

Approot Object Conversion Utility  
Oracle FLEXCUBE Universal Banking

Release 14.7.6.0.0

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[April] [2025]



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# 1. Application Root Object Conversion

## 1.1 Introduction

This document explains the process involved in object conversion in Approot.

## 1.2 Pre-requisites

The below steps has to be completed in a sequential order before using this utility.

1. CDB is created with 18c database and 'Application Template PDB' is created under this CDB and the FCUBS objects are loaded.
2. Application root creation followed by application seed creation.
3. Application installation version 1.0 has to be done in approot with user being made explicit.

Note:

- Application Root Configuration/Multi-Tenant Deployment is not supported with Autonomous Database.
- Installer validates during the Application Root Configuration - Property file generation/Approot Object Conversion activities.

## 1.3 Application root - PDB model configuration

To build the application for setup using the installer, follow the steps given below.

1. Double-click 'FCUBSInstaller.bat' batch file to launch Oracle FLEXCUBE Universal Installer. The following screen is displayed. Select Utilities option, configuration mode as "Application Root" and click 'Next' button.

Oracle FLEXCUBE Universal Installer

Oracle Banking Installer

ORACLE  
INSTALLER

Welcome To Oracle Universal Banking Installer

Prerequisites

- Oracle Database should be Installed.
- JDK should be Installed.

Please specify the JDK and Oracle Home path.

JDK Path: C:/Program Files/Java/jdk1.8.0\_181 [Browse]

Oracle Home Path: C:/app/client/pribalac/product/18.0.0/client\_1 [Browse]

Configuration Mode: Application Root

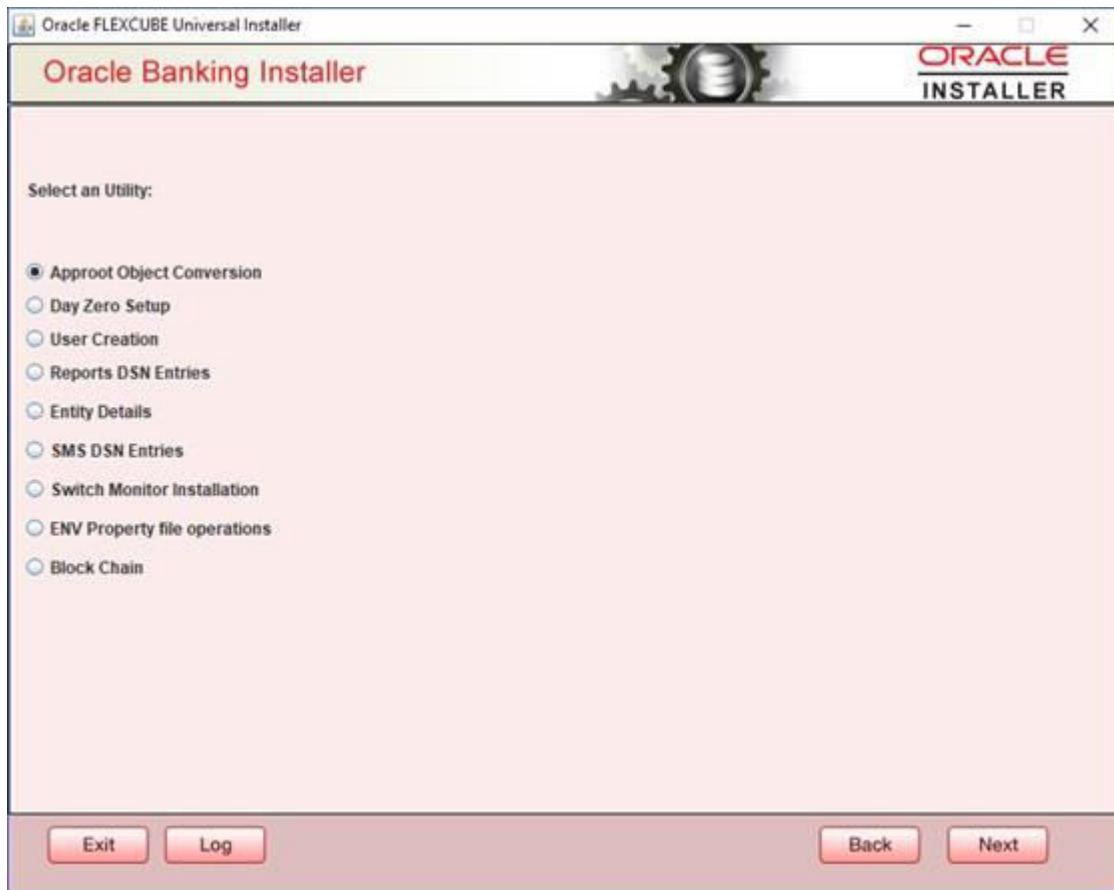
Please select any one of the below options:

☐ Property File creation

☒ Utilities

Exit Log Back Next

2. Select 'Approot object Conversion" in Utility Screen and click Next as shown below



3. In the Approot object conversion screen, enter application name and Approot Schema details.

Options of conversion include:

- **Shared Application**
- **Shared Application and User Authentication**
- **Shared Application and Shared Data – Default**
- **Shared Application and Shared Data – Custom**

## Shared Application

1. When 'Shared Application' is selected, there will not be any common data and only application is shared.
2. After selecting the radio button, user will have to input the Application name and the Application root schema details where the conversion has to be applied and click on 'Test Connection'.
3. When Application name is not inputted, error will be displayed to input the same. User has to make sure that application name is the one mentioned in pre-requisites with installation done for version 1.0.
4. Once the Connection is successful, 'Finish' button will be enabled and the object conversion will be completed at this step.
5. Execution will take few minutes and post completion, a dialog box displays 'Compilation Success' message in the front end.

Oracle FLEXCUBE Universal Installer

**Oracle Banking Installer**

Object conversion for Application root

Enter Application Name

Provide Application root Schema details

Name	Value
Username	installer
Password	*****
Service Name	testdb
IP Address	10.10.10.10
Port	1521
TNS Connect Descriptor	testdb

Select Option for conversion

☒ Shared Application

☐ Shared Application and User Authentication

☐ Shared Application and Shared Data - Default

☐ Shared Application and Shared Data - Custom

## Shared Application and User Authentication

1. When 'Shared Application and User authentication' is selected, only user authentication related data will be shared along with a shared application,
2. After selecting the radio button, user will have to input the Application name and Application root schema details where the conversion has to be applied and click on 'Test Connection'.
3. When Application name is not inputted, error will be displayed to input the same. User has to make sure that application name is the one mentioned in pre-requisites with installation done for version 1.0.
4. Once the Connection is successful, 'Finish' button will be enabled and the object conversion will be completed at this step.
5. Execution will take few minutes and post completion, a dialog box displays 'Compilation Success' message in the front end.

Oracle FLEXCUBE Universal Installer

### Oracle Banking Installer

Object conversion for Application root

Enter Application Name

Provide Application root Schema details

Name	Value
Username	installer
Password	*****
Service Name	testdb
IP Address	10.10.10.10
Port	1521
TNS Connect Descriptor	testdb

Select Option for conversion

☐ Shared Application

☒ Shared Application and User Authentication

☐ Shared Application and Shared Data - Default

☐ Shared Application and Shared Data - Custom

## Shared Application & Shared Data - Default

1. When Shared Application & Shared Data - Default is selected, all the function groups listed will be installed in the application root.
2. After selecting the Radio button, user will have to input the Application name and Application root schema details where the conversion has to be applied and click on 'Test Connection'.
3. When Application name is not inputted, error will be displayed to input the same. User has to make sure that application name is the one mentioned in pre-requisites with installation done for version 1.0.
4. Once the Connection is successful, 'Finish' button will be enabled and the object conversion will be completed at this step.
5. Execution will take few minutes and post completion, a dialog box displays 'Compilation Success' message in the front end.

Oracle FLEXCUBE Universal Installer

### Oracle Banking Installer

Object conversion for Application root

Enter Application Name

Provide Application root Schema details

Name	Value
Username	installer
Password	*****
Service Name	testdb
IP Address	10.10.10.10
Port	1521
TNS Connect Descriptor	testdb

Select Option for conversion

☐ Shared Application

☐ Shared Application and User Authentication

☒ Shared Application and Shared Data - Default

☐ Shared Application and Shared Data - Custom

## Shared Application & Shared Data - Custom

1. When Shared Application & Shared Data – Custom is selected, all the function groups listed will be installed in the application root.
2. After selecting the Radio button, user will have to input the Application name and Application root schema details where the conversion has to be applied and click on 'Test Connection'.
3. When Application name is not inputted, error will be displayed to input the same. User has to make sure that application name is the one mentioned in pre-requisites with installation done for version 1.0.
4. Once the Connection is successful, 'Next' button will be enabled to take through the steps of movement of function ids to pdbs.
5. After selecting the Radio button, user will have to input the Application name and Application root schema details where the conversion has to be applied and click on 'Test Connection'.
6. Once the Connection is successful, 'Finish' button will be enabled to continue with the next steps of object conversion.

Oracle FLEXCUBE Universal Installer

### Oracle Banking Installer

Object conversion for Application root

Enter Application Name

Provide Application root Schema details

Name	Value
Username	installer
Password	*****
Service Name	testdb
IP Address	10.10.10.10
Port	1521
TNS Connect Descriptor	testdb

Select Option for conversion

☐ Shared Application

☐ Shared Application and User Authentication

☐ Shared Application and Shared Data - Default

☒ Shared Application and Shared Data - Custom



7. In the Next Screen, user can opt-out the entities which are not required to be the candidates of approval and those function ids will be moved to PDB.
8. There will be two multiblocks available.
  - a. First multiblock will list the details of function groups which are the Approval candidates.
  - b. Second multiblock will list the function ids corresponding to each of the function group in the first block.
9. Second multiblock will have the check box 'Move to PDB' against each function ID.

**Oracle Banking Installer**

**Movement of Application root function ids to PDB**

	Function Group Description
<input type="checkbox"/>	Accounting and MIS
<input checked="" type="checkbox"/>	Bank Parameters
<input type="checkbox"/>	Customers
<input type="checkbox"/>	EMS
<input type="checkbox"/>	Common Entity

[View Details](#)

Function Group	Function Id	Function Description	Move to PDB
Bank Parameters	SMDBANKP	Security Management	<input type="checkbox"/>
Bank Parameters	SMDPIFRT	Forget Customer PII Maintenance	<input type="checkbox"/>
Bank Parameters	STDCNMNT	Country Codes	<input checked="" type="checkbox"/>
Bank Parameters	STDCRTRN	External Transaction Code	<input type="checkbox"/>
Bank Parameters	STDECAMT	External Credit Approval System	<input type="checkbox"/>
Bank Parameters	STDHSTCD	Host Code	<input type="checkbox"/>

Exit Log Back Next

10. User can select more than one function group and the respective function ids will also be appended to the second multiblock against the function group on click of 'View Details' button.
11. Once the selection is completed, 'Next button' has to be clicked to move to the next screen where the complete list of function ids is.

12. The dependent function ids of the selected functions opted to move to PDB will be listed in the below section.

The screenshot shows the 'Oracle Banking Installer' window. The title bar reads 'Oracle FLEXCUBE Universal Installer'. The main header area contains the 'Oracle Banking Installer' text on the left and the 'ORACLE INSTALLER' logo on the right. Below the header, there are two sections:

**Function Ids applicable for movement to PDB**

Function Id	Function Description
STDCNMNT	Country Codes

**Dependent Function Ids**

Function Id	Function Description
ISDNTMEX	Clearing Networks
MIDGRPMT	MIS Groups
ISDEBANP	BICPlusIBAN
ISDBICPU	Bank Identifier Code Upload
MIDXCODE	Cost Codes
CYDCDEFE	Currencies
STDCNMNT	Country Codes
STDHSTCD	Host Code

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

13. Object conversion can be completed by clicking on the Finish button.
14. Execution will take few minutes and post completion, a dialog box displays 'Compilation Success' message in the front end.



Approot Object Conversion Utility

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