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Rational Quality Manager

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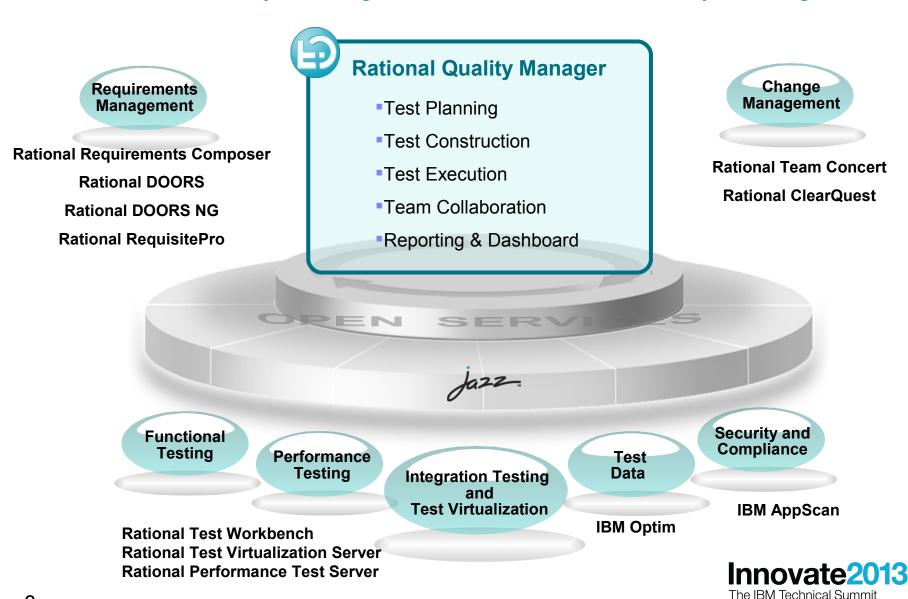
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IBM Rational Quality Manager: Central Hub for Quality Management



Terminology

- RQM Rational Quality Manager
 - Test Case executable entity in RQM
 - Test Suite collection of test cases
 - Test Script detailed manual steps or pointer to a automation tool
 - Test Environment definition of the test setup
- RTW Rational test Workbench
 - Mobile Test automated script to test a mobile application
 - Selenium Test manage selenium tests
 - Performance Test multi protocol performance testing
 - Compound Test a sequence/combination of multiple types of tests



Keywords

- Overview
 - -Keywords allow you to modularize Test Scripts
 - Helps in maintaining reusable steps/scripts
 - -Build "High level test flows" using Keywords
 - -Build generic or domain specific framework of keywords
 - -Script implementation for the keyword could be deferred to a later stage



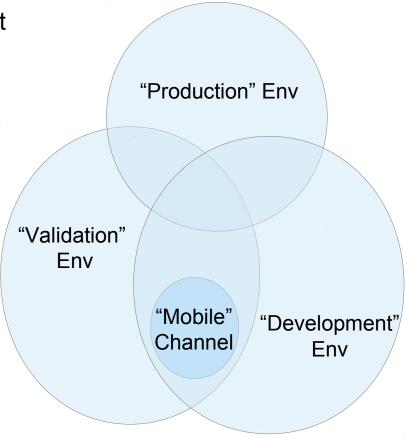
What is multi channel?

- Users utilize your services via various modes or channels
 - They walk in to the store, they use a browser at work, they use a mobile app from the train, they use a service provider that connects using web services
- The interaction can be via one channel
 - -e.g: User pays the bill from the checking account using the bank website
- Or the interaction is via multiple channels in one business flow
 - e.g: User adds a new biller using the website and then completes the authorization via the mobile app



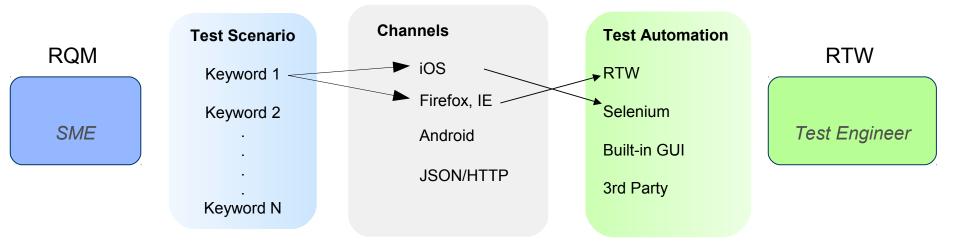
Channel – new facility in RQM

- Test Environments are defined using Lab Management Properties
- Channels can also defined using Lab Management Properties
- Channels are sub sets of a Test Environment
- Channel will define the script that will get picked for execution





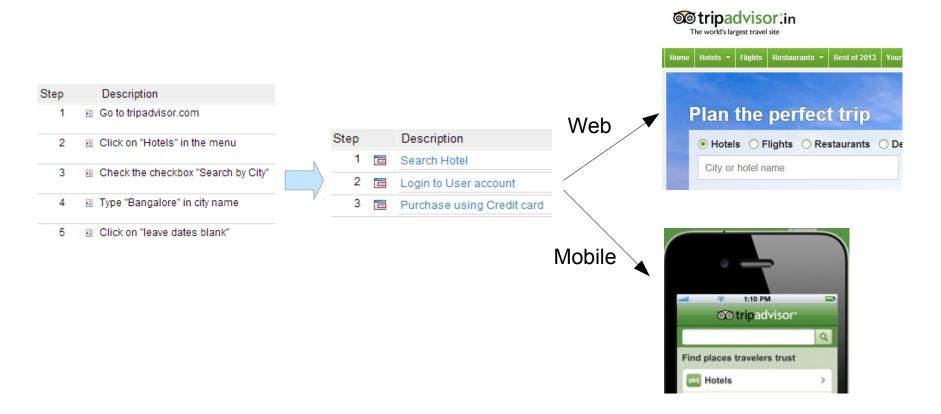
Multi-channel Support



- Focus on Test Scenarios enables reuse across multiple "channels"
- SMEs can define which endpoints specific scenarios apply to each channel
- Each keyword can have individual implementations based on the endpoint type
- Test automation experts can leverage either built-in support for automating on specific channels



Multi-channel Support





Keywords and Automated testing

- Enhanced Keyword experience
 - -Editor
 - -Originator/Owner
 - -Category
 - -0 n scripts in the context of a channel
- Keywords can be added to Manual Tests in RQM ("parent" Script)

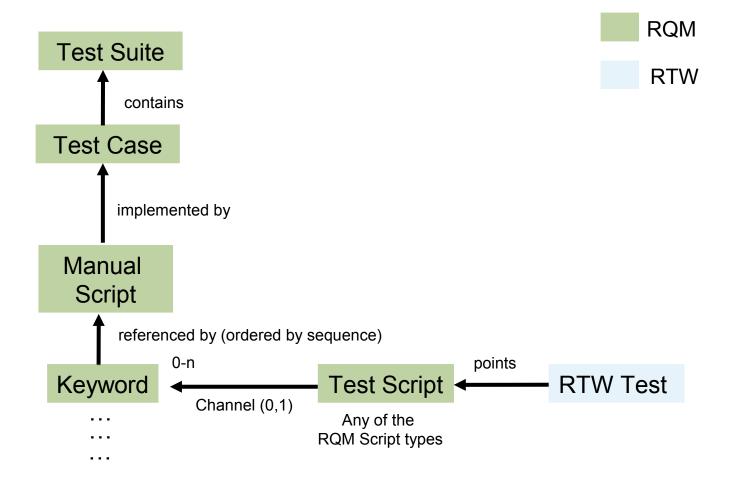


Keywords and Automated testing

- Keywords can be associated with a automated test ("child" Script)
- Keyword View in RTW
 - Show the keywords from RQM
 - -Show the steps of the keyword
 - -Record a Test for the keyword
 - Associate a Test with the keyword



Relationship Diagram





Multi Channel Testing

- In RQM
 - The ability to validate business scenarios across various Channels
 - Using Keyword and Manual Test Scripts as the vehicle
- In RTW
 - Ability to interweave multiple types of tests in one RTW compound test
 - Mobile tests, Selenium tests, Performance tests, Compound tests



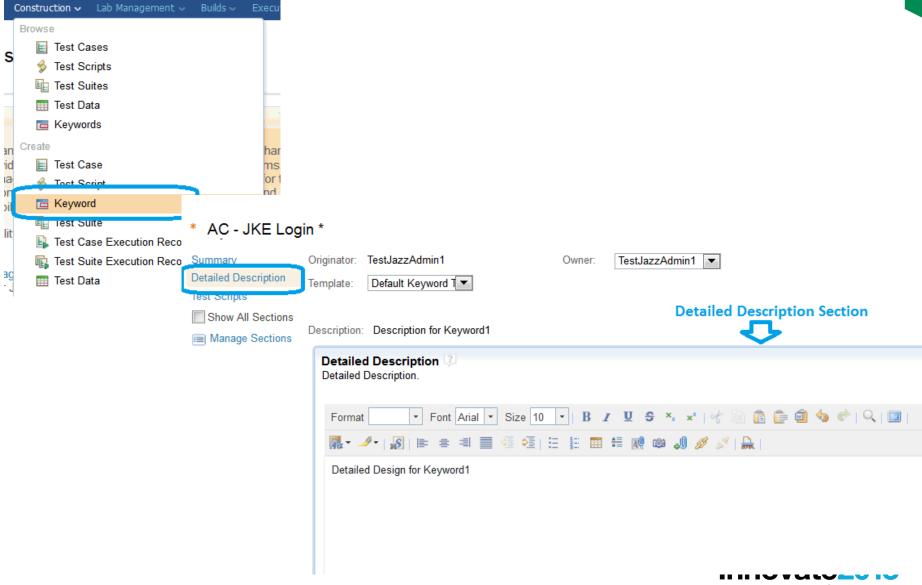
Demo



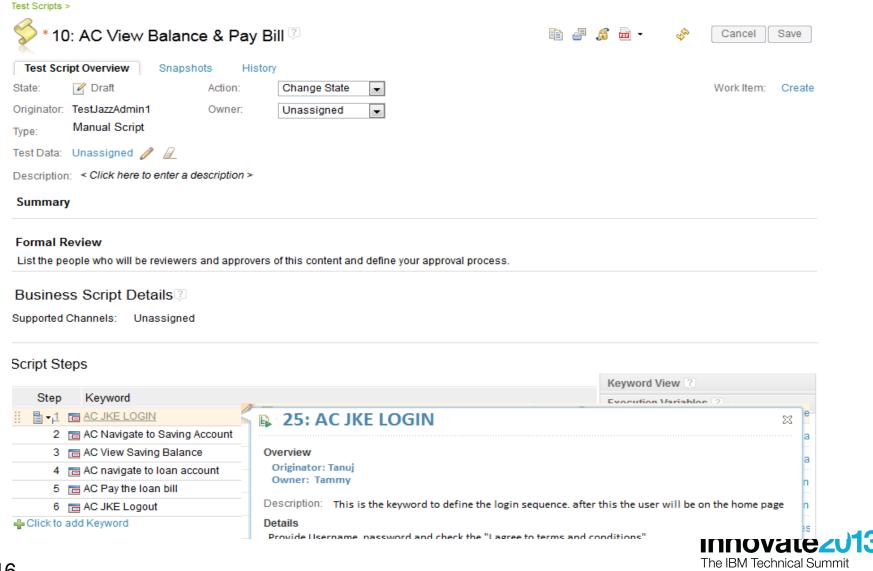




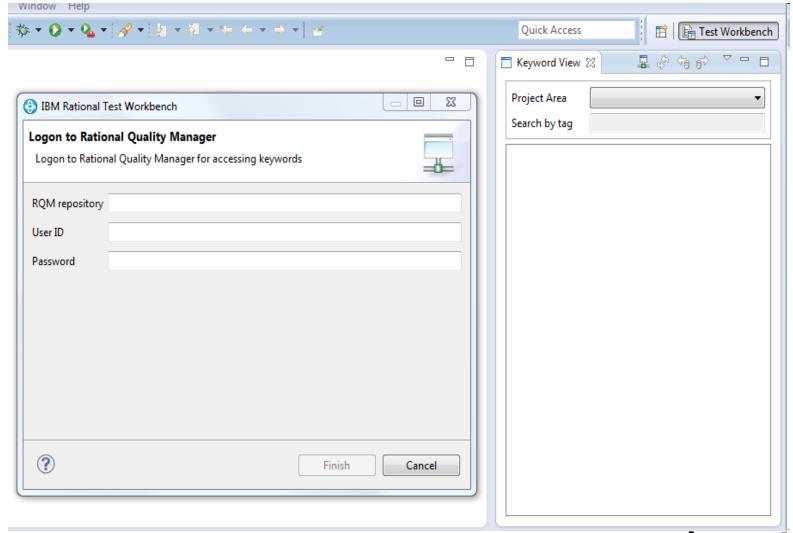
Create Keyword – No Script created yet



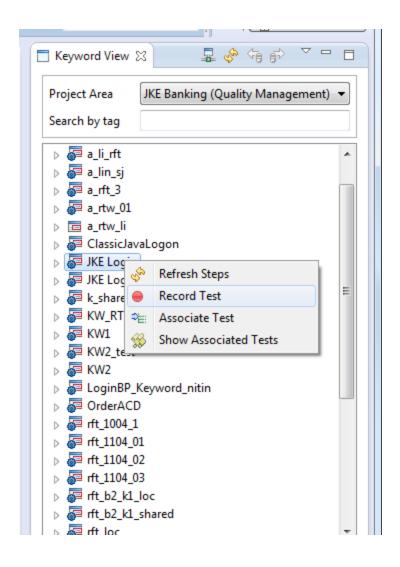
Author Scenario using Keywords

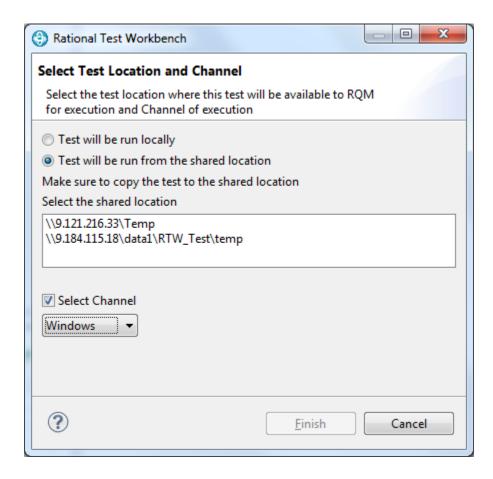


Connect to RQM from within RTW



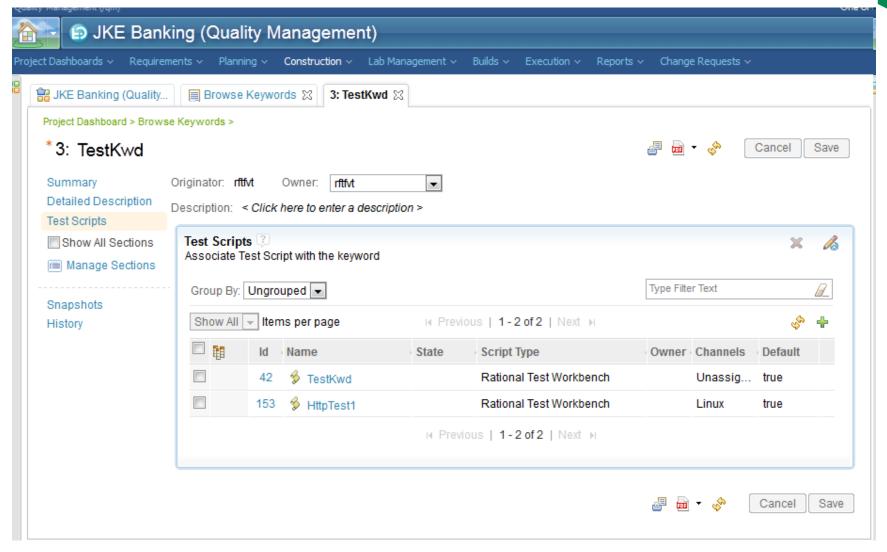
Record the tests in RTW







View the RTW Test scripts associated to Keywords





Questions





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