the screen below will be seen.

    User-created logs can be viewed by clicking the SMS uses Log button.





This completes the basic setup process.

1.5 Compilation of ADF files

In the ADF files, update the branch code where the GI upload is going to happen and compile the ADF file. ADF Files are available in the path - ROFC/MAIN/ADF



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