Oracle® Banking Payments Payments Installer Database Setup





Oracle Banking Payments Payments Installer Database Setup, Release 14.8.0.0.0

G32370-01

Copyright © 2007, 2025, Oracle and/or its affiliates.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software, software documentation, data (as defined in the Federal Acquisition Regulation), or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software," "commercial computer software documentation," or "limited rights data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle®, Java, MySQL, and NetSuite are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

Contents

Pref	face	
1.1	Purpose	1-1
1.2	Audience	1-1
1.3	Documentation Accessibility	1-1
1.4	Critical Patches	
1.5	Diversity and Inclusion	1-2
1.6	Conventions	1-2
2.1	alling Oracle Banking Payments Database Pre-Requisites	2-1
2.2	Creating Schema by Importing Full Dump	2-1
2.3	Creating Schema from Shipment Media	2-1
2.	.3.1 Backend Setup using Silent Installer	2-2
2.	.3.2 Co-deployment Set-up – Combining Payments With FCUBS	2-2
	.o.z co deployment oct up combining r dyments with r cobo	2-2



1

Preface

- Purpose
- Audience

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

- Documentation Accessibility
- Critical Patches
- · Diversity and Inclusion
- Conventions

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 <u>Documentation Accessibility</u>

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.



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



- 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.

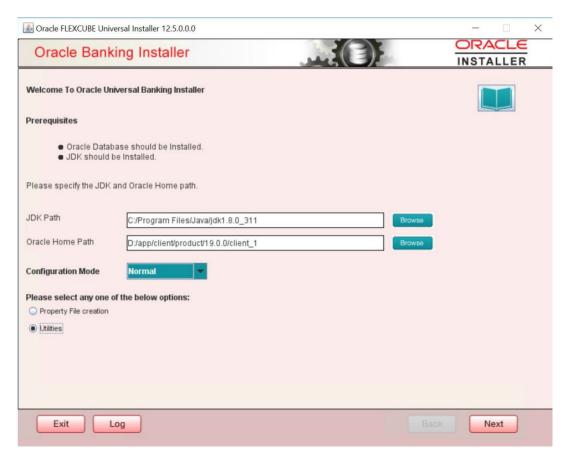
Day Zero Setup - Normal Configuration Mode

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

 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.

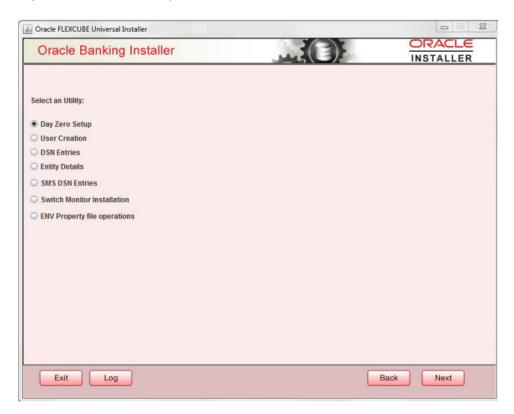


Figure 2-1 Oracle Banking Installer



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.



_ B X Oracle FLEXCUBE Universal Installer ORACLE Oracle Banking Installer INSTALLER Database Installation Provide SMS schema details. Name Value Username installer Password ******* Service Name testdb IP Address 10.10.10.10 Port 1521 TNS Connect Descriptor testdb Test Connection

ENTITY_ID1

installer

testdb

testdb

10.10.10.10 1521 Value

Same as SMS Schema

Back

Figure 2-3 Database Integration

Provide Entity schema details Entity Id

Name

Usemame

Password

IP Address

Service Name

TNS Connect Descriptor

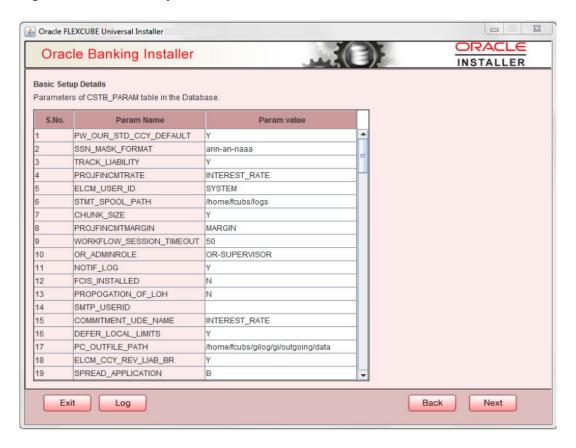
Specify the following schema details:

Log

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.	
	 Here Entity Schema is mandatory, at least 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). 	
i		

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:

_ B X Oracle FLEXCUBE Universal Installer ORACLE Oracle Banking Installer INSTALLER LIMITS INTEGRATION PARAMETERS Parameters of CSTB_PARAM table in the Database. FCUBS PROPERTY FILE LIMITS SETUP MODE ASYNCHRONOUS LIMITS COMMUNICATION MODE ASYNCHRONOUS -**OBCL LIMITS COMMUNICATION MODE** Exit Log Back Next

Figure 2-5 Limits Integration Parameters

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

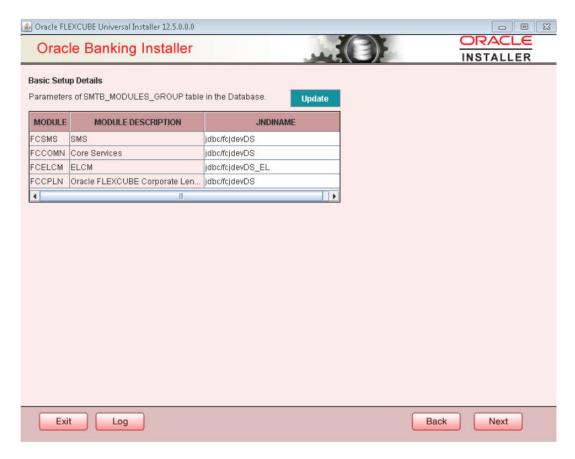
In case of ELCM Embedded, Limit Communication mode will be Asynchronous by default. These parameters will be updated in CSTB_PARAM table.

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.



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.

← Oracle FLEXCUBE Universal Installer 12.5.0.0.0 ORACLE Oracle Banking Installer INSTALLER **Basic Setup Details** Basic Details for bank and branch Cheque Number Mask NNNN Bank Code CH0 HOST1 Host Code Bank Name City Head Office BPEL -Process Deployment Branch Code 000 Country Code TimeZone Asia/Calcutta Country Description Basic details about dates. The Date Format must be yyyy/mm/dd. Input Date 2018/04/20 Current Business Date 2018/04/20 Previous Business Date 2018/04/19 Next Business Date 2018/04/21 Next To Next Business Date 2018/04/22 Exit Log Back Next

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
	Choose mode of process deployment between BPEL and BPMN

Screen also displays basic setup details for dates.

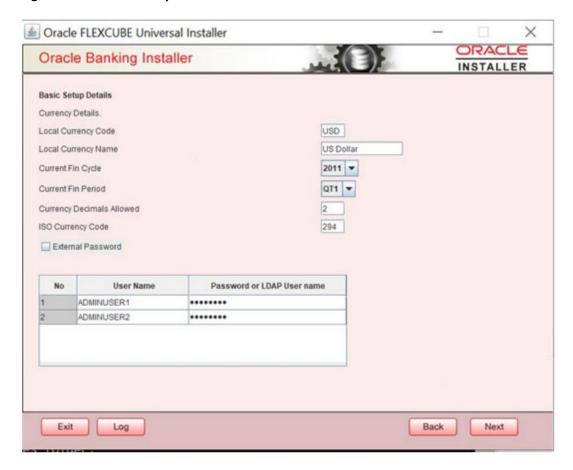
Input Date	Enter the input date.
Current Business Date	Enter the current business date.
Previous Business Date	Enter the previous business date.



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.

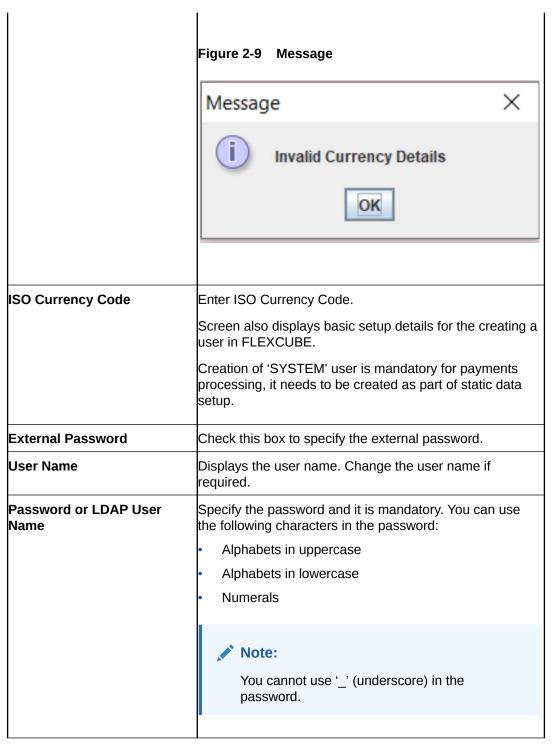
Figure 2-8 Basic Setup Details



Screen displays basic setup details for currency, User can change them.

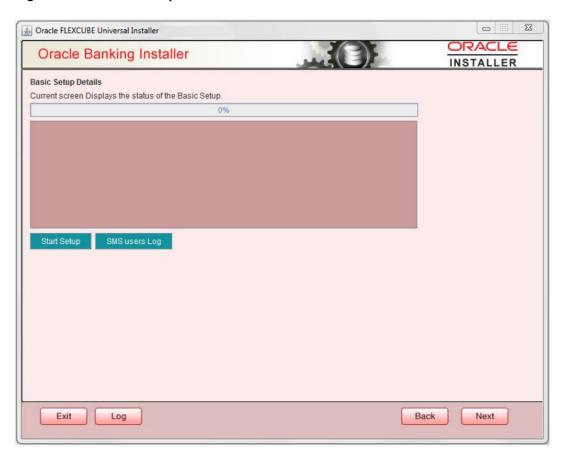
Local Currency Code	Enter Local Currency Code
Local Currency Name	Enter Local Currency Name
Current Fin Cycle	Enter Current Financial Cycle (any year from 2011 to 2050)
Current Fin Period	Enter Current Financial Period (QT1 to QT4, M01 to M12)
Currency Decimals Allowed	Enter the number of decimals allowed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





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

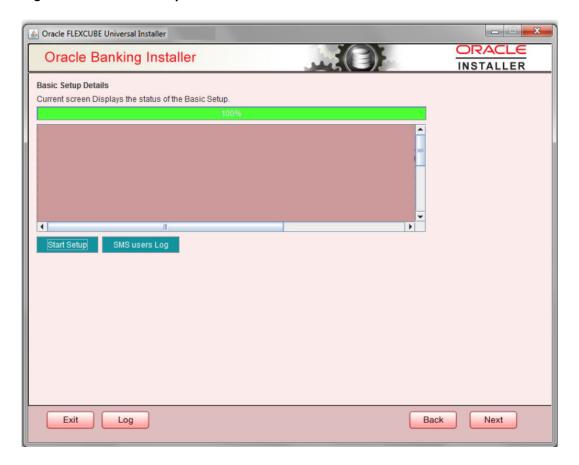


Figure 2-12 Message



JNDI name in Smtb_Modules_group table need to be updated manually.

This completes the basic setup process.