Oracle® Banking Treasury Management

Administration

Release 14.8.1.0.0
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Oracle Banking Treasury Management Administration, Release 14.8.1.0.0

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Contents

Preface

This topic contains the following sub-topics:

Purpose

This document describes helps developer to familiarize with ORACLE FLEXCUBE Development Workbench for Universal Banking.

Audience

This guide is intended for the central administrator of the Bank who controls the system and application parameters and ensures smooth functionality and flexibility of the banking application.

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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.

Related Resources

For more information on any related features, refer to the following documents

- Open Development Tool Installation
- Development Workbench - Administration

Conventions

The following text conventions are used in this document:

Table 1 Conventions

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
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.

Screenshot Disclaimer

Personal information used in the interface or documents is dummy and does not exist in the real world. It is only for reference purposes.

Basic Actions

Table 2 Basic Actions

Action	Description
Approve	Used to approve the initiated report. This button is displayed, once the user click **Authorize**.
Audit	Used to view the maker details, checker details, and report status.
Authorize	Used to authorize the report created. A maker of the screen is not allowed to authorize the report. Only a checker can authorize a report, created by a maker.

Table 2 (Cont.) Basic Actions

Action	Description
Close	Used to close a record. This action is available only when a record is created.
Confirm	Used to confirm the performed action.
Cancel	Used to cancel the performed action.
Compare	Used to view the comparison through the field values of old record and the current record. This button is displayed in the widget, once the user click **Authorize**.
Collapse All	Used to hide the details in the sections. This button is displayed, once the user click **Compare**.
Expand All	Used to expand and view all the details in the sections. This button is displayed, once the user click **Compare**.
New	Used to add a new record. When the user click **New**, the system displays a new record enabling to specify the required data.
OK	Used to confirm the details in the screen.
Save	Used to save the details entered or selected in the screen.
View	Used to view the report details in a particular modification stage. This button is displayed in the widget, once the user click **Authorize**.
View Difference only	Used to view a comparison through the field element values of old record and the current record, which has undergone changes. This button is displayed, once the user click **Compare**.
Unlock	Used to update the details of an existing record. System displays an existing record in editable mode.

Symbols and Icons

The following symbols and icons are used in the screens.

Table 3 Symbols and Icons - Common

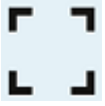
Symbol/Icon	Function
	Minimize
	Maximize

Table 3 (Cont.) Symbols and Icons - Common

Symbol/Icon	Function
	Close
	Perform Search
	Open a list
	Add a new record
	Navigate to the first record
	Navigate to the last record
	Navigate to the previous record
	Navigate to the next record
	Grid view

Table 3 (Cont.) Symbols and Icons - Common

Symbol/Icon	Function
	List view
	Refresh
	Click this icon to add a new row.
	Click this icon to delete an existing row.
	Click to view the created record.
	Click to modify the fields.
	Click to unlock, delete, authorize or view the created record.

Table 4 Symbols and Icons - Audit Details

Symbol/Icon	Function
	A user

Table 4 (Cont.) Symbols and Icons - Audit Details

Symbol/Icon	Function
	Date and time
	Unauthorized or Closed status
	Authorized or Open status

Table 5 Symbols and Icons - Widget

Symbol/Icon	Function
	Open status
	Unauthorized status
	Closed status
	Authorized status

1

Administration

This topic provides an overview of administration screens.

Workbench segregates the developmental activity of the developers into different releases. This allows the tool to track the changes done in each release and helps the developer to follow an extensible approach to development.

Administration screens of the development Workbench are as follows:

1. Release Creation.
2. Environment Creation.
3. User Creation.

This topic has the following sub-topics:

- Login to the Workbench
  This topic provides systematic instructions to log in to the Workbench for the first time.

1.1 Login to the Workbench

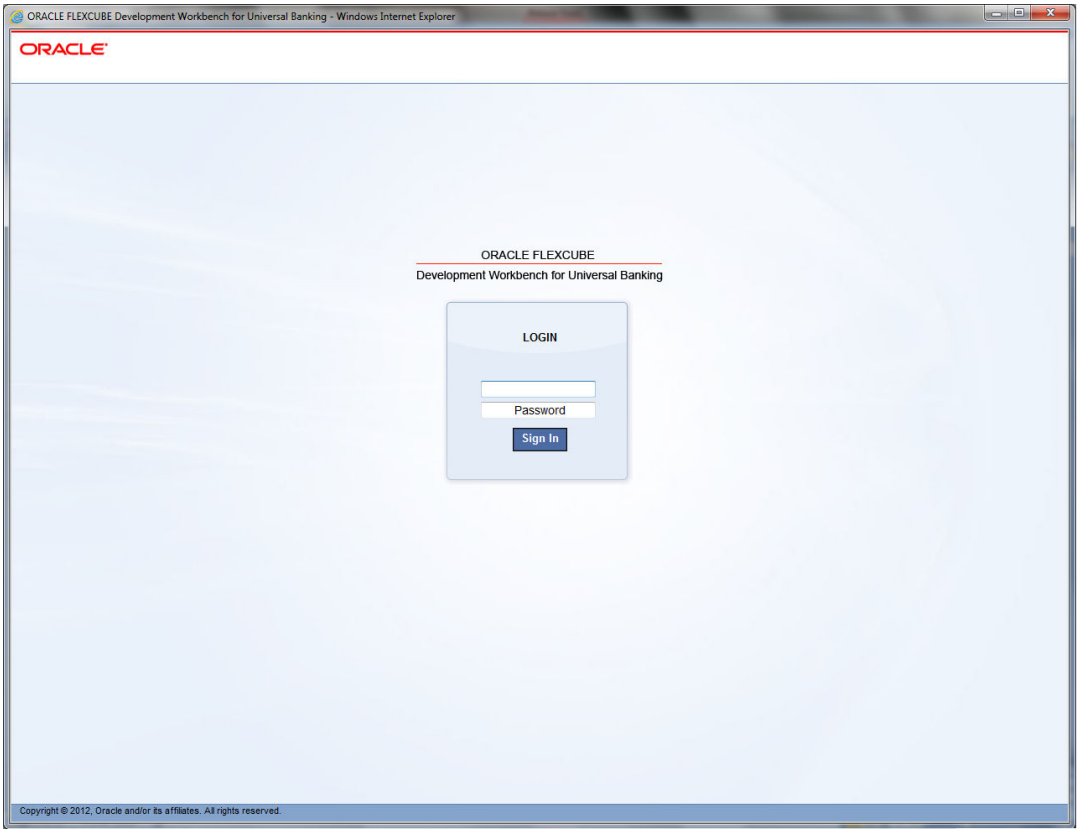
This topic provides systematic instructions to log in to the Workbench for the first time.

1. After successful installation, log in to the Workbench by using the following credentials:

   User Name: **RADTOOL**

   Password: **RADTOOL**

Figure 1-1 Login

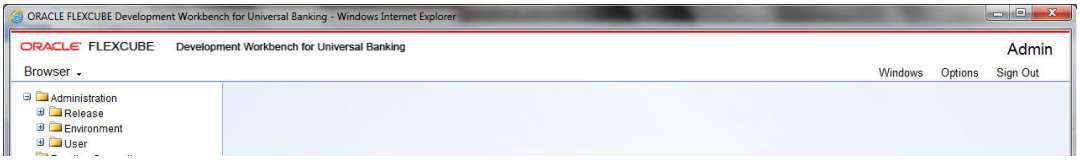


The **RADTOOL** user is initially mapped to Default Release. This user is only for the initial login to the tool. Developers should not use this user to design a new screen or to modify an existing screen.

2. After successful login, click on the **Administration** node on the left side under the **Browser**.

   Under the **Administration** node, **Release**, **Environment** and **User** options displayed.

Figure 1-2 Options under Administration



2 Release

This topic provides instructions to create a new Release.

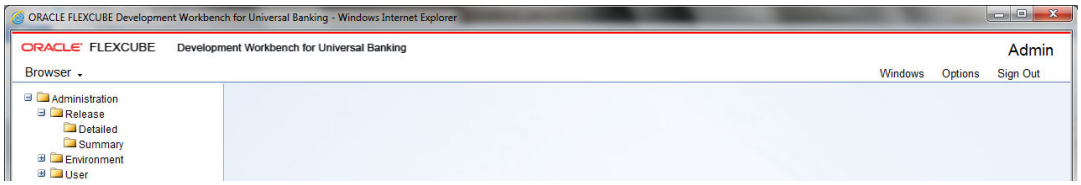
1. Expand the Release node under administration.

   Detailed and **Summary** options displays in the **Development Workbench for Universal Banking** screen.

2. Click on the Detailed option to create a new release.

   Release Master screen displays.

Figure 2-1 Release Master



- Release Detailed
  The topic explains about the release master screen.
- Release Summary
  This topic provides instructions to get the Environment summary.

2.1 Release Detailed

The topic explains about the release master screen.

Only a user with Administrator rights can create Release. It is recommended to use RADTOOL users for creating new releases.

Table 2-1 Release Master - Field Description

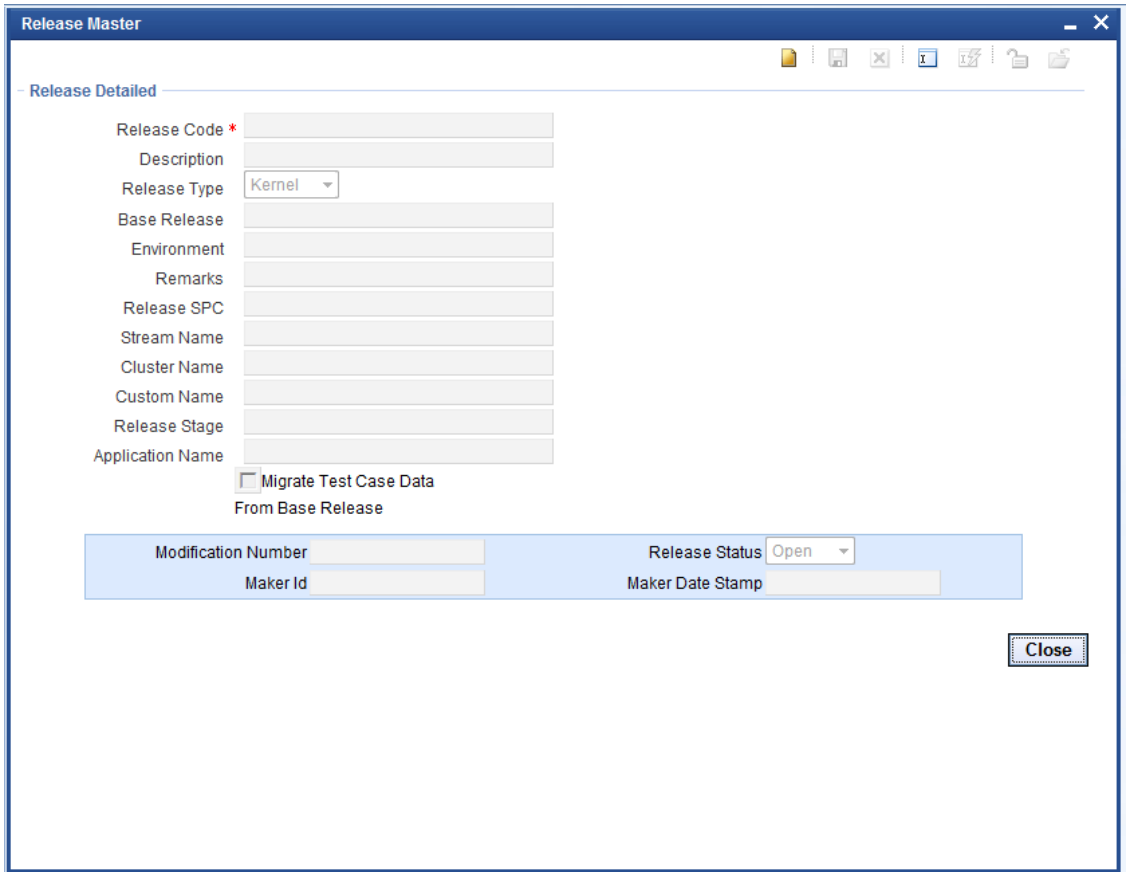
Field	Description
Release Code	Release code/Project Code is a mandatory field. It should follow the FLEXCUBE naming convention. For Example: FC_UBS_V.UM_11.4.US.1.0.0.0
Description	A meaningful description of release can be provided here.
Release Type	Select the release type. This is a mandatory field. • **Kernel**: This option should be used by the kernel team only. • **Cluster**: A regional development team has to select this option. • **Custom**: Either offshore development team for client changes or development in Onsite has to select this option.
Release Number	Enter the version number of the FLEXCUBE development.

Table 2-1 (Cont.) Release Master - Field Description

Field	Description
Base Release	Select base release from the list of values. All available releases will be shown in the List of values. The base release is of significance for migrating test case data Example: If the developer is working on customization on top of the 11.3EU Cluster pack, the base release will be 11.3EU.
Environment	Select default environment.
Remarks	Enter if any additional info is required regarding Release. This is the information field.
Release SPC	This would be used for in-house developments. This is not required for custom developments.
Stream Name	The stream name should be the same as the DDL stream name. This is not applicable if DDL integration is not required.
Cluster Name	This is an information field. If the release is a Cluster pack, the name of the Cluster release can be provided here, the same name as maintained in DDL Tool.
Custom Name	This is an information field. If the release is a Customization, the name of the customer can be provided here, the same name as maintained in DDL Tool.
Release Stage	This is the information field. The release stage can be Development, SQA, ITR etc.
Application Name	Provide the name of the application for which the release is created. Example: FLEXCUBE, FCIS, FGL, etc.
Migrate Test Case Data from Base Release	If the check box is checked,all the test case data from the base release will be migrated to the new release.

The below figure shows sample entries for creating custom release done for MODEL BANK.

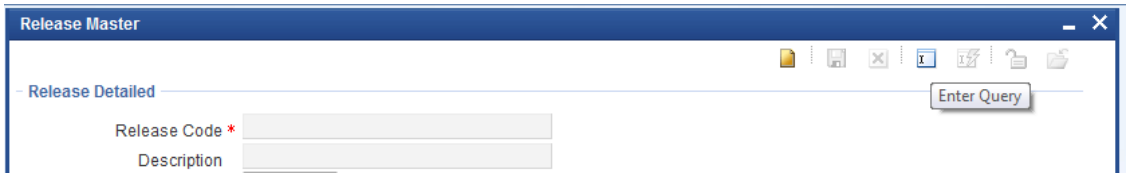
Figure 2-2 Release Master



Querying a Release

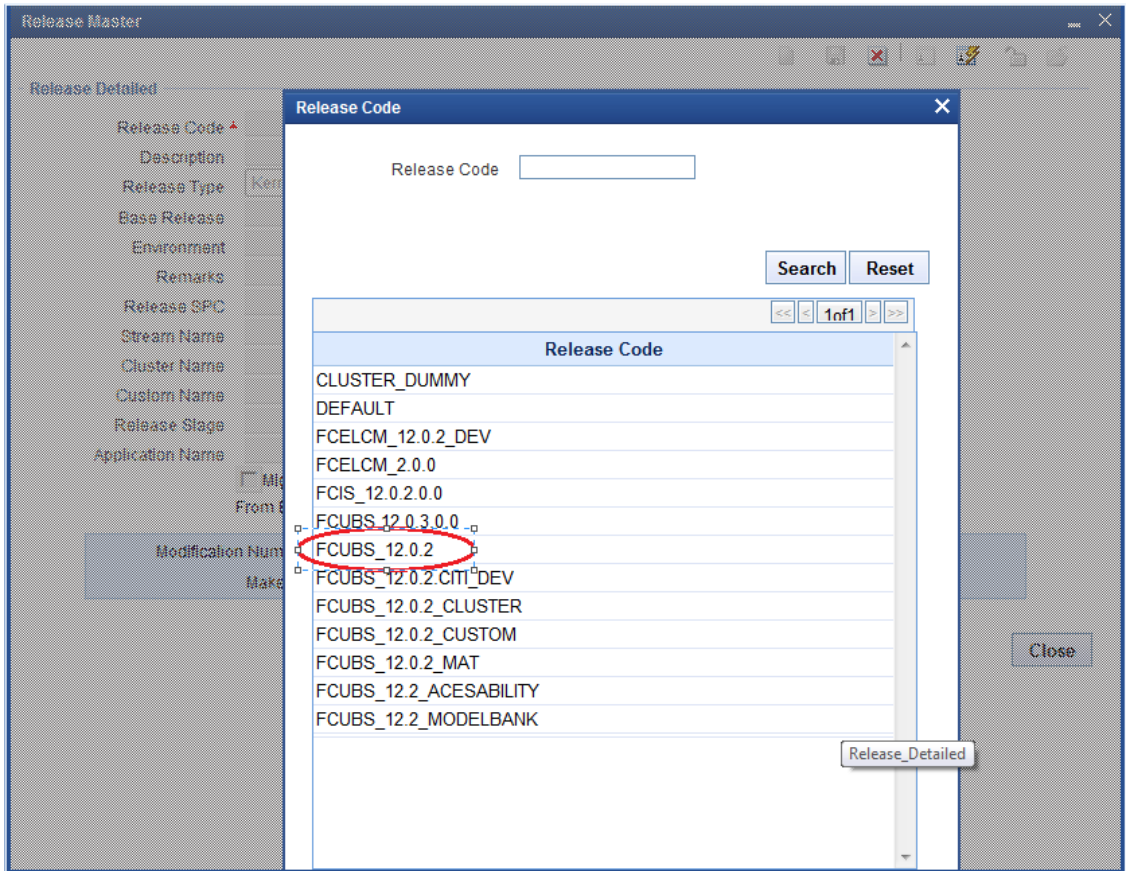
If user want to modify existing release Details click on Release Detailed node in tree and click enter query option.

Figure 2-3 Release Master- Quering



Release code field gets enabled. If release name known already enter directly or select release code from provided List of values.

Figure 2-4 Reease Code List

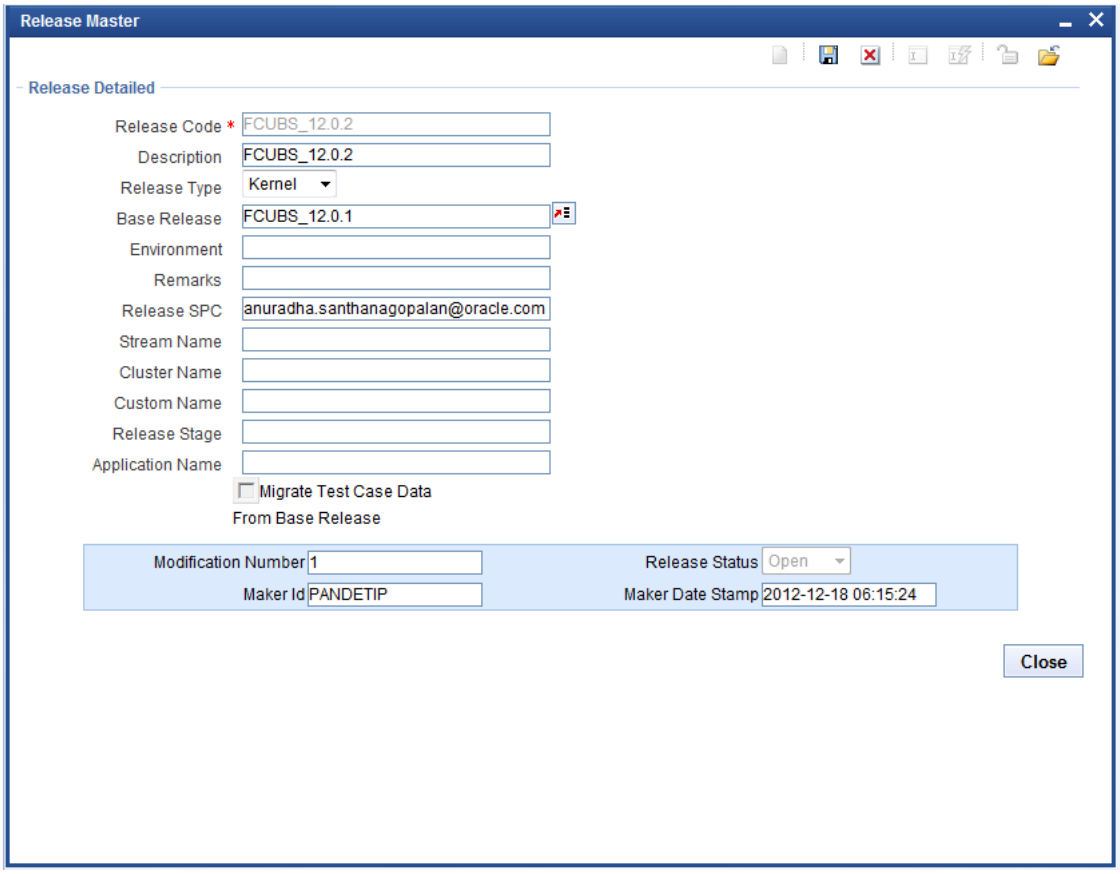


After selecting release code click on execute query.

Modifying a Release

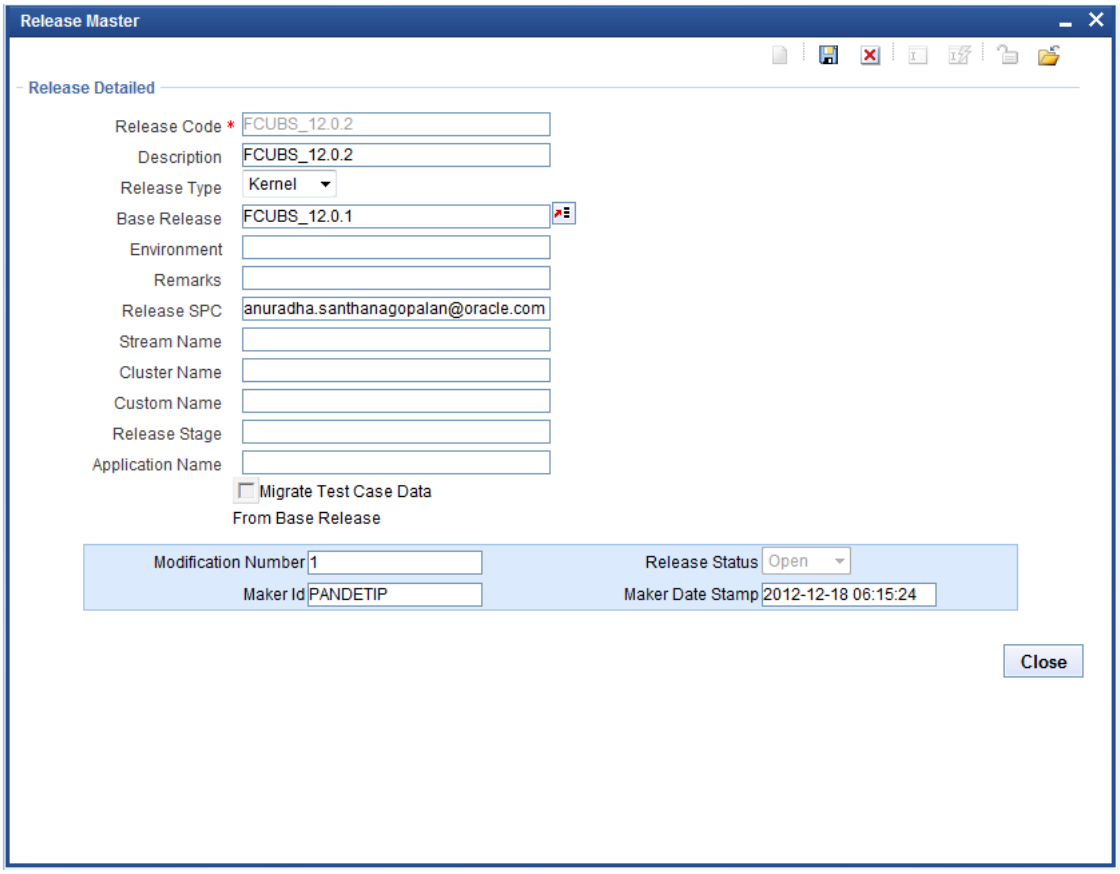
Click the U**nlock** button.

Figure 2-5 Release Modification



After unlock button clicked except release code all fields will be enabled. Release administrator can update the required fields. Click **save**.

Figure 2-6 Release after Modification



2.2 Release Summary

This topic provides instructions to get the Environment summary.

This screen will be used to get details of all releases already existing in Workbench.

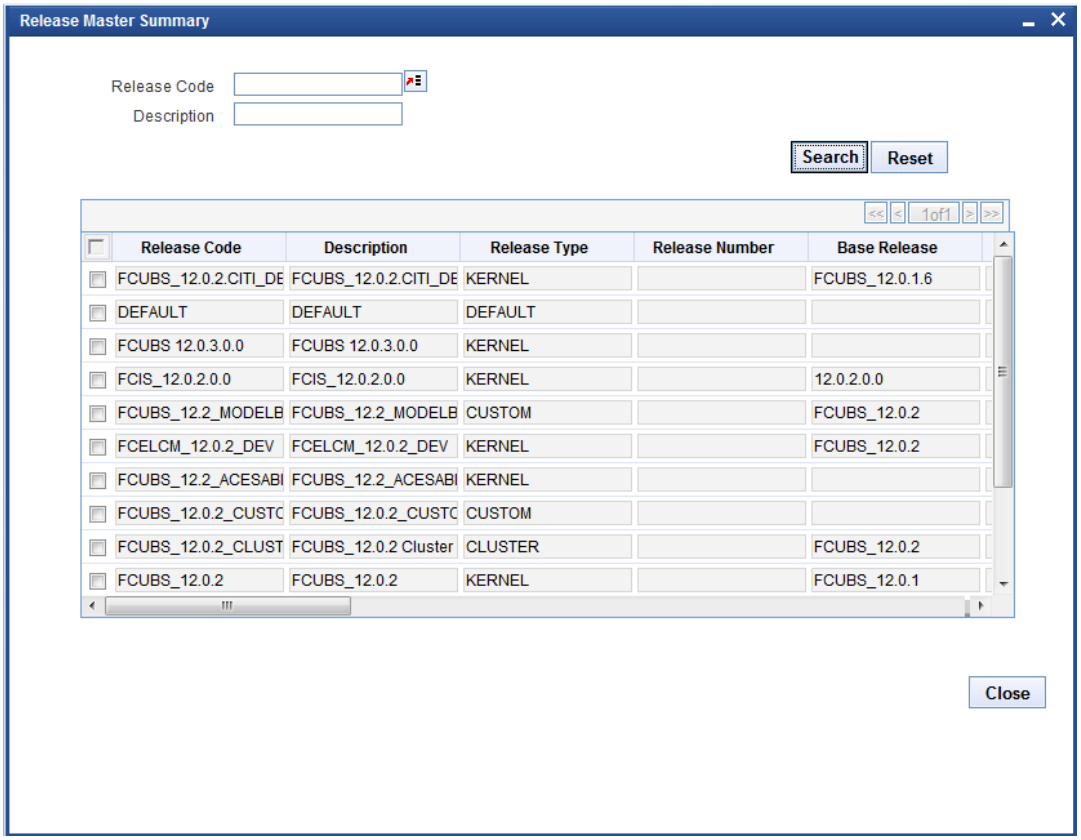
1. Click on the **Execute query** button.

   All available releases are displayed in grid view.

2. Double click on the particular release code.

   Release Master Summary screen displays.

Figure 2-7 Release Master Summary



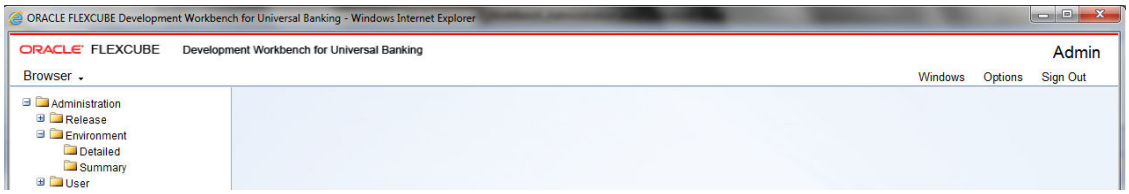
3
Environment

This topic provides an overview of the Environment.

Workbench requires at least one environment for each release and the below environment details need to be maintained. Multiple environments can be mapped to a single release.

For instance, different environments can be maintained for different stages of the same release i.e. development, testing, etc. Note that Workbench can interact with multiple FLEXCUBE links. Each environment correspond to a FLEXCUBE environment.

Figure 3-1 Options under Environment



- Environment Detailed
  This topic provides systematic instructions to get the Environment details.
- Environment Summary
  This topic provides instructions to get the Environment summary.

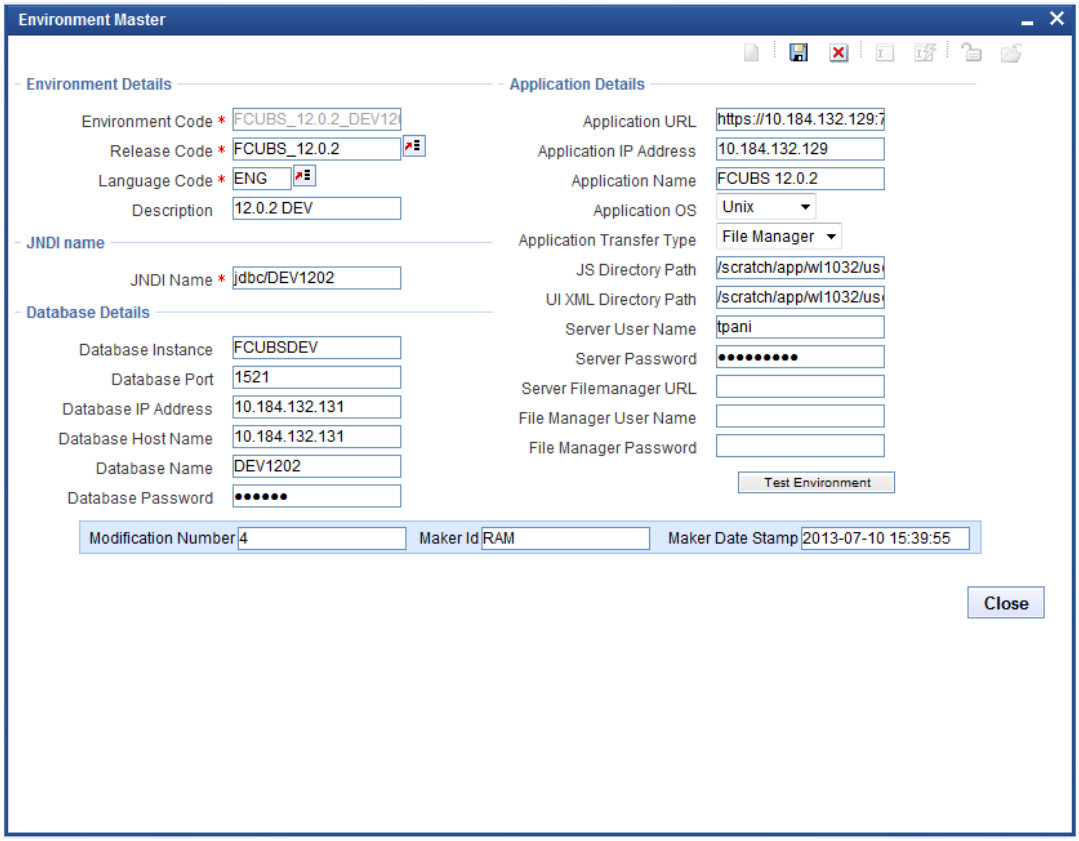
3.1 Environment Detailed

This topic provides systematic instructions to get the Environment details.

1. Click on the detailed node of environment.
2. Click on the **new** button.

   The **Environment Master** screen displays.

Figure 3-2 Environment Master



3. Specify the following details.

Table 3-1 Environment Details

Field	Description
Environment Code	This is a mandatory field. The naming convention would be <release code>_ENV. For Example, FCUBS11.4_MODEL_BANK_ENV
Release Code	This is a mandatory field. Select the correct release code from the list of values. This field identifies the release to which the environment is mapped
Language Code	This is a mandatory field. Select the required language from LOV. This field is very important in environment creation as screen XML will be generated based on the language set up at the environment level. List of values fetches the available languages from RDTM_LANGUAGE. Any new language, if required, has to be maintained in this table.
Description	Information field. Meaningful description of environment code.

Table 3-2 JNDI Name

Field	Description
JNDI Name	Enter valid JNDI name. This is mandatory. It should match with the JNDI name used while creation of Data Source for FLEXCUBE in the app server. It's case-sensitive. Connection to the FLEXCUBE schema is established from Workbench using the JNDI name maintained in the environment definition. If the JNDI name does not match the database connection to the FLEXCUBE schema won't happen. For instance: If the server is Apache Tomcat, JNDI provided in environment creation should match with JNDI provided in **server.xml** and **context.xml**. If the server is web logic, JNDI provided in environment creation should match with JNDI of the data source created. **Note** **Dynamic Registering of Data Source with JNDI**: Dynamic Data Source Registering feature avoids the need of creating Data Source manually in the Application Server. To enable this feature, the Provider URL value has to be provided during installation. A new data source will be added to the JNDI context using the DataBase details provided while creating the Environment (explained below). An Example of Properties to be specified in **odt.properties** for WebLogic Server is given below *INITIAL_CONTEXT_FACTORY=weblogic.jndi.WLInitialContextFactory PROVIDER_URL=t3://localhost:7101* This feature won't be available if the JNDI context is read only. For Example : Apache tomcat Server

The FLEXCUBE database server details of the environment can be provided here. These are information fields. The database connection is achieved through JNDI maintained and not with help of data provided in these fields unless dynamic registering of the Data Source feature is available.

Table 3-3 Data Base Details

Field	Description
Data Base Instance	Enter the valid database instance name.
Data Base Port	Enter database port number.
Data Base IP Address	Enter database IP address.
Data Base Host Name	Enter the hostname or IP address of the database.
Data Base Name	Enter schema name.
Data Base password	Enter schema password.

If dynamic registering of Data Source feature is not available then the following has to be taken care:

a. If the password of the FLEXCUBE schema is changed, merely changing the password in the Workbench environment wouldn't be of any help. The developer will have to update the data source in the server with the latest credentials.

b. If the JNDI of the data source is changed, the Application server has also to be updated with the same.

Table 3-4 Application Details

Field	Description
Application URL	Enter valid FLEXCUBE URL and this will be launched from Workbench.
Application IP Address	Enter the application IP address.
Application Name	Enter application name. This is the information field.
Application Operating System	Select the operating system on which FLEXCUBE is running; two options are provided: Windows or UNIX.
Application transfer Type	If the user requires the Deploy option (Check the document Development Workbench- Screen Development II to get more details about deploy option), file transfer type has to be selected. File Transfer type depends on the operating system of the application server in which FLEXCUBE is hosted. • **Windows**: File manager/File • **Copy UNIX**: File Manager • **File Copy**: Directly copies files into the specified location. • **File Manager**: It is a Servlet (please check the File manager section in the appendix to get more details) running in an app server where FLEXCUBE is deployed. This Servlet has to be deployed in the same server where FLEXCUBE is hosted for copying files from the Workbench server. This has to be selected if the operating system is UNIX. Refer Appendix section for further details on File Manager.
JS Directory Path	Enter the shared path of JavaScript files in the FLEXCUBE server. This is also required for deploy feature of Workbench. All the system JavaScript files generated will be copied to the path mentioned in this field. For Example: **Windows**: *10.184.46.209**js*\\ (Each forward slash should be appended by one more), **UNIX**: */oraint1/web1034/Oracle/Middleware/user_projects/domains/FCUBSDevDomain/servers/FC114EXT/tmp/_WL_user/FC114EXT/eiq6wn/war/Script/JS/* (It should contain only single backward slash). Note that slash has to be provided, in the end, in the path provided. Make sure write permission is provided on this folder.
UIXML Directory Path	Enter shared path of UIXML (language XML) files. This is also required for the deploy feature of WORKBENCH. All the system JavaScript files generated will be copied to the path mentioned in this field. For Example: **Windows**: *10.184.46.209**eng*\\ , **UNIX**: */oraint1/web1034/Oracle/Middleware/user_projects/domains/FCUBSDevDomain/servers/FC114EXT/tmp/_WL_user/FC114EXT/eiq6wn/war/UIXML/ENG/*. Note that slash has to be provided, in the end, in the path provided. Make sure write permission is provided on this folder. If Transfer Type is File manager then the below details have to be provided mandatorily.
Server User Name	Enter application server user name.
Serve Password	Enter application server password.
File Manager URL	Enter file manager url as shown below. Format: *http://<ipaddress>:<portnumber>/FileManager/FileManageServlet* , For Example: *http://10.184.74.143:7755/FileManager/FileManageServlet*
File Manager User Name	Enter a user name. This is an optional field.
File Manager Password	Enter password. This is an optional field.

3.2 Environment Summary

This topic provides instructions to get the Environment summary.

Environment Summary screen will be used to get details of all environments that already exist in Workbench.

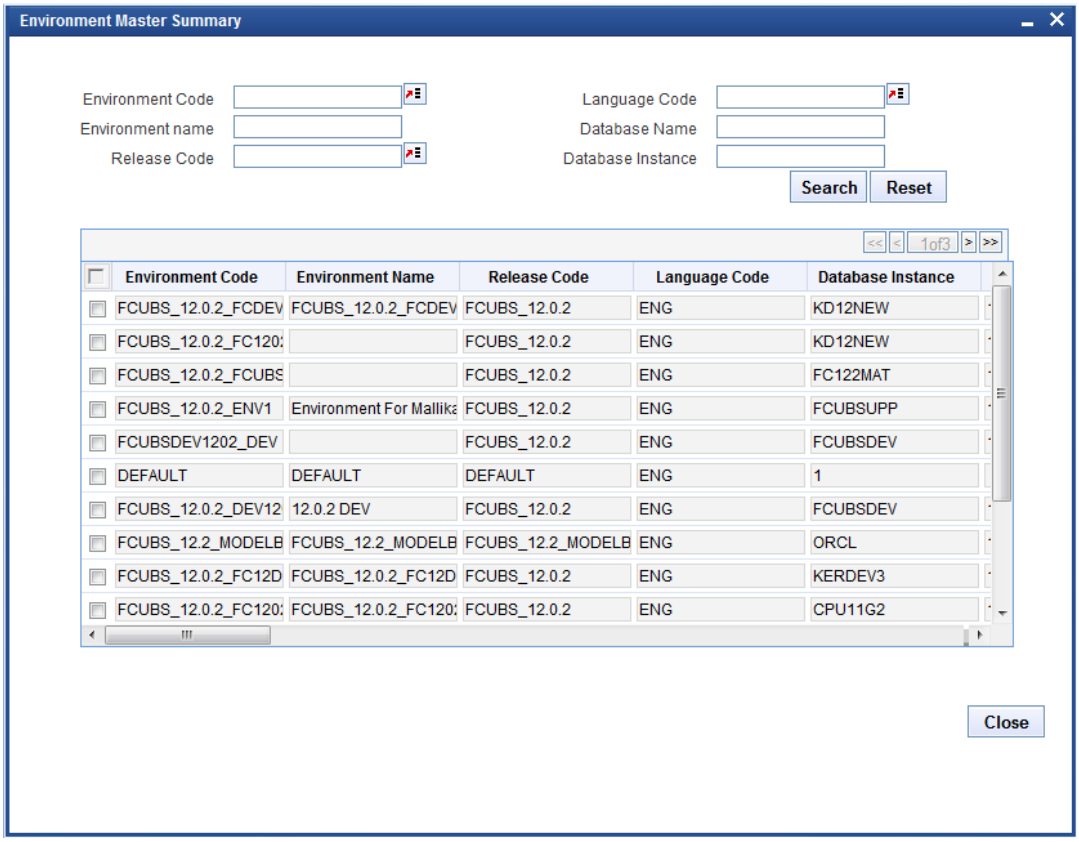
1. Click on the **Execute query** button.

   All available releases are displayed in grid view.

2. Double click on the particular environment code.

   Environment Master Summary screen displays.

Figure 3-3 Environment Master Summary

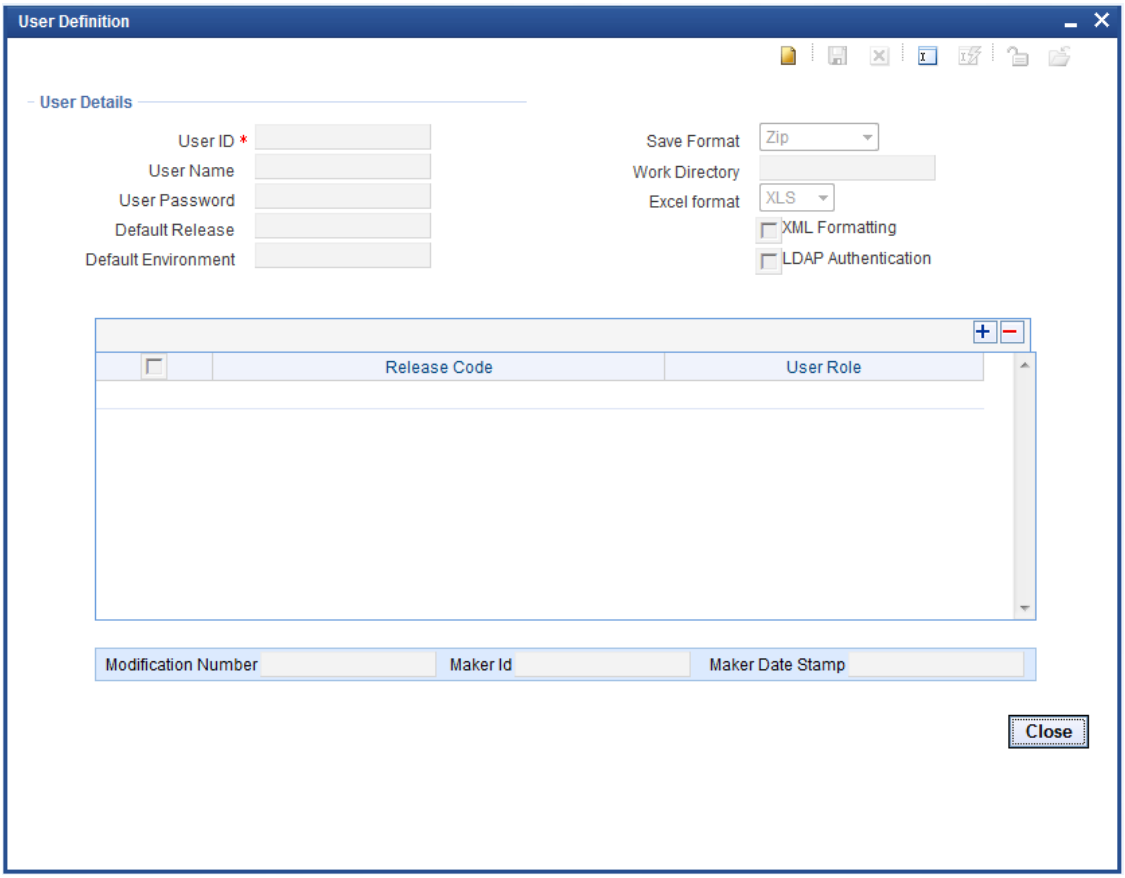


4
User

This topic provides information on the User screen.

The user screen is used for creating a new user for Workbench. Only the Administrator or Release Administrator can create new users. Releases can be attached to the particular user and roles for the user on the attached release code can also be maintained.

Figure 4-1 User Definition



- User Detailed
  This topic provides field descriptions for the User Definition screen.
- User Summary
  This topic provides instructions to get the User summary.

4.1 User Detailed

This topic provides field descriptions for the User Definition screen.

Table 4-1 User Definition- Field Descriptions

Field	Description
User ID	This is the unique ID given to each user, used to login into Workbench.
User Name	Enter User Name.
User Password	The password the user has to enter to log in to Workbench.
Default Release	Select Release code from the list of values. This will be the release to which users will be mapped on logging in to the Tool. If the user mapped to more than one release, the user can switch between the releases using the User Preferences screen. Refer https://docs.oracle.com/cd/F42208_01/PDF/Open_Dev_Tools/03-Development_WorkBench_Getting_Started.pdf for further details on User Preferences
Default Environment	Select the corresponding environment code created for the selected default release. If not selected, the user can set environment in the User Preferences screen after logging in.
Save Format	The user can access the generated files in one of the following modes: • **Zip**: Files will be zipped and downloaded from the server to the client. This is the default save format. • **Server Path**: If the user has access to Server, then this mode can be selected. A path in Server has to be specified as Work Directory. Files will be copied to this path from where the user can pick them up. • **Client Path**: For ease of use for users of Older Versions, the earlier mode has also been retained. Here the user has to provide a path in his machine as the Work Directory. Note that this mode uses ActiveX Scripting; hence settings have to be set accordingly. This option is available only in Internet Explorer.
Work Directory	It is the path of the folder where the Workbench generated files will be saved. The user can specify the default directory where all his work should be saved. This field is applicable only if the Save format is either Server Path or Client Path. If the Save Format is Server Path, a path in the server has to be specified. If the Save Format is Client Path, a path in the client machine has to be specified. If the value is specified as **CURRENT_DIRECTORY** generated files will be saved to the location path specified at the design screen level.
Excel Format	This field defines the default extension of the excel files generated from the Tool. XLS and XLSX are the supported formats.
XML Formatting	Any XML file which is generated by Workbench will be formatted.
LDAP Authentication	This option can be selected if the user has to be authenticated against an LDAP. Password need not be specified in this case. LDAP properties have to be specified in the **odt.properties** file for availing of this feature. Sample LDAP Properties: • *LDAPSSLEn = N* • *LDAP_DOMAIN=MODELBANK.COM* • *LDAP_SERVER_URL=ldap://10.184.xx.xx.389*

4.1.1 User Releases

This topic provides information on User Releases.

A single user can be mapped to many releases. Make sure that the selected default release is available here. Along with release code user role should be specified. The tool has below User Roles for controlling the access rights:

- **Release Administrator**
- **Developer**
- **TCM User**
- **VERCON**

The user will be allowed to perform various tasks based on the Role assigned to the user. The same user can have a different role for different releases.

Table 4-2 User Roles

User Roles	Description
Release Administrator	• This role is meant for project leaders and team leaders and allows them to perform release administration activities. • Users with this role would be allowed to perform the below tasks. – Creation of Environment(s) for the Release – Creation of users – Provide access to the Release for required Users
Developer	• This Role is for Developers. Users mapped with this role would be able to access the Function development related features of the Workbench. • User will also be able to Switch between the releases and Environments using the **User Preferences** option.
TCM User	• This Role is meant for users of TCM. Users mapped with this role would be able to access only the TCM screens through the console. • The user will also be able to Switch between the releases and Environments using the **User Preferences** option.
VERCON	• This Role is meant for VERCON Team. Users mapped with this role would be able to access only the bulk gen operation through the console. • The user will also be able to Switch between the releases and Environments using the **User Preferences** option.

New User will be created by RADTOOL user. Use RADTOOL user to create only one user with a role as Release Administrator. After adding one user as Release Administrator, many users can be created by using the same user.

4.2 User Summary

This topic provides instructions to get the User summary.

The user Summary screen will be used to get details of all users that already exist in the Workbench.

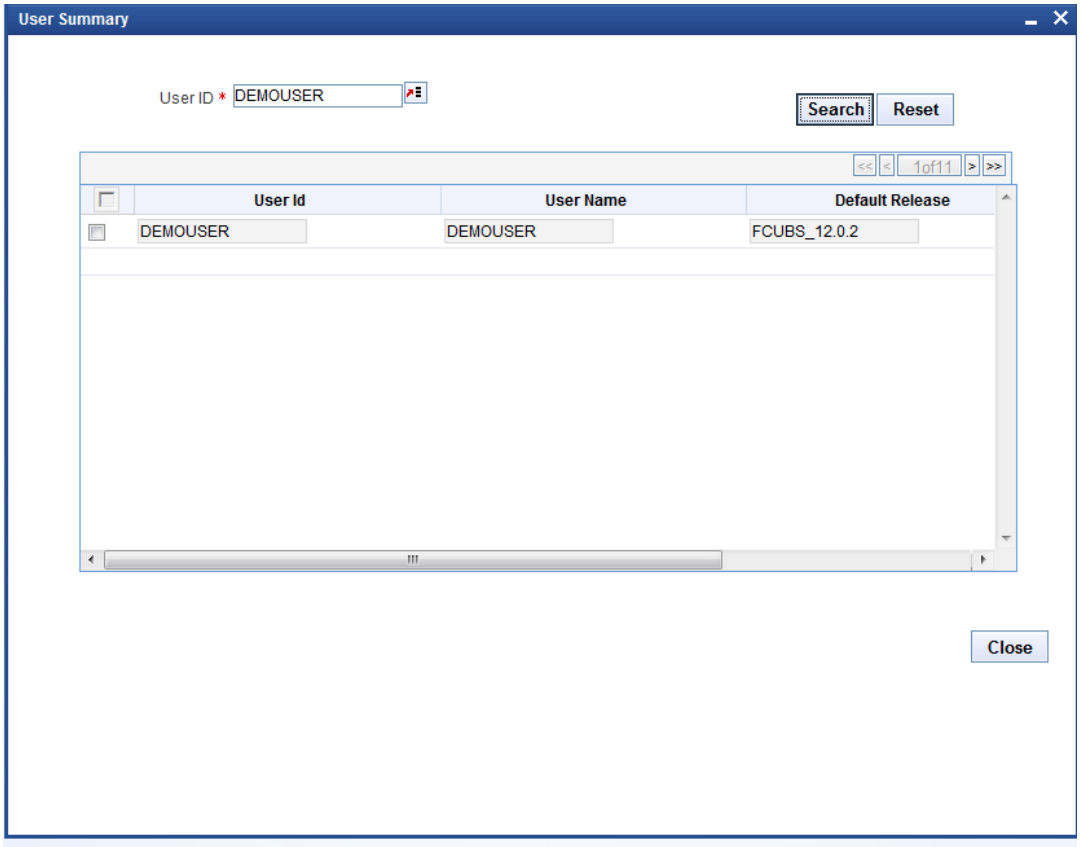
1. Click on the **Execute query** button.

   All available releases are displayed in grid view.

2. Double click on the particular User.

   User Summary screen displays.

Figure 4-2 User Summary



5

Key Points

This topic provides key points for the User and Environment creation.

1. Use the user name RADTOOL to create a new release.
2. In Release Creation, Release Code and Release type are mandatory.
3. In Environment creation Environment Code, Release Code, Language, and JNDI Name are mandatory.
4. In user creation provide User Id, Password, Default Release, Default environment, Save Format, Work Directory.
5. Default release selected should be available in the user releases multi-record grid. Otherwise, Login would be unsuccessful.

6 Appendix

The topic explains about Appendix.

File Manager

File Manager Servlet will be shipped along with Workbench sources. This application helps in copying files from one machine to another. This application has to be deployed for successfully deploying files to the FLEXCUBE application server from Workbench.

File Manager Deployment

File Manager has to be deployed in the server hosting FLEXCUBE (for which environment is created in Workbench). The IP address of the Workbench server has to be mentioned in the property file of File Manager.

- **Path**: `FileManager\WEB-INF\classes\com\ofss\manager`
- **File**: **fileupload.properties**

This file should have the IP address of the server where ODT is hosted. If more than one Workbench server is accessing the same FLEXCUBE application (or in the case of servers in a cluster), multiple IP addresses can be provided separated by semicolon. After modifying the property file, the file manager has to be deployed in the server where FLEXCUBE is hosted.

Maintenance in Development Workbench

File Manager has to be maintained in the environment (which links to the particular FLEXCUBE environment). File Manager URL has to be provided in the Server File Manager URL.

Format: http://<ipaddress>:<portnumber>/FileManager/FileManageServlet

Example: http://10.184.74.143:7755/FileManager/FileManageServlet