

# IBM® Rational® Quality Manager State of the Union

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IBM Software

# Innovate2011

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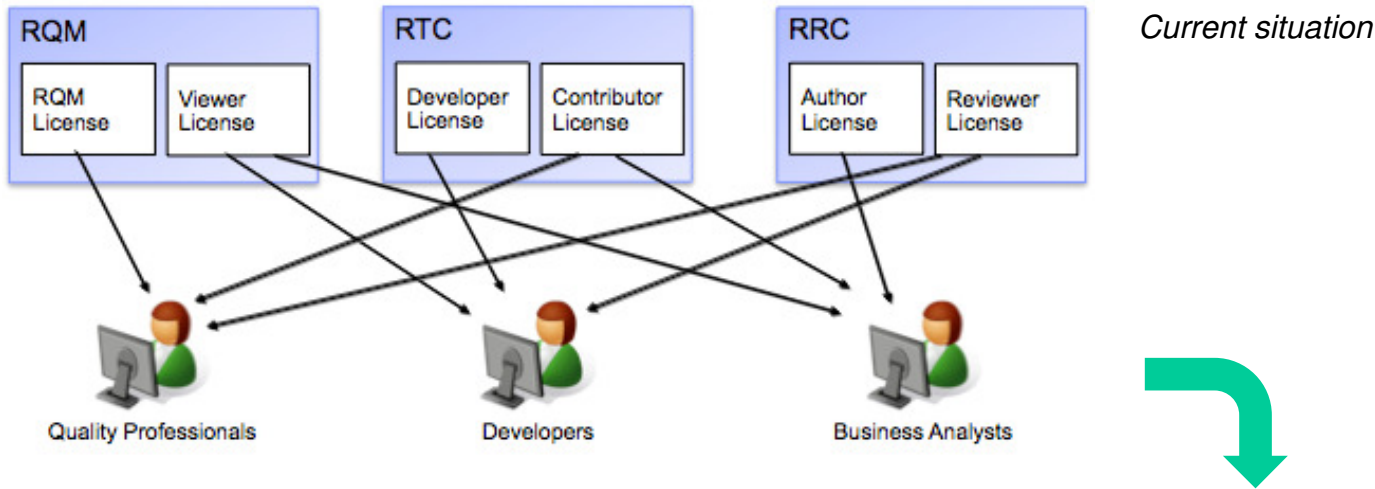
**Software. Everywhere.**

**June 5–9** Orlando, Florida

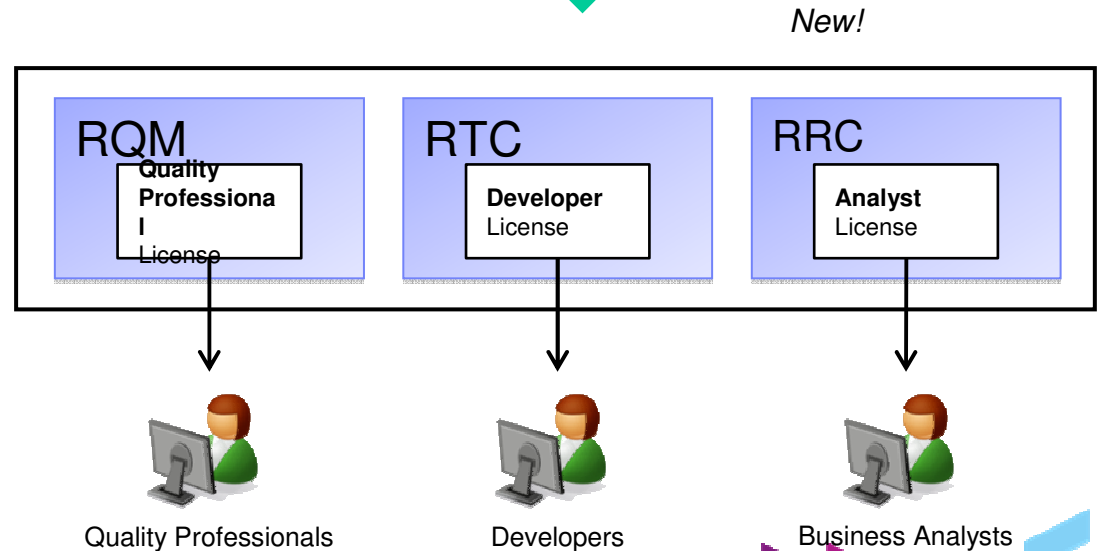


# Simpler Packaging & Licensing

*Reduce Cost of Ownership & Administration*



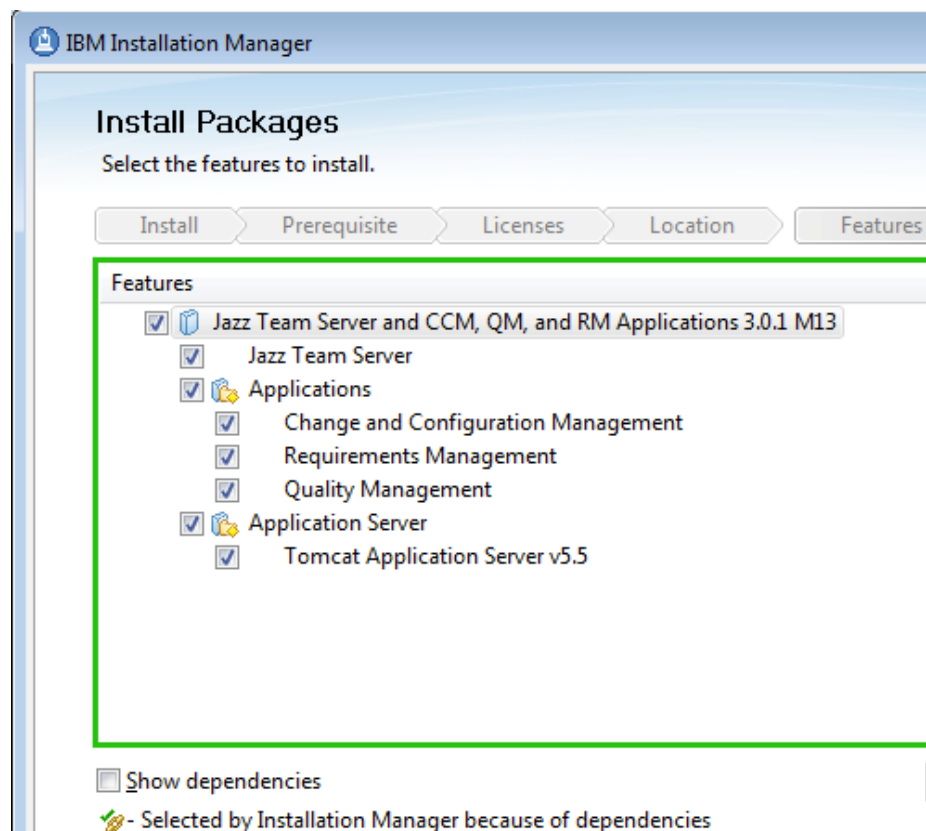
- Removed server based pricing on all applications
- Purchase role-based client licenses
- Licenses have CLM integration built in that provide cross product access (no need to buy additional role-based licenses)



## Simpler Installation

*Reduce Cost of Ownership & Administration*

- One download contains all three applications
- Can install all applications in one location or spread across systems
- Reporting is not part of the install

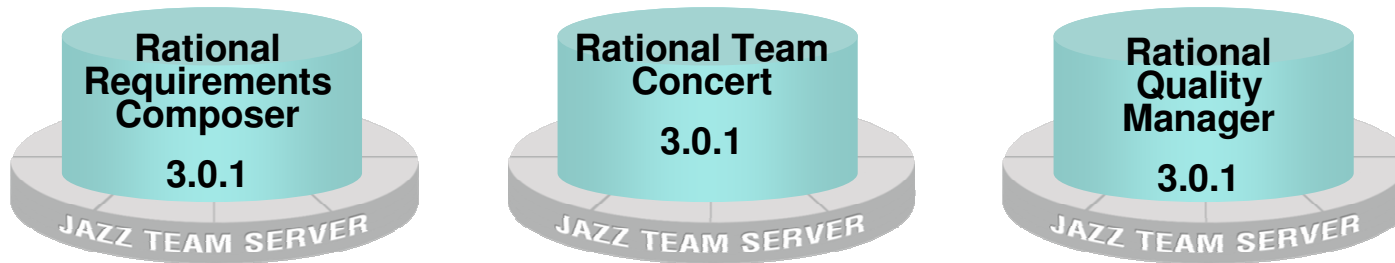


# Easier to Set-up & Easier to try

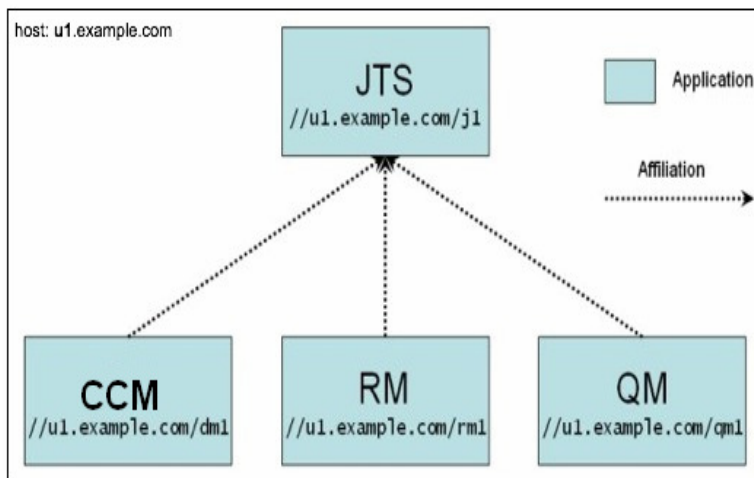
- Runs on a laptop  
– Tomcat, derby
- Set-up in less than 30' (your performance may vary)
- Get started on a fully functional sample

# Flexible Deployment Options

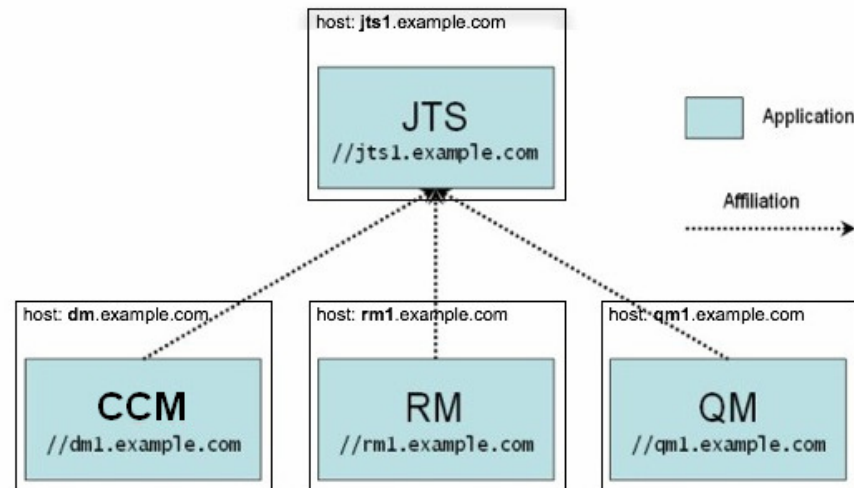
*Reduce Cost of Ownership & Administration*



a) Silo'd product configuration, one product, one JTS, per app server – same as 2.0



b) Multiple products deployed into a single application server, shared JTS

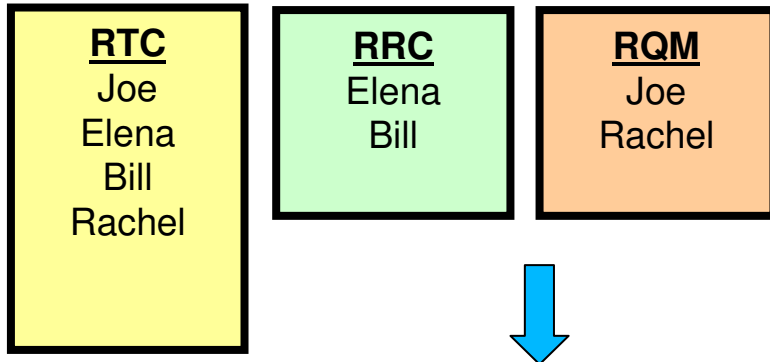


c) Multiple products deployed into multiple application servers for increased scalability, shared JTS

# Easier to Administer: User Management

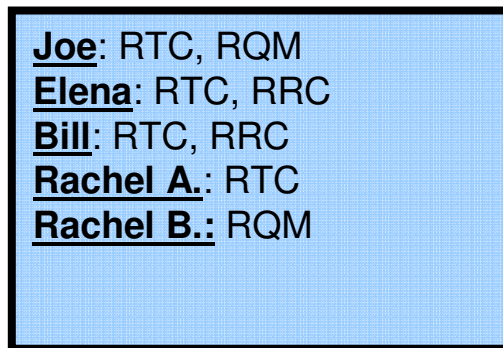
## *Reduce Cost of Ownership & Administration*

- A single user account across all Jazz tools *and*
- A single admin UI for modifying those accounts
- From this level of uncertainty:



- Is that the same Bill on RTC and RRC?
- Does Joe have all the rights he should?
- Are there two different Rachels?

- To this level of clarity:



- Bill has access to RTC and RRC
- Joe has rights to RTC and RQM
- There are two different Rachels, Rachel A. and Rachel B.

# Easier to Learn – Sample Application

## Reduce Cost of Ownership & Administration

Rational Jazz Team Server  
Lifecycle Project Administration  
Projects Members Templates **Sample** Configuration

### Welcome to the Money that Matters sample

**Create sample project**  
This sample provides an in-flight perspective of the collaborations that occur on a typical Agile team. Walk through an iteration with the team as they deliver a new feature to support an important corporate initiative called Money that Matters. To learn more about the Money that Matters sample, check out the 'Find out more' section.

Please select the applications to install the sample in:

- Requirement Server (<https://wb.clm.com:9443/rm>)
- Quality Management (<https://wb.clm.com:9443/qm>)
- Change and Configuration Management (<https://wb.clm.com:9443/ccm>)

We strongly recommend that you deploy the sample project to a test server or your local host, not a production server.

**Create**

Rational Jazz Team Server  
Lifecycle Project Administration  
Projects Members Templates Sample Configuration

### Welcome to the Money that Matters sample

Please wait while we create the Money that Matters sample for you...

Sample creation in progress... (7% complete)

- ✓ Running pre-validation checks
- ➔ **Creating users** ...
- Initializing cross application communication
- Creating project area 'JKE Business Recovery Matters (Requirements)' in Requirement Server
- Creating project area 'JKE Banking (Development)' in Change and Configuration Management

### Welcome to the Money that Matters sample

✓ You have successfully created the sample.

Select one of the following projects to explore:

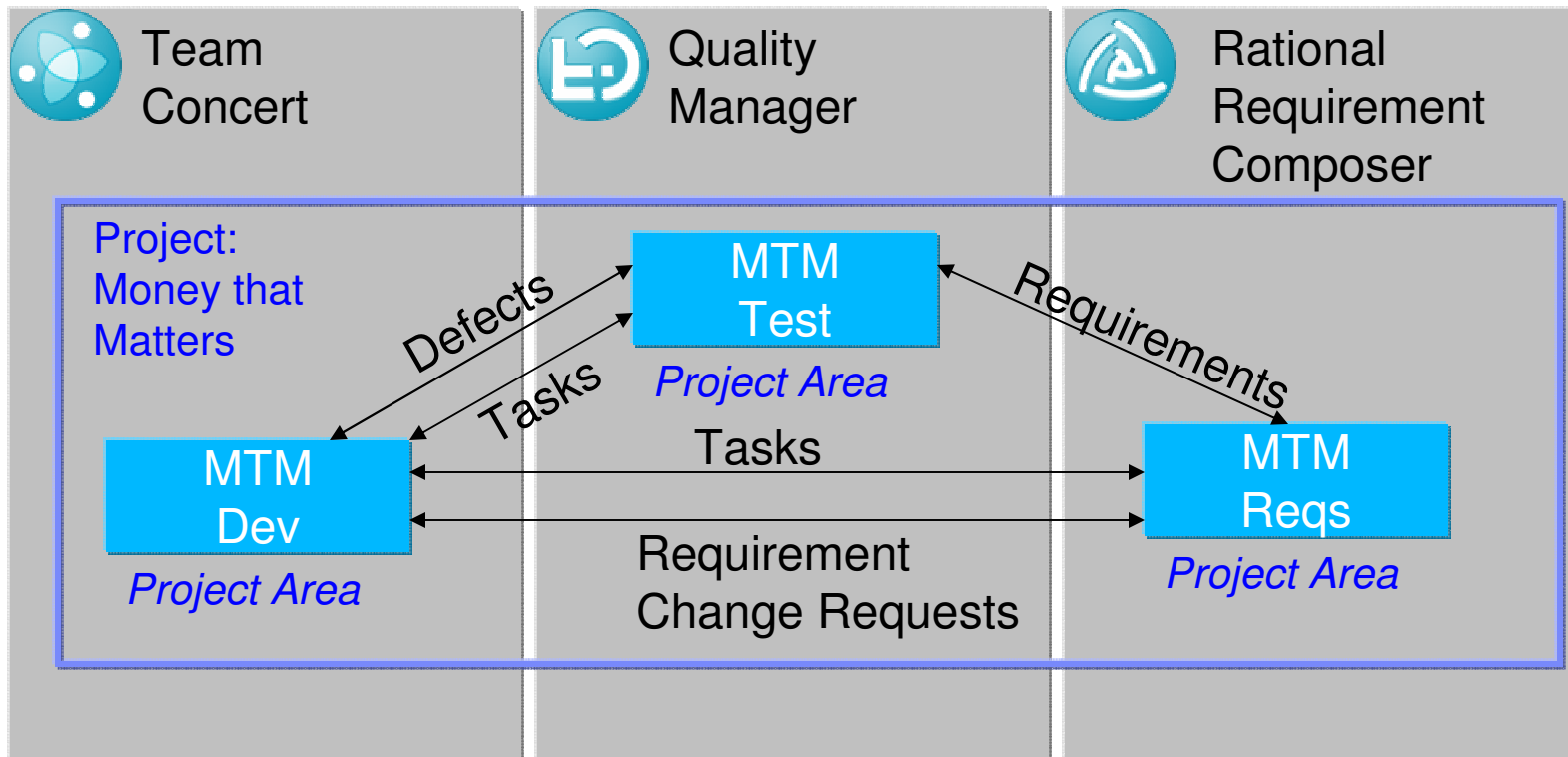
- Quality Management** (<https://wb.clm.com:9443/qm>)
  - Explore JKE Banking project
  - Manage project
- Requirement Server** (<https://wb.clm.com:9443/rm>)
  - Explore JKE Banking project
  - Manage project
- Change and Configuration Management** (<https://wb.clm.com:9443/ccm>)
  - Explore JKE Banking project
  - Manage project



# CLM Integrations

*Improve Productivity*

Collaborative lifecycle management coordinates people, processes, and information in an iterative cycle of software and systems delivery



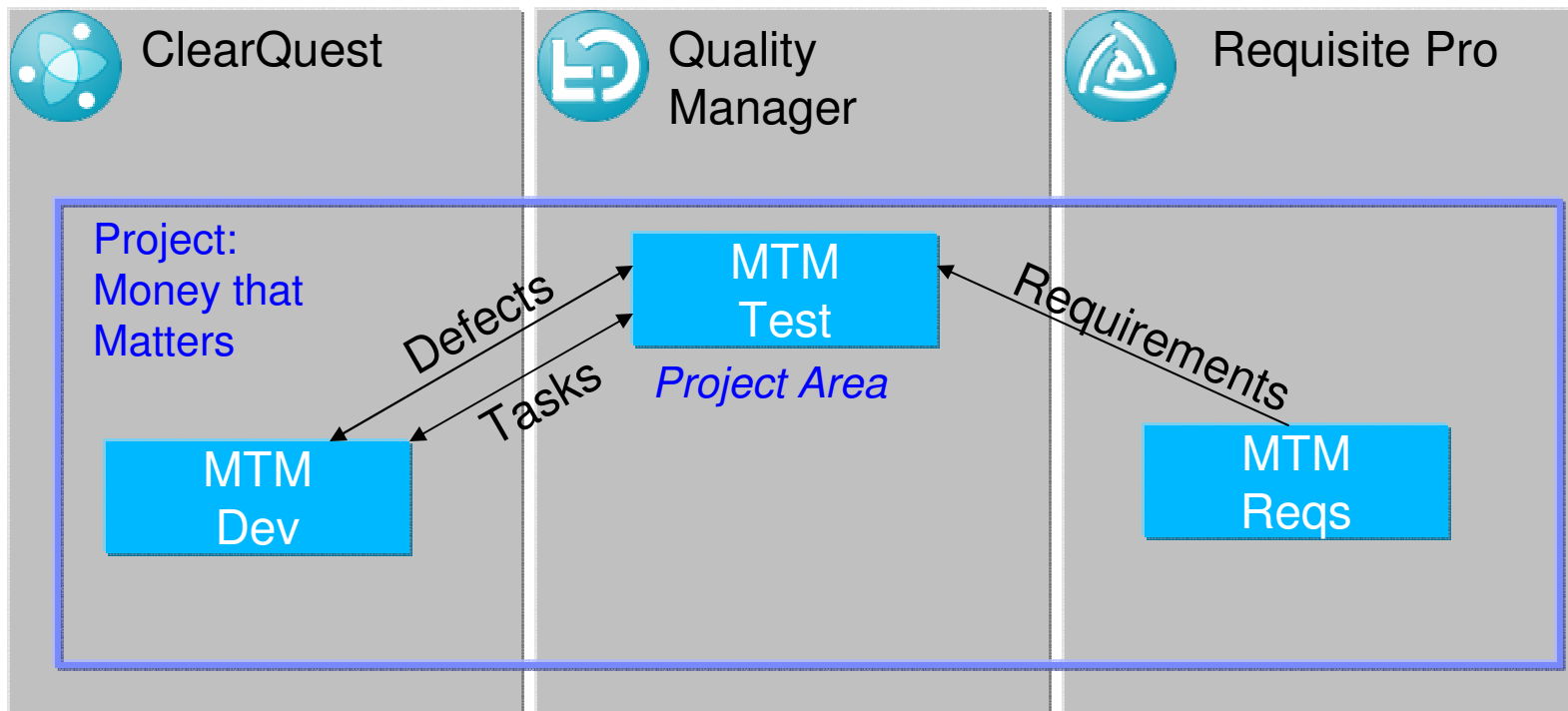


# CLM Integrations

*Improve Productivity*

Significant improvements in ReqPro and ClearQuest integrations

- Support for ReqPro Views and Packages
- Automatic reconciliation of Requirements and Test Cases
- Bi-directional links with ClearQuest
- Rich Hovers for ClearQuest artifacts



# Robust Requirement Integrations

Rational Quality Manager now leverages common requirements support for defining test requirements. This allows customers to use a single requirement systems for their collaborative lifecycle management solution and seamlessly upgrade to Rational Requirements Composer.

The screenshot displays the Rational Requirements Composer web application interface. On the left is a navigation sidebar with icons for Requirements, Planning, Construction, Lab Management, Builds, Execution, Reports, and Defects. The main content area is titled 'Classic CD (Requirements) (cim.ibm.com:9443)' and contains a 'Create new Requirement or Requirement collection' dialog box. This dialog has fields for Name, Artifact Type, Artifact Format, Description, Location (Folder: root), and Tags. Below the dialog, there is a 'View All Artifacts' section with a table listing various requirements and test plan collections. Two black arrows point from the 'Create new Requirement or Requirement collection' button in the sidebar to the dialog box and the 'View All Artifacts' table.

ID	Name	Artifact Type	Last Modified
1	Add CD to Cart	Requirement	john
2	Remove CD from Cart	Requirement	john
3	Update CD in Cart	Requirement	john
4	Add CD to Catalog	Requirement	john
5	Remove CD from Catalog	Requirement	john
6	Update CD in Catalog	Requirement	john
7	Classic CD V3.1	Test Plan Collection	john
8	Classic CD V3.2	Test Plan Collection	john

## Common work item support

Rational Quality Manager now leverages common workitem support for its out of the box defects and task quality work items. This allows customers to use a single work item repository for both Rational Quality Manager, Rational Team Concert, Rational Requirement Composer users. The My Task viewlet in the dashboard is also updated to display remote tasks stored in the task provider.

Name	Description
▼ Predefined (24)	
Blocked Work Items	
Closed created by me	Work items I have created which have been resolved
Closed subscribed by me	My subscriptions to resolved work items
My current work	Work Items in progress and assigned to me
New unassigned	New work items without an owner in my team areas
Open Adoptions	
Open assigned to me	Work items I own which are open or in progress
Open assigned to me (current sprint)	To do list for the current sprint
Open created by me	Work items I have created which are open or in progress
Open Epics	
Open Impediments	
Open Stories	
Open subscribed by me	My subscriptions to open or in progress work items
Open Track Build Items	All unresolved Track Build Items

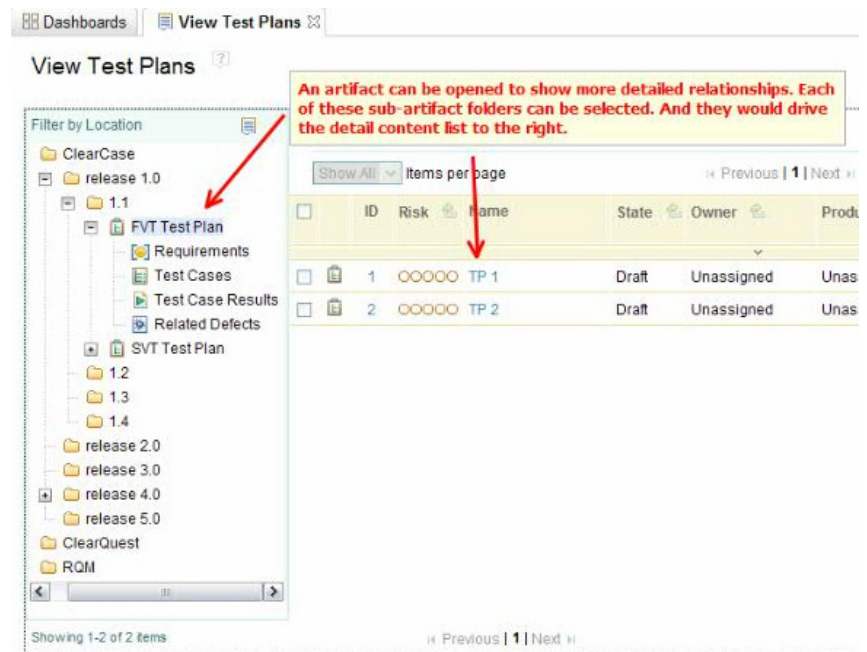
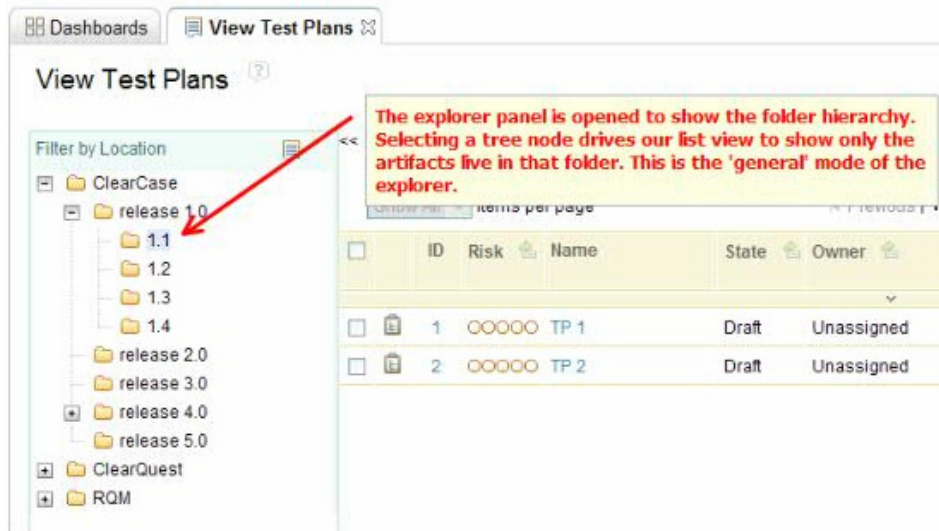
## Custom attributes on test artifacts

Users can now define custom attributes on various artifact types, including test plans, test cases, test scripts, test suites, test case results, and test suite results.

The screenshot displays the 'Test Plan 1' configuration page in the IBM Rational Test Manager. The interface includes a navigation menu on the left with sections like 'Summary', 'Business Objectives', and 'Test Objectives'. The main content area shows the test plan details, including the originator (ADMIN), owner (Unassigned), and state (Draft). A 'Summary' section provides an overview of the test plan, with categories for Product, Release, and Test Phase, all currently set to 'Unassigned'. A red box highlights the 'Attributes' section, which contains three custom attributes: 'My Date/Time Attribute' (set to Aug 12, 2010, 3:15 PM), 'My Integer Attribute' (set to 3), and 'My String Attribute' (set to 'Hi my name is').

# Organization of large number of Assets (aka folders)

- For large number of Test Assets users need to easily organize assets and display in a hierarchical visual manner.
  - ▶ Demanded by both IT and Systems accounts
  - ▶ Dynamic rendering of assets in user definable folder style relationships
  - ▶ Looks and feels like folders while maintaining total reuse capabilities
    - E.g. same test case can belong to 1..m Test Plans
  - ▶ Users can define relationships between folders (dependent pick lists)
  - ▶ Required attributes provided





## Saved filters in the Table listing view

The filters in the Table listing view can be saved as queries and retrieved at a later time.

The screenshot shows the 'View Test Plans' interface. At the top, there are tabs for 'Dashboards' and 'View Test Plans'. Below the tabs, the title 'View Test Plans' is displayed. The interface includes a 'Group by' dropdown set to 'Ungrouped' and a 'View as' dropdown set to 'Table'. A 'Manage Queries' button is visible. A search bar labeled 'Type Filter Text' is present. Below the search bar, there are several filter dropdowns for 'Risk' (set to 'Any'), 'State' (set to 'Any'), and 'Owner' (set to 'Any'). A 'Run' button is located to the right of these filters. A table of test plans is displayed below the filters, with columns for ID, Risk, Name, State, Owner, Product, Release, Test Phase, and Modified. The table contains three rows of data. A 'Saved query selector' dropdown is located below the table, currently showing 'No query selected'. A 'Slider sash to hide/show filters section' is also visible. Red arrows point from callout boxes to the 'Manage Queries' button, the 'Run' button, the 'Saved query selector', and the slider sash.

ID	Risk	Name	State	Owner	Product	Release	Test Phase	Modified
1	○○○○○	My Test Plan 1	Draft	ADMIN	Unassigned	Unassigned	Unassigned	Yesterday...
2	○○○○○	Another Test Plan	Draft	Unassigned	Unassigned	Unassigned	Unassigned	2 minute...
3	○○○○○	TP 02	Draft	Unassigned	Unassigned	Unassigned	Unassigned	1 minute ...

## Offline manual test execution

Users can run manual tests in offline mode. Users can initiate this by going to the Test Execution Record (TER) table, selecting a TER, and clicking Run Offline.

### View Test Execution Records ?

Group by: Ungrouped ▼ Type Filter Text

Show All ▼ Items per page « Previous | 1 | Next »

<input type="checkbox"/>	Name	Risk	Test Case	Test Environment	Test Plan	Test Milestone	Owner	Test Script	Blocking Status	Run
<input type="checkbox"/>	ClassicsC...	○○○○○	OrderCD...	Unassign...	Classics Te...	Unassi...	Unassign...	Classics CD OrderFor		
<input checked="" type="checkbox"/>	Innovate-I...	○○○○○	Innovate...	Unassign...	Unassigned	Unassi...	Unassign...	InnovateLogo Test		2 hours ... 8 min...
<input type="checkbox"/>	Login to G...	○○○○○	Login to...	Unassign...	Unassigned	Unassi...	ADMIN	Login TestScript		2 hours ... 2 hou...

Run  
Resume Execution  
Create Result without Execution  
Run Offline



## Improve cross-product visibility and reporting

Includes a common data warehouse for cross-product reporting across the Jazz based products for both “in the box” and customized reporting.

Requirement	Test Plan	Test Case	TER	TER Result	Defect	Defect State
Add CD to Cart	Classic CD V3.1	Add CD to Cart	Add CD to Cart_windows 2003_DB 2	Failed	Failing Test Case "Add CD to Cart" when executing Test Execution Record "Add CD to Cart_windows 2003_DB 2"	New
Checkout	Classic CD V3.1	Checkout	Checkout_windows 2003_DB 2	Failed	Failing Test Case "Checkout" when executing Test Execution Record "Checkout_windows New 2003_DB 2"	New
Order Status	Classic CD V3.1	Order Status	Order Status_windows 2003_Oracle 10g	Passed		
Remove CD from Cart	Classic CD V3.1	Remove CD from Cart	Remove CD from Cart_windows 2003_SQL server 2005	Failed	Failing Test Case "Remove CD from Cart" when executing Test Execution Record "Remove CD from Cart_windows 2003_SQL server ..." Failing Test Case "Remove CD from Cart" when executing Test Execution Record "Remove CD from Cart_windows 2003_SQL server ..."	New New

## Test suite enhancements

A number of new management capabilities have been added to test suites to bring them in line with test plans and test cases. Test suites now support templates, formal review, and sections.

The screenshot displays the 'CD test suite' configuration page in a web application. The interface includes a navigation menu on the left with sections like 'Table Of Contents', 'Summary', 'Test Suite Design', 'Formal Review', 'Pre-Condition', 'Post-Condition', 'Expected Results', 'Requirements', 'Requirement Links', 'Risk Assessment', 'Test Cases', 'Suite Execution Record', and 'Attachments'. The main content area shows the 'CD test suite' details, including the originator (qmuser), owner (qmuser), action (Select Action), and state (Under Review). A description field contains 'CD Test Suite'. Below this is a 'Summary' section with a 'Work Item: Create' link and a text prompt: 'Use the theme, category and function features to group your test suites along related items or logical groupings.' The 'Categories' section contains four dropdown menus: 'Category' (FVT), 'Function' (Login), 'Test Phase' (Developer Test), and 'Theme' (Base function). The interface also features 'Discard Changes' and 'Save' buttons, and a confirmation message: 'Saved successfully at: 13:38:30'.

## History view

A new history view in the test plan and test case editors allows you to see audit history.



### Classics CD testplan

[Test Plan Overview](#) | [View Snapshots](#) | [View History](#)

Items per page

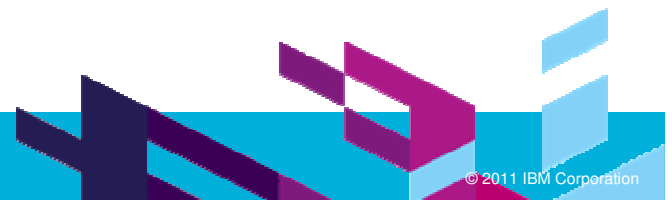
[Previous](#) | [Page 1 of 1](#) | [Next](#)

Modified date:	6/3/10 3:51 PM
Modified by:	qmuser
Description	This is a testplan for classics CD
Modified date:	6/3/10 3:51 PM
Modified by:	qmuser
Name	Classics CD testplan
State	Draft
Template	Default Test Plan Template

# QUESTIONS



[www.ibm.com/software/rational](http://www.ibm.com/software/rational)



## Daily iPod Touch giveaway

- Complete your session surveys online each day at a conference kiosk or on your Innovate 2011 Portal!
- Each day that you complete all of that day's session surveys, your name will be entered to win the daily IPOD touch!
- On Wednesday be sure to complete your full conference evaluation to receive your free conference t-shirt!

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