

Oracle® FLEXCUBE Investor Servicing Development Workbench - Administration



Release 14.7.7.0.0
G33255-01
April 2025

ORACLE®

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

Preface

Purpose	v
Audience	v
Documentation Accessibility	vi
Critical Patches	vi
Diversity and Inclusion	vi
Conventions	vi
Screenshot Disclaimer	vii
Prerequisite	vii
Related Resources	vii

1 Administration

2 Release

2.1 Release Detailed	2-1
2.2 Release Summary	2-6

3 Environment

3.1 Environment Detailed	3-2
3.2 Environment Summary	3-7

4 User

4.1 User Detailed	4-1
4.1.1 User Releases	4-6
4.1.2 Release Administrator	4-7
4.1.3 Developer	4-7
4.1.4 TCM User	4-7
4.1.5 Vercon	4-7
4.2 User Summary	4-7

5 Key Points

6 Appendix

Preface

Oracle FLEXCUBE Investor Servicing is a comprehensive mutual funds automation software from Oracle® Financial Servicing Software Ltd.©.

You can use the system to achieve optimum automation of all your mutual fund investor servicing processes, as it provides guidelines for specific tasks, descriptions of various features and processes, and general information.

This topic contains the following sub-topics:

- [Purpose](#)
- [Audience](#)
- [Documentation Accessibility](#)
- [Critical Patches](#)
- [Diversity and Inclusion](#)
- [Conventions](#)
- [Screenshot Disclaimer](#)
- [Prerequisite](#)
- [Related Resources](#)

Purpose

This manual is designed to help FLEXCUBE Application developers/users to familiarize with ORACLE FLEXCUBE Development Workbench for Investor Servicing.

Audience

This document is intended for FLEXCUBE Application developers/users that use Development Workbench to develop various FLEXCUBE components.

To Use this manual, you need conceptual and working knowledge of the below:

Table 1 Proficiency and Resources

Proficiency	Resources
FLEXCUBE Functional Architecture	Training programs from Oracle Financial Software Services.
FLEXCUBE Technical Architecture	Training programs from Oracle Financial Software Services.
FLEXCUBE Object Naming Conventions	Development Overview Guide

Table 1 (Cont.) Proficiency and Resources

Proficiency	Resources
Working knowledge of Web based Applications	Self-Acquired
Working knowledge of Oracle Database	Oracle Documentations
Working knowledge of PLSQL developer	Respective vendor documents
Working knowledge of PLSQL and SQL Language	Self-Acquired
Working knowledge of XML files	Self-Acquired

Documentation Accessibility

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.

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 ensure effective security, as strongly recommended by [Oracle Software Security Assurance](#).

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.

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 or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
<code>monospace</code>	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.

Prerequisite

Specify **User ID** and **Password**, and log in to **Home Screen**.

Related Resources

The functions of ORACLE FLEXCUBE Development Workbench for Investor Servicing system is organized into various guides, each discussing a component.

For more information, see these Open Development Tool documents:

- *Open Development Tool Installation*
- *Development Workbench - Getting Started*
- *Development Workbench - Administration*
- *Development Workbench - Screen Development I*
- *Development Workbench - Screen Development II*
- *Development Workbench - Screen Customizer*
- *Development Workbench - Notifications*
- *Development Workbench - Bulk Generation*
- *Development Workbench - Source Upgrade*
- *Development Workbench - Tracking Changes*
- *Child and Screen Childs - Concept and Design*
- *Development of Maintenance Form*
- *Development of Online Form*
- *Development of Call Form*
- *Development of Launch Forms and Other Screens*
- *Development of Dashboard Form*
- *Development Workbench Service XML Development*
- *Development Workbench Performance Tuning Enhancements*
- *Development Workbench - Rest Services Development*

1

Administration

This topic provides information on Development Administration.

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 Development Workbench are as follows:

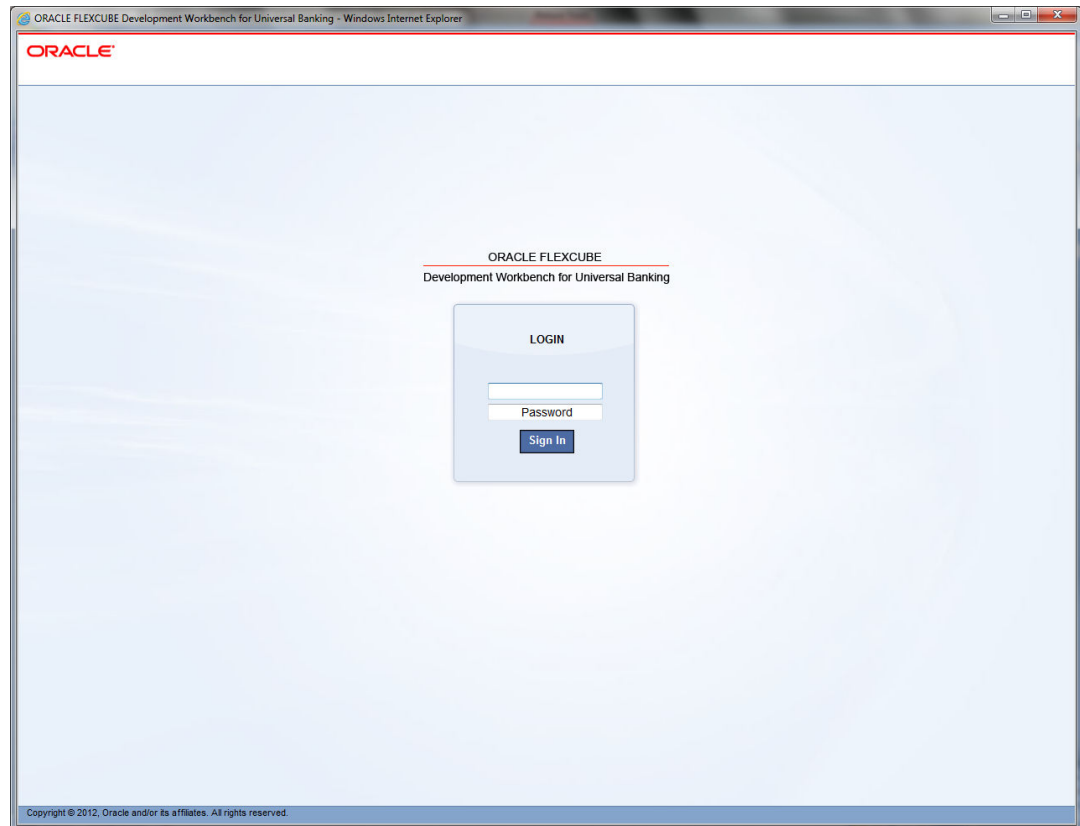
- Release Creation
- Environment Creation
- User Creation

First Time Log in

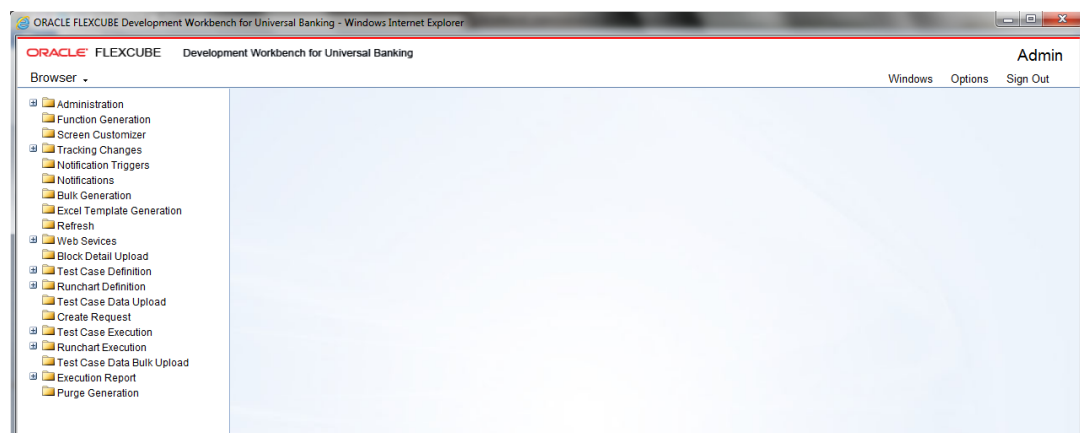
1. User can log in to the tool using the following credentials after successful installation.
 - a. **User Name:** RADTOOL
 - b. **Password:** RADTOOL

Note:

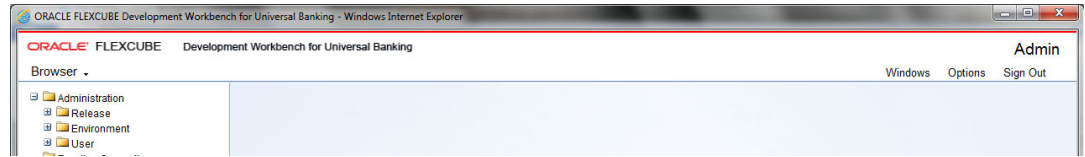
RADTOOL user is initially mapped to Default Release. This user credentials is only for initial login to the tool. Developers should not use this user credentials to design new screen or to modify the existing screen.

Figure 1-1 Development Workbench for Universal Banking_Login Screen

2. Click **Administration** node in the left side of tree under **browser** tab.

Figure 1-2 Development Workbench for Universal Banking_Administration

3. Inside **Administration**, user can find three options within as follows:
 - **Release**
 - **Environment**
 - **User**

Figure 1-3 Development Workbench for Universal Banking_Administration Options

2

Release

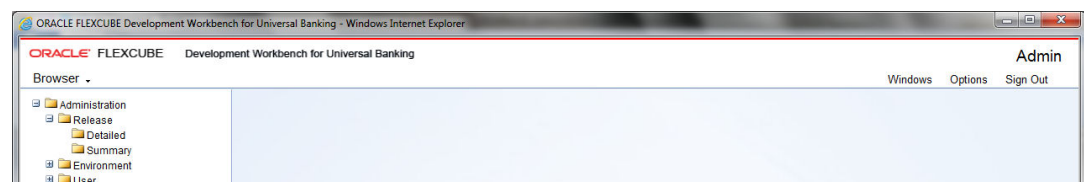
This topic explains the Release options in the Development Administration.

1. Expand the **Release** node under **Administration**.

The user will find below options within:

- **Release Detailed**
- **Release Summary**

Figure 2-1 Options under Release



2. Click **Detailed** option to create a new release.
- [Release Detailed](#)
This topic provides the instructions to create a Release.
 - [Release Summary](#)
This topic provides information on Release Summary screen.

2.1 Release Detailed

This topic provides the instructions to create a Release.

1. Click **Detailed** option of Release.
The **Release Master** screen is displayed.

Figure 2-2 Release Master

The screenshot shows the 'Release Master' application window. The title bar says 'Release Master'. Below the title bar is a menu bar with options: File, Edit, View, Tools, Window, Help. The main area is titled 'Release Detailed'. It contains the following fields:

- Release Code * (text input)
- Description (text input)
- Release Type (dropdown menu, currently set to 'Kernel')
- Base Release (text input)
- Environment (text input)
- Remarks (text input)
- Release SPC (text input)
- Stream Name (text input)
- Cluster Name (text input)
- Custom Name (text input)
- Release Stage (text input)
- Application Name (text input)

Below these fields is a checkbox labeled 'Migrate Test Case Data From Base Release'. At the bottom of the form, there are four fields: 'Modification Number', 'Release Status' (dropdown menu, currently set to 'Open'), 'Maker Id', and 'Maker Date Stamp'. A 'Close' button is located at the bottom right of the window.

2. Use the **RADTOOL** user for creating a new releases.
Only a user with Administrator rights can create **Release**
3. On the **Release Detailed** screen, specify the fields.
For more information on fields, refer to the field description table.

Table 2-1 Release Detailed - Field Description

Field	Description
Release Code	Release code/Project Code is mandatory field. It should follow FLEXCUBE naming convention. Ex: FC_UBS_V.UM_11.4.US.1.0.0.0
Description	Information about the release. Meaningful description of release can be provided here.
Release Type	Select the release type . This is mandatory field. • Kernel: This option should be used by 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 No	Enter the version number of FLEXCUBE development.
Base Release	Select base release from the list of values. All available releases will be shown in the List of values. Base release is of significance for migrating test case data Example : If developer is working on customization on top of 11.3EU Cluster pack, base release will be 11.3EU

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

Field	Description
Environment	Select default environment while creating new release ignore
Remarks	Enter if any additional info required regarding Release. This is an information field.
Release SPC	This would be used for in house developments. This is not required for custom developments.
Stream Name	Stream name should be same as 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, name of the Cluster release can be provided here same as maintained in DDL Tool.
Custom Name	This is an information field. If the release is a Customization, name of the customer can be provided here .Same name as maintained in DDL Tool.
Release Stage	This is information field. Release stage can be Development, SQA,ITR etc
Application Name	Provide the name of application for which the release is. Example: FLEXCUBE, FCIS, FGL, etc.,
Migrate Test Case Data from Base Release	If check box is checked, all the test case data from the base release will be migrated to the new release.

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

Figure 2-3 Create a Releas_Sample

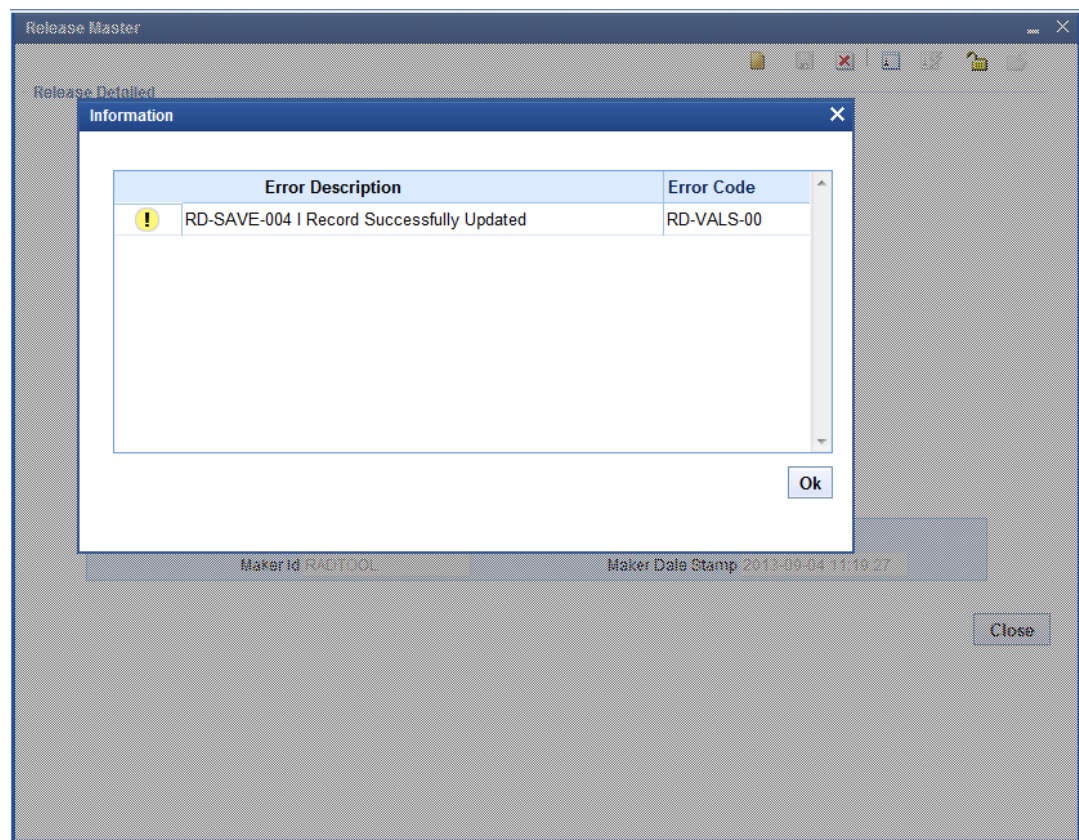
The screenshot shows the 'Release Master' application window with the 'Release Detailed' tab selected. The form contains the following fields and values:

- Release Code: FCUBS_12.0.2
- Description: FCUBS_12.0.2
- Release Type: Kernel (dropdown)
- Base Release: FCUBS_12.0.1
- Environment: (empty)
- Remarks: (empty)
- Release SPC: anuradha.santhanagopalan@oracle.com
- Stream Name: (empty)
- Cluster Name: (empty)
- Custom Name: (empty)
- Release Stage: (empty)
- Application Name: (empty)
- Migrate Test Case Data From Base Release: ☐ (unchecked)
- Modification Number: 1
- Release Status: Open (dropdown)
- Maker Id: PANDETIP
- Maker Date Stamp: 2012-12-18 06:15:24

A 'Close' button is located at the bottom right of the form.

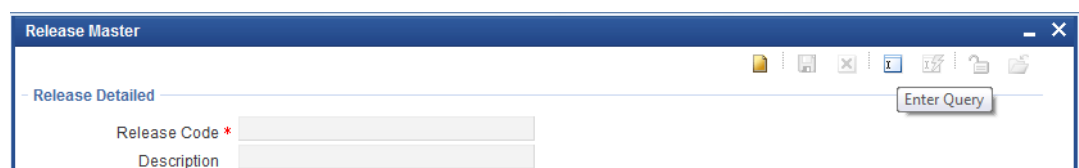
4. The user must save the release once a release is created.

Figure 2-4 Save a Release



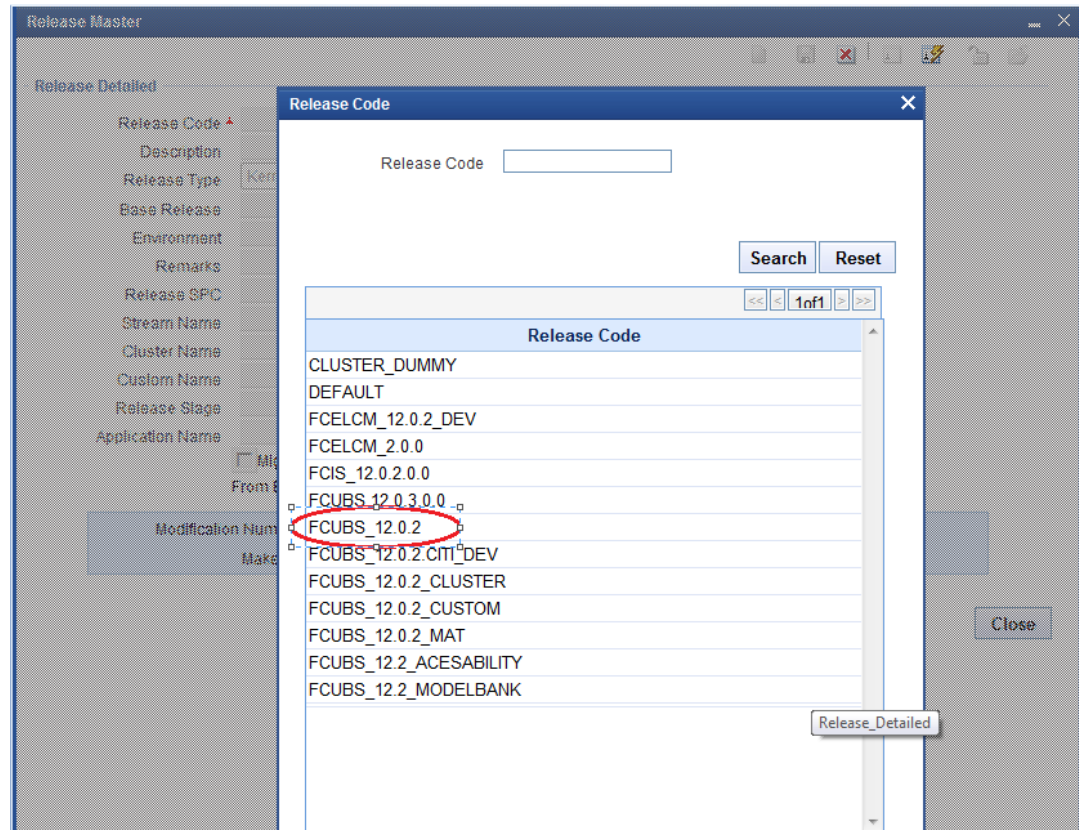
5. If user wants to modify an existing release details, select **Release Detailed** and click **Enter Query** option.

Figure 2-5 Querying details of an existing Release



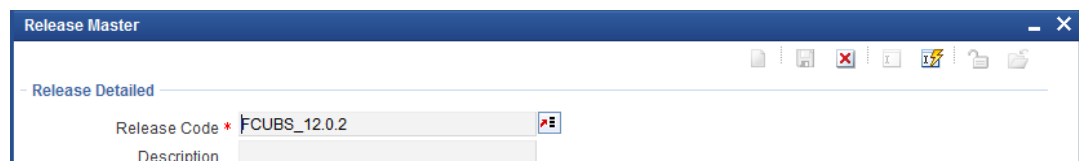
6. When **Release Code** field gets enabled, enter release code either directly if known already or select from provided list of values.

Figure 2-6 Selecting Release Code from LOVs



7. Click **Execute Query** button after selecting release code.

Figure 2-7 Execute Query



8. Click **Unlock** button to modify a release.
9. After **Unlock** button is clicked, all fields except release code will be enabled. Release Administrator can update the required fields. Click **Save**.

Figure 2-8 Modify the details of a Release

The screenshot shows a window titled "Release Master" with a tab labeled "Release Detailed". The form contains the following fields and controls:

- Release Code *: FCUBS_12.0.2
- Description: FCUBS_12.0.2
- Release Type: Kernel (dropdown)
- Base Release: FCUBS_12.0.1
- Environment: (empty text box)
- Remarks: (empty text box)
- Release SPC: anuradha.santhanagopalan@oracle.com
- Stream Name: (empty text box)
- Cluster Name: (empty text box)
- Custom Name: (empty text box)
- Release Stage: (empty text box)
- Application Name: (empty text box)
- ☐ Migrate Test Case Data From Base Release
- Modification Number: 1
- Release Status: Open (dropdown)
- Maker Id: PANDETIP
- Maker Date Stamp: 2012-12-18 06:15:24
- Close button

2.2 Release Summary

This topic provides information on Release Summary screen.

1. Click the **Execute Query** button to display all available releases in grid view.
This screen will be used to get details of all releases which already exist in Workbench.

Figure 2-9 Release Summary

Release Master Summary

Release Code

Description

☐	Release Code	Description	Release Type	Release Number	Base Release
☐	FCUBS_12.0.2.CITI_DE	FCUBS_12.0.2.CITI_DE	KERNEL		FCUBS_12.0.1.6
☐	DEFAULT	DEFAULT	DEFAULT		
☐	FCUBS_12.0.3.0.0	FCUBS_12.0.3.0.0	KERNEL		
☐	FCIS_12.0.2.0.0	FCIS_12.0.2.0.0	KERNEL		12.0.2.0.0
☐	FCUBS_12.2_MODELB	FCUBS_12.2_MODELB	CUSTOM		FCUBS_12.0.2
☐	FCELCM_12.0.2_DEV	FCELCM_12.0.2_DEV	KERNEL		FCUBS_12.0.2
☐	FCUBS_12.2_ACESABI	FCUBS_12.2_ACESABI	KERNEL		
☐	FCUBS_12.0.2_CUSTC	FCUBS_12.0.2_CUSTC	CUSTOM		
☐	FCUBS_12.0.2_CLUST	FCUBS_12.0.2 Cluster	CLUSTER		FCUBS_12.0.2
☐	FCUBS_12.0.2	FCUBS_12.0.2	KERNEL		FCUBS_12.0.1

2. Double-click the particular release code to open that release code in detailed screen.

Figure 2-10 Viewing Release in detailed screen

Release Master Summary

Release Code

Description

Release Code	Description	Release Type	Release Number	Base Release
FCUBS_12.0.2.CITI DE	FCUBS_12.0.2.CITI DE	KERNEL		FCUBS_12.0.1.6

Release Master

Release Detailed

Release Code *

Description

Release Type

Base Release

Environment

Remarks

Release SPC

Stream Name

Cluster Name

Custom Name

Release Stage

Application Name

☐ Migrate Test Case Data
From Base Release

Modification Number

Release Status

Maker Id

Maker Date Stamp

3

Environment

This topic explains the Environment options in the Development Administration.

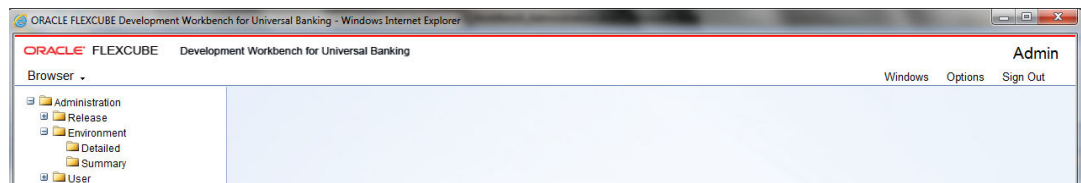
Workbench requires at least one environment for each release and the below environment details need to be maintained. Multiple environments can be mapped to a single release. For instance, different environments can be maintained for different stages of the same release i.e., development, testing etc., Note that Workbench can interact with multiple FLEXCUBE links. Each environment corresponds to a FLEXCUBE environment.

1. Expand the **Environment** node under **Administration**.

The user will find below options within:

- **Environment Detailed**
- **Environment Summary**

Figure 3-1 The Options under Environment



2. Click **Detailed** option of Environment. Click **New** button.

All environment fields are enabled.

Figure 3-2 Environment Master

The screenshot shows the 'Environment Master' application window. It has a title bar with standard window controls. The main area is divided into four sections: 'Environment Details', 'Application Details', 'JNDI name', and 'Database Details'. Each section contains several text input fields. 'Environment Details' includes Environment Code, Release Code, Language Code, and Description. 'Application Details' includes Application URL, Application IP Address, Application Name, Application OS (a dropdown menu with 'Unix' selected), Application Transfer Type (a dropdown menu with 'File Manager' selected), JS Directory Path, UI XML Directory Path, Server User Name, Server Password, Server Filemanager URL, File Manager User Name, and File Manager Password. 'JNDI name' includes JNDI Name. 'Database Details' includes Database Instance, Database Port, Database IP Address, Database Host Name, Database Name, and Database Password. At the bottom, there are three fields: Modification Number, Maker Id, and Maker Date Stamp. A 'Test Environment' button is located below the Application Details section. A 'Close' button is in the bottom right corner.

- [Environment Detailed](#)
This topic provides the instructions to create an Environment.
- [Environment Summary](#)
This topic provides information on Environment Summary screen.

3.1 Environment Detailed

This topic provides the instructions to create an Environment.

1. Click **Detailed** option of Environment.
The **Environment Master** screen is displayed.

Figure 3-3 Environment Master

The screenshot shows the 'Environment Master' application window. It is divided into two main sections: 'Environment Details' and 'Application Details'. The 'Environment Details' section includes fields for Environment Code, Release Code, Language Code, Description, JNDI Name, Database Instance, Database Port, Database IP Address, Database Host Name, Database Name, and Database Password. The 'Application Details' section includes fields for Application URL, Application IP Address, Application Name, Application OS (a dropdown menu), Application Transfer Type (a dropdown menu), JS Directory Path, UI XML Directory Path, Server User Name, Server Password, Server Filemanager URL, File Manager User Name, and File Manager Password. There are buttons for 'Test Environment', 'Close', and a status bar with 'Modification Number', 'Maker Id', and 'Maker Date Stamp'.

- On the **Environment Master** screen, specify the fields.
For more information on fields, refer to the field description below.

Table 3-1 Environment Detailed - Field Description

Fields	Descriptions
Environment Code	This is 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	This is 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	It is an information field. It gives meaningful description to the environment code.

Table 3-1 (Cont.) Environment Detailed - Field Description

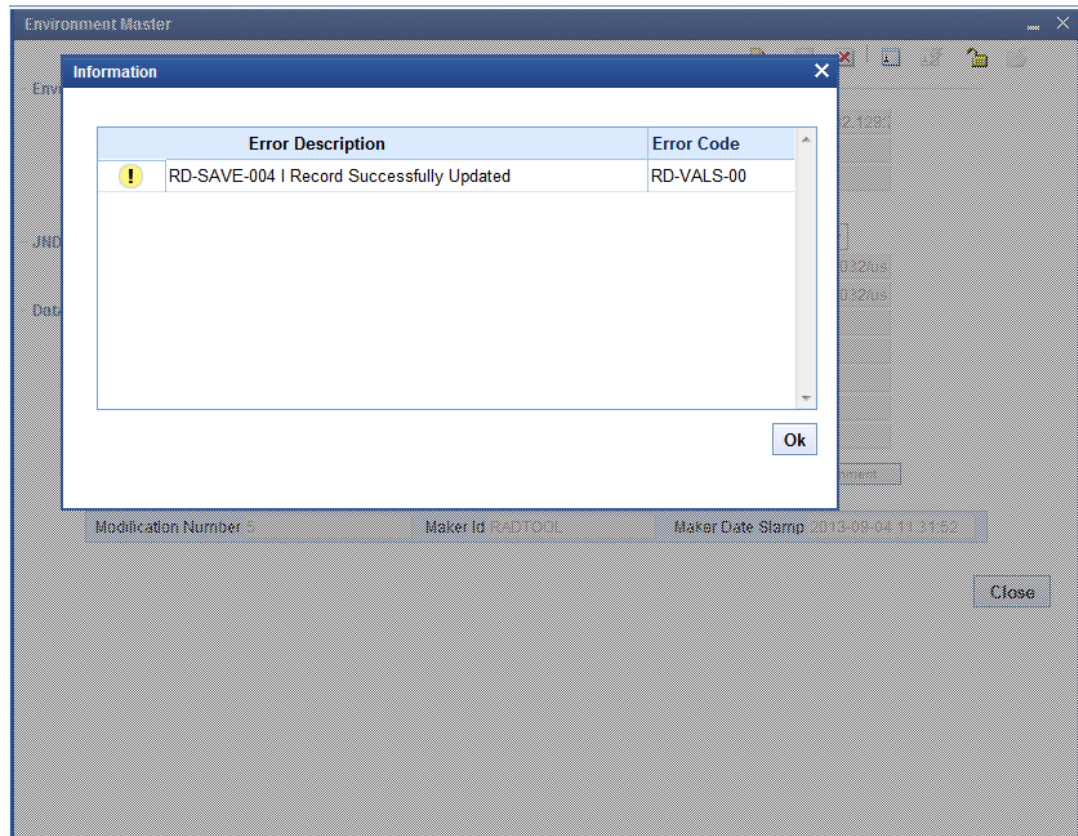
Fields	Descriptions
JNDI Name	Enter valid jndi name. This is mandatory. It should match with jndi name used while creation of Data Source for FLEXCUBE in app server. It's case sensitive. Connection to the FLEXCUBE schema is established from Workbench using the JNDI name maintained in environment definition. If JNDI name does not match, data base connection to FLEXCUBE schema won't happen. For instance: If server is Apache Tomcat, JNDI provided in environment creation should match with jndi provided in server.xml and context.xml. If server is web logic, JNDI provided in environment creation should match with jndi of the data source created. 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, Provider URL value has to be provided during installation. A new data source will be added to the JNDI context using the Data Base details provided while creating 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. Note that this feature won't be available if the JNDI context is read only. Example : Apache tomcat Server.
DataBase Details	The FLEXCUBE database server details of the environment can be provided here. These are information fields. Data base connection is achieved through jndi maintained and not with help of data provided in these fields unless dynamic registering of Data Source feature is available.
DataBase Instance	Enter the valid DataBase instance name.
DataBase Port	Enter dataBase port number.
DataBase IP Address	Enter dataBase IP address.
DataBase Host Name	Enter host name or IP address of dataBase.
DataBase Name	Enter schema name.
DataBase Password	Enter schema password. If dynamic registering of Data Source feature is not available then the following has to be taken care • If the password of FLEXCUBE schema is changed, merely changing the password in the Workbench environment wouldn't be of any help. Developer will have to update the data source in the server with the latest credentials. • If jndi of the data source is changed, Application server has also to be updated with the same
Application Details	The FLEXCUBE Application details can be provided here.
Application URL	Enter valid FLEXCUBE url. This will be launched from Workbench.
Application IP Address	Enter application IP address.
Application Name	Enter application name. This is an information field.
Application Operating System	Select on which operating system FLEXCUBE is running. Two options are provided. They are • windows • UNIX

Table 3-1 (Cont.) Environment Detailed - Field Description

Fields	Descriptions
Application transfer Type	If user requires Deploy option (Check the document 05-Development_WorkBench_Screen_Development-II.pdf to get more details about deploy option), file transfer type has to be selected. File Transfer type depends on the operating system of application server in which FLEXCUBE is hosted. - Windows: File manager/File Copy - UNIX: File Manager - File Copy: Directly copies files into specified location. - File Manager: It is a Servlet (please check the File manager section in appendix to get more details) running in app server where FLEXCUBE is deployed. This Servlet has to be deployed in the same server where FLEXCUBE is hosted for copying files from Workbench server. This has to be selected if operating system is UNIX. Refer Appendix section on further details on File Manager.
JS Directory Path	Enter shared path of JavaScript files in 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. 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, at the end, in the path provided. Make sure whether the write permission is provided on this folder.
UIXML Directory Path	Enter shared path of UIXML (language xml) files. 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. 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, at 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 has to be provided mandatorily.
Server User Name	Enter application server user name.
Server Password	Enter application server password.
File Manager URL	Enter file manager url as shown below. Format: http://<ipaddress>:<portnumber>/FileManager/FileManageServlet Example: http://10.184.74.143:7755/FileManager/FileManageServlet
File Manager User Name	Enter user name. This is an optional field.
File Manager Password	Enter password. This is an optional field.

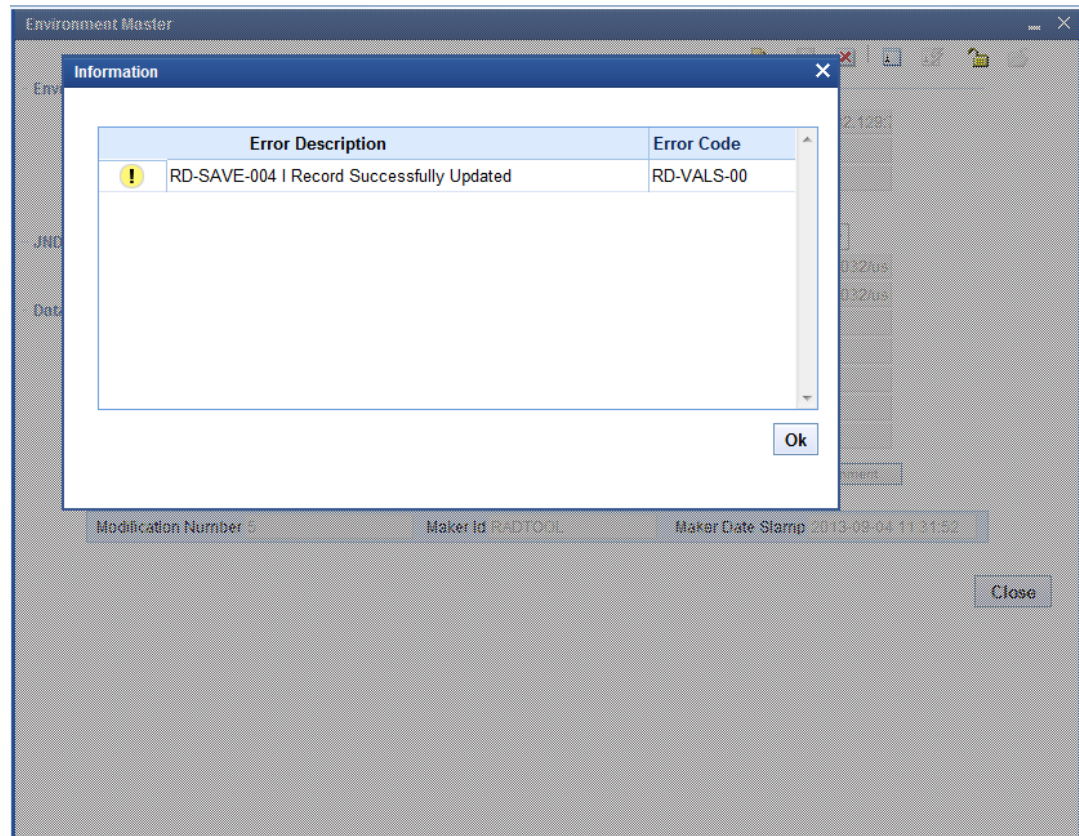
- Once an environment is created, the user must save the environment.

Figure 3-4 Saving Environment details



4. User can modify the existing environment details. Click on detailed node of environment list and click the **Enter Query** button.
Environment code fields will get enabled.
5. When **Environment Code** field gets enabled, enter environment code either directly if known already or select from provided list of values.
6. Click **Unlock** button and modify required fields and click **Save**.

Figure 3-5 Save Environment details



3.2 Environment Summary

This topic provides information on Environment Summary screen.

1. Click the **Execute Query** button to display all available environments in grid view.
This screen will be used to get details of all environments which already exist in the Workbench.
2. Double-click the particular environment code to open that environment code in detailed screen.

Figure 3-6 Environment Summary

Environment Code

Language Code

Environment name

Database Name

Release Code

Database Instance

Search

Reset

	Environment Code	Environment Name	Release Code	Language Code	Database Instance
☐	FCUBS_12.0.2_FCDEV	FCUBS_12.0.2_FCDEV	FCUBS_12.0.2	ENG	KD12NEW
☐	FCUBS_12.0.2_FC120:		FCUBS_12.0.2	ENG	KD12NEW
☐	FCUBS_12.0.2_FCUBS		FCUBS_12.0.2	ENG	FC122MAT
☐	FCUBS_12.0.2_ENV1	Environment For Mallik	FCUBS_12.0.2	ENG	FCUBSUPP
☐	FCUBSDEV1202_DEV		FCUBS_12.0.2	ENG	FCUBSDEV
☐	DEFAULT	DEFAULT	DEFAULT	ENG	1
☐	FCUBS_12.0.2_DEV12	12.0.2 DEV	FCUBS_12.0.2	ENG	FCUBSDEV
☐	FCUBS_12.2_MODELB	FCUBS_12.2_MODELB	FCUBS_12.2_MODELB	ENG	ORCL
☐	FCUBS_12.0.2_FC12D	FCUBS_12.0.2_FC12D	FCUBS_12.0.2	ENG	KERDEV3
☐	FCUBS_12.0.2_FC120:	FCUBS_12.0.2_FC120:	FCUBS_12.0.2	ENG	CPU11G2

Close

4

User

This topic explains the User options in the Development Administration.

1. User screen is used for creating new user for Workbench. Only Administrator or Release Administrator can create new users.

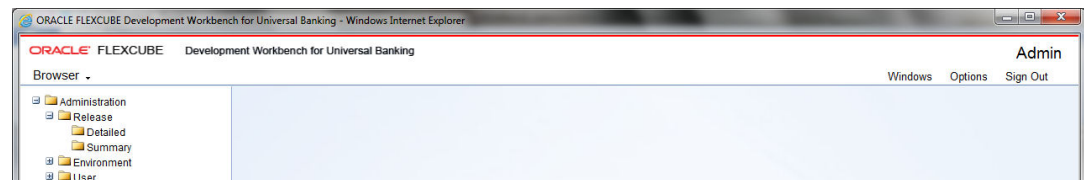
Releases can be attached to the particular user and roles for the user on the attached release code can also be maintained.

2. Expand the **User** node under **Administration**.

The user will find below options inside,

- **User Detailed**
- **User Summary**

Figure 4-1 User Options



- [User Detailed](#)
This topic provides the instructions to create a User.
- [User Summary](#)
This topic provides information on User Summary screen.

4.1 User Detailed

This topic provides the instructions to create a User.

1. Click **Detailed** option of User.
The **User Definition** screen is displayed.

Figure 4-2 User Detailed Screen

The screenshot shows the 'User Definition' window. It has a title bar with standard window controls. The main area is divided into two sections. The left section, titled 'User Details', contains five input fields: 'User ID *', 'User Name', 'User Password', 'Default Release', and 'Default Environment'. The right section contains configuration options: 'Save Format' (a dropdown menu set to 'Zip'), 'Work Directory' (a text input field), 'Excel format' (a dropdown menu set to 'XLS'), and two checkboxes, 'XML Formatting' and 'LDAP Authentication', both of which are currently unchecked. Below these sections is a large table with two columns, 'Release Code' and 'User Role'. The table has a header row and several empty rows below it. At the bottom of the window, there are three input fields: 'Modification Number', 'Maker Id', and 'Maker Date Stamp'. A 'Close' button is located in the bottom right corner.

2. On the **User Definition** screen, specify the fields.
For more information on fields, refer to the field description below.

Table 4-1 User Detailed - Field Description

Fields	Descriptions
User ID	This is the unique ID given to each user, used to login into Workbench.
User Name	This is the name of the user.
User Password	The password which the user has to enter to login to Workbench.
Default Release	Select Release code from the List of values. This will be the release to which the user will be mapped on to login the tool. If user is mapped to more than one release, user can switch between the releases using user preferences screen.
Default Environment	Select the corresponding environment code created for the selected default release. If not selected, user can set environment in user preferences screen after logging in.

Table 4-1 (Cont.) User Detailed - Field Description

Fields	Descriptions
Save Format	User can access the generated files in one of the following modes a. Zip: Files will be zipped and downloaded from the server to the client. This is the default save format. b. 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 user can pick it up. c. Client Path: For ease of use for users of older versions, the earlier mode has also been retained. Here user has to provide 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. User can specify default directory where all his work should be saved. This field is applicable only if 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 value is specified as CURRENT_DIRECTORY, generated files will be saved to location path specified at the design screen level.
Excel Format	This field defines the default extension of the excel files generated from the tool. The supported formats are .XLS and .XLSX.
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 a LDAP. Password need not to be specified in this case. LDAP properties has to be specified in the odt.properties file for availing this feature. Sample LDAP Properties LDAPSSLEn = N LDAP_DOMAIN=MODELBANK.COM LDAP_SERVER_URL=ldap://10.184.xx.xx.389

3. Create a new User using **RADTOOL** user.

After adding one user as Release Administrator, using same user we can create as many users as required.

 Note:

Use RADTOOL user to create only one user with role as Release Administrator.

Figure 4-3 Creating New User

User Definition

User Details

User ID *

DEMOUSER

User Name

DEMOUSER

User Password

••••••••

Default Release

FCUBS_12.0.2

Default Environment

FCUBSDEV1202_DEV

Save Format

Zip

Work Directory

Excel format

XLS

☐XML Formatting

☐LDAP Authentication

Release Code

User Role

FCUBS_12.0.2

Developer

Modification Number

2

Maker Id

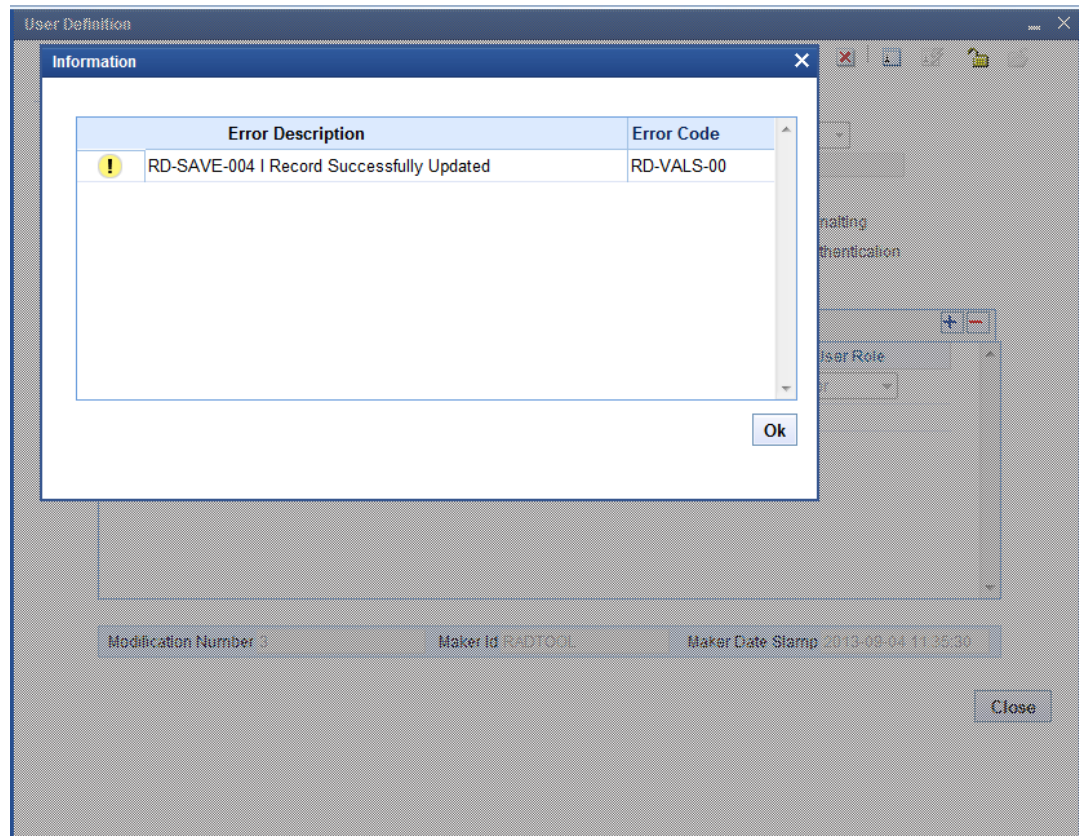
DEMOUSER

Maker Date Stamp

2013-09-03 16:15:45

Close

4. The user must save the user details once a user is created.

Figure 4-4 Saving New User

5. User can modify by launching detailed user creation screen. Click the **Enter Query** button.
 6. Enter the user id and click the **Execute Query** button.
- All user details are displayed. Except User Id, all other fields can be modified.

Figure 4-5 Modify User

The screenshot shows the 'User Definition' window with the following fields and options:

- User Details:**
 - User ID: DEMOUSER
 - User Name: DEMOUSER
 - User Password: [Masked]
 - Default Release: FCUBS_12.0.2
 - Default Environment: FCUBSDEV1202_DEV
- Save Format:** Zip
- Work Directory:** [Empty]
- Excel format:** XLS
- ☐ XML Formatting
- ☐ LDAP Authentication

Release Code	User Role
FCUBS_12.0.2	Developer
FCUBS_12.0.2.CITI_DEV	Release Admin

At the bottom, there are fields for:

- Modification Number: 3
- Maker Id: RADTOOL
- Maker Date Stamp: 2013-09-04 11:35:30

A 'Close' button is located at the bottom right.

- [User Releases](#)
This topic provides information on User Releases.
- [Release Administrator](#)
This topic provides information on Release Administrator.
- [Developer](#)
This topic provides information on Developer.
- [TCM User](#)
This topic provides information on TCM User.
- [Vercon](#)
This topic provides information on Vercon.

4.1.1 User Releases

This topic provides information on User Releases.

Single user can be mapped to many releases. Ensure that the selected default release is available here. The user role should be specified along with release code.

The tool has below user roles for controlling the access rights

- Release Administrator
- Developer
- TCM User
- VERCON

User will be allowed to perform various tasks based on the role assigned to the user. Same user can have different role for different releases.

4.1.2 Release Administrator

This topic provides information on Release Administrator.

- This role is meant for project leaders and team leaders and allow 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

4.1.3 Developer

This topic provides information on 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.

4.1.4 TCM User

This topic provides information on TCM User.

- This role is for meant for users of TCM. Users mapped with this role would be able to access only the TCM screens through the console.
- User will also be able to switch between the releases and environments using the **User Preferences** option.

4.1.5 Vercon

This topic provides information on Vercon.

- This Role is for meant for Vercon Team. Users mapped with this role would be able to access only the bulk gen operation through the console.
- User will also be able to switch between the releases and environments using the **User Preferences** option.

4.2 User Summary

This topic provides information on User Summary screen.

1. Click the **Execute Query** button to display all available users in grid view.
This screen will be used to get details of all users which already exist in Workbench.
2. Double-click the particular user details to open that user in detailed screen.

Figure 4-6 User Summary

The screenshot shows a web application window titled "User Summary". At the top, there is a search bar with the text "User ID * DEMOUSER" and a dropdown arrow. To the right of the search bar are two buttons: "Search" and "Reset". Below the search bar is a table with three columns: "User Id", "User Name", and "Default Release". The table has one row with the values "DEMOUSER", "DEMOUSER", and "FCUBS_12.0.2". The table is scrollable, and the bottom of the table is visible. At the bottom right of the window is a "Close" button.

User Id	User Name	Default Release
DEMOUSER	DEMOUSER	FCUBS_12.0.2

5

Key Points

This topic provides information on Key Points.

Below points are to be considered on deveopment workbench,

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

6

Appendix

This topic provides information on 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

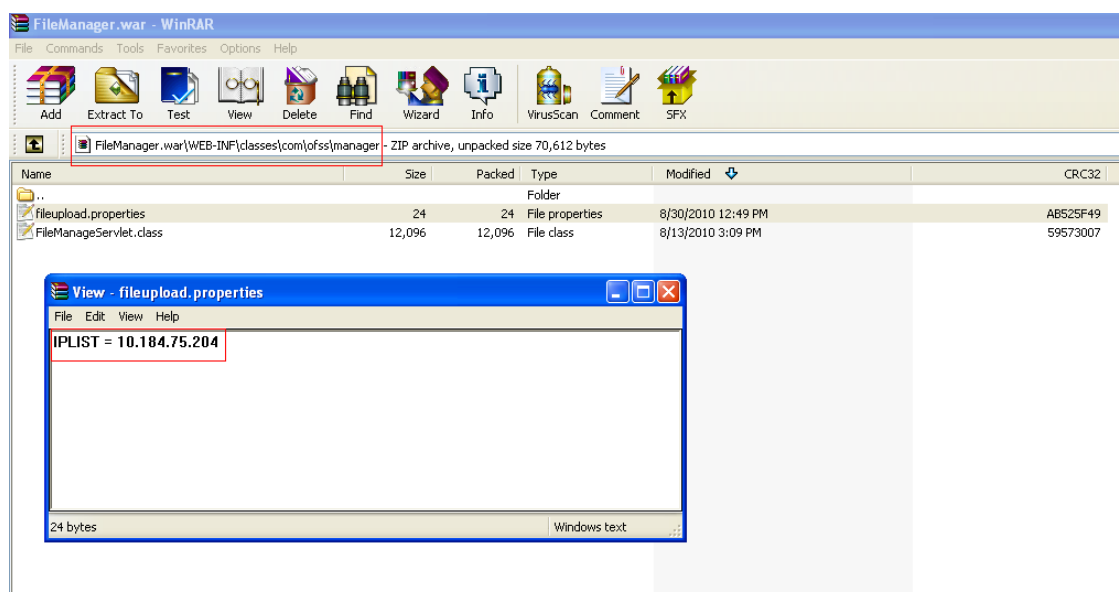
File Manager has to be deployed in the server hosting FLEXCUBE (for which environment is created in Workbench). IP address of the Workbench server has to be mentioned in the property file of File Manager.

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 case of servers in cluster), multiple IP address can be provided separated by semi colon.

Figure 6-1 fileupload.properties



After modifying the property file, 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 as shown in the figure.

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

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

Figure 6-2 File Manager URL

The screenshot shows the 'Environment Master' application window with the following configuration details:

Environment Details	Application Details
Environment Code * FCUBS_12.0.2_DEV12	Application URL https://10.184.132.129.7
Release Code * FCUBS_12.0.2	Application IP Address 10.184.132.129
Language Code * ENG	Application Name FCUBS 12.0.2
Description 12.0.2 DEV	Application OS Unix
JNDI name	Application Transfer Type File Manager
JNDI Name * jdbc/DEV1202	JS Directory Path /scratch/app/w1032/usi
Database Details	UI XML Directory Path /scratch/app/w1032/usi
Database Instance FCUBSDEV	Server User Name tpani
Database Port 1521	Server Password
Database IP Address 10.184.132.131	Server Filemanager URL https://10.184.132.129.7
Database Host Name 10.184.132.131	File Manager User Name
Database Name DEV1202	File Manager Password
Database Password	

At the bottom of the window, there is a 'Test Environment' button and a 'Close' button. The status bar shows: Modification Number 5, Maker Id RADTOOL, and Maker Date Stamp 2013-09-04 11:31:52.