

Approot Object Conversion Utility
Oracle FLEXCUBE Universal Banking
Release 14.8.1.0.0
Part No. G41973-01
[October] [2025]



Table of Contents

- 1. APPLICATION ROOT OBJECT CONVERSION1-1
 - 1.1 INTRODUCTION..... 1-1
 - 1.2 PRE-REQUISITES..... 1-1
 - 1.3 APPLICATION ROOT - PDB MODEL CONFIGURATION 1-1

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.

The screenshot shows the 'Oracle FLEXCUBE Universal Installer' window. The title bar reads 'Oracle FLEXCUBE Universal Installer'. The main window has a header with 'Oracle Banking Installer' on the left and the 'ORACLE INSTALLER' logo on the right. Below the header, the text 'Object conversion for Application root' is displayed. There is a text input field labeled 'Enter Application Name'. Below this, the text 'Provide Application root Schema details' is shown. A table with two columns, 'Name' and 'Value', contains the following information:

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

To the right of the table is a blue button labeled 'Test Connection'. Below the table, the text 'Select Option for conversion' is followed by four radio button options:

- ☐ Shared Application
- ☐ Shared Application and User Authentication
- ☐ Shared Application and Shared Data - Default
- ☒ Shared Application and Shared Data - Custom

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

7. In the Next Screen, user can opt-out the entities which are not required to be the candidates of approot 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 Approot 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
☐	Accounting and MIS
☒	Bank Parameters
☐	Customers
☐	EMS
☐	Common Entity

[View Details](#)

Function Group	Function Id	Function Description	Move to PDB
Bank Parameters	SMDBANKP	Security Management	☐
Bank Parameters	SMDPIFRT	Forget Customer PII Maintenance	☐
Bank Parameters	STDCNMNT	Country Codes	☒
Bank Parameters	STDCRTRN	External Transaction Code	☐
Bank Parameters	STDECAMT	External Credit Approval System	☐
Bank Parameters	STDHSTCD	Host Code	☐

Exit Log Back Next

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

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
[October] [2025]
Version 14.8.1.0.0

Oracle Financial Services Software Limited
Oracle Park
Off Western Express Highway
Goregaon (East)
Mumbai, Maharashtra 400 063
India

Worldwide Inquiries:
Phone: +91 22 6718 3000
Fax: +91 22 6718 3001
<https://www.oracle.com/industries/financial-services/index.html>

Copyright © [2007], [2025], Oracle and/or its affiliates. All rights reserved.

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

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. 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 failsafe, 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.

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.

This software or hardware and documentation may provide access to or information on 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. 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.