



Rational Functional Tester

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Agenda

- RFT Recap – recent history
 - Browser Updates
 - Domain Updates
 - Features & Usability Updates
- Demo

Browser Updates

■ Internet Explorer

- IE 9 (including earlier versions) is supported (since 8.2.1)
- All sub-domains
- 32 and 64-bit versions



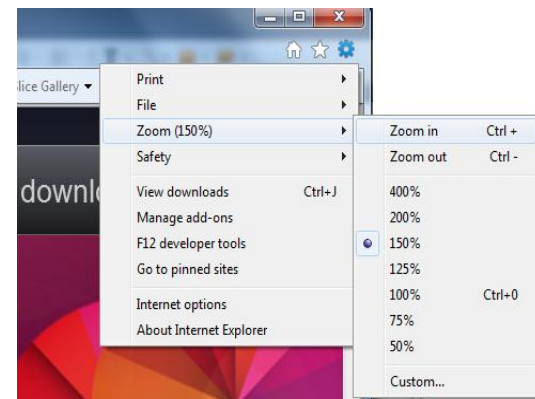
■ Firefox

- Version 10 (Extended Service Release) is supported
 - FF 4, 5, 6, 7 & 8 also supported
- All sub-domains supported by Firefox
- Windows and Linux



■ Zoom Support

- Supported in Internet Explorer and Firefox
- Can record / playback properly irrespective of the zoom setting



Domain Updates

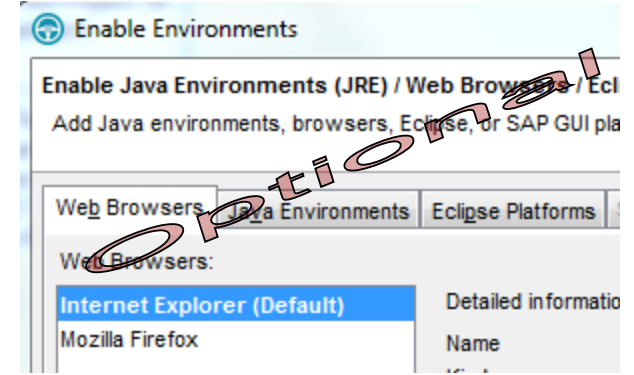
- **Java Support**
 - All available versions of Java SE 6 & 7
 - IBM and Sun JREs
 - All AWT, SWT, Eclipse type of applications
 - Windows and Linux
- **Adobe Flex Support**
 - Version 4.1
 - Both Halo and Spark controls are supported for Flex 4.0 & 4.1
 - Internet Explorer and Firefox
- **Dojo Support**
 - Support for Dojo 1.6.1
 - Internet Explorer and Firefox
- **Microsoft Advancements**
 - Visual Studio 2010 integration
 - .Net Framework 4.0
 - Silverlight 4.0
 - Standalone and within Internet Explorer



Automatic Enablement

■ Browsers and Java applications automatically enabled for testing

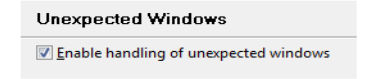
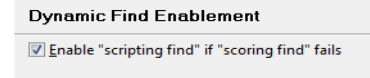
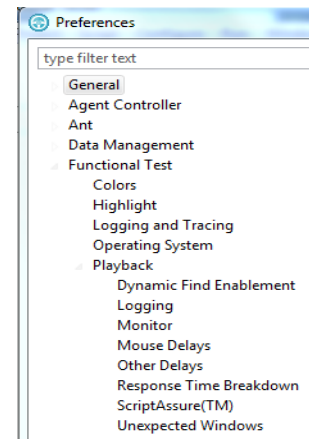
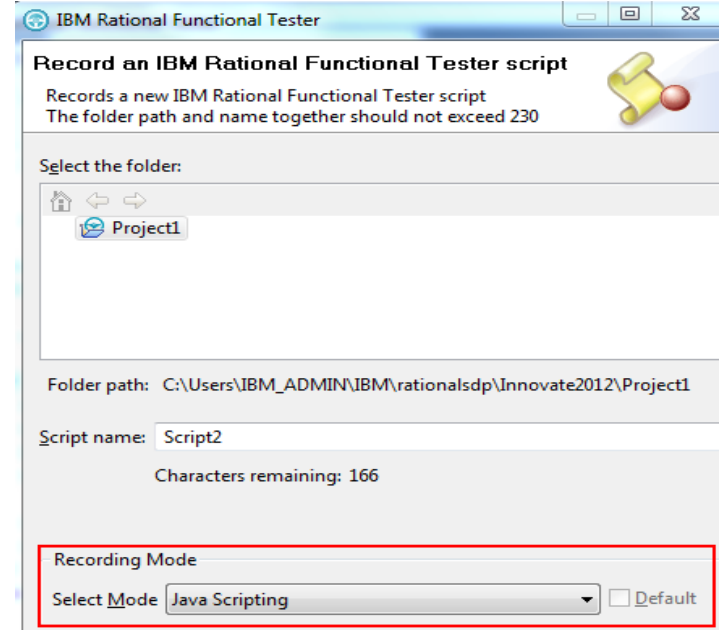
- Windows applications were automatically enabled so far
- All supported Java applications are now automatically enabled*
 - Supports AWT, JFC/Swing, Eclipse/SWT/RCP
- All supported versions of both Internet Explorer and Firefox are automatically enabled*
 - Eliminates dependency on installed JRE
- No need for a separate enablement step before testing (although still available)
- Supported on Windows platform
- Addresses existing issue with Java Next Generation Plug-in
- Improves support for restricted environments (Ex. FDCC)



* Restrictions based on JREs and environments are documented

Usability Updates

- Select scripting style from record wizard
- Improvised Playback
 - Fail-over to Dynamic find as an alternative
 - Better unexpected window handling
- Problem analysis in eclipse log format
- Support for wrapped links
- Invoke API now returns a value of choice
- Improved performance in timer APIs



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RQM create test script

Contains Unsaved Changes

* Sample MTSR script *

State: Draft Action: Work Item: [Create](#)

Originator: svt_user Owner:

Type: Test Data:

Description: < [Click here to enter a description](#) >

Summary

Categories

Formal Review

Manual Steps

| Step | Description: | Expected Results |
|-----------------------------------|--------------|------------------|
| Click to add step | | |

Keyword

Clipboard

Type Filter

Sample MTSR recorder snapshot

The screenshot shows a web browser window with a registration form for "My Tata Sky". The form includes fields for "Subscriber ID" (containing "madhu"), "Password", "Confirm Password", "Email ID", and "Registered Mobile Number (RMN)" (containing "12345"). Below the form are radio buttons for "I Agree" and "I Disagree", and "Submit" and "Cancel" buttons. A Rational MTSR recorder overlay is positioned on the right side of the browser window, titled "Paused". The recorder's toolbar includes icons for play, stop, refresh, help, and other controls. The recording log shows the following steps: "Recording Script TestScript Paused", "Recording Script TestScript Resumed", "click the 'Subscriber ID' textbox", "enter 'madhu' into the 'Subscriber ID' textbox", "click the 'Confirm Password' textbox", "click the 'Email ID' textbox", "click the 'Registered Mobile Number (RMN)' textbox", "enter '12345' into the 'Registered Mobile Number (RMN)' textbox", "click the 'I Agree' radiobutton", "click the 'I Disagree' radiobutton", and "Recording Script TestScript Paused".

RQM Manual Test Script Recorder

- Implemented via Rational Functional Tester recorder

- Supported for all browsers and versions supported by RFT
- Support for HTML and Dojo based applications
- Supported for Java (AWT, Swing, SWT, Eclipse) applications
- Support for creating manual verification steps
- Automatic browser enablement

Quality Management (qm) - JKE Banking (Quality Management)

Project Dashboards | Requirements | Planning | Construction | Lab Management | Builds | Execution | Reports | Change Requests

Test Scripts > 30: MTSR-RC4a-Minimi... >

✓ Saved successfully at 14:02:17

29: MTSR-RC4a-Capture thumbnails to Expected Results

Test Script Overview | Snapshots | History

State: Draft | Action: Change State | Work Item: Create

Originator: Larry Holm | Owner: Unassigned

Type: Manual | Test Data: Unassigned

Description: < Click here to enter a description >

Summary

Formal Review

Manual Steps

| Step | Description | Expected Results |
|------|---|------------------|
| 1 | start the "http://www.amazon.com" application | |
| 2 | select the "Internet Explorer cannot display the webpage" window | |
| 3 | click the "More information" link | |
| 4 | select the "Amazon.com: Online Shopping for Electronics, Apparel, Computers," window | |
| 5 | click the "All" textbox | |
| 6 | click the "Comfy Eco-Sandals Clothing Trends Amazon Prime Clothing Trends Dress Shop..." html control | |
| 7 | click the "All" button | |

Automatically written steps display in the "Description" column.

Recorded thumbnail images as they appear when saved into the "Expected Results" column.



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QUESTIONS

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