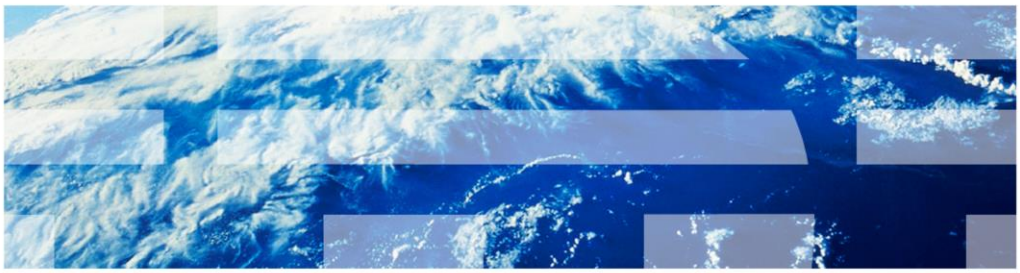
IBM

IBM Tivoli Composite Application Manager for Transactions 7.1 and 7.2

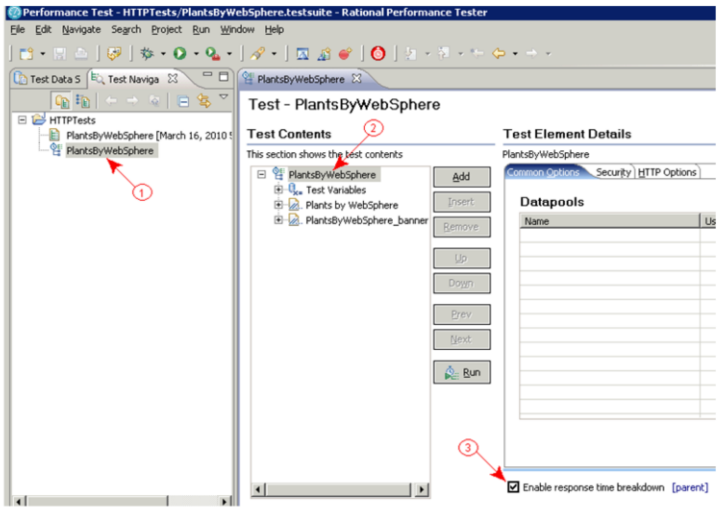
Rational Performance Tester HTTP scripting options



Welcome to this IBM Education Assistant module on Tivoli® Composite Application Manager for Transactions 7.1 and 7.2. This training module shows you how to set fundamental options in your Rational® Performance Tester script and in the Robotic Response Time agent. By the end of this training module, you should be familiar with Rational Performance Tester scripting options and Robotic Response Time options.

Enable response time breakdown

- Record and open an RPT HTTP script in the test perspective (1)
- Select the parent node (2)
- Select **Enable response time breakdown** (3)



Rational Performance Tester HTTP scripting options

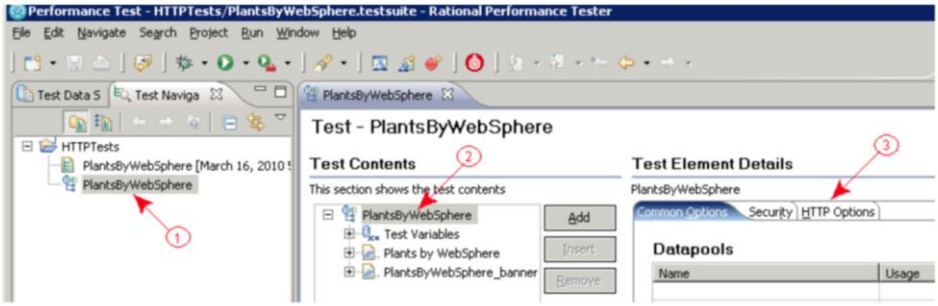
Rational Performance Tester (RPT) and Robotic Response Time agent script options ensure that response-time data is accurately reported to the Tivoli Enterprise Portal Console. These instructions are for use in RPT 8 scripts that are created for IBM Tivoli Composite Application Manager for Transactions versions 7.1 and 7.2.

The Enable response time breakdown option in RPT scripts ensures that the script generates response-time information for the page elements and subtransactions.

Record an RPT HTTP script and open it in the Test Perspective (1). Select the parent node (2). Select the Enable response time breakdown (3) check box below the Common Options tab. When this option is selected for the parent page element, it is automatically set on the child page elements.

Scale back browser displays (1 of 4)

- If the client response time is atypically high, reset the browser delays to zero
- Select the script (1)
- Select the **parent** node (2)
- Click the HTTP Options tab (3)



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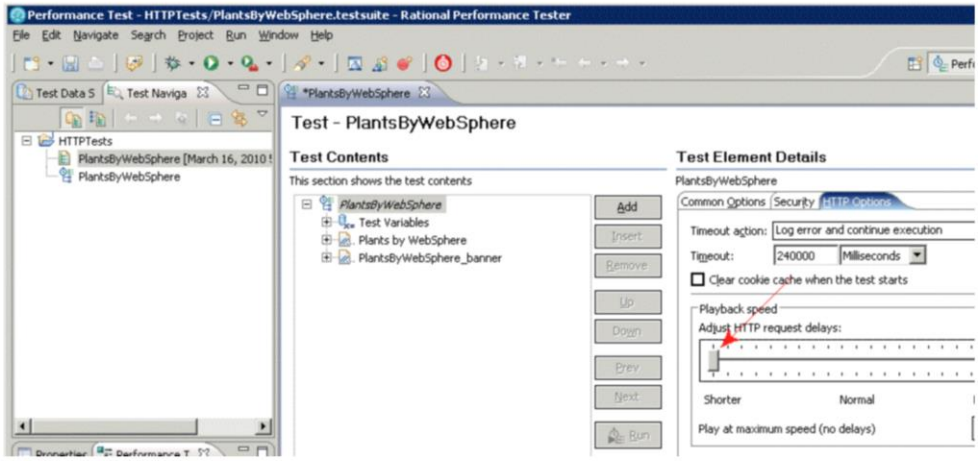
Browser delays have an impact on the reported client time. When you record a script, RPT keeps a running total of where the browser stalls. RPT waits for a completed action when that action is not related to the current page element.

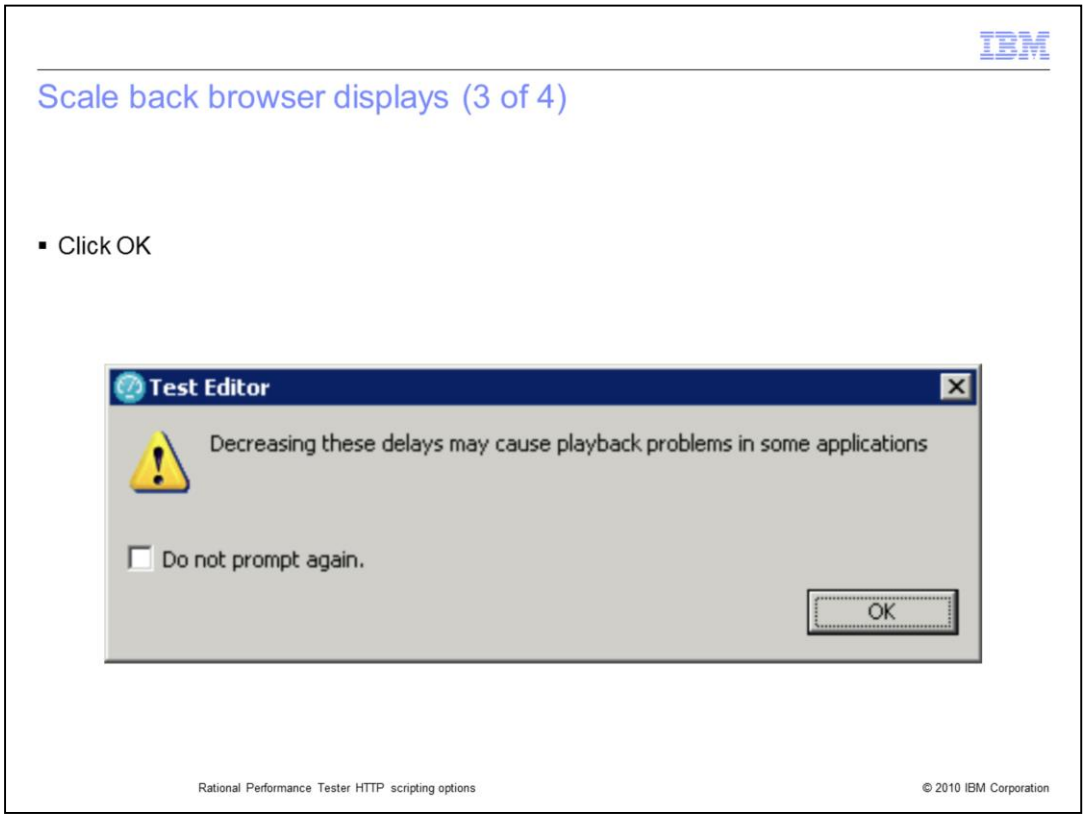
If client response time is atypically high, verify that browser delays have been scaled back in the RPT script. Reset the browser delays to zero. Select the script. Select the parent node. Click the HTTP Options tab.

Scale back browser displays (2 of 4)

- Move the **Playback speed** slider all the way to the left



Move the Playback speed slider all the way to the left to globally scale browser delays to zero in all page elements.



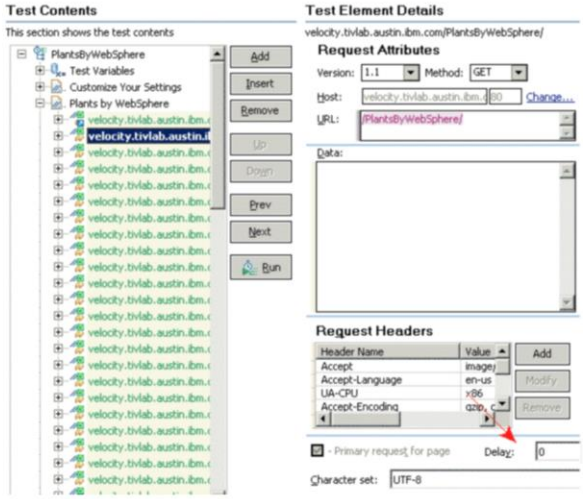
Click OK when this message opens.

Browser delays can be scaled by percentages. If the recorded delay is 400 milliseconds, scaling back the delay to 10 percent replaces the 400-millisecond delay with a 40-millisecond delay for the current page element.

The scaling factor and original value are preserved. You can restore these factors by clicking the Reset button.

Scale back browser displays (4 of 4)

- To set browser delays for individual page elements, scroll through the elements
- Go to the **Delay** field and assign an individual delay

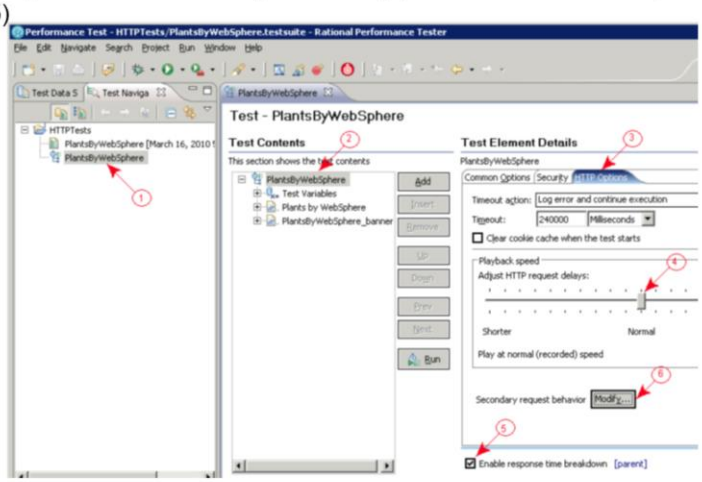


Rational Performance Tester HTTP scripting options

You can also set the browser delay for individual page elements. Scroll through the individual page elements in the Request Headers list. Look at the delay that is displayed in the Delay field. Here, you can set an individual delay. When saved, this value is permanently recorded with the script.

Ignore embedded object response times (1 of 2)

- To improve response time accuracy, select the script in the Test Perspective (1)
- Select the parent node (2) and click the **HTTP Options** tab (3)
- Adjust the **Playback speed** slider all the way to the left (4) and select **Enable response time breakdown** (5)
- Click **Modify** (6)



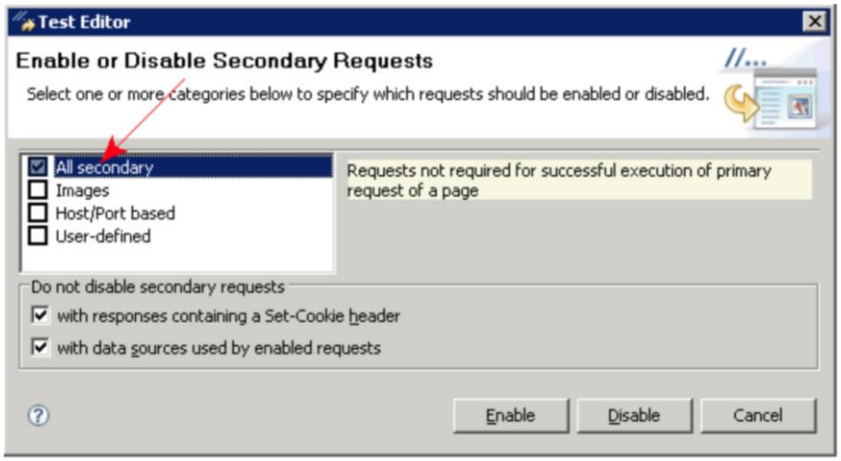
Rational Performance Tester HTTP scripting options

Response times can represent several factors, including the response time for downloading embedded images and running JavaScript™.

You can exclude these extraneous factors. Select the script in the Test Perspective. Select the parent node. Click the HTTP Options tab. Adjust the Playback speed slider all the way to the left. Select the Enable response time breakdown check box. Click Modify.

Ignore embedded object response times (2 of 2)

Select the **All Secondary** option in the test editor

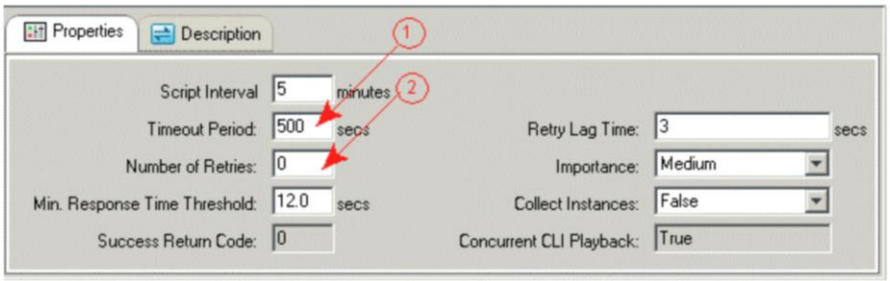


Rational Performance Tester HTTP scripting options

When the Test Editor displays, select the All secondary option. If you want to remove script overhead and reduce tracking costs, clear the other options in this box. Clearing these options provides a less accurate response time report in some cases.

Increase timeout value

- If the Tivoli Enterprise Portal is experiencing timeout errors, increase the **Timeout Period** in the script profile (1)
- Set the **Number of Retries** to zero (2)
- Run a test in RPT and then export the script to the Application Management Console

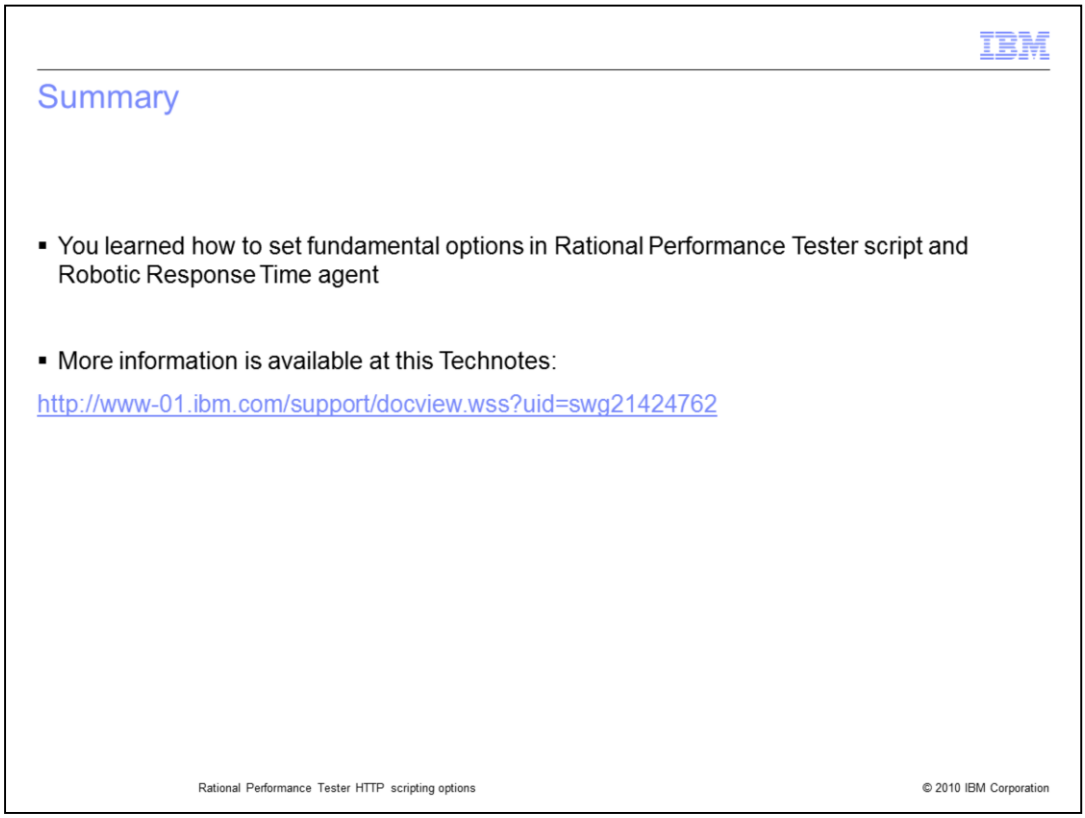


Rational Performance Tester HTTP scripting options

Increase the Timeout Period in the script profile if Tivoli Enterprise Portal workspaces experience timeout errors. This increase ensures that the RPT engine times out the script instead of Tivoli Composite Application Manager.

Set the Number of Retries to 0. When the RPT engine detects a script error, it reports the error immediately and stops the script playback. This setting also ensures that client and overall response time are not inflated.

Run a test in RPT whenever you change a script. Then, export the script to the Application Management Console.



In this IBM Education Assistant training module, you learned how to set fundamental options in your Rational Performance Tester script and in the Robotic Response Time agent for Tivoli Composite Application Manager for Transactions.

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