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Advanced user tasks for creating file associations and test executions

A tester can perform only the following tasks from a Rational ClearQuest Client or Rational ClearQuest Client for Eclipse:

- Create file locations for test motivator files associated with test plan and test case records
- Create file locations for test scripts associated with a test case or configured test case record
- Associate iterations to a test plan, test case, or configured test case in a single operation
- Add configured test case records for all available configurations
- Order the list of configured test case records associated with a test suite record
- Execute a configured test case or test suite records
- View the test results for configured test case or test suite records
- Submit a defect associated with a test result
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Feedback

Guidelines for associating test motivator files or test script files

Rational ClearQuest Test Manager requires that the file path for any association to a test motivator file or test script must reference a Rational ClearQuest VOB location or a shared location (a UNC path or a SMB share). The following rules apply:

- When using a Rational ClearQuest Client or Rational ClearQuest Client for Eclipse on Windows platforms to reference a UNC path, the location must be a share at root level and the Test Management plug-in must have read/write access to the share.

In addition to support for UNC share locations, you can use Samba to create a SMB share and then map the SMB share to a drive letter in Windows.

- When using a Rational ClearQuest Client or Rational ClearQuest Client for Eclipse on Linux platforms, a shared location means a mounted SMB share. To mount a SMB share on Linux, use the mount command:

```
mount -t smbfs //machine-name/share_name mount_point -o username=user name[/domain]
```

Any SMB share mounted on a Linux machine can be used to create file locations. For example, if you have a file location named LinuxProject which references \\fileserv1\data\LinuxProject and if you have mounted \\fileserv1\data to the mount point /mnt/smbfs/fileserv1/data, Rational ClearQuest Test Manager recognizes the mount point and enables you to browse, associate files, and execute test scripts from the LinuxProject file location.

Similarly, if you did not have a file location created for the share, you could create a new file location and specify the path as /mnt/smbfs/fileserv1/data/LinuxProject and Rational ClearQuest Test Manager resolves this path to \\fileserv1\data\LinuxProject.

Note: Rational ClearQuest Test Manager does not support file associations to a NFS shared file system on a UNIX system.

Parent topic: [Advanced user tasks for creating file associations and test executions](#)

Feedback

Test motivator file references from Rational ClearQuest Test Manager

You can create test motivator file references for test plan and test case records. For example, a test motivator file may be a Word or Excel file that contains additional information about the specific test plan or test case.

To create references to test motivator files, you must create a file location that defines the path to the test motivator files. A new file location for a test motivator files can either be a UNC shared path or a location stored in a Rational ClearCase VOB.

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Feedback

Associating a test motivator file to a test plan

You must use a Rational ClearQuest Client or Rational ClearQuest Client for Eclipse to associate a test motivator file to a test plan record. Before you can associate a test motivator file:

- You must create a new file location using the New File Location Wizard from the Test Manager view.
- If the file location is stored in a Rational ClearCase VOB, you must use the ClearCase View Associations view to associate a Rational ClearCase view.

To associate an test motivator file to a test plan:

1. In the Rational ClearQuest Client or Rational ClearQuest Client for Eclipse, open the Test Manager view. On the **Planning** or **Execution** page, locate the test case record with which you want to associate a test motivator file and click **Associate Test Motivator File**.
2. From the Test Motivator File Association window:
 - a. If you are accessing a file location for a test motivator file that is stored in a Rational ClearCase VOB, click **View** to select an associated Rational ClearCase view.
 - b. Select an test motivator file.
3. Click **Finish**.

The **Test Motivator File** field on the **Main** page of the test plan record is updated with the path for the test motivator file.

For more information, see [Guidelines for associating test motivator files or test script files](#).

Parent topic: [Advanced user tasks for creating file associations and test executions](#)

Feedback

Associating a test motivator file to a test case

You must use a Rational ClearQuest Client or Rational ClearQuest Client for Eclipse to associate a test motivator file to a test case record. Before you can associate a test motivator file:

- You must create a new file location using the New File Location Wizard from the Test Manager view.
- If the file location is stored in a Rational ClearCase VOB, you must use the ClearCase View Associations view to associate a Rational ClearCase view.

To associate a test motivator file to a test case:

1. In the Rational ClearQuest Client or Rational ClearQuest Client for Eclipse, open the Test Manager view. On the **Planning** or **Execution** page, locate the test case record with which you want to make a test motivator file association and click **Associate Test Motivator File**.
2. From the Test Motivator File Association window:
 - a. If you are accessing a file location for a test motivator file that is stored in a Rational ClearCase VOB, click **View** to select an associated Rational ClearCase view.
 - b. Select an test motivator file.
3. Click **Finish**.

The **Test Motivator Files** list on the **Test Motivator** page of the test case record is updated with the path for the test motivator file.

For more information, see [Guidelines for associating test motivator files or test script files](#).

Parent topic: [Advanced user tasks for creating file associations and test executions](#)

Feedback

Opening a test motivator file from a test plan or test case record

After a test motivator file is associated with a test plan or test case record, you can open the test motivator file from that test plan or test case record.

To open a test motivator file:

1. Using a Rational ClearQuest Client or a Rational ClearQuest Client for Eclipse, open the Test Manager view. On the **Planning** or **Execution** page, locate the test plan or test case record where you want to open an associated test motivator file and click **Open Test Motivator File**.
2. If the file location for the test motivator file is in Rational ClearCase VOB, the Open Test Motivator window opens. Select an iteration and a Rational ClearCase view to use to access the test motivator file.
3. If an application is associated on your desktop for the file type of the test motivator file, the associated application displays the test motivator file.

If the test motivator file is in a Rational ClearCase VOB, the opened test motivator file is read-only. If the test motivator file needs to be modified, you must check out the file to make changes.

For more information, see [Associating a test motivator file to a test plan](#) and [Associating a test motivator file to a test case](#).

Parent topic: [Advanced user tasks for creating file associations and test executions](#)

Feedback

Test script execution from Rational ClearQuest Test Manager

You must use a Rational ClearQuest Client or Rational ClearQuest Client for Eclipse to execute a test script. When executing a test script from a configured test case or test suite record, the associated test script is executed as a single file. Rational ClearQuest Test Manager does not support the partial execution of a test script file.

If the Rational Test tool that you are using supports a reference to execute an external file from within a test script, Rational ClearQuest Test Manager supports this secondary execution. In this scenario, the test log file contains information for all files executed.

Note: If you are using Rational Functional Tester, you cannot execute test scripts in debug mode.

For more information, see [Executing a configured test case record](#) and [Executing a test suite record](#).

Parent topic: [Advanced user tasks for creating file associations and test executions](#)

Feedback

Associating a default test script to a test case record

You must use a Rational ClearQuest Client or Rational ClearQuest Client for Eclipse to associate a default test script to a test case record. Before you can associate a test script:

- You must create a new file location using the New File Location Wizard.
- If the file location is stored in a Rational ClearCase VOB, you must use the Rational ClearCase View Associations view to associate a Rational ClearCase view.

To associate a default test script to a test case:

1. In the Rational ClearQuest Client or the Rational ClearQuest Client for Eclipse, open the Test Manager view. On the **Planning** or **Execution** page, locate the test case record where you want to associate a test script and click **Associate Test Script**.
2. From the Test Script Association window:
 - a. Select a **Test Type**.
 - b. If you are accessing a test script location stored in a Rational ClearCase VOB, click the **View** list to select an associated Rational ClearCase view.
 - c. Select a test script file.
 - d. Click **Next**. If there are **Test Script Options** for the selected test script file, click in the **Name** and **Value** fields and type a name and value.
3. Click **Finish**.

The **Default Test Script** field on the **Execution** page of the test case record displays the associated test script.

For more information, see [Creating a file location](#).

Parent topic: [Advanced user tasks for creating file associations and test executions](#)

Feedback

Executing a configured test case record

You must use a Rational ClearQuest Client or Rational ClearQuest Client for Eclipse to execute a configured test case record.

When you execute a configured test case record:

- From a Rational ClearQuest Client for Eclipse, the execution of an associated test script is handled by the correct Rational Test tool (RPT, RMT, RFT) or Eclipse Test and Performance Tools Platform (TPTP) test tools based on the test type.
- From a Rational ClearQuest Client, you can execute only an associated test script for Rational Manual Tester (RMT).

Note: The appropriate Rational Test tool or Eclipse Test and Performance Tools Platform (TPTP) test tools must be installed on the machine where you execute the test script using the **Execute** menu action.

As the configured test case is executed, the Test Execution window displays execution status.

After the execution completes, you can review the test results using the **Execution** page of the Test Manager view or the Test Results view; you can commit the test results from either view.

For more information, see [Executing a configured test case record](#).

Parent topic: [Advanced user tasks for creating file associations and test executions](#)

Feedback

Canceling an execution

When you use a Rational ClearQuest Client or Rational ClearQuest Client for Eclipse to execute a configured test case or test suite record, you can cancel the execution.

Note: Canceling an execution does not roll back test results; canceling terminates a test script execution and no test results are displayed in the **Execution** page of the Test Manager view or Test Results view. After canceling an execution, you may need to perform a manual clean up of the file location where execution occurred.

To cancel an execution:

1. After execution starts, the Test Script Execution window opens. In the Test Script Execution window, click **Cancel**.
2. Complete the Rational ClearQuest Test Manager Task Cancellation window. You must define whether the cancellation applies to all execution tasks in the queue.
3. Click **OK**.

If you choose to not see the Rational ClearQuest Test Manager Task Cancellation window and want to change your option for task cancellation later, click **Windows > Preference** to define your preference.

For more information, see [Setting execution preferences](#).

Parent topic: [Advanced user tasks for creating file associations and test executions](#)

Feedback

Setting execution preferences

When you execute a configured test case or test suite record and you cancel the execution by clicking **Cancel** on the Test Execution window, you are prompted to specify whether to cancel all execution tasks. This prompt can also be set in the Preferences window.

To define an execution preference:

1. Open the **Preferences** window. (To do so, from a Rational ClearQuest Client click **Tools > Preferences**, from a Rational ClearQuest Web client click **Windows > Preferences**.)
2. Expand the **Test Management** node and select **Execution**. Click to select your options for execution cancelation.
3. Click **Apply** and click **OK**.

When an execution of a configured test case or test suite is cancelled, your preference applies.

Parent topic: [Advanced user tasks for creating file associations and test executions](#)

Feedback

Associating a test script to a configured test case record

You must use a Rational ClearQuest Client or Rational ClearQuest Client for Eclipse to associate a test script with a configured test case record. Before you can associate a test script:

- You must create a new file location by using the New File Location Wizard.
- If the file location is stored in a Rational ClearCase VOB, you must use the ClearCase View Associations view to associate a Rational ClearCase view.

Note: If the parent test case has a default test script associated, clicking **Copy from Test Case** from the **Execution** page of an associated configured test case record copies the test script path location from the parent test case record.

To associate a test script to a configured test case record:

1. In the Rational ClearQuest Client or Rational ClearQuest Client for Eclipse, open the Test Manager view. On the **Planning** page locate the configured test case record that you want to associate with a test script.
2. Select the configured test case record and click **Associate Test Script**. The Test Script Association window opens.
 - a. Select a **Test Type**.
 - b. If you are accessing a file location stored in a Rational ClearCase VOB, click the **View** list to select an associated Rational ClearCase view.
 - c. Select a test script file.
 - d. Click **Next**. If there are **Test Script Options** for the selected test script file, click in the **Name** and **Value** fields and type a name and value.
3. Click **Finish**.

The **Test Script** field on the **Execution** page of the configured test case record displays the associated test script.

For more information, see [Opening a test script from a test case or configured test case record](#).

Parent topic: [Advanced user tasks for creating file associations and test executions](#)

Feedback

Copying a test script from a test case record

Using Rational ClearQuest Test Manager, you have two options for associating a test script:

- Associate a default script with a test case record
- Associate a test script with a configured test case record

If you choose to associate a default script with a test case record, when you use the **Add Configured Test Cases** menu action in the Test Manager view, the new configured test case records inherit the file path for the test script from the parent test case record.

If no test script is associated with a test case record, when you use the **Add Configured Test Cases** menu action in the Test Manager view, the new configured test case records have no associated test script. If you then associate a test script to the parent test case record, you can associate that test script with the associated configured test case by clicking **Copy from Test Case** on the **Execution** page of the configured test case record.

For more information, see [Associating a default test script to a test case record](#).

Parent topic: [Advanced user tasks for creating file associations and test executions](#)

Feedback

Opening a test script from a test case or configured test case record

After a test script is associated with a test case or configured test case record, you can open the test script from that test case or configured test case record.

To open a test script:

1. Using the Rational ClearQuest Client or Rational ClearQuest Client for Eclipse, open the Test Manager view. On the **Planning** or **Execution** page, locate the test case or configured test case record where you want to open an associated test script and click **Open Test Script**.
2. If the file location for the test script is in a Rational ClearCase VOB, the Open Test Script window opens. Select an iteration and a Rational ClearCase view to use to access the test script.
3. An Eclipse view opens displaying test script information and the test script source.

The test script information is read-only. To modify the test script, you must run the associated test tool to make the changes.

For more information, see [Associating a default test script to a test case record](#) and [Associating a test script to a configured test case record](#).

Parent topic: [Advanced user tasks for creating file associations and test executions](#)

Feedback

Executing a configured test case record

You must use a Rational ClearQuest Client or Rational ClearQuest Client for Eclipse to execute a configured test case record. Before executing a configured test case record, the configured test case record must reference a test script. If the file location for the test script is stored in a Rational ClearCase VOB, a Rational ClearCase view must be associated for the desktop where the configured test case is executed.

To execute a configured test case:

1. Using the Rational ClearQuest Client or Rational ClearQuest Client for Eclipse, open the Test Manager view. On the **Planning** or **Execution** page, locate the configured test case record you want to execute.
2. Select the configured test case record and click **Execute**. In the Execute Test window:
 - a. Select an **Iteration** value.
 - b. In the **Build** field, select or type a build value in the box.
3. Click **Finish**. The Test Execution window opens to display execution progress.

When the configured test case execution completes, test results are displayed in the **Execution** page of the Test Manager view and the Test Results view.

For more information, see [Working with test results](#).

Parent topic: [Advanced user tasks for creating file associations and test executions](#)

Feedback

Executing a test suite record

A test suite executes an ordered list of configured test case records. You must use the Rational ClearQuest Client or the Rational ClearQuest Client for Eclipse to execute a test suite record.

To successfully execute a test suite record, the following conditions must be true:

- The desktop on which the test suite is executed must have the appropriate Rational ClearQuest Test tool or Eclipse Test and Performance Tools Platform (TPTP) test tools installed for all types of test scripts referenced by the associated configured test case records.
- The configuration record associated with the test suite record must be identical to the configuration record for all of the associated configured test case records.

After test suite executes, you can review the test results in the **Uncommitted Results** folder on the **Execution** page of the Test Manager view or the Test Results view. If the test suite test results are committed, a suite log record is created in the Rational ClearQuest database. The suite log record contains a reference to each test log record for the associated configured test case records that were executed.

In addition, after a test result for a test suite is committed, you can use the **Recently Committed Results** folder in the Test Results view or the **Execution** page in the Test Manager view to submit a defect for any executed configured test case in the test suite.

For more information, see [Adding, ordering, or removing configured test cases for a test suite record](#), [Executing a test suite record](#), and [About submitting a defect from a test result](#).

Parent topic: [Advanced user tasks for creating file associations and test executions](#)

Feedback

Adding, ordering, or removing configured test cases for a test suite record

When a test suite is created, the **Configured Test Cases** list on the **Execution** page is empty. To add, order, or remove associated configured test case records, you must use the Rational ClearQuest Client or the Rational ClearQuest Client for Eclipse.

Note: When a test suite record is executed, the associated configured test case records are executed in the order that appears in the **Execution Order of Configured Test Cases** list on the **Execution** page of the test suite record. Rational ClearQuest Test Manager requires that configured test case records have an association to the same asset registry record as the test suite.

After creating a test suite record, you can add, order, or remove configured test case records:

1. In the Rational ClearQuest Client or Rational ClearQuest Client for Eclipse, open the Test Manager view. On the **Planning** or **Execution** page, locate the test suite record and click **Configure** to open the Configure Test Suite window.
 - a. To add configured test case records, click **Add** and complete the Browse Record Type window by selecting configured test case records.
 - b. To remove configured test case records, click **Remove** and complete the Browse Record Type window by selecting configured test case records.
 - c. To order the list, select a configured test case record from the list and click **Move Up** or **Move Down**.
2. Click **Finish**.

The associated configured test case records are displayed from the **Execution Order of Configured Test Cases** list on the **Execution** page of the test suite record.

For more information, see [Creating a test suite record](#).

Parent topic: [Advanced user tasks for creating file associations and test executions](#)

Feedback

Executing a test suite record

A test suite is an ordered collection of configured test case records. To execute a test suite record, you must:

- Use the Rational ClearQuest Client or the Rational ClearQuest Client for Eclipse.
- Have an associated test script for all associated configured test case records.
- Have the associated configured test case records ordered correctly.
- Associate the configured test case records with a configuration record that is identical to the configuration record of the test suite.

To execute a test suite:

1. Use the **Planning** or **Execution** page of the Test Manager view to locate the test suite record you want to execute.
2. Click **Execute**. In the Execute Test Suite window:
 - a. Select an **Iteration** value.
 - b. In the **Build** field, select a value or type a Build value in the box.
3. Click **Finish**. The Test Execution window opens to display execution progress.

When the test suite execution completes, test results are displayed on the **Execution** page of the Test Manager view and the Test Results view.

For more information, see [Adding, ordering, or removing configured test cases for a test suite record](#) and [Working with test results](#).

Parent topic: [Advanced user tasks for creating file associations and test executions](#)

Feedback