# Oracle® Banking Payments
## Payments Installer Database Setup

Release 14.8.0.0.0
G32370-01
April 2025

**ORACLE®**

Oracle Banking Payments Payments Installer Database Setup, Release 14.8.0.0.0

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## 1.1 Purpose

This guide is designed to help acquaint you with the Oracle Banking Payments application. This guide provides answers to specific features and procedures that the user need to be aware of the module to function successfully.

## 1.2 Audience

This manual is intended for the following User/User Roles:

**Table 1-1    User Roles**

| Role | Function |
|------|----------|
| Implementation & IT Staff | Implementation & Maintenance of the Software |

## 1.3 Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

**Access to Oracle Support**

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.

## 1.4 Critical Patches

Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at Critical Patches, Security Alerts and Bulletins. All critical patches should be applied in a timely manner to make sure effective security, as strongly recommended by Oracle Software Security Assurance.

## 1.5 Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

## 1.6 Conventions

The following text conventions are used in this document:

| Convention | Meaning |
|---|---|
| **boldface** | Boldface type indicates graphical user interface elements associated with an action, or terms defined in text. |
| *italic* | Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values. |
| `monospace` | Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter. |

# 2

# Installing Oracle Banking Payments Database

Oracle Banking Payments database can be installed in one of the following methods:

- Import full dump – Import the Oracle Banking Payments 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.

- Pre-Requisites

- Creating Schema by Importing Full Dump

- Creating Schema from Shipment Media
  Under this method, you need to create the schema from the shipment media.

## 2.1 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>

## 2.2 Creating Schema by Importing Full Dump

Under this method, you need to manually import the Oracle Banking Payments DMP file into the Oracle Banking Payments 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

## 2.3 Creating Schema from Shipment Media

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

- Backend Setup using Silent Installer

- Co-deployment Set-up – Combining Payments With FCUBS

- Basic Setup using GUI Installer

## 2.3.1 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 Payments_Installer_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. The 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.

- First Run the SMSDBCompileRun.bat in windows (SMSDBCompileRun.sh in linux) for SMS schema (DB) compilation. 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.

- After SMS object loading is completed, Go to \INSTALLER\SOFT path and run the PMDBCompileRun.bat.- DDL Compilation, Object Compilation and Static Data load will be done. For Example: -Run PMDBCompileRun.bat in windows (PMDBCompileRun.sh in Linux) 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.

## 2.3.2 Co-deployment Set-up – Combining Payments With FCUBS

1. Copy below folders from Payments OSDC.zip to the FCUBS OSDC.zip

   INFRA\PM*

   INFRA\PS*

   .

2. Copy the PM folder from Payments OSDC.zip to the FCUBS OSDC.zip.

3. Copy all below files from folder **INSTALLER\SOFT\config\Application** from Payments OSDC.zip to the **INSTALLER\SOFT\config\Application** of FCUBS OSDC.zip.

   - AntLibrary_PM.xml

   - FCJ_applicationPM.xml

   - FCJ_applicationPMFasterPay.xml

   - FCJ_applicationPMGateway.xml

   - FCJ_applicationPMRest.xml

   - MANIFEST_PM.properties

   - PM.properties

4. Please add entry for FCPMTS to the file FCHome.ini located in FCUBS OSDC.zip from FCHome.ini located in Payments OSDC.zip with the value of proper patchset no for eg as below

5. Goto \INSTALLER\SOFT path and execute the ROFCDBCompileRun.bat bat file in windows (ROFCDBCompileRun.sh in linux) for FCUBS + Payments- DDL Compilation and Object Compilation.

6. 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 OFCDBCompileClusterRun.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).

## 2.3.3 Basic Setup using GUI Installer

Oracle FLEXCUBE Universal Installer will list the Utilities based on the Configuration mode selected. **Utilities – Normal Configuration Mode**

When the configuration mode is selected as 'Normal', existing list of utilities will be displayed.

• Day Zero Setup

• User Creation

• Reports DSN Entries

• Entity Details

• SMS DSN Entries

• Switch Monitor Installation

• Env Property file operations

• Block Chain

Day zero setup of normal configuration mode will be explained in detail in this document.
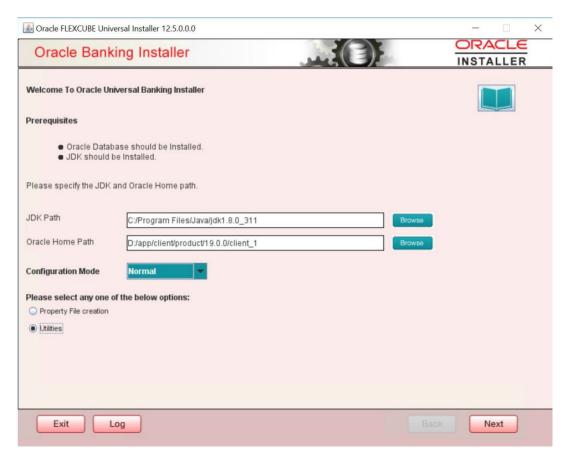
**Day Zero Setup – Normal Configuration Mode**
The steps to load objects from the shipment media are given below:

1. Double-click 'FCUBSInstaller.bat' batch file to launch Oracle Banking Payments Installer. The following screen is displayed. Select Configuration mode as 'Normal' and select Utilities option and click 'Next' button.

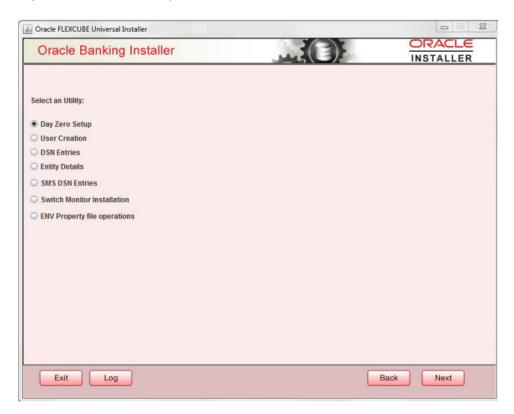**Figure 2-1    Oracle Banking Installer**



2.    Select **Day Zero Setup** in Utility Screen and click **Next** as shown below.

**Figure 2-2    Select Utility**



3. Click **Next** and in the below screen. Payments Schema details to be entered.

**Figure 2-3    Database Integration**
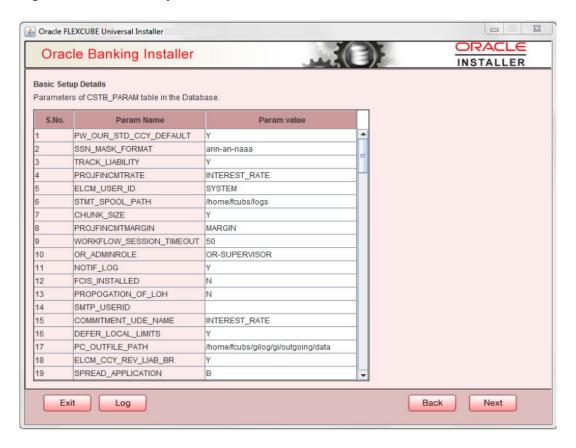


Specify the following schema details:

| 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. 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.<br><br>• Here Entity Schema is mandatory, at least minimum one entry should be provided.<br><br>• Entity Id value is default i.e. 'ENTITY_ID1' for first entry.<br><br>• Provide the JNDI Name for the ENTITY_ID1. By default the jndi name is 'jdbc/fcjdevDS'<br><br>• Give the Schema Details for the Entity1.<br><br>• Here Compile In All Entities Field is 'N'. (As using the Single Entity Concept). |

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

**Figure 2-4    Basic Setup Details**



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';

5. Click on **Next** button to display Limits integration Parameters Screen as shown below:

**Figure 2-5    Limits Integration Parameters**



Limits Integration Parameters will be set based on values read from fcubs.properties file browsed.
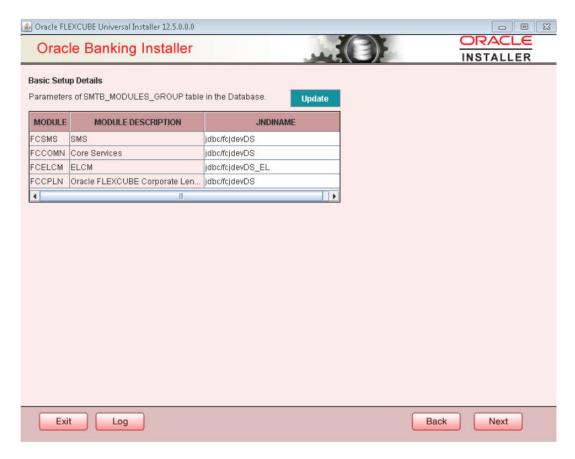
In case of ELCM Embedded, Limit Communication mode will be Asynchronous by default. These parameters will be updated in CSTB_PARAM table.

6. 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'.

**Figure 2-6    Basic Setup Details**



7. Click **Next**. The following screen is displayed.

**Figure 2-7    Oracle Banking Payments Installer**



Screen displays basic setup details for bank and branch

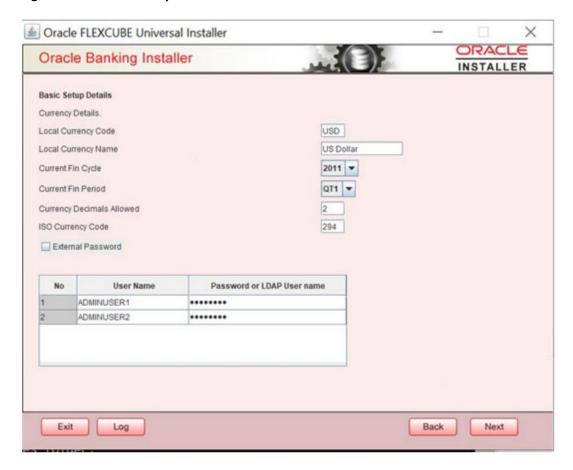| Bank Code | Enter the bank code. |
|---|---|
| Bank Name | Enter the bank name. |
| Branch Code | Enter the branch code. |
| Country Code | Enter the Country code. |
| Country Description | Enter the Country Description. |
| Cheque Number Mask | Enter the Cheque Number Mask |
| Process Deployment | Choose mode of process deployment between BPEL and BPMN |

Screen also displays basic setup details for dates.

| Input Date | Enter the input date. |
|---|---|
| Current Business Date | Enter the current business date. |
| Previous Business Date | Enter the previous business date. |

| | |
|---|---|
| **Next Business Date** | Enter the next business date. |
| **Next to Next Business Date** | Enter the next to next business date. |

8.  Click **Next**. The following screen is displayed.
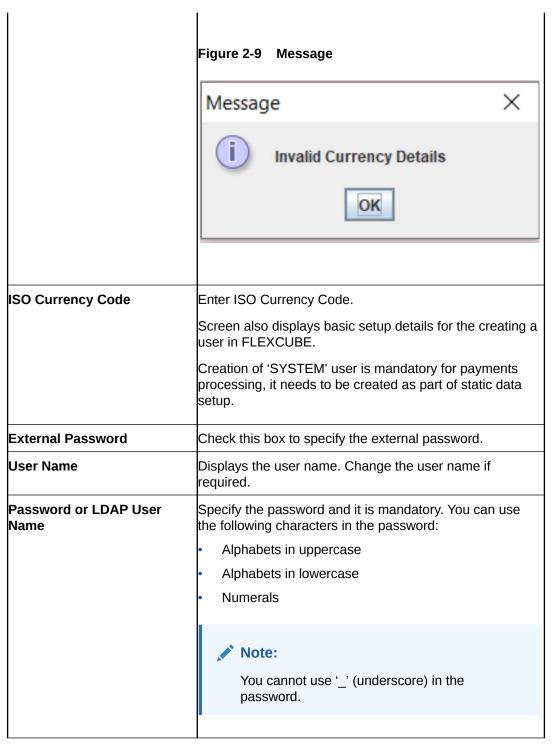
**Figure 2-8    Basic Setup Details**



Screen displays basic setup details for currency, User can change them.
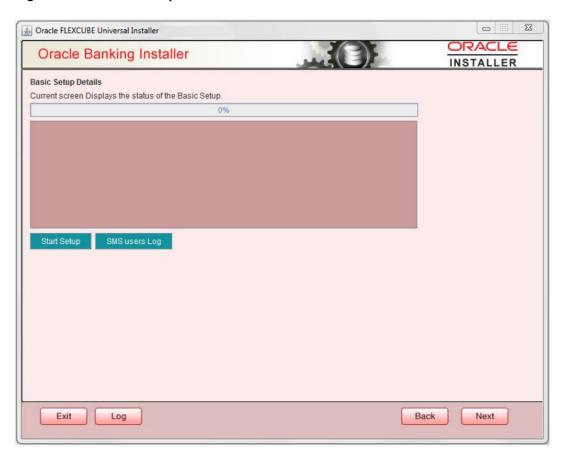
| | |
|---|---|
| **Local Currency Code** | Enter Local Currency Code |
| **Local Currency Name** | Enter Local Currency Name |
| **Current Fin Cycle** | Enter Current Financial Cycle (any year from 2011 to 2050) |
| **Current Fin Period** | Enter Current Financial Period (QT1 to QT4, M01 to M12) |
| **Currency Decimals Allowed** | Enter the number of decimals allowed for the currency. The value should be an input between 0 and 3 (inclusive). Else below error alert is shown |

**Figure 2-9    Message**



| | |
|---|---|
| **ISO Currency Code** | Enter ISO Currency Code.<br><br>Screen also displays basic setup details for the creating a user in FLEXCUBE.<br><br>Creation of 'SYSTEM' user is mandatory for payments processing, it needs to be created as part of static data setup. |
| **External Password** | Check this box to specify the external password. |
| **User Name** | Displays the user name. Change the user name if required. |
| **Password or LDAP User Name** | Specify the password and it is mandatory. You can use the following characters in the password:<br><br>• Alphabets in uppercase<br>• Alphabets in lowercase<br>• Numerals<br><br>**✎ Note:**<br>You cannot use '_' (underscore) in the password. |

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

**Figure 2-10    Basic Setup Details**



10. Click **Start Setup** button to compile the entries. On completion the below Screen will be seen. User created logs can be viewed by clicking **SMS users Log** button.
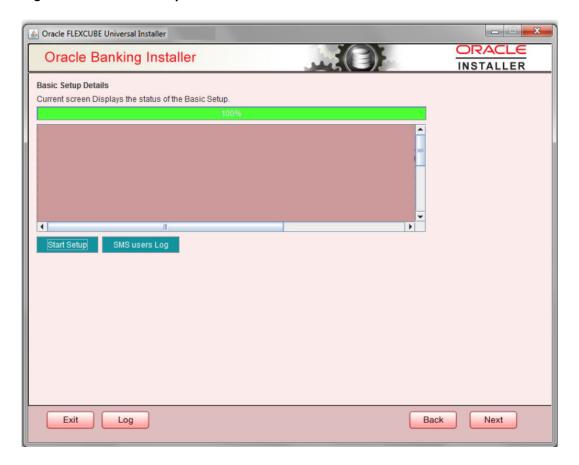
**Figure 2-11    Basic Setup Details**



**Figure 2-12    Message**



JNDI name in Smtb_Modules_group table need to be updated manually.

This completes the basic setup process.