

Approot Object Conversion Utility
Oracle FLEXCUBE Universal Banking
Release 14.4.0.4.0
[May] [2021]



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1. Application Root Object Conversion

1.1 Introduction

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

1.2 Pre-requisites

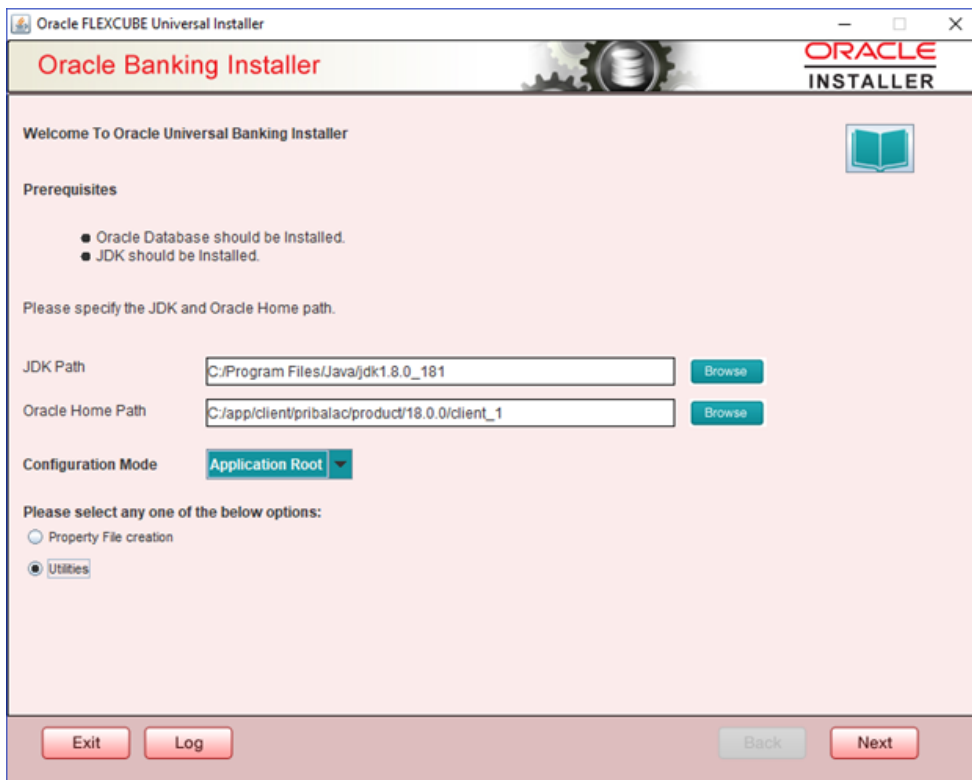
The below steps has to be completed in a sequential order before using this utility.

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 apropoot with user being made explicit.

1.3 Application root - PDB model configuration

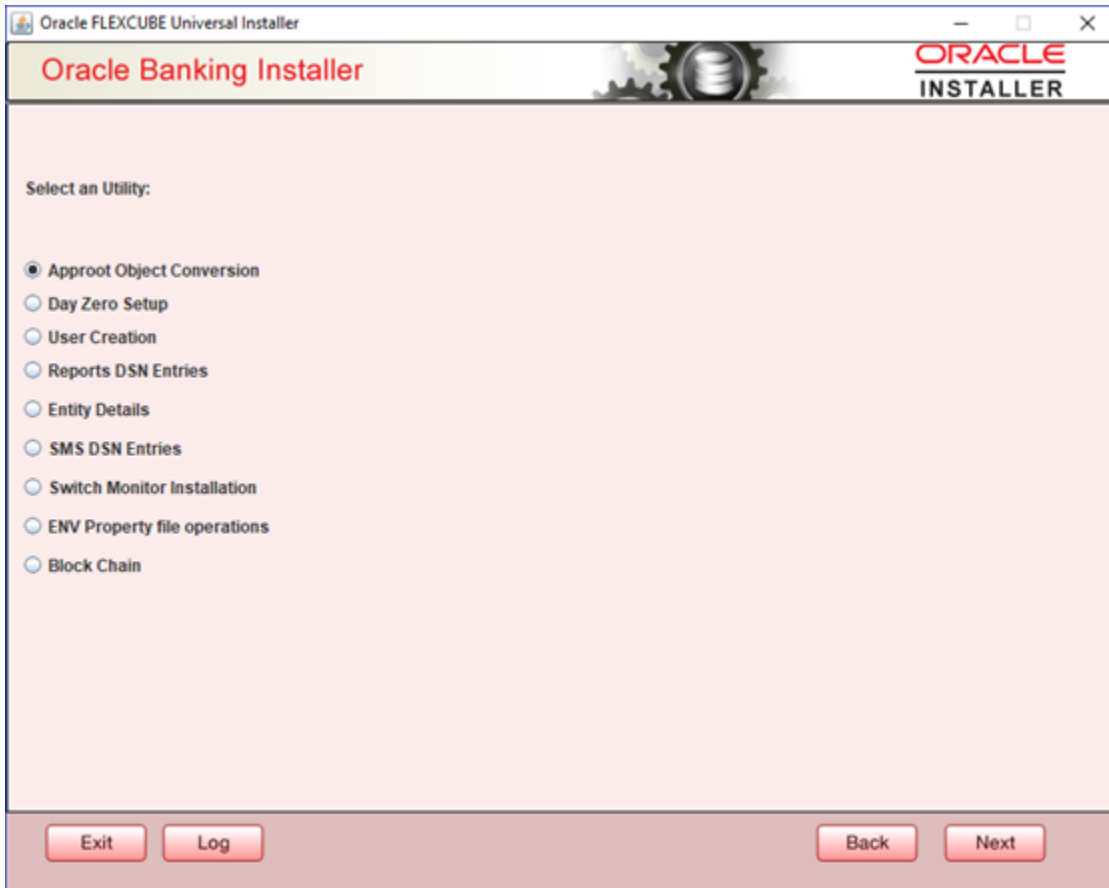
To build the application for setup using the installer, follow the steps given below.

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.



The screenshot shows the Oracle FLEXCUBE Universal Installer configuration window. The window title is "Oracle FLEXCUBE Universal Installer". The main header is "Oracle Banking Installer" with the Oracle logo and "ORACLE INSTALLER" on the right. The content area is titled "Welcome To Oracle Universal Banking Installer" and includes a "Prerequisites" section with two bullet points: "Oracle Database should be installed." and "JDK should be installed." Below this, it says "Please specify the JDK and Oracle Home path." There are two text input fields: "JDK Path" with the value "C:/Program Files/Java/jdk1.8.0_181" and "Oracle Home Path" with the value "C:/app/client/pribalac/product/18.0.0/client_1", each with a "Browse" button. The "Configuration Mode" is set to "Application Root" in a dropdown menu. At the bottom, it says "Please select any one of the below options:" with two radio buttons: "Property File creation" (unselected) and "Utilities" (selected). At the very bottom, there are four buttons: "Exit", "Log", "Back", and "Next".

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



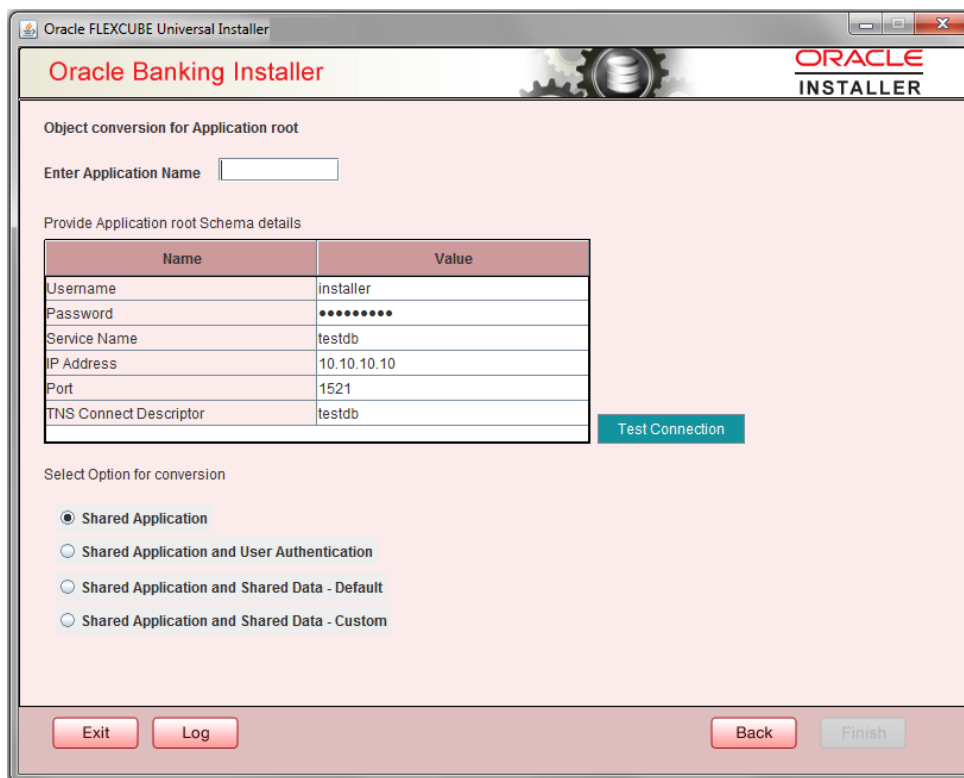
3. In the Approot object conversion screen, enter application name and Approot Schema details.

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.

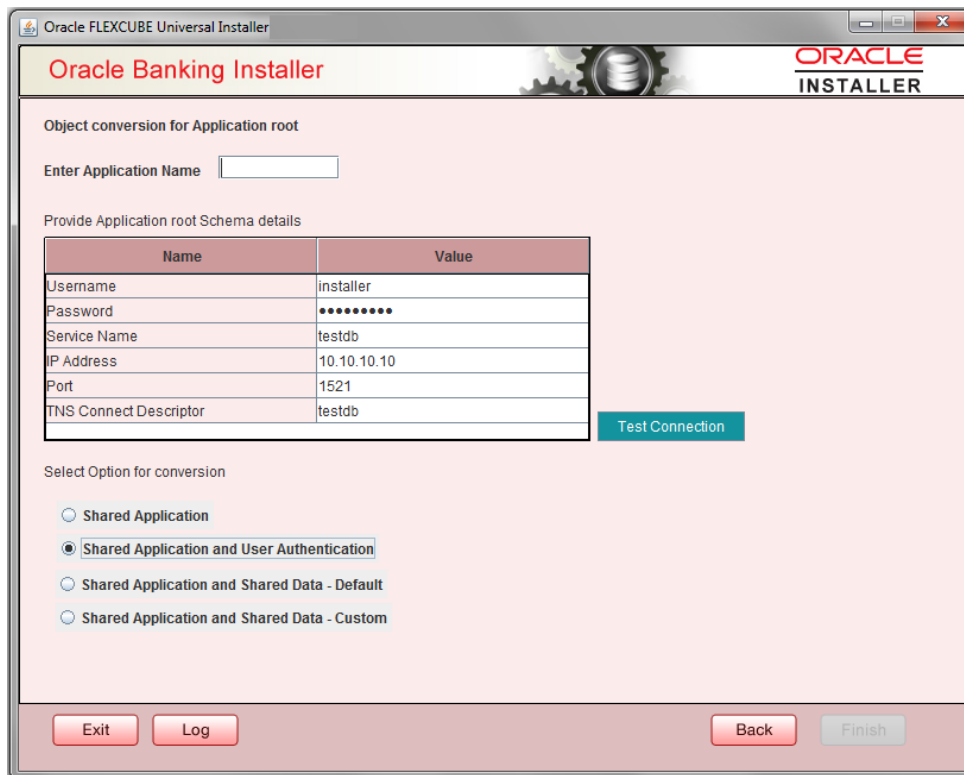


The screenshot shows the 'Oracle Banking Installer' window. The title bar reads 'Oracle FLEXCUBE Universal Installer'. The main window has a header with 'Oracle Banking Installer' on the left and the 'ORACLE INSTALLER' logo on the right. Below the header, the text 'Object conversion for Application root' is displayed. There is a text input field labeled 'Enter Application Name'. Below this, the text 'Provide Application root Schema details' is shown above a table. The table has two columns: 'Name' and 'Value'. The rows are: Username (installer), Password (masked with dots), Service Name (testdb), IP Address (10.10.10.10), Port (1521), and TNS Connect Descriptor (testdb). To the right of the table is a 'Test Connection' button. Below the table, the text 'Select Option for conversion' is followed by four radio button options: 'Shared Application' (selected), 'Shared Application and User Authentication', 'Shared Application and Shared Data - Default', and 'Shared Application and Shared Data - Custom'. At the bottom of the window, there are four buttons: 'Exit', 'Log', 'Back', and 'Finish'.

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

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.



The screenshot shows the Oracle Banking 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 above a table. The table has two columns: "Name" and "Value". The rows are: Username (installer), Password (masked with dots), Service Name (testdb), IP Address (10.10.10.10), Port (1521), and TNS Connect Descriptor (testdb). To the right of the table is a "Test Connection" button. Below the table, the text "Select Option for conversion" is followed by four radio button options: "Shared Application", "Shared Application and User Authentication" (which is selected), "Shared Application and Shared Data - Default", and "Shared Application and Shared Data - Custom". At the bottom of the window, there are four buttons: "Exit", "Log", "Back", and "Finish".

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

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.

The screenshot shows the Oracle Banking 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 above a table. The table has two columns: "Name" and "Value". The rows are: Username (installer), Password (masked with dots), Service Name (testdb), IP Address (10.10.10.10), Port (1521), and TNS Connect Descriptor (testdb). To the right of the table is a "Test Connection" button. 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" (which is selected), and "Shared Application and Shared Data - Custom". At the bottom of the window, there are four buttons: "Exit", "Log", "Back", and "Finish".

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

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 Banking Installer window. The title bar reads "Oracle FLEXCUBE Universal Installer". The window title is "Oracle Banking Installer". The Oracle logo and "INSTALLER" text are in the top right corner. The main content area is titled "Object conversion for Application root". It includes a text input field for "Enter Application Name". Below this is a section titled "Provide Application root Schema details" containing a table with the following data:

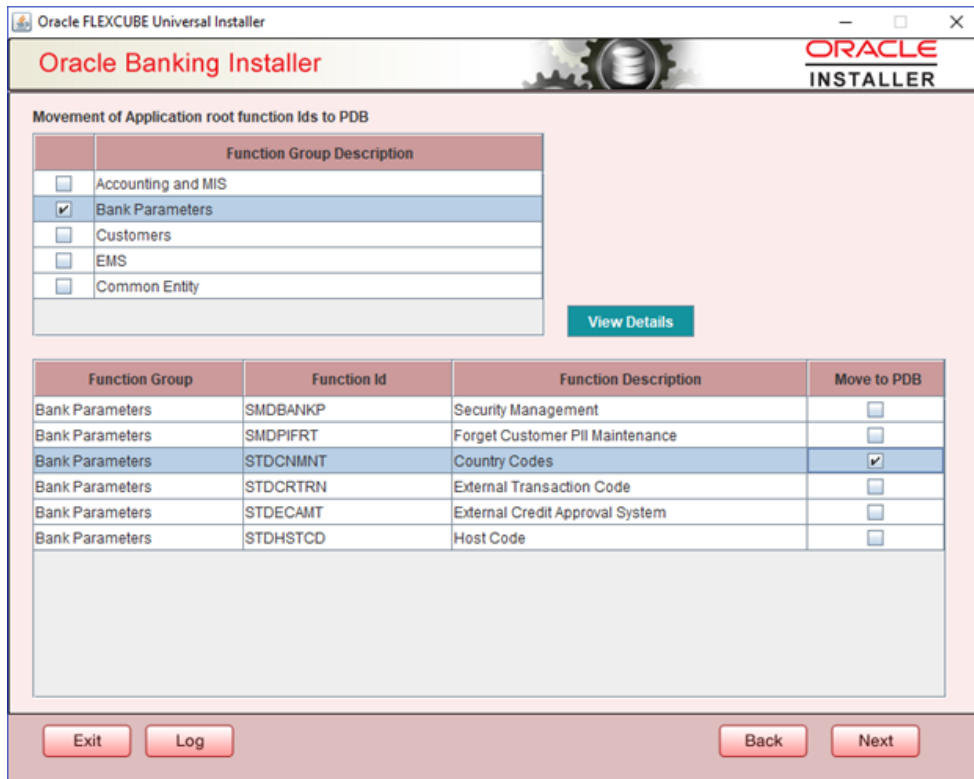
Name	Value
Username	installer
Password	*****
Service Name	testdb
IP Address	10.10.10.10
Port	1521
TNS Connect Descriptor	testdb

To the right of the table is a "Test Connection" button. Below the table is a section titled "Select Option for conversion" with four radio button options:

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

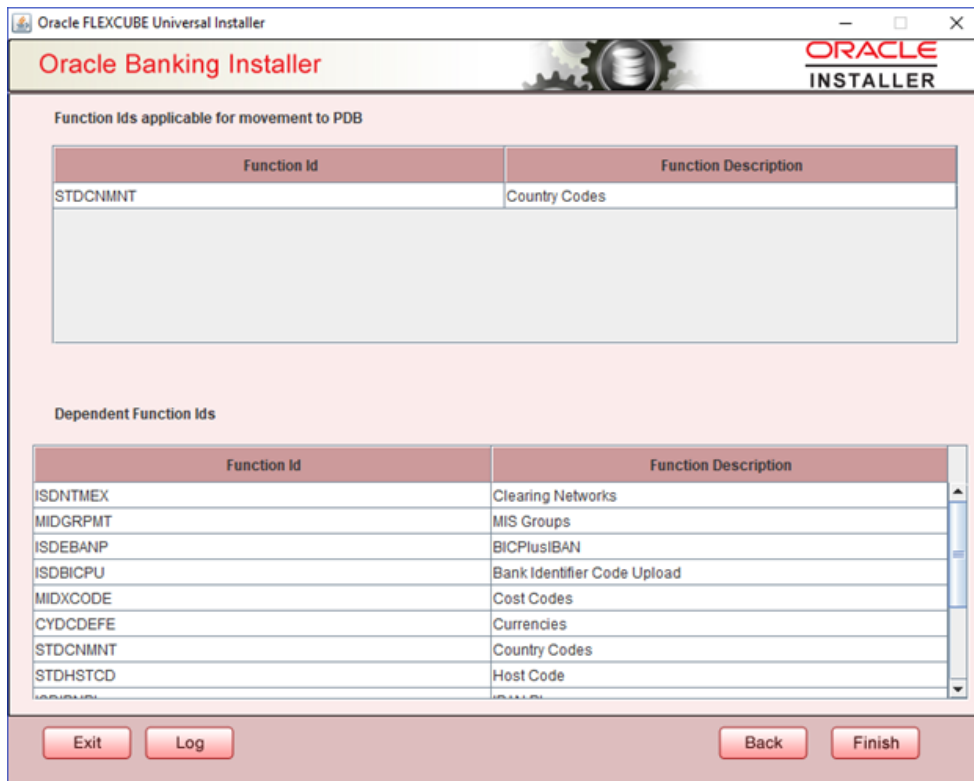
At the bottom of the window are four buttons: "Exit", "Log", "Back", and "Finish".

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.



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.



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.



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[May] [2021]
Version 14.4.0.4.0

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