Oracle® Banking Treasury Management
Test Case Management

Release 14.7.6.0.0

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Oracle Banking Treasury Management Test Case Management, Release 14.7.6.0.0

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Preface

This document describes the steps to develop the notification XML and notification trigger using Oracle FLEXCUBE Development Workbench.

- Purpose
- Audience
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- Diversity and Inclusion
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- Screenshot Disclaimer

Purpose

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

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.

Documentation Accessibility

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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:

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.

1
Introduction

This topic provide the list sub-topics in this test case management document.

2

Overview of Test Case Management

This topic provides an overview of Test Case Management.

This tool (provided as part of Developer Workbench) can save Test plans and execute the test cases. This is very helpful for a Testing team, where they need not do maintenance for every release. Users can execute the Run Charts & proceed with transactions.

FLEXCUBE Universal Banking Maintenance/Online Screens Test Cases into the database by uploading them in Excel sheets to the TCM tool. These Test Cases can be logically grouped to build a Run Chart to run all test cases with a single operation. The test Case Management system is designed to automate the ITRs within each release. This tool reduces a lot of time and effort for the Testing team.

The below sections explain the common administrative features of Development Workbench.

Refer to the below table for the functions of Development Workbench Admin User, Release Admin User and TCM user

Table 2-1   Types of Admin Users

Admin User	Function
Development Workbench Admin User	The main functions of Development Workbench Admin User are: • Creating a new release • Creating Release admin for the specific release
Release Admin User	The main functions of Release Admin User are: • **Creating User ID's**
TCM User	The main functions of TCM User are: • **Block Detail Upload** • **Test Case Definition** • **Test Case Upload** • **Create Request** • **Test Case Execution** • **Run chart Definition** • **Run Chart Execution**

3

Features of Development Workbench

This topic explains the systematic instructions about the features of the development workbench.

In the development workbench, refer to the following features.

- Login Screen
- Homepage
- Browser
- Windows
- Options
- Sign Out
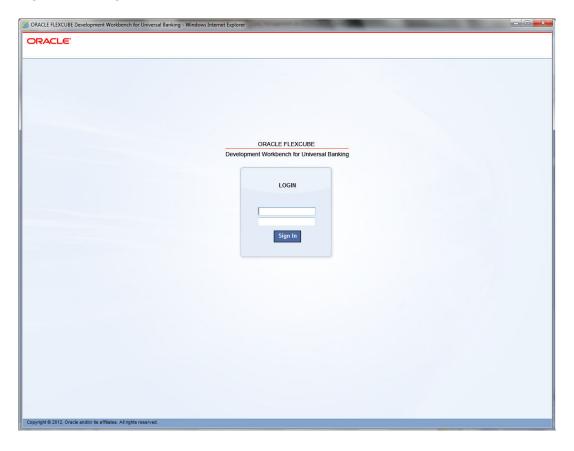
Each function is explained in the below steps.

1. Launch the Development Workbench application from the start menu.

   Only the Release Admin has the rights to create new Users. Development Workbench Admin creates a new release and assign one user as a Release admin for that release.

   The **Development Workbench Login** screen displays.

   Figure 3-1   Login Screen
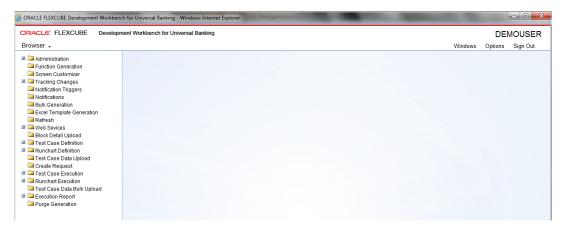
> **✎ Note:**
>
> User should make sure that the same User ID is created in FLEXCUBE.

2. Specify the **User ID**, **Password** and click on **Sign In**.
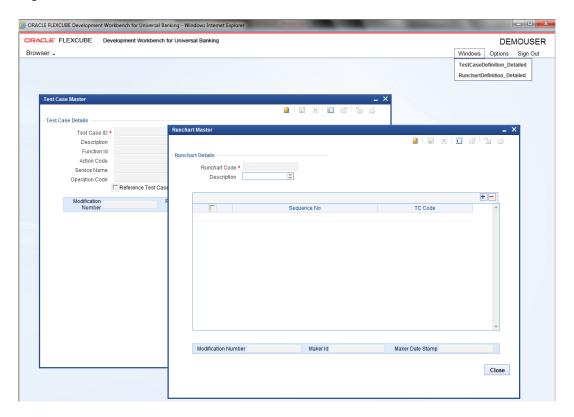
   The **Development Workbench Homescreen** is display.

   Figure 3-2   Homescreen

3. On the **Homescreen**, to view the menu, click on **Browser**.

4. To swap the open windows in the application on the **Homescreen**, click on **Windows**.

   The **Windows** screens displays.

   Figure 3-3   Windows
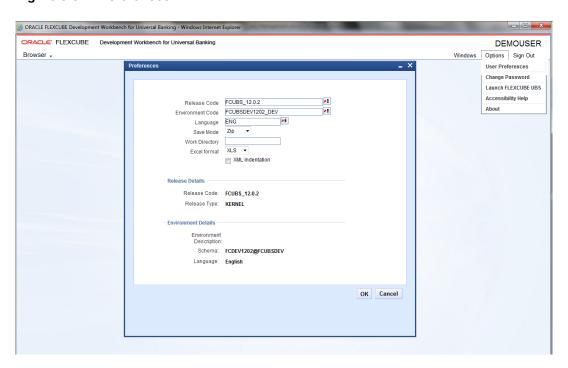
5. On the **Homescreen**, to view the available options, click on **Options**. The available options are:

   a. User Preferences

   b. Change Password

   c. Launch FLEXCUBE UBS

   d. Accessibility Help

   e. About

Figure 3-4   Options

6. To launch the FCUBS application, click on **Launch FLEXCUBE UBS** under **Options**.

   The FCUBS link is given at the time of Release creation which can be modified at any release stage by the release Admin.

7. To launch the User Preferences, click on **User Preferences** under **Options**.

   The **Preferences** screen displays.

Figure 3-5   Preferences

8. The Preferences screen displays the current user release & schema details. To switch between releases and environments, click the **User Preferences** option.

9. Click **Choose** next to Release code and Environment code. The user can view the releases and the corresponding environments and map accordingly.

10. Click **OK**.

    Preferences screen is closed.

11. To change the password, click **Change Password** option under **Options**.

    The **Change Password** pop-up window displays.

Figure 3-6   Change Password

12. On the **Change Password** pop-up window, specify the fields.

    For more information on fields, refer to the field description table.

Table 3-1   Change Password

Field	Description
Old Password	Specify the existing password.
New Password	Specify the New Password.
Confirm Password	Re-enter the New Password.

13. Click **OK**.

    The **Password** is changed.

14. To Sign Out of TCM, click on **Sign Out**.

    The **Login** page displays.

4

Block Detail Upload
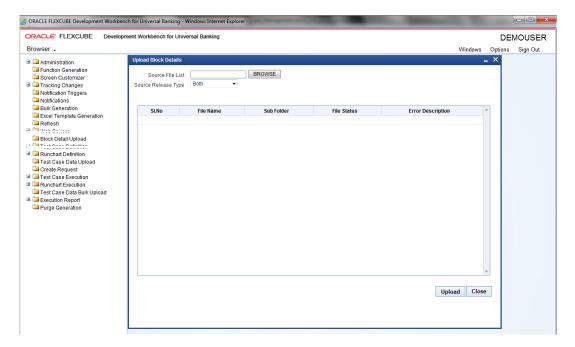
This topic explains the systematic instructions to upload block details. This screen helps users extract the details from the function Ids _RAD.xml files.

the Upload Block Details screen helps users extract the details from the function Ids _RAD.xml files.

1. On the **Homescreen** under the **Browser**, click on **Block Detail Upload**.

   The **Upload Block Details** screen is displayed.
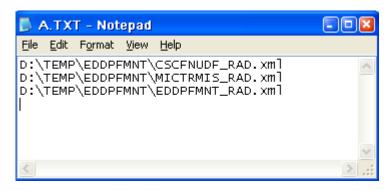
   Figure 4-1   Upload Block Details

2. On the **Upload Block Details** screen, to upload the **Source File List**, click on **Browse**.

3. Select the text file and click **Open**.

   The text file contains a list of RAD XML's that must be extracted and prepared along with its call forms. The text file contains the location of the RAD XML.

Figure 4-2   Text File

4. Specify the **Source Release Type** as Both from the drop-down list.

5. Click **Upload**.

> **Note:**
>
> To generate a text file that contains a list of RADXML files, the user has to follow these steps:
>
> • Command Prompt > Specific folder where RADXMLS are stored >
>
> • `DIR /B /S >Files.txt`

> **Note:**
>
> Block detail information needs to be re-generated every time there is a change in the source.

The Call form has to be placed above the main function id in the source file list

Bulk Details are uploaded.

5
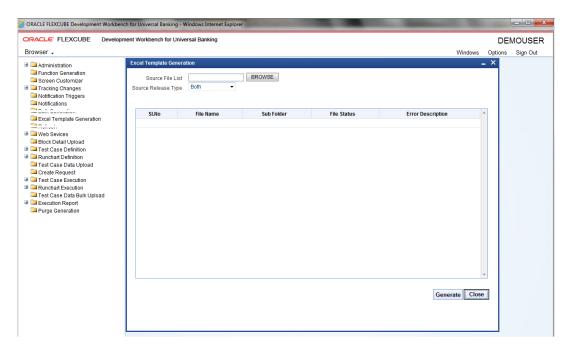
Excel Template Generation

This topic explains systematic instructions to generate Excel Template.

1. On the **Homescreen** under the **Browser**, click on **Excel template Generation**.

   The **Excel template Generation** screen is displayed.

   Figure 5-1   Excel Template Generation

2. On the **Excel Template Generation** screen, to upload the **Source File List**, click **Browse**.

3. Select the text file and click **Open**.

4. Specify the **Source Release Type** as Both from the drop-down list.

5. Click **Generate**.

   > ✎ **Note:**
   >
   > The Excel template needs to be re-generated every time there is a change in the source after uploading the new block details.

6
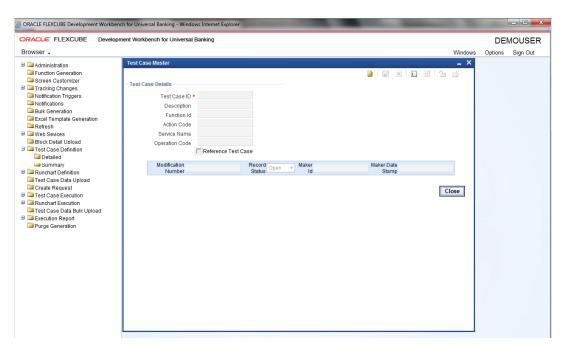
Test Case Definition

This topic explains the systematic instructions to define the test case.

1. On the **Home Screen**, under **Browser**, expand **Test Case Definition** and click on **Detailed**.

   Test Case Master screen is displayed.
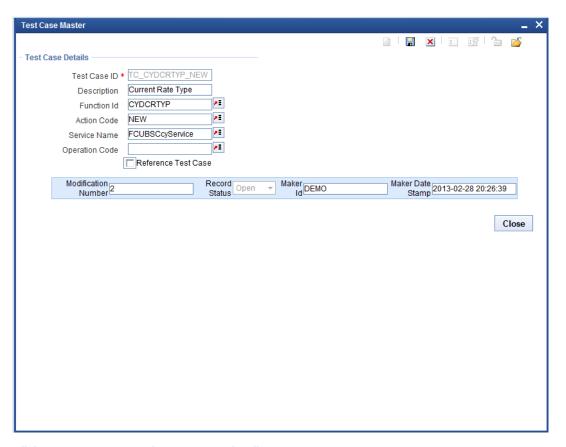
   Figure 6-1   Test Case Master

2. On the **Test Case Master** screen, to create new test case click the first command.

   Test Case Master screen is displayed.

Figure 6-2   New Test Case

3. Click on **Save**, to save the test case details.

4. To query the data, click on the fourth command **(add icon)**

5. To get the queried data, click on the fifth command. **(add icon)**

> ✎ **Note:**
>
> Function Id and Action code combination is used to take care of FCUBS requests, while Service Name and Operation Code is used to take care of Web Services requests.

6. Click on **Close** button.

   Test Case Master screen is closed.

7. On the **Home Screen**, under **Browser**, expand **Test Case Definition** and click on **Summary**.

   Test Case Master Summary screen is displayed.

Figure 6-3   Test Case Master Summary

8. On the **Test Case Master Summary** screen, by default the system displays the available test cases.

9. To search for a specific test case, specify the fields on the **Test Case Master Summary** screen.

   For more information on fields, refer to the field description table.

Table 6-1   Test Case Master Summary

Field	Description
Test Case Id	Specify the **Test Case Id** or click the choose option. The system displays the available Test Case ID's in the system.
Description	Specify the description.
Function ID	Specify the **Function ID** or click the choose option. The system displays the available **Function ID's** in the system.
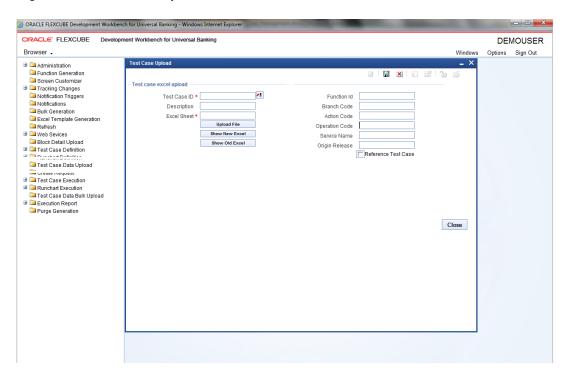
10. After specifying any of the fields, click **Search** to view the test case.

7

Test Case Upload

This topic explains the systematic instructions to upload the excel template along with data.
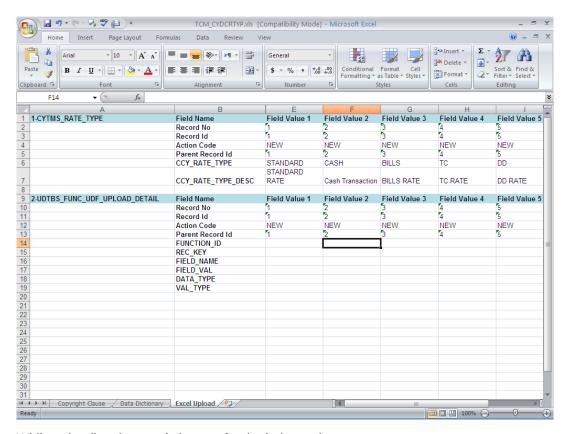
1. On **Homescreen**, under **Browser**, click on **Test Case Data Upload**.

   The **Test Case Upload** screen displays.

   Figure 7-1   Test Case Upload
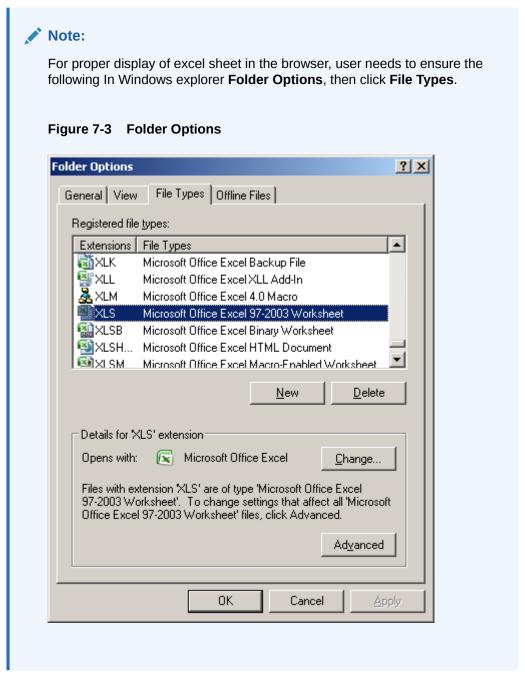
2. On the **Test Case Upload** screen, click the choose button **(add icon)** and select the **Test Case ID**.

3. By default, the system displays the following fields.

   a. **Description**

   b. **Function ID**

   c. **Branch Code**

   d. **Action Code**

   e. **Service Name**

   f. **Original Release**

   g. **Operation Code (If applicable)**

4. Click on **Upload Excel** button, to upload the excel template.

Figure 7-2   TCM Excel Sheet
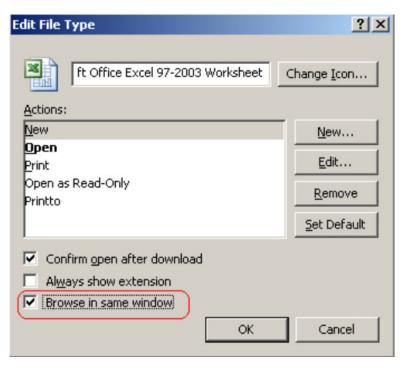
5. While uploading the excel sheet, refer the below points.

   a. The Parent Record Id in the Master Data block's sheet should be null.

   b. The Parent Record Id in Non-Master Blocks should not be null.

   c. All data needs to be input into the sheet as String only. I.e., for Date and Number fields, they need to be input with an apostrophe before the value. E.g. 2010/02/02 or 9087 etc

   d. Excel sheet should be 2003 version (File extension name should be .xls)

> **✎ Note:**
>
> For proper display of excel sheet in the browser, user needs to ensure the following In Windows explorer **Folder Options**, then click **File Types**.

Figure 7-3   Folder Options

e.   To browse in same window, select the extension, click on **Advanced** and select the **Browse In same window** checkbox.

Edit File Type window is displayed.

Figure 7-4   Edit File Type

f. Click **OK**.

Edit File Type window is closed.

g. Click **OK** on the **Folder Options** window.

6. On the **Test Case Upload** screen, to save the test case upload details, click on **Save**. **(Add icon)**

If multiple columns are there in the Excel sheet, TCM will create multiple Test Cases.

TEST CASE: COUNTRY_CODES

If the user uploads data with two columns for INDIA & USA, The system creates two test cases as:

•   **COUNTRY_CODES_01** (this TC to create country - INDIA)

•   **COUNTRY_CODES-02** (this TC to create country - USA)

8

Test Case Execution

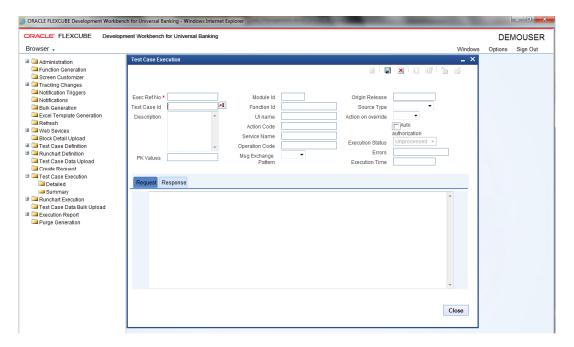This topic explains the systematic instructions to execute the uploaded Test Case.

1. On the **Home Screen**, under **Browser**, expand **Test Case Execution** and click on **Detailed.**

   Test Case Execution screen is displayed.

   Figure 8-1   Test Case Execution

2. On the **Test Case Execution** screen, specify the fields.

   For more information on fields, refer to the field description table.

   Table 8-1   Test Case Execution

Field	Description
Exec Ref No	Enter the Exec reference number.
Test Case ID	Each execution generates a unique reference number, which is used later for viewing the status of the execution.
Description	Displays the Test Case ID description.
Source Type	Select the source type from the drop-down. It can be FLEXCUBE or Web Services, depending on whether the execution is done from FLEXCUBE or an external System.
Action on override	Users can select the applicable value from the drop-down. If overrides occur for a function id, the user can ignore those overrides or stop the execution and give an Error status.

Table 8-1   (Cont.) Test Case Execution

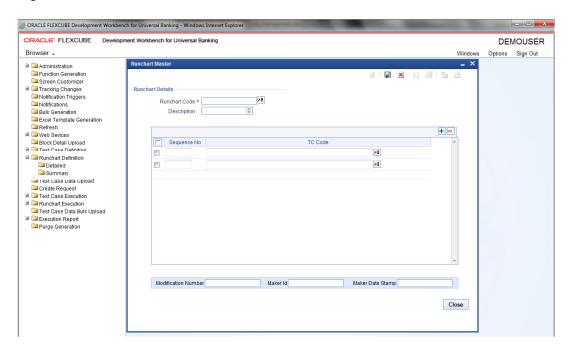| Field	Description
Auto Authorization	On selecting this check box, the executed records will be authorized records.
Execution Status	Displays if the record is executed successfully or not.

9
Run Chart Master

This topic explains the systematic instructions to add multiple test cases and make a single Run Chart to execute at

1. On the **Home Screen**, under **Browser**, expand **Runchart Definition** and click on **Detailed.**

   Runchart Master screen is displayed.

   Figure 9-1   Runchart Master

2. On the **Runchart Master** screen, specify the fields

   For more information on fields, refer to the field description table.

   Table 9-1   Runchart Master

Field	Description
Runchart Code	Displays the **Runchart Code**.
Description	Displays the description.
Sequence No	Enter the Sequnce number and its mandatory In this screen user can add multiple test cases and make a single Run Chart to execute at one shot.

3. Click **Summary** in the left menu under **Runchart Definition**.

   The **Runchart Master Summary** screen is displayed.

Figure 9-2   Runchart Master Summary

4. Click **Runchart Execution** in the left menu and click **Detailed** under **Runchart Execution**. User can execute the Run Chart in this screen. If user doesn't want execute with auto auth, user can uncheck the check box.
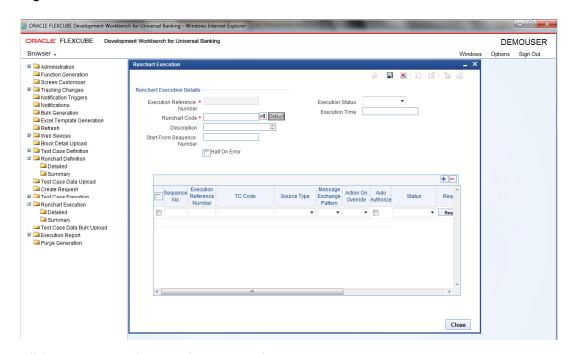
   Once Run Chart is executed user can see the status in the screen itself. Request: User can check request which has been received by TCM Response: User can check the TCM response for the request on clicking this command button. In this screen user can find the status of the execution of individual test case and the reason for failure.

   > **Note:**
   >
   > User can generate around 20 test-cases at a time.

   The **Runchart Execution** is displayed.
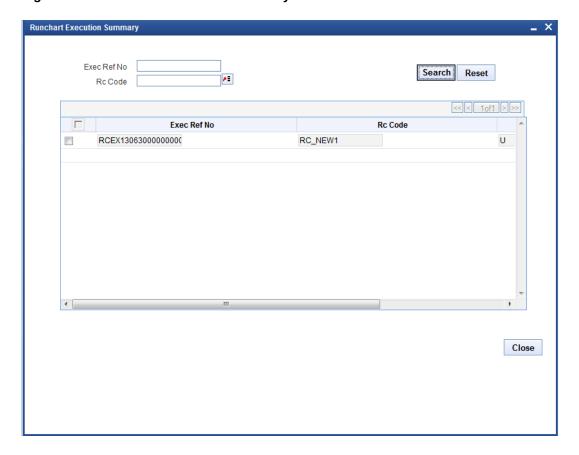
Figure 9-3   Runchart Execution

5. Click **Summary** under **Runchart Execution**.

    The **Runchart Execution Summary** screen is displayed.

Figure 9-4   Runchart Execution Summary

10
Derivation

The topic provides information about derivation.

When the input for a test case depends on the output of another test case, the application facilitates using derivation to link the input to the output of another test case.

```
D:TESTCASENAME:BLOCKNAME:FIELDNAME
```
Example : `D:TC_FXDTRONL_NEW_CONTRACT_FSC2:BLK_CONTRACT_MASTER:CONTREFNNO`

11
Migration of Data using TCM Tool

This topic explains the systematic instructions to migrate data using the TCM tool.

To achieve the migration of data from Release1 to Release2 refer to the below steps:

1. Export the data using the export to excel functionality in FCUBS.

2. Create test cases in TCM (having Release1 sources) for the function id and upload the excel sheet.

3. Create Run Chart if required to sequence the execution of the Test Cases.

4. Upload the new RADXMLs of Release 2 using the Block Detail Upload functionality.

5. Modify the test cases where there are changes in the field definition. During modification, the excel sheet would show the new fields with blank values. The TCM tool also provides a facility to modify specific records/test cases only.

6. Run the test case/run chart as appropriate. On execution, the modified data gets updated in the database.

   To migrate the data between releases is subjected to the following conditions:

   a. If a screen is non -extensible in Release 1 and gets converted to an extensible screen in Release 2, then migration of data from Release 1 to Release2 is not possible through the TCM tool.

   b. If a non-extensible screen in Release 1 remains non-extensible in Release2, then data migration through TCM Tool is possible.

   c. If an extensible screen in Release 1 remains extensible in Release2, then migration of data through TCM Tool is possible.

> ✎ **Note:**
>
> If multiple releases are to be created in a single TCM schema, then the data from the base release can be migrated to the child release during the creation of the release.