



## **What's New in Rational Team Concert v3.0.1**

### **CLM 2011: Reduce Complexity Automate Traceability**

Announced June 6<sup>th</sup>, 2011

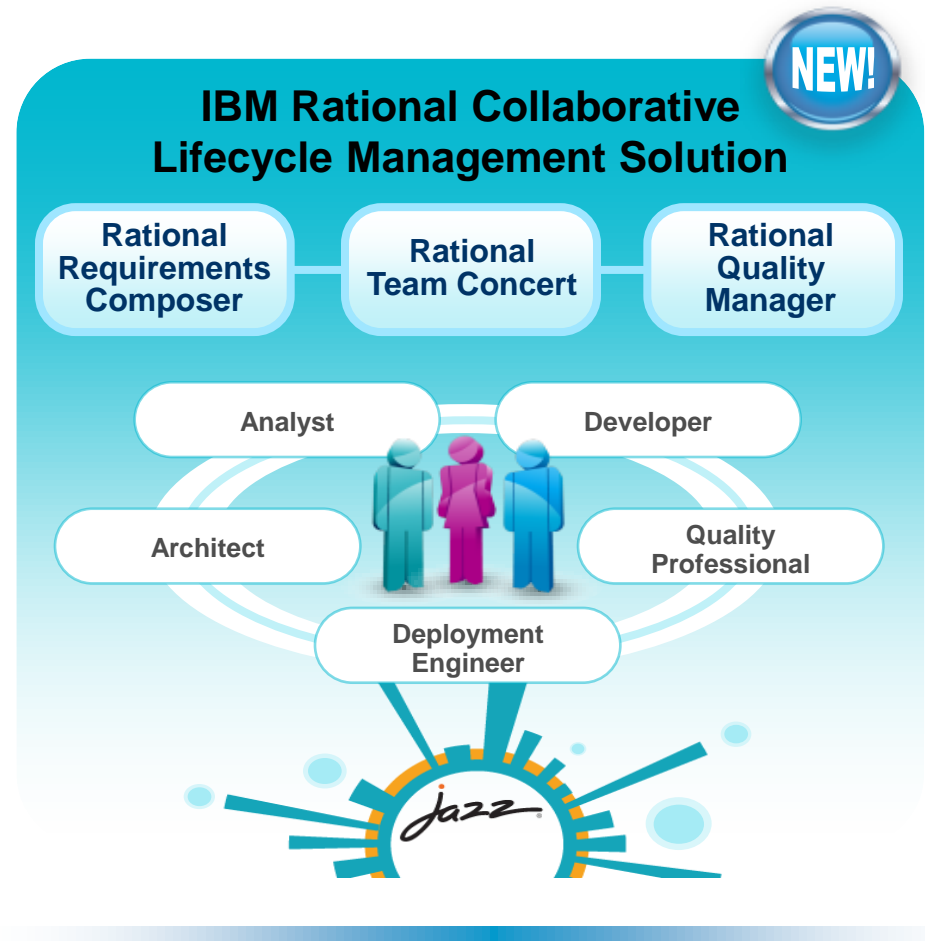
Let's **build** a smarter planet.



# IBM Rational Solution for Collaborative Lifecycle Management

*Improve productivity with an integrated ALM solution*

- **Optimize your team through support of the 5 ALM Imperatives**
  - Real-time planning
  - Lifecycle traceability
  - In-context collaboration
  - Development Intelligence
  - Continuous Improvement
- **Get up and running quickly**
- **Extend as your needs evolve**
- **Support heterogeneous development across multiple platforms and technologies**



# CLM 2011 – Reduce Complexity

- ***Simpler Packaging for Collaborative LifeCycle Management***

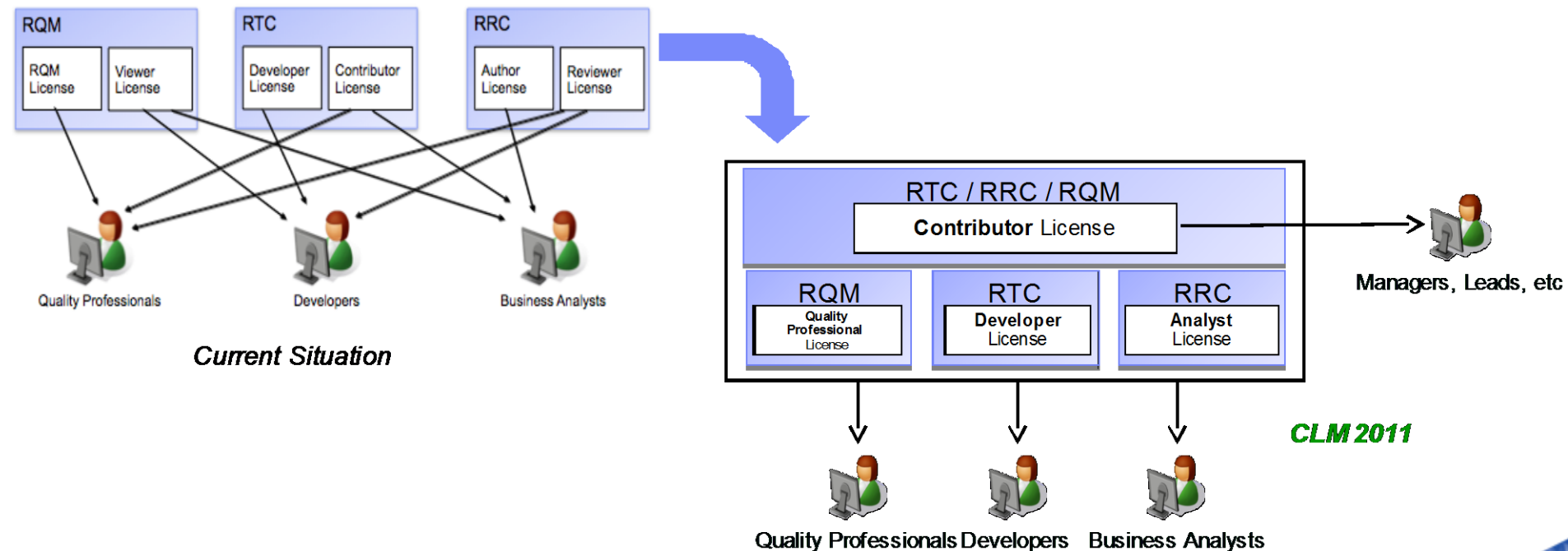
- ▶ *Role Based User Licensing*
- ▶ *Built In Read Access Across RTC – RQM - RRC*
- ▶ *Common User Administration*



# Simpler Packaging & Licensing – CLM 2011

## *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)



# RTC 3.0.1 – Role Based Licensing – With New CLM Viewing



	Stakeholder	Contributor	Developer for Workgroups*	Developer	Dev. for IBM Ent. Platforms
	End Users Customers	Project Managers Planners/ Leads	Developers Team	Developers Team of Teams	System z / Power Developers
Collaboration Platform	✓	✓	✓	✓	✓
View Project Status / View Reports	✓	✓	✓	✓	✓
Work Items	✓	✓	✓	✓	✓
CLM Read Access (RRC, RQM v3)		✓	✓	✓	✓
Planning: Agile, Formal, Hybrid		✓	✓	✓	✓
Continuous Integration - Builds			✓	✓	✓
Advanced Source Control			✓	✓	✓
Distributed SCM and HA**				✓	✓
Advanced System Z and Power Features					✓
Floating or Token Licensing	Yes	Yes	No	Yes	Yes

\*Developer for Workgroups is Authorized User only. Limit 50 per licensed server group.

\*\*Cross repository Distributed SCM and High Availability Support are enabled only when ALL licenses are RTC Developer or RTC Developer for IBM Enterprise Platforms

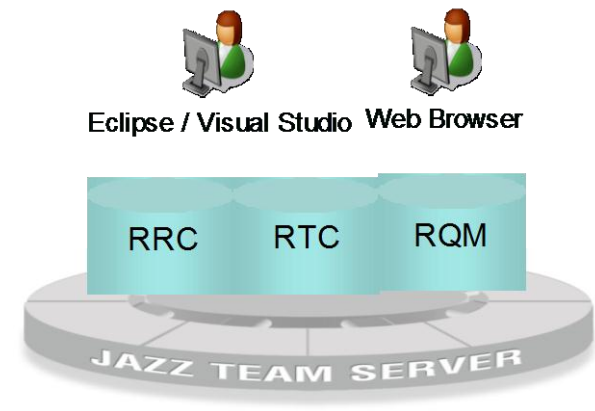
# Common User Administration – Flexible Deployment Options

*Reduce Cost of Ownership & Administration*

- Manage all members of a lifecycle project together
- Deploy multiple CLM applications on a shared Jazz Team Server
- Deploy multiple CCM (RTC) applications on a shared Jazz Team Server
- Authenticate once across CLM applications

Name	User ID	CCM	QM	RM
Al	al	✓	✓	✓
Bob	bob	✓	✓	✓
Build	build	✓		
cp	cp	✓	✓	✓
Curtis	curtis			✓

Common User Administration



Flexible Deployment Options

# What's New in RTC 3.0.1? - Automate Traceability

- ***Improve Cross-Product Visibility and Reporting***

- ▶ *Cross Capability Reporting*
- ▶ *Enhanced Traceability and LifeCycle Queries*
- ▶ *Improved Dashboard Mashups Across CLM*



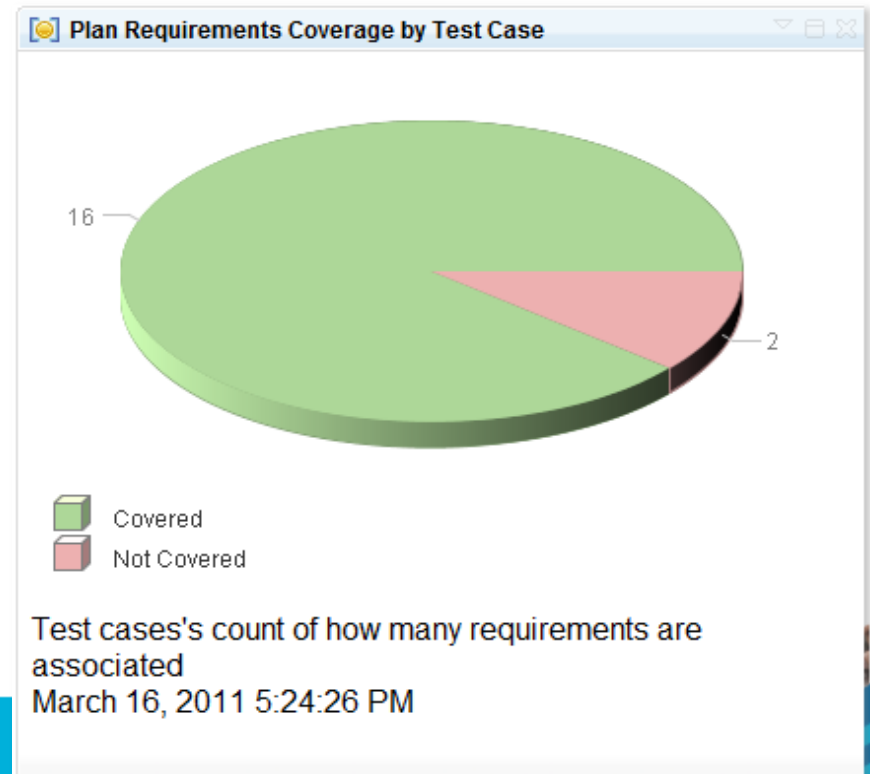
# Cross-capability Reporting

## Cross-product Visibility and Reporting

- Traceability reports for a lifecycle project now come out of the box
- We will ship a number of out-of-the-box reports and document templates, implemented in BIRT. In addition, a number of advanced reports, implemented in Cognos, will serve as the basis for customization by end users. The Out-of-the-box reports page details each of these reports.

Plan Requirements Not Covered Detail			
Requirements not covered by test cases			
Test plan	Requirement ID	Requirement name	Requirement owner
JKE Banking Release 1	54	Dividend processing payment is a one time transaction.	
	109	The car must stop at the red light	

March 16, 2011 5:24:23 PM





# Enhanced lifecycle queries – in Rational Team Concert

## *Cross-product Visibility and Reporting*

Queries ?

My Queries

Shared Queries

Name	Description
► Predefined (32)	
▼ Lifecycle Queries (17)	
🔑 Defects affecting Requirements	Open defects that affect requirements
🔑 Defects affecting Tests (current iteration)	Open work items in the current iteration that affect at least one test
🔑 Defects blocking Tests	Open work items that block at least one test
🔑 Defects ready for testing	Work items ready for testing that are associated with tests
🔑 Open Requirement Change Requests	Open change requests that track a requirement
🔑 Plan Items affected by Defects	Plan items that are affected by at least one defect
🔑 Plan Items implementing Requirements	Open work items implementing requirements
🔑 Plan items ready for testing	Plan items ready for testing with associated with tests
🔑 Plan Items tested successfully	Work items associated with tests that do not fail
🔑 Plan Items tested successfully (current iteration)	Work items in the current iteration associated with tests that do not fail
🔑 Plan Items with failing Tests	Open work items associated with at least one failing test
🔑 Plan Items with failing Tests (current iteration)	Open work items in the current iteration associated with at least one failing test
🔑 Plan Items with no Requirement	Plan Items not associated with a Requirement
🔑 Plan Items with no Test Case	Plan items without any associated test
🔑 Plan Items with no Test Case (current iteration)	Plan items in the current iteration without any associated test
🔑 Plan Items with Tests not run	Open work items associated with tests that have not been executed
🔑 Plan Items with Tests not run (current iteration)	Open work items in the current iteration associated with tests that not been executed

Use to locate work items

Use on dashboard mashups across applications

# Work item links across CLM

## Strengthen CLM integrations

### Story 83

Summary: \*

Donor Chooses Multiple Organizations

Overview Acceptance **Links** Approvals History

#### Attachments

Add File:  Browse...

No Attachments.

#### Links

Add: Children

##### Tested By Test Case

→ 30: Allocate Dividends to multiple causes

##### Children

→ 89: Analyze impact of this screen flow design

→ 88: Update the story board to reflect multiple organizations

→ 86: Update cobol

→ 85: Implement user interface

→ 87: Construct test case

##### Implements Requirement

→ 117: Donor Chooses Multiple Organizations

### Bob's Dashboard

Analyst in Composer

General

#### My Tasks

Type Filter Text

Previous | 1 - 1 of 1 | Next

ID	Summary	Artifact	State
98	Update the story board to reflect multiple organizations		New

Previous | 1 - 1 of 1 | Next

### Tanuj's Dashboard

Tester in Quality Manager

General

#### My Tasks

Type Filter Text

Previous | 1 - 1 of 1 | Next

ID	Summary	Artifact	State
87	Construct test case		New

Previous | 1 - 1 of 1 | Next

# Team leads improve release quality & predictability

- Proactively respond to gaps as they surface through out the project
- Issues quickly highlighted and resolved

**JKE Banking (Change Management)** JTSAdmin

Project Dashboards ▾ Work Items ▾ Plans ▾ Source Control ▾ Builds ▾ Reports ▾

Search Work Items

**BRM Sprint 2 (1.0) Plan** \* ?

26 items: 23 open, 3 closed | Ends in: 10 days

Plan Details [Edit](#)

Planned Items ? [Links](#) [Snapshots](#) [Dashboard](#) [Notes](#)

View As: Traceability (17 items filtered) [Add Work Item](#)

Actions	Summary	Implements Requirement	Tested By Test Case	Affected by Defect
<b>Issue</b>	<a href="#">Donor Dividend Allocation Criteria</a>	<a href="#">Donor Dividend Allocation Criteria</a>	<a href="#">Donor dividend allocation conforms to st</a>	<a href="#">-39: Failing Test C</a>
	<a href="#">Frequency of dividend transfer</a>	<a href="#">Frequency of dividend transfer</a>	<a href="#">Verify dividend transfer frequency</a>	--
<b>Incomplete</b>	<a href="#">Requests sent in form of email</a>	<a href="#">Requests sent in form of email</a>	--	--
	<a href="#">Organization must identify how much money is de</a>	--	--	--
<b>Complete</b>	<a href="#">Organizations may apply with an initial request</a>	<a href="#">Organizations may apply with an initial request</a>	<a href="#">Organizations may apply with an initial re</a>	--
	<a href="#">Customers can Nominate an Organization</a>	<a href="#">Customers can nominate an organization for th</a>	<a href="#">Customers can Nominate an Organizati</a>	--
	<a href="#">Organization must provide justification for why fun</a>	<a href="#">Organization must provide justification for why f</a>	<a href="#">Organization must provide justification fo</a>	<a href="#">Links (2): 1, 2</a>
	<a href="#">Organizations can Apply</a>	<a href="#">Organizations can apply</a>	--	--
	<a href="#">JKE Charity Coordinator will respond to request in</a>	<a href="#">JKE Charity Coordinator will respond to request</a>	<a href="#">JKE Charity Coordinator responds to onl</a>	--

# Dashboards and queries automate status reporting

**JKE Banking (Quality Management)**

Requirements Planning Construction Lab Management Builds Execution Reports Defects

Search QM Resources

**Dashboards**

All JKE Banking (Quality Management) Dashboards >

General Lifecycle Test Case State Requirements Tracing Development Defects

### Requirements

Information about requirements coverage

**Requirement Changes in All Projects (100)**

- Donor Chooses Multiple Organizations (117) 3 days ago
- Release 1 Planning (14) 4 days ago
- The car must stop at the red light (116) 4 days ago
- Allocate dividends by Percentage (90) 5 days ago
- Organization must provide justification for why funds are needed (13) 6 days ago
- Organizations can apply (77) 6 days ago
- Donors will receive confirmation and receipt (80) 6 days ago

Page 1 of 10

### Development

Alignment with Development

**Plan Items with no Requirement (1)**

- 70: Support Dividend Processing via Mobile Devices

**Plan Items implementing Requirements (17)**

- 83: Donor Chooses Multiple Organizations
- 75: Provide a feed for world catastrophic events
- 74: Support Corporate Interface Guidelines
- 68: JKE Charity Coordinator will respond to request in the website triggering
- 67: Donor Dividend Allocation Criteria
- 66: Organizations can Apply
- 64: Donation by amount
- 63: Organization must provide justification for why funds are needed
- 61: Customers can Nominate an Organization

Page 1 of 2

### Testing

Test Information

**Plan Items with no Test Case (4)**

- 83: Donor Chooses Multiple Organizations
- 74: Support Corporate Interface Guidelines
- 70: Support Dividend Processing via Mobile Devices

**Plan Requirements Coverage by Test Case**

Test Case	Coverage Count
83: Donor Chooses Multiple Organizations	16
74: Support Corporate Interface Guidelines	1
70: Support Dividend Processing via Mobile Devices	1

# What's New in RTC 3.0.1?

## ■ Enhanced Security Use Cases

- ▶ *Read permissions for work items at the team area level*
- ▶ *Restrict visibility to SCM components and streams*
- ▶ *Ability to delete work items*

## ■ Improved Work Item Customization

- ▶ *Enhanced Bulk Work Item Editing*
- ▶ *Custom Attributes of type “Item” allows for custom linking*
- ▶ *Work Item viewlet search*
- ▶ *Rich Text Support*



## Work Item Read Permissions at Team Area Level

- **Problem:** I want multiple development teams to be able to isolate work from one another.

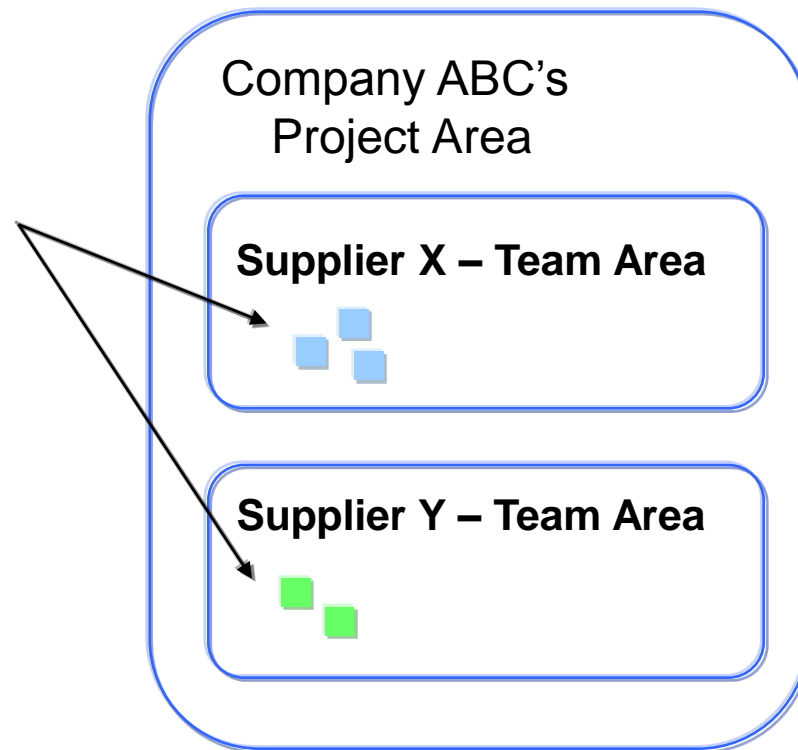
- **Example Use case:**

Each supplier has a team area

Each member of that team area

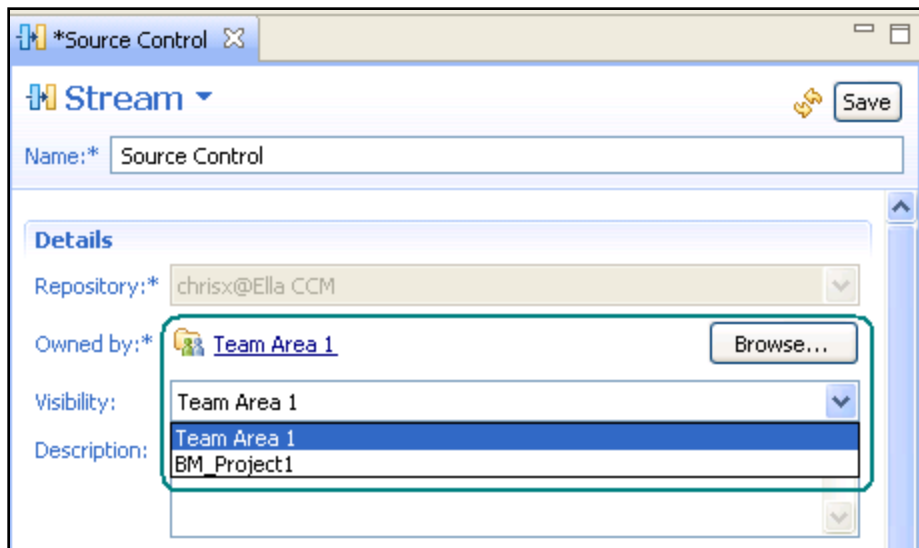
Can read work items in their team area but not in the others.

Company ABC can read all work items in all team areas under their Project Area



# Restrict team area visibility of SCM Components and Streams

- You can now have components and streams private to a team area and visible only to the users who are members of that team area.





## Ability to Delete Work Items

- **Problem: I need to expunge data from a project for security or IP reasons**
- Allows you to fix mistakes right away.
- Is also an issue for some secure development projects where data must be expunged if it accidentally ends up in the wrong “security” level
- Is also an IP protection issue for some companies who need to expunge data from the system that is more than x years old.



# Enhanced Bulk Work Item Editing

- For bulk work item editing we have added support for:

- Estimates
- Due Dates

The screenshot shows a table titled "Work Items" with 170 items found. The table has columns: Id, Status, P, S, Estimate, Due Date, and Summary. A context menu is open over item 406, showing options: Open, Change Estimate..., Create Work Item Template..., and Re-Run. The menu is highlighted with a red box.

Id	Status	P	S	Estimate	Due Date	Summary
409	New					Quick filtering does not respect comment
408	New			30 min		2011-12-08 PM SPT web UI should set the browser title for its various views
407	New			30 min		Include sub categories when quick filtering by a category
406	New					New work items disappear from Plan (don't filter unsaved work items when switching between owner and category)
405	New					Filter input to a source viewer
404	New			8 hour		Migrate the Quick
403	New					Width of the navigation area (web) not proportional to font size

The screenshot shows the "Edit Multiple Work Items (4 work items selected)" dialog box. It has two input fields: "Due Date" (17/03/2011) and "Estimate" (2h). A red box highlights these fields. Below the dialog is a table of work items.

Type	Id	Summary	Owned By	Status	Priority	Severity
<input checked="" type="checkbox"/>	401	Plan progress not updated when unassigning the plannedFor of all open workitems via a bulk operation	Isaac Newton	New		
<input checked="" type="checkbox"/>	402	Move Down not always working in categories grouping	Isaac Newton	New		
<input checked="" type="checkbox"/>	405	Slow performance when switching between owner and category mode in WEB/UI	Isaac Newton	New		

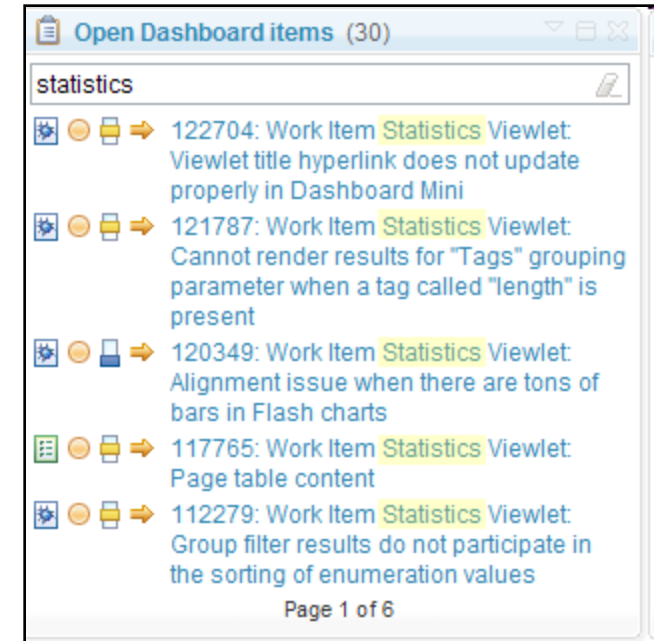
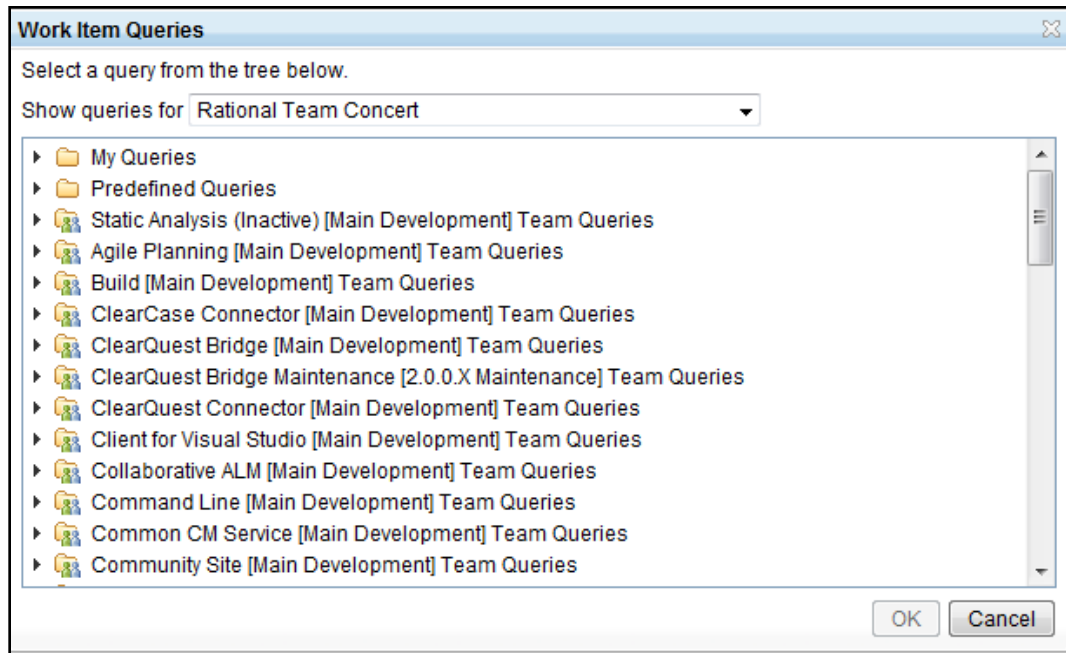
# Item Attributes

- You can now define a custom attribute of type **Item**.
- For example, you could add an 'SCM Component' attribute to indicate which component will be affected by an enhancement or defect fix.

The screenshot displays a software development tool interface. The main window shows an item titled '13: Support redundant oxygen sensors' with a sub-header 'Enhancement 13'. The summary is 'Support redundant oxygen sensors'. The 'Details' section includes fields for Type (Enhancement), Severity (Normal), Found In (Unassigned), Filed Against (Flying Car SW), SCM Component (Wing FADEC), Team Area (Flying Car Team), Created By (AD), Creation Date (Mar), Tags, Owned By, Priority, Planned For, and Due Date. A 'Quick Information' section shows 'Subscribers (1): A'. A 'Description' field contains the text: 'To avoid wing engine failure when an oxygen sensor fails, Two should do it.' A 'Select Component' dialog is open, showing a list of components: Wing FADEC (Flying Car Team), Autopilot (Flying Car Team), HUD UI (Flying Car Team), RTOS (Flying Car Team), and Tail FADEC (Flying Car Team). The 'Wing FADEC (Flying Car Team)' component is selected. The dialog also includes a search bar, a 'Filter...' button, and 'Cancel' and 'OK' buttons.

# Quickly locate work items of interest directly from Dashboards

- You can now select any work item query you like within all work item viewlets regardless of whether the viewlet is remote or located on a personal, team or project dashboard.
- The *Work Items viewlet* also allows users to filter work item query results via text.



# What's New in RTC 3.0.1?

## ■ Planning Usability

- ▶ *Report viewlets available in plans*
- ▶ *Filters in plans to quickly locate work items*
- ▶ *Fine grained estimation for work items*

## ■ SCM and Build Enhancements

- ▶ *Continue working if your target stream is offline*
- ▶ *Post Build Deliver*
  - *Automate delivery of changes to improve green builds*



# Reporting viewlets are now available in Plans

- You can now view live reports in a plan and customize them

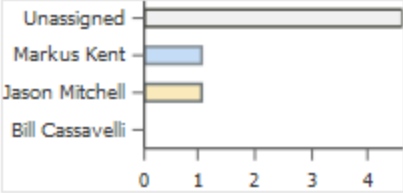
**Add Widget**

Select Catalog: ? [Change and Configuration Management \(localhost\)](#)

**Select Category**

- All
- Build
- Feeds
- General
- Help
- Plans**
- Process Authoring
- Project/Team
- Reports
- Source Control

?

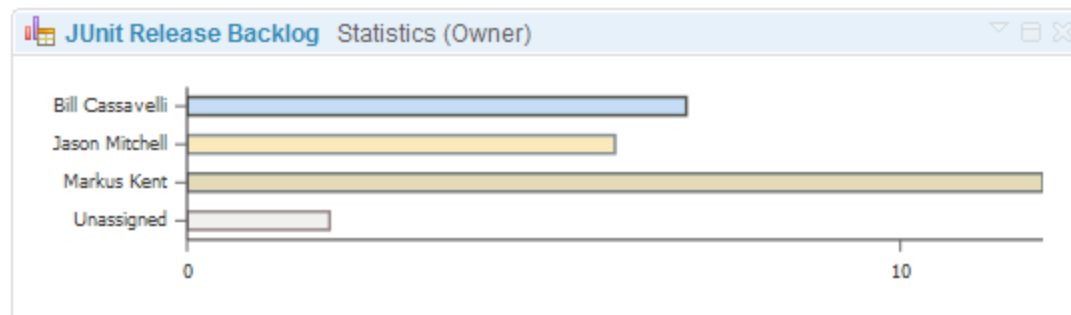
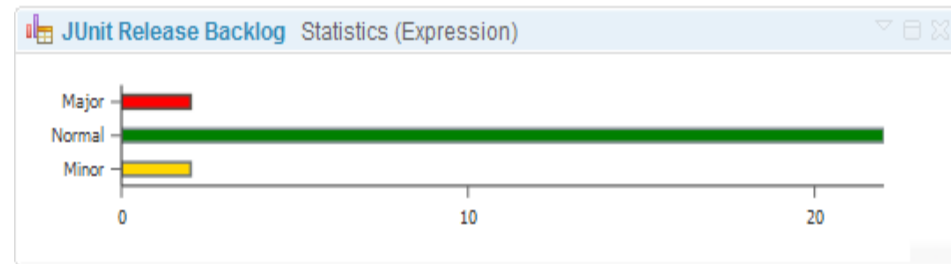


Owner	Count
Unassigned	4
Markus Kent	1
Jason Mitchell	1
Bill Cassavelli	0

**Plan Statistics**

[+ Add Widget](#)

Shows a report representation of the plan broken down by a configurable criteria. In contrast ...



# Filters in Plans

- Need to quickly locate a work item in a large plan?
  - ▶ Now you can filter based on a work items *summary* or *id number* directly from any plan.

Planned Items ?

Links

Snapshots

Dashboard

Notes

View As: Ranked List

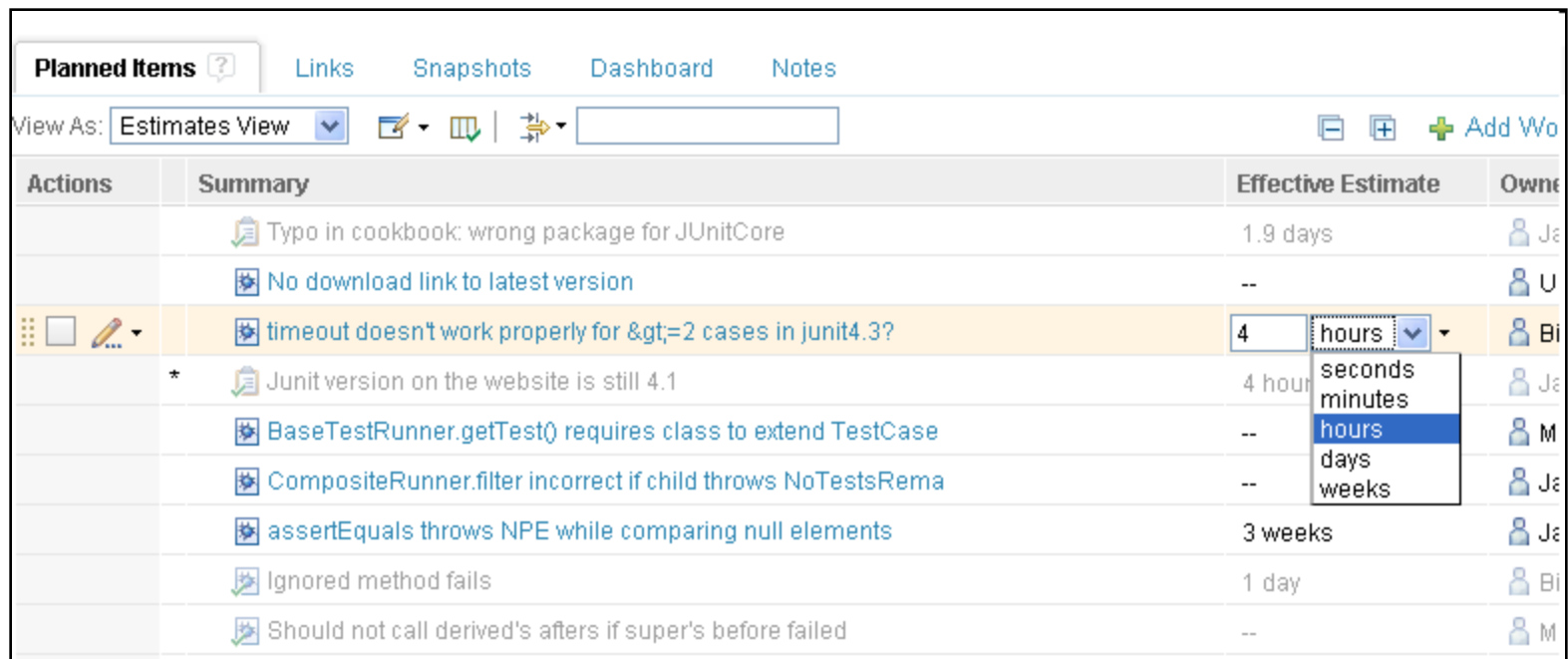
method (21 items filtered)

+ Add Work Item

Actions	Summary	Rank
	<div><div></div>Tests on protected methods fail</div>	19
	<div><div></div>Implement testing() method</div>	24
	<div><div></div>Method onTestAfter() fails under certain conditions</div>	25

# Finer grained planning estimates

- The planning interface now allows users to enter more granular time measures for task estimation.

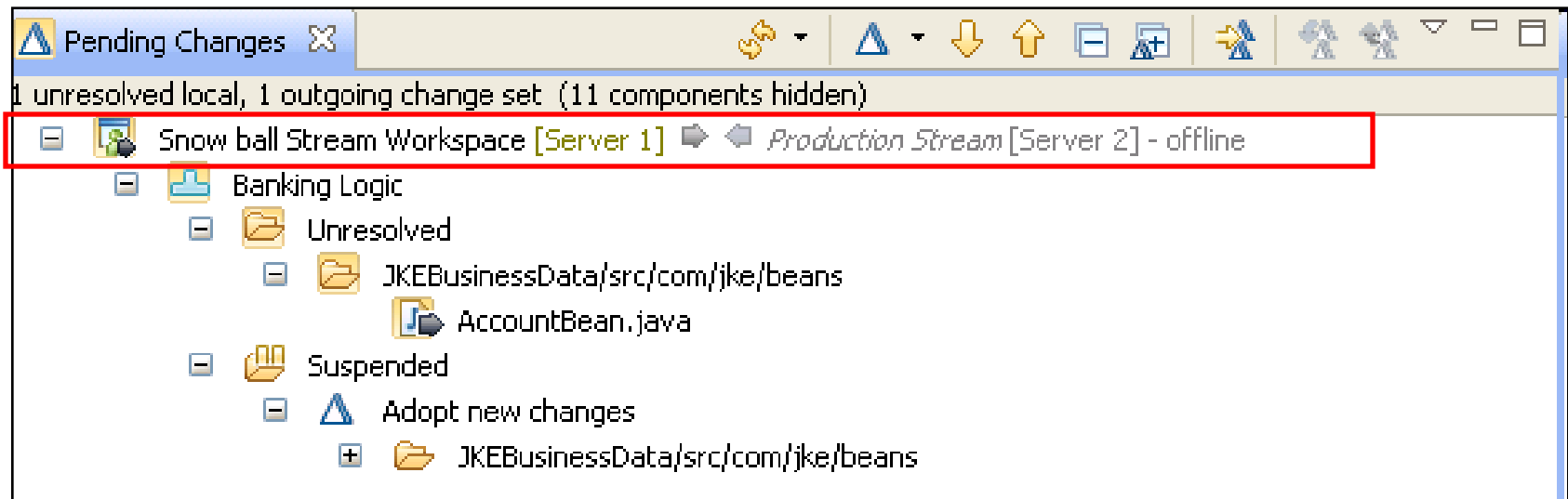


The screenshot shows the 'Planned Items' interface with a table of tasks. The table has columns for 'Actions', 'Summary', 'Effective Estimate', and 'Owner'. A dropdown menu is open for the 'Effective Estimate' column of the third row, showing options: 'hours', 'seconds', 'minutes', 'hours' (highlighted), 'days', and 'weeks'.

Actions	Summary	Effective Estimate	Owner
	Typo in cookbook: wrong package for JUnitCore	1.9 days	J&
	No download link to latest version	--	U
	timeout doesn't work properly for >=2 cases in junit4.3?	4 hours	Bi
*	JUnit version on the website is still 4.1	4 hours	J&
	BaseTestRunner.getTest() requires class to extend TestCase	--	M
	CompositeRunner.filter incorrect if child throws NoTestsRema	--	J&
	assertEquals throws NPE while comparing null elements	3 weeks	J&
	Ignored method fails	1 day	Bi
	Should not call derived's after's if super's before failed	--	M

## Continue working if your target stream is offline

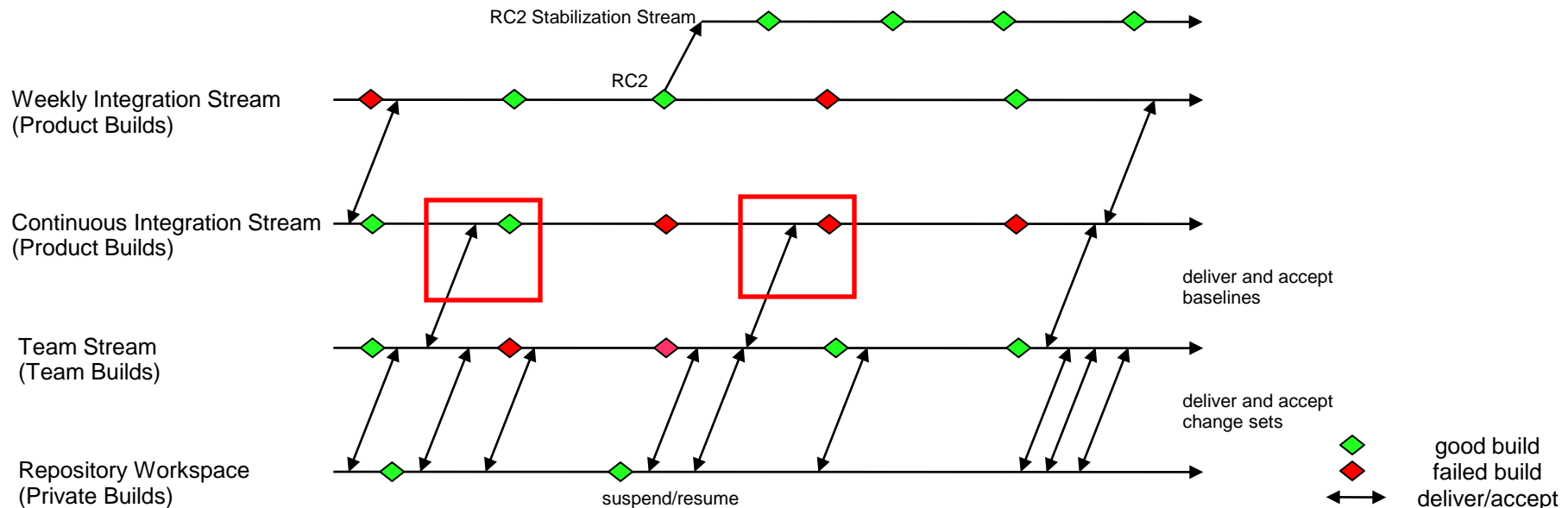
- If you lose connection to your target, you can still keep working in your repository workspace - check in, create change sets and baselines, associate work items, suspend and resume are unaffected.
- When the connection returns, you'll be ready to accept and deliver again!





# Post Build Deliver - Continuous Build and Delivery Scenario

- “As a release engineer I would like to automate the delivery of changes from successful team builds to a release engineering stream so that I can avoid delivering changes that break an integration stream build.”
- Post Build Deliver – When a build succeeds, push all changes to a stream. We use a Green Zone stream, which the release engineer would then validate for delivery to the integration stream. Result: More “Green” Continuous Integration Builds



# What's New in RTC 3.0.1?

## ■ IBM Enterprise Platforms Enhancements

- ▶ *Work item based Promotion for System z*
- ▶ *Enhanced User Interface for Deployment*
- ▶ *Work Item based Deployment for System z*
- ▶ *Dependency based build preview*

## ■ New and Enhanced Integrations

- ▶ *RTC Client for Visual Studio Enhancements*
- ▶ *IBM Connections Integration*
- ▶ *Tivoli Service Request Manager OSLC Integration (ISM download)*
- ▶ *New third party integrations*



# IBM Enterprise Platforms Enhancements

## *Dependency based build preview*

## Discover....

- What would be built
- What needs to be built
- And Why

The image shows two overlapping windows from an IBM Enterprise Platform interface. The top window, titled 'Request Build', has a blue header and contains the text 'Request that a build be executed on the first available build engine.' Below this, there is a 'Build:' field with the value 'Demo Development Build' and a 'Browse...' button. A list of options is shown: 'Build Options', 'Build Agent Authentication Override', and 'Dependency Build Options'. Under 'Dependency Build Options', there are checkboxes for 'Preview build' (checked), 'Personal build', and 'Personal build options'. The bottom window, titled 'Summary of buildReport.xml contents', has a white background and a blue header. It displays a URL in the address bar and a summary of build information. It includes a table for 'Component name: Demo Component' with columns for Project, Source, Reason to build, Code, Language Definition, and Output. Below this is a table for 'Dependency Resource' with columns for Project, Path, Type, and Timestamp. At the bottom, there is a 'Reason Description' section with a list of reasons for building.

**Request Build**

Request that a build be executed on the first available build engine.

Build: Demo Development Build Browse...

- ▶ Build Options
- ▶ Build Agent Authentication Override
- ▼ Dependency Build Options
  - ☒ Preview build ⓘ
  - ☐ Personal build ⓘ
  - Personal build options

**Summary of buildReport.xml contents**

[https://red006.rtp.raleigh.ibm.com:9443/jazz/teamz\\_buildmap/buildReport/\\_buildResultUUID=\\_TaYhQKGfEeCzV5fgMYZ5kg](https://red006.rtp.raleigh.ibm.com:9443/jazz/teamz_buildmap/buildReport/_buildResultUUID=_TaYhQKGfEeCzV5fgMYZ5kg)

This is a summary of the information in buildReport.xml. View the file source to see additional details, it is available on the downloads tab of the build results.

If the reason to build is less than 6, you can click on a Source to display the dependency set for that source. Also, you can click on an Output to jump to the previous build map if it exists.

Component name: Demo Component					
Project	Source	Reason to build	Code	Language Definition	Output
MortgageApplication-EPSMLIST	HUNGLAM.DEMO.DEV.COBOL (EPSMLIST)	1	COB	COBOL compilation (CICS) and link-edit	HUNGLAM.DEMO.DEV.LOAD (EPSMLIST)

Dependency Resource	Project	Path	Type	Timestamp
HUNGLAM.DEMO.DEV.COBOL (EPSMLIST)	MortgageApplication-EPSMLIST	zOSsrc/COBOL/EPSMLIST.cbl	SELF	1309277353118
HUNGLAM.DEMO.DEV.COPYBOOK (EPSNBRPM)	MortgageApplication-Common	zOSsrc/COPYBOOK/EPSNBRPM.cpy	COPY	1298047226000
HUNGLAM.DEMO.DEV.COPYBOOK (EPSMTCOM)	MortgageApplication-Common	zOSsrc/COPYBOOK/EPSMTCOM.cpy	COPY	1298047226000
HUNGLAM.DEMO.DEV.COPYBOOK (EPSMORTF)	MortgageApplication-EPSMLIST	zOSsrc/COPYBOOK/EPSMORTF.cpy	COPY	1298047228000
HUNGLAM.DEMO.DEV.COPYBOOK (EPSMLIS)			COPY	1309277267000

**Reason Description**

- 1 Full build is requested or no previous successful build results were found.
- 0 Rebuild is not needed.
- 1 The source itself has changed.
- 2 One or more dependencies stored in the repository have changed.
- 3 One or more dependencies not in the repository, such as generated input files, have changed.
- 4 A build map for this resource was not found.
- 5 Build related information (such as language definitions, data set definitions, translators, properties) have changed.
- 6 One or more output files are modified or deleted on the build machine.

# IBM Enterprise Platforms Enhancements

## *Work item based promotion for System z*

### ■ Improved User Interface

- ▶ Additional assistance
- ▶ One-step component Promotion

### ■ Work Item based Promotion

- ▶ Promote one or more Work Items
- ▶ Add children if required
- ▶ Preview facility

### ■ Additional Reporting

- ▶ Better traceability

## PROMOTE

## 'What has changed'

The screenshot shows the 'Promote Work Items' dialog box with the 'Work Item Selection' tab active. The 'Definition' field is set to 'Demo promotion'. Under 'Promotion options', 'Promote source and outputs' is selected, and 'Include children of selected work items' is checked. The 'Select Work Items' table contains one entry: ID 71, Summary 'Demo Sample Work Item', which is selected. To the right of the table are buttons for 'Select All', 'Deselect All', 'Add...', and 'Run Query...'. At the bottom, 'Open summary work item' is checked. Navigation buttons at the very bottom include '< Back', 'Next >', 'Finish', and 'Cancel'.

**Promote Work Items**

**Work Item Selection**

Select the work items to be promoted and specify any additional options.

Definition:   

**Promotion options**

- ☒ Promote source and outputs
- ☐ Promote source only
- ☒ Include children of selected work items

Select Work Items:

ID	Summary
<input checked="" type="checkbox"/> 71	Demo Sample Work Item

☒ Open summary work item

The screenshot shows the 'Promote Work Items' dialog box with the 'Promotion Preview' tab active. It displays a 'Promotion Preview' section with the text 'Work item preview executes a preview of the promotion operation.' Below this is a 'Preview Outputs' section listing 'Change Set Validation Messages' and 'Build Map Validation Messages'. At the bottom, there are buttons for 'Export Output', 'Finish', and 'Cancel'.

**Promote Work Items**

**Promotion Preview**

Work item preview executes a preview of the promotion operation.

**Preview Outputs**

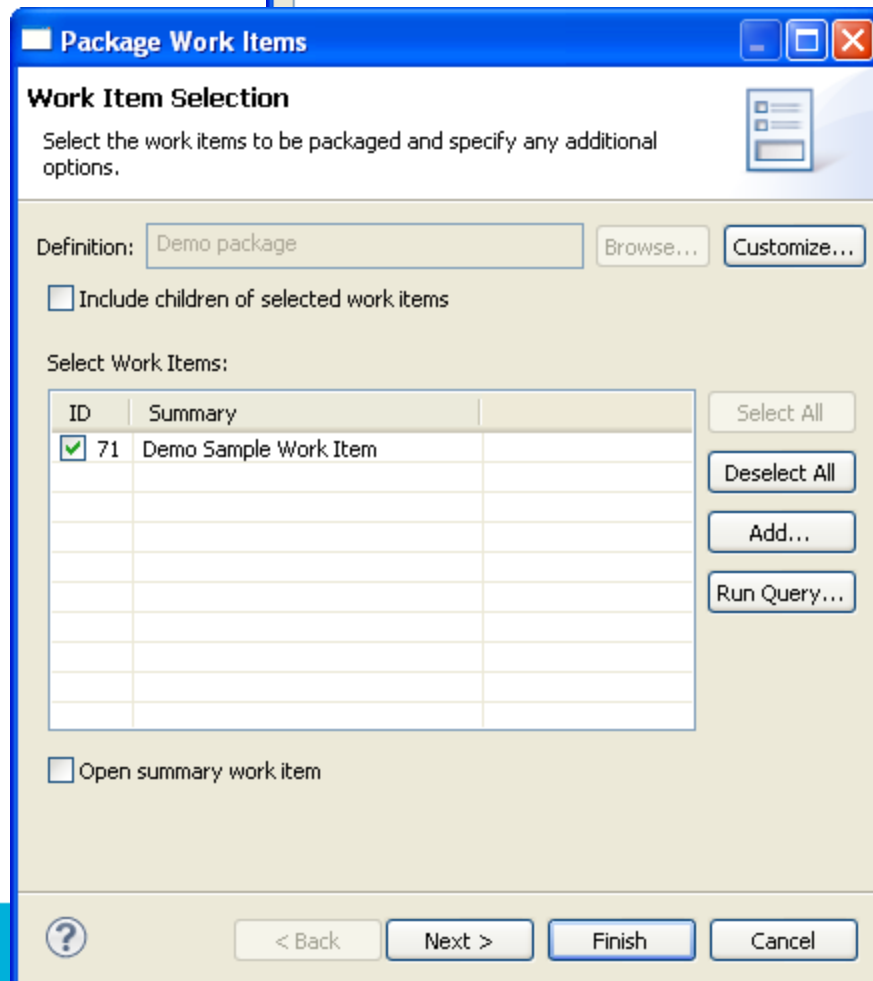
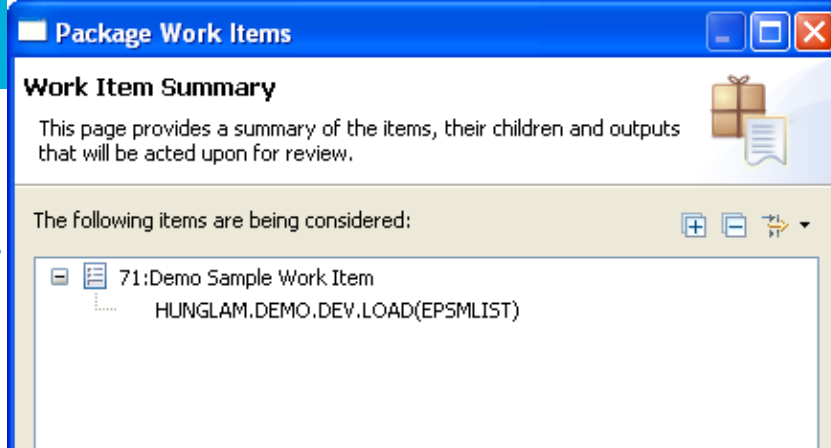
- ☐ Change Set Validation Messages
- ☐ Build Map Validation Messages

# IBM Enterprise Platforms Enhancements

## *Enhanced User interface for Deployment Work Item based Deployment for System z*

- New User Interface with additional assistance
- Work Item based Deployment on System z
  - ▶ Package and deploy one or more Work Items
  - ▶ Add children if required
- Additional reporting for better traceability

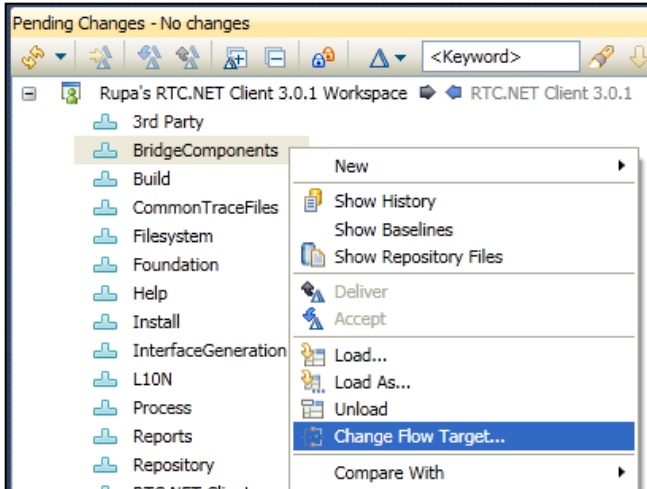
**Deploy  
'What has changed'**



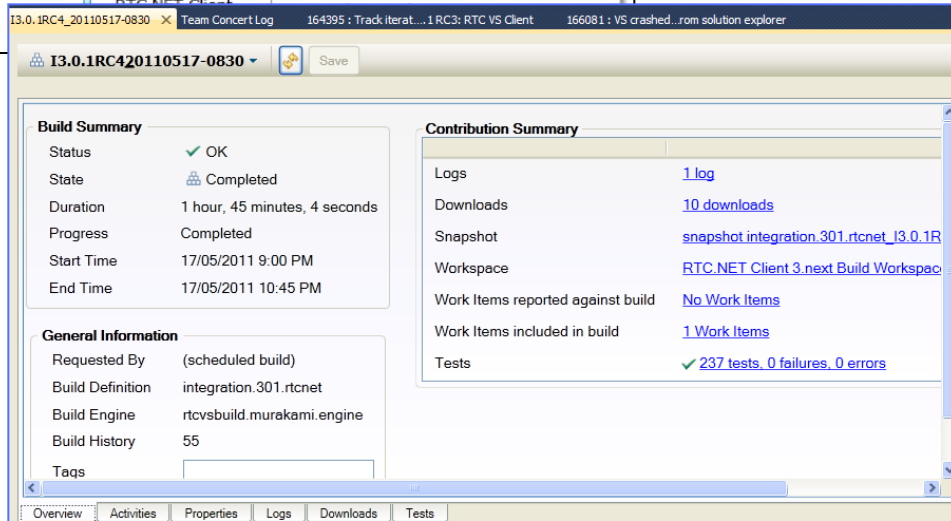
# First Class Experience for Developers using Visual Studio

*For planning, collaboration, process, traceability, project status, SCM, builds and CLM*

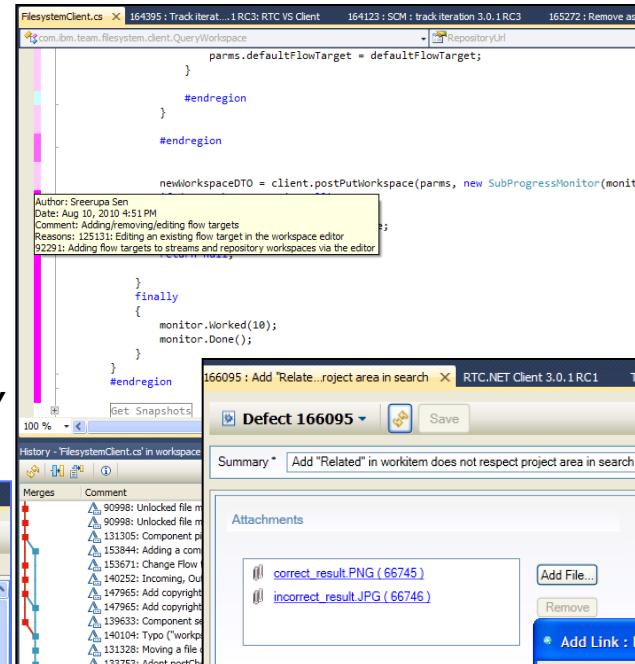
## Distributed SCM (across RTC repositories)



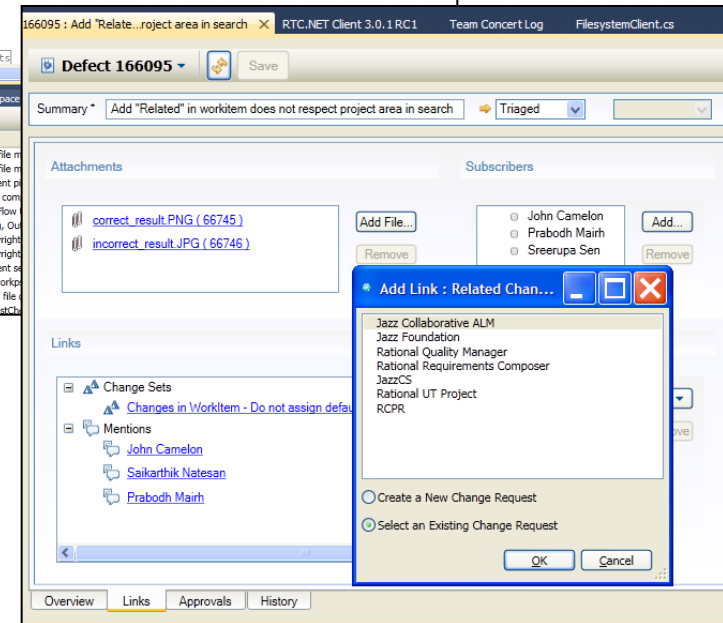
**CI Build traceability**  
**MS-Build, dev/env**



## Annotate, Rich History View, Visual Merge

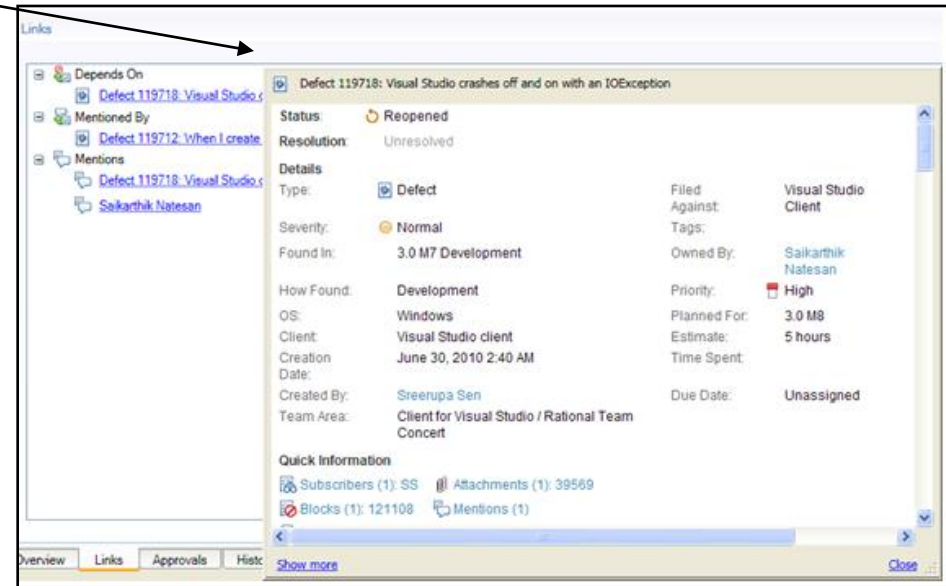


**CLM Linking to**  
**Requirements,**  
**Test Cases and**  
**Rich Hovers!**



# RTC Client for Visual Studio Enhancements – RTC 3.0.1

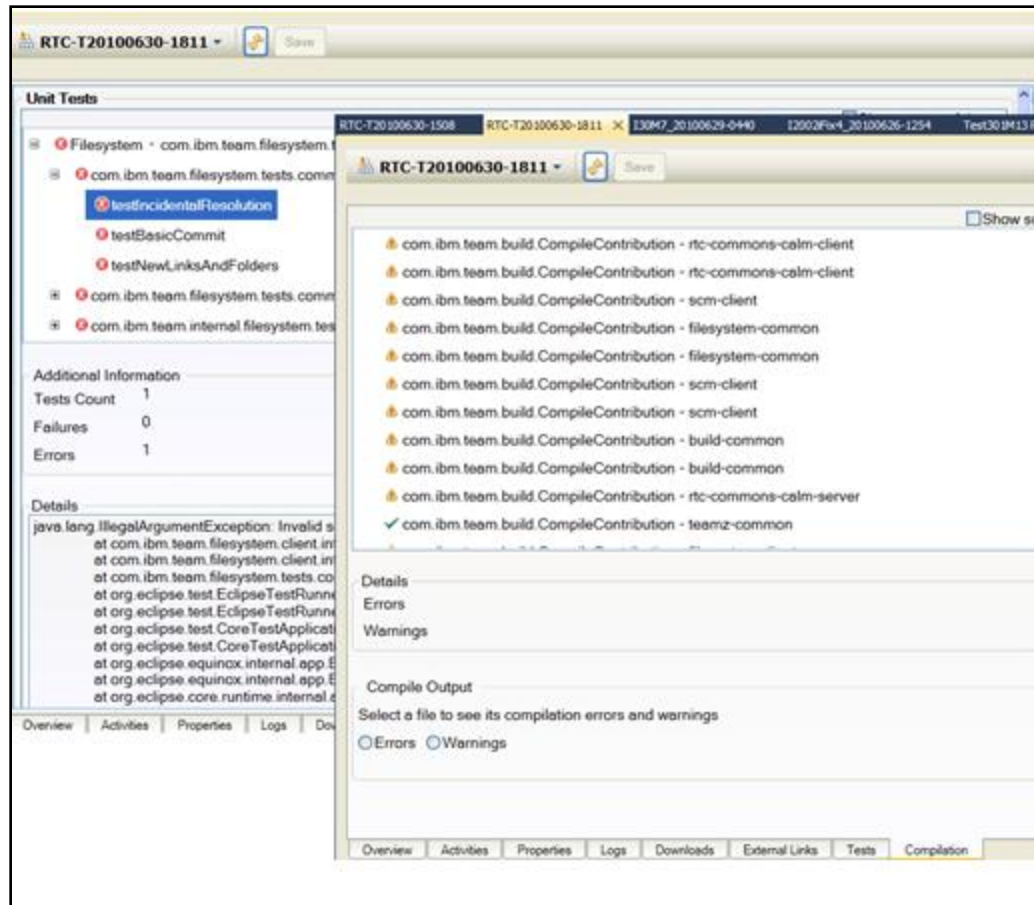
- Rich hovers in Visual Studio for work item links
- Locate changes sets
- Time Tracking Tab
- Work Item Filtering
- Private components and streams
- Locate change sets in:
  - ▶ Workspaces
  - ▶ Streams
  - ▶ Snapshots
  - ▶ Baselines
  - ▶ Flow target of your repository workspace





# RTC Client For Microsoft VS IDE – Native Build Results Editor

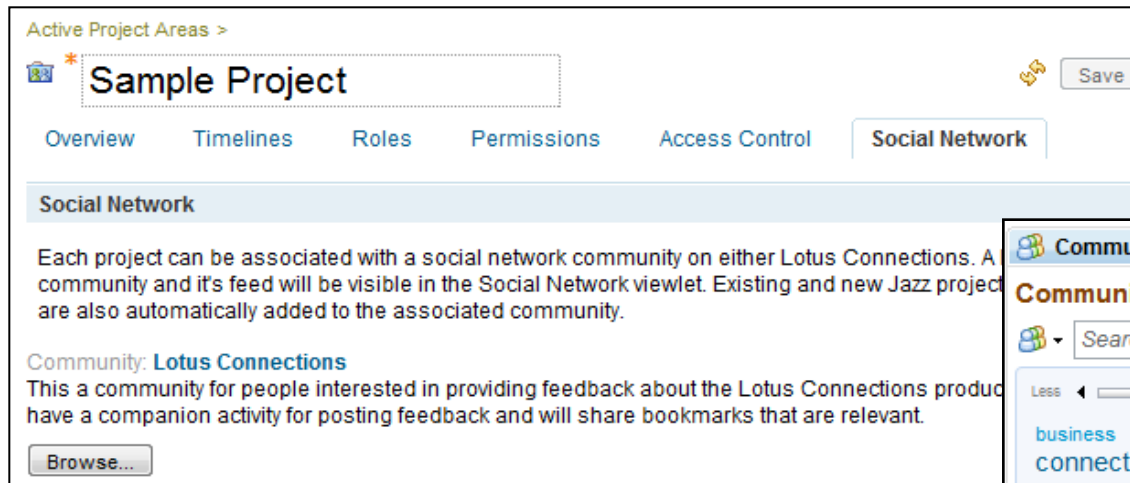
- New in RTC 3.0.1, the Build Results Editor now supports Compilation, Tests and other views.





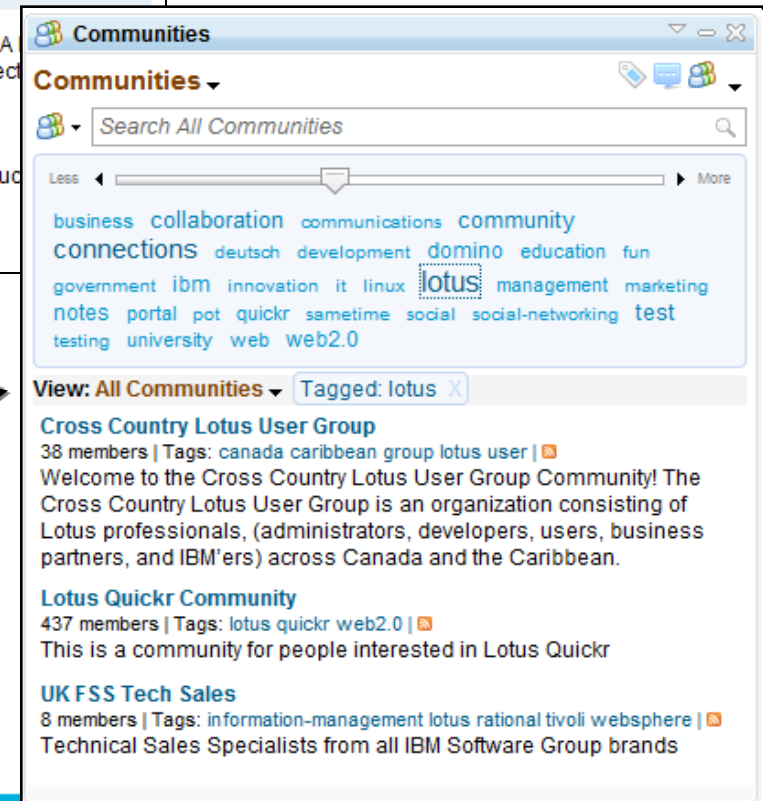
# IBM Connections Integration – RTC 3.0.1

## Link Projects in RTC to Communities in IBM Connections



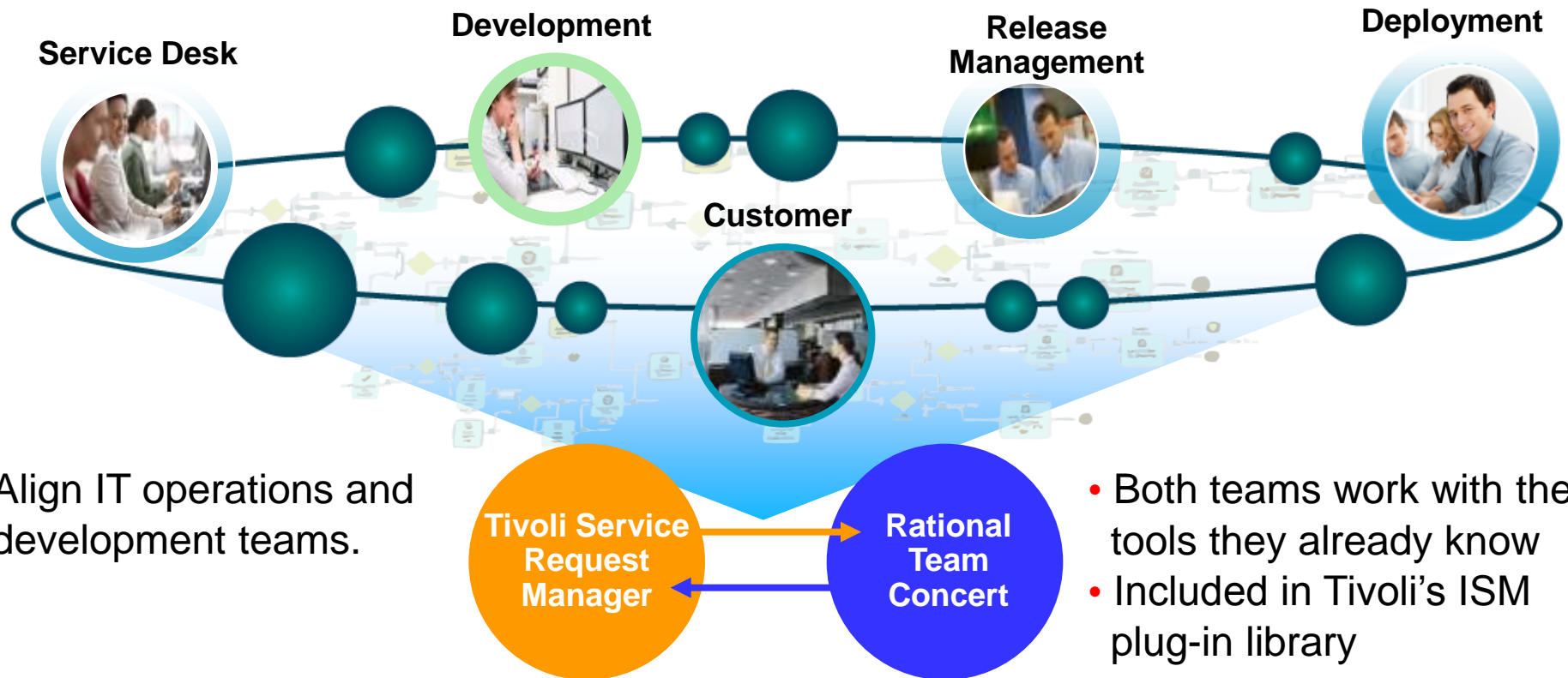
## Communities in an RTC Dashboard Viewlet

Learn more about how teams can leverage IBM Connections



# Link Operations and Development – OSLC Based

## - Integrating Tivoli Service Request Manager with Team Concert



Try it here: ISML Deliverable and Documentation : <http://www-01.ibm.com/software/brandcatalog/ismlibrary/details?catalog.label=1TW10SR0V>

# Building on CLM 2011: Ecosystem solutions add value









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# New or Improved Integrations with Rational Team Concert

- HP Quality Center  
  - ▶ BSD Group - Synchronization and OSLC Bridge between RTC and HP Quality Center
  - ▶ Tasktop - OSLC based linking and task aggregation with RTC and HP Quality Center
- Project and Portfolio Management  
  - ▶ PlanView - Integrate Enterprise Project Plans to RTC Release and Iteration Plans
  - ▶ Ascendant Technology - Integrate Microsoft Project Planning to RTC Release and Iteration Plans
- Mobile Application Development 
  - ▶ Worklight - Studio IDE for mobile app development integrated with Rational Team Concert, enabling centralized multi-platform builds
- Open Source Compliance Management 
  - ▶ Protecode - BuildAnalyzer - Analyzing source for open source license implications
- Productivity Tools  
  - ▶ Prolifics - Accelerate Continuous Build integration for WebSphere applications
  - ▶ Rocket Gang - Work Item Visualizer



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