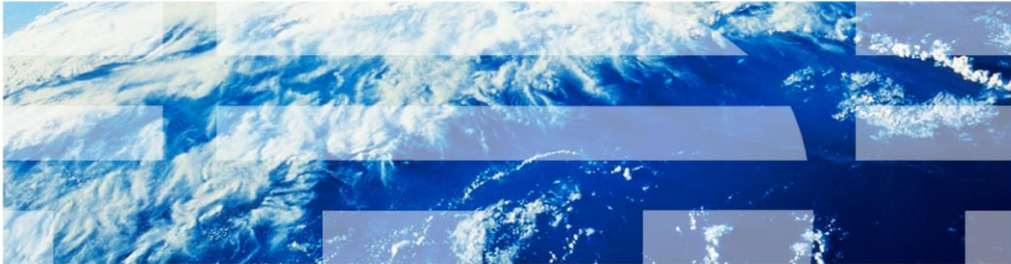


IBM Tivoli Composite Application Manager for Transactions version 7.3

Rational Functional Tester script for ITCAM



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This module is for IBM Tivoli® Composite Application Manager for Transactions (ITCAM) version 7.3, and the Rational® Functional Tester script for ITCAM.

Objective

When you complete this module, you should be able to generate a Rational Functional Tester script for IBM Tivoli Composite Application Manager for Transactions

When you complete this module, you should be able to generate a Rational Functional Tester script for IBM Tivoli Composite Application Manager for Transactions.

Assumptions

Prepare the environment

1. Install Rational Functional Tester (RFT) and the ITCAM plug-in
2. Close all applications before beginning a recording
3. Configure RFT with the applications required for the recording
4. Do not use the copy and paste function during the recording
5. Use the keyboard, rather than the mouse, when possible
6. Check for RFT best practices and help content for assistance

The assumption for this module is that you have completed the preparation work, and are ready to create a Rational Functional Tester script for ITCAM. Before you can perform the task, ensure that you have prepared the environment by performing a few steps:

1. Install the Rational Functional Tester script and the IBM Tivoli Composite Application Manager plug-in.
2. Close all applications before beginning a recording.
3. Before the recording, configure RFT with the applications required.
4. Do not use the copy and paste function during the recording.
5. When possible, use the keyboard, rather than the mouse.
6. Check for RFT best practices and help content for assistance.

Process outline

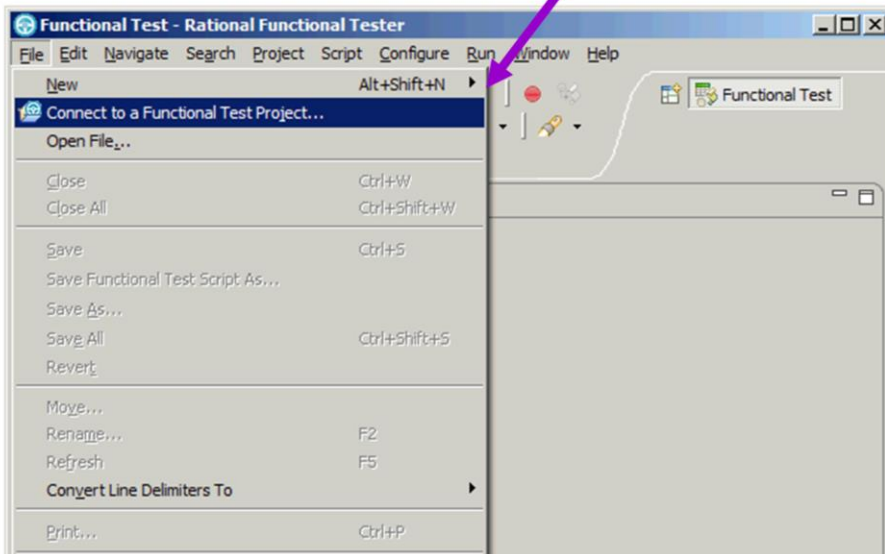
1. Connect to an existing project or creating a new project
2. Create a script using the RFT recorder
3. Record a Functional Test Script
4. Test the recording
5. Export the recording

The five major steps in this process are:

1. Connect to an existing project or creating a new project.
2. Create a script using the RFT recorder.
3. Record a Functional Test Script.
4. Test the script recording.
5. Export the recording.

Connect to an existing project or create a new project (1 of 2)

- Start with the RFT workbench, connect to an existing project
- Click **File > Connect to a Functional Test Project or New**



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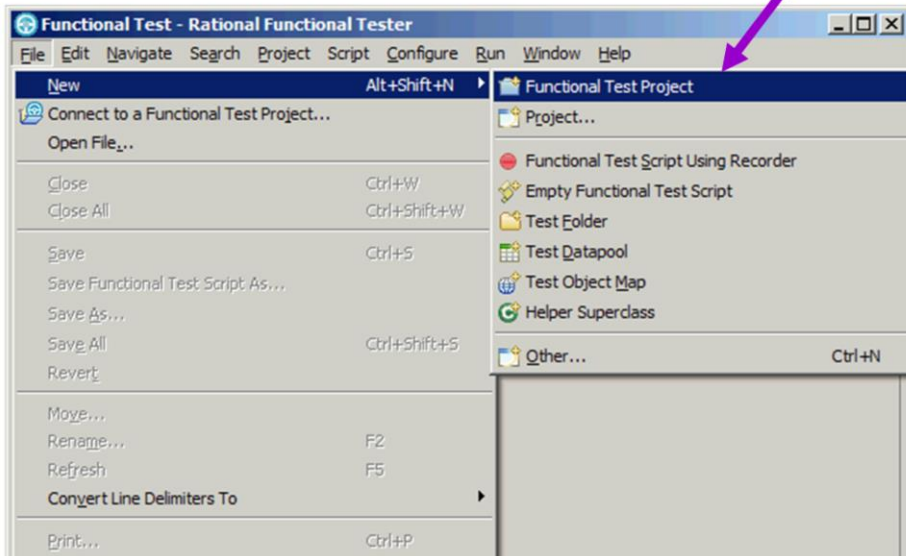
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Start with the Rational Functional Tester workbench window and connect to an existing project or create a new project for your new script. Click **File**, then **Connect to a Functional Test Project** or **New**.

Connect to an existing project or create a new project (2 of 2)

- If you create a New project, click **Functional Test Project**
- Enter the Project Name, Project Location, and click **Finish**



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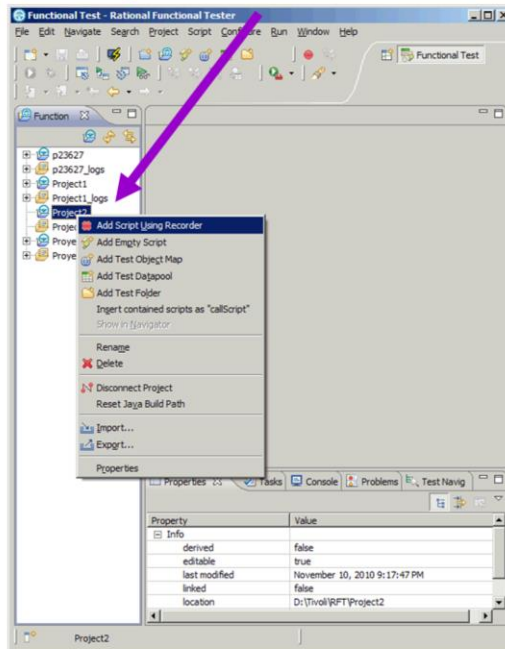
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If you choose to create a New project, click **Functional Test Project** from the sub menu. You are then prompted to enter the Project Name and the Project Location. Click **Finish** at the bottom of the window.

Create a Functional Test Script using recorder

- Right click the project name and select **Add Script Using Recorder**
- Enter a Script name
- Click **Finish**



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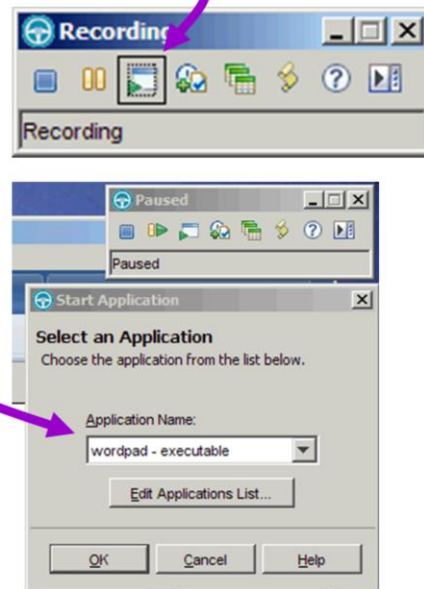
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Begin creating a new recorded script by right-clicking the project name and select **Add Script Using Recorder**. You are prompted to enter a Script name. After entering the name, click **Finish**.

Record a functional test script (1 of 3)

- Recording window is displayed
- Click the **Select an Application** icon
- Select the **Application Name** to be the object of the recording
- Click **OK**



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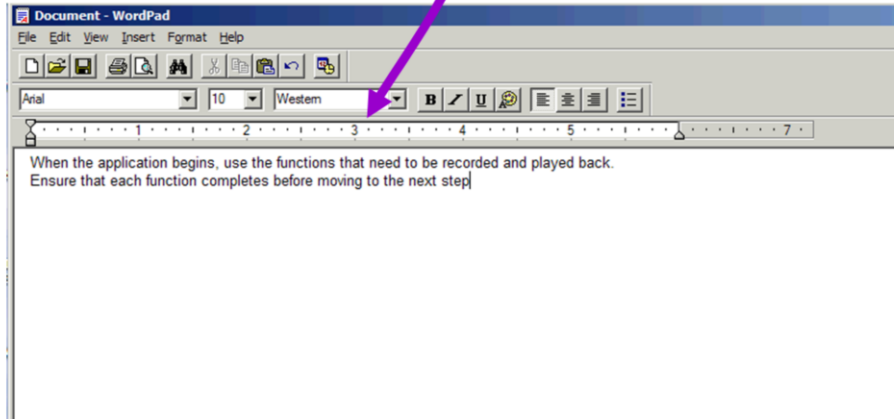
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The Recording window is displayed. To start recording the script, locate and click the **Select an Application** icon. The Start Application window displays, where you select the **Application Name** to be the object of the recording from the menu. For this presentation, click **wordpad** and click **OK** to start the recording.

Record a functional test script (2 of 3)

- Use the application
- Save
 - Press **Alt+F** (for **F**ile)
 - Press **A** for (Save **A**s)
 - Type the file name and press **Enter**
 - Press **Alt+F**
 - Press **X** (for **E**xit)



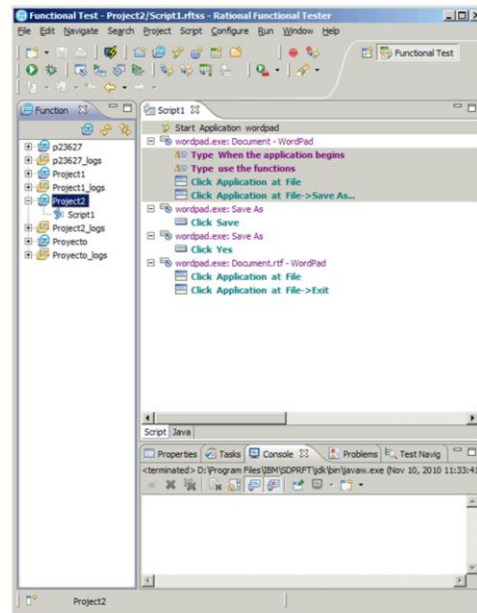
Use the **WordPad** application by typing or doing what needs to be done. Remember, you must perform the activity rather than pasting items from the clipboard. When you are done, save your work. For example, in Word Pad, Press **Alt+F** (for **F**ile), press **A** for (Save **A**s), type the file name and press **Enter** to save the work. To close the Word Pad application, Press **Alt+F**, and press **X** (for **E**xit).

Record a functional test script (3 of 3)

- Recording window
 - Stop Recording icon
 - Recording window closes



- Return to Rational Functional Tester



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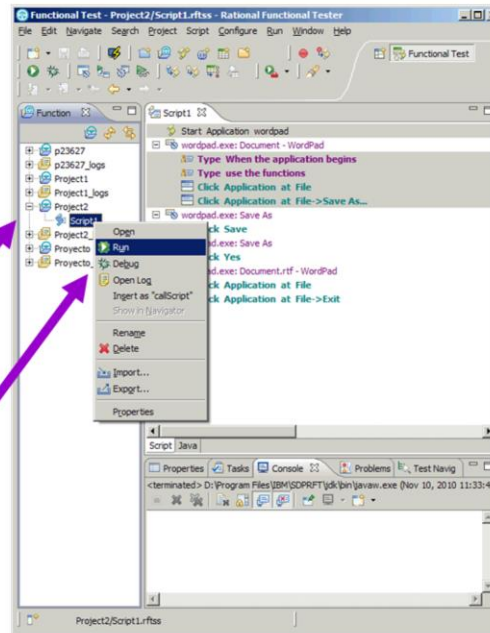
Rational Functional Tester script for ITCAM

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When you click the **Stop Recording** icon, the Recording window closes, and you return to the Rational Functional Tester. You can see the script you recorded highlighted in the listing with its contents displayed in the right-pane of the display. The recorded script is ready to test.

Test the script recording (1 of 2)

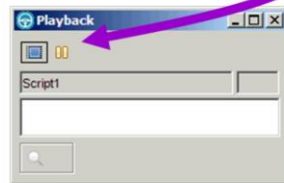
- During playback
 - Do not use the keyboard or mouse
 - Allow playback without any interaction
 - The display must be unlocked and unencumbered for playback
- From the project list, right click the script name
- From the menu, click **Run**
- Type the log name and click **Finish**



Remember that while the script is playing back, do not use the keyboard or mouse. You must allow the recording to playback without any interaction from you, and the display must be unlocked and unencumbered for playback. To test the script, from the project list, right-click the <script name>. From the menu, click **Run**. When the script starts you might be prompted to enter a log name for <script name>. Type a <log name>, and click **Finish**.

Test the script recording (1 of 2)

- Playback completes
- Resolve any errors



The screenshot shows a web browser window titled 'Playback Log for Script1'. The log is titled 'Log: Script1' and is divided into three sections: Failures, Warnings, and Verification Points. The Failures section is empty. The Warnings section contains two entries: a 'PASS' entry for 'Start application [wordpad]' and a 'FAIL' entry for 'CRFCN0601E: Script1.testMain had an unhandled exception.' The 'FAIL' entry is circled in purple. The log entries include timestamps, script names, and detailed error messages.

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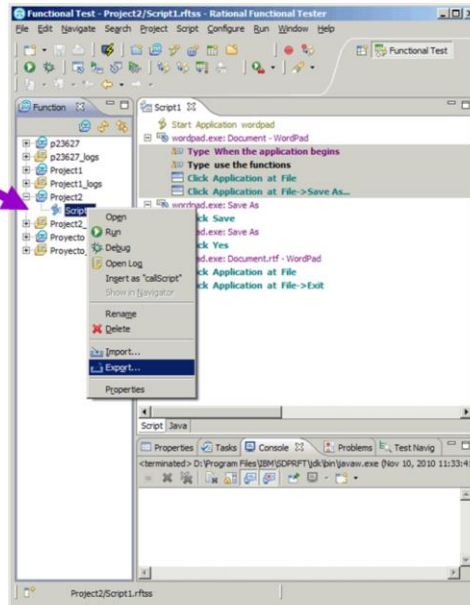
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When the playback completes, the small square stop displays, and the Playback Log for the <script name> window displays. Ensure that the playback is successful, and it performed all of the functions correctly. Note any errors that are indicated in the log, and resolve them. The example shows both a pass and a fail item.

Export the recording (1 of 6)

- Right-click the <script name>
- From the menu, click **Export**



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Rational Functional Tester script for ITCAM

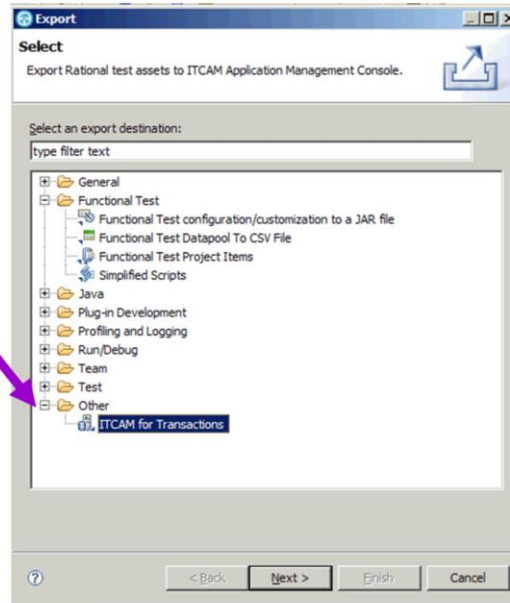
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From the project list, right-click the <script name>, and from the menu, click **Export**.

Export the recording (2 of 6)

Export, Select

- Click **Other > ITCAM for Transactions**
- Click **Next**



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Rational Functional Tester script for ITCAM

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The next step for the Export is the Select prompt for an export destination. Click the plus icon next to Other, if needed, and click **ITCAM for Transactions**. Click **Next** to continue.

Export the recording (3 of 6)

Connect to the
Application Management
Console

- Host
- Leave default values
- **Next**

ITCAM for Transactions

Connect to Application Management Console

Specify the host name and connect information for the Application Management Console.

Location

Host: hoops.raleigh.ibm.com

Connection

Requires SSL security

Keyfile: Browse...

Keyfile Password:

Use default server port

Use port: 1976

Proxy Settings

Protocol: None Host: Port: 0

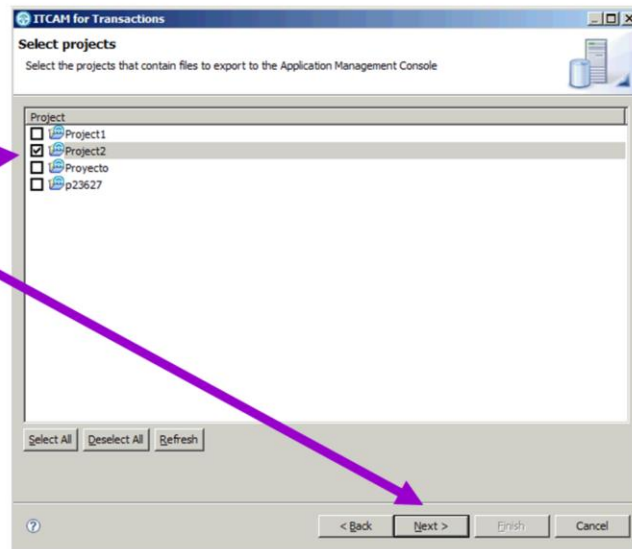
< Back Next > Finish Cancel

The Connect to Application Management Console window prompts you for the host name information to connect to the Application Management Console. In the **Host** field, enter the host name for the Application Management Console. Unless you are using SSL, leave the remaining default values on the form and click **Next**.

Export the recording (4 of 6)

Select projects

- Select the project check box
- Click **Next**

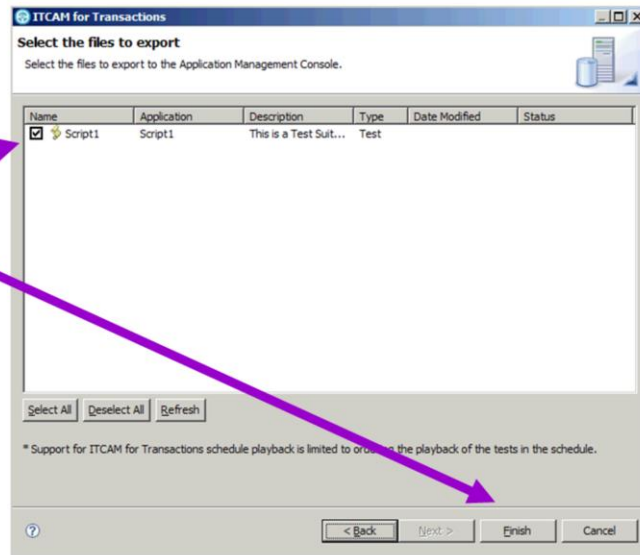


From the Select projects window, select the check box next to the project you want to export and click **Next**.

Export the recording (5 of 6)

Select the files to export

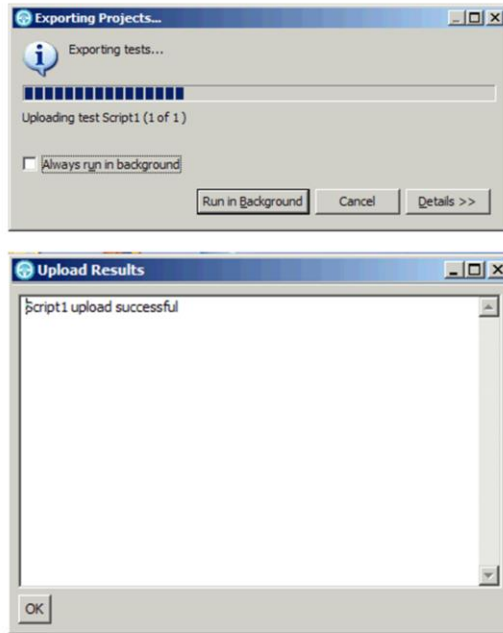
- Select the script check box
- Click **Finish**



On the Select the files to export window, select the check box next to the script you want to export, and click **Finish**.

Export the recording (6 of 6)

- Exporting Projects
 - Wait for the export
- Upload Results
 - Verify the export is successful



The Exporting Projects window displays. Wait for it to close and the Upload Results window to display. Verify that the script uploaded successfully. When the process is complete, the RFT script is available in the Application Management Console (AMC).

Process review

1. Connect to an existing project or create a new project
2. Create a script using the RFT recorder
3. Record a Functional Test Script
4. Test the recording
5. Export the recording

To review, the five major steps in this process are:

1. Connect to an existing project or creating a new project.
2. Create a script using the RFT recorder.
3. Record a Functional Test Script.
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Summary

Now that you have completed this module, you can generate a Rational Functional Tester script for IBM Tivoli Composite Application Manager for Transactions

Now that you have finished this training module, you can generate a Rational Functional Tester script for IBM Tivoli Composite Application Manager for Transactions.



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