

### **IBM Software Group**

### **IBM Rational Team Concert**

### What's new in Release 3.0?

"Any Plan, Any Process, Any Platform"

Announced: November 9th, 2010







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### What's new in RTC 3.0?

### Simplified RTC 3.0 Packaging

- Single Release for All Platforms
- Server License Included with each RTC User License
- Simple Role Based User Licensing
- New Flexible pricing models
  - On Demand
  - Floating Token Based

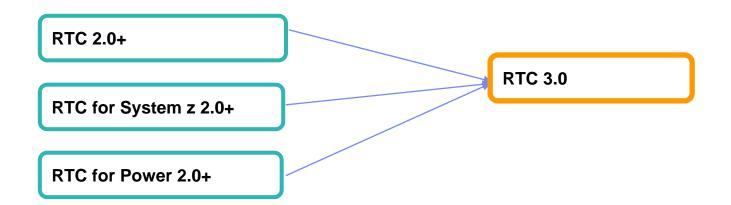


**Driving Business Differentiation** 



### One release of RTC for System z, Power and Distributed Platforms

- All platforms are supported with a single release of RTC 3.0
  - ▶ A new RTC Developer for IBM Enterprise Platforms contains advanced features focused on the needs of System z and IBM i development teams





# The server license is included with any RTC 3.0 User License

- Customers can now install as many servers as RTC 3.0 user licenses purchased on any platform for any purpose!
- Customer Benefits:
  - Jazz Team Servers in RTC 3.0 can run on ANY supported platform
    - (System z, System i, Windows, Linux, Unix)
  - For ANY purpose
    - Support disaster recovery installations
    - Maintain separate test or training configurations
    - Move servers between platforms w/o additional license fees
    - Enables teams who need many servers for physical security isolation
    - Makes Cloud/SaaS models more cost effective
    - Simplifies trade-ups from other Rational products
  - Easily change and grow your server topology without a licensing transaction



# Simplified User Licensing – Rational Team Concert 3.0

Rational Team Concert	Stakeholder Customers	Contributor  Collaborative CM  Or Developers w/ an alternate SCM	Developer for Workgroups*  Developers Team	Developers Team of Teams	Dev. for IBM Ent. Platforms  System z / Power Developers
Collaboration Platform	✓	<b>✓</b>	✓	✓	<b>✓</b>
View Project Status	✓	✓	✓	✓	✓
Work Items	✓	✓	✓	✓	✓
Reports	✓	✓	✓	✓	✓
Planning: Agile, Formal, Hybrid		✓	✓	✓	✓
Continuous Integration - Builds			✓	✓	✓
Advanced Source Control			✓	✓	✓
Distributed SCM**				✓	✓
Advanced System Z and Power Features					✓
Floating or Token Licensing	Yes	Yes	No	Yes	Yes

<sup>\*</sup>Developer for Workgroups has a limit of 50 authorized user licenses per licensed Jazz Team server group.

<sup>\*\*</sup>Mixing Developer 10-C (community) or Developer for Workgroups licenses with Developer or Developer for IBM Enterprise Platform licenses will result in Distributed Source Control Management (SCM) capability being disabled for all licenses





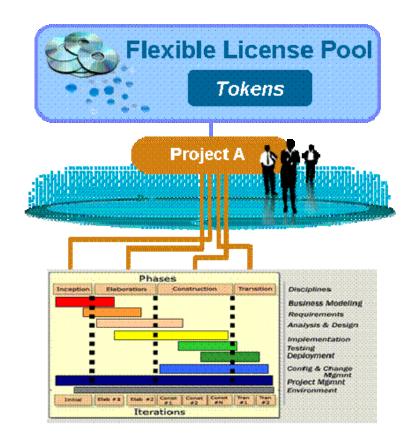
# New Flexible Pricing Models

- In addition to today's perpetual license with annual support, RTC 3.0 provides:
  - New On Demand Pricing Fixed Term Rental Model
    - Allows the purchase of fixed term annual licenses
    - Provides flexible, annual rental model and lower initial cost
  - ▶ New Token Licensing Unique Investment Protection
    - A floating fixed term license that floats across Rational products
    - Provides unique investment protection for customers
  - ▶ And we still have a 10 "free" RTC Developer 10-C license with Community Support
    - Customers who want full IBM support need to buy user licenses to get IBM support
    - Mixing Developer 10-C licenses with other licenses results in the entire server being eligible for only Jazz.net community support

# Rational Token Licensing

### What are Tokens?

- Tokens are a form of floating fixed term license but are more flexible in that they allow the customer to mix the different products in real time.
- Tokens provide licensing flexibility and insurance against choosing the wrong product
  - Flexible use of Rational solutions: Use the right tool at the right time
  - Streamline License Management: Eliminate "unused" software as the project moves from one development phase to the next
  - Simplify License Purchasing: Customer can add/try new software during project, without new PO or evaluation process



### What's new in RTC 3.0?

### Advanced Planning for Formal and Agile Teams

- ▶ Formal Project Management Process Template
- New Risk types with Risk Actions
- Visualize Plans Based on a Timeline
- Resource Allocation and Scheduling
- Plan Snapshots
- Redesigned Scrum Task Board

### Flexible Customization and Configuration

- Work Item Customization and Configuration
- Enhanced Access Control for Work Items
- Smart Card Authentication
- Shared Master Project Areas



**Driving Business Differentiation** 



# Customers want flexible planning: Traditional, Agile, Hybrid

- "I have more traditional planning teams using change requests, risks, and a more formal planning and scheduling process. Change is more formal and controlled.
  - ▶ RTC 3.0 has a new Formal Project Management Process Template out of the box
- "Some of my teams are interested in agile but they want to customize that to support more traditional methods like managing risks and risk actions.
  - RTC 3.0 has a common planning engine that support BOTH agile and formal
    - We have always had the richest process customization for teams, but now we can also attract traditional teams who may wish to "flirt with agile" or mix and match some traditional and agile techniques.
    - Example: Use scrum but add risks and risk action work item type to it.
- "How do I get started bringing in my existing data?"
  - ▶ RTC 3.0 supports Microsoft Project Task Import and Export

### IBM Software Group | Rational software

## Any process: Executable and repeatable Use ONE tool to support both agile and non-agile









Variant #2



Variant #3









**Analyst** 







Quality Release Professional Engineer





**Analyst** 



Developer

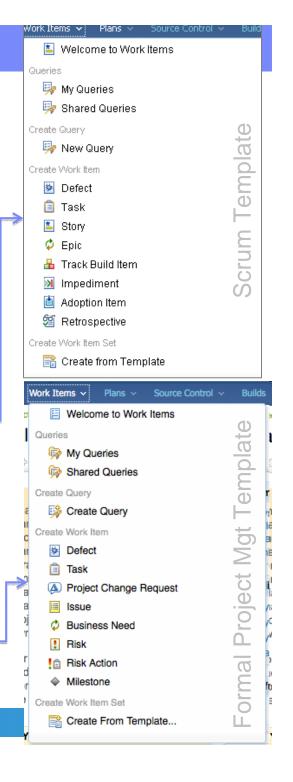


Quality

Professional





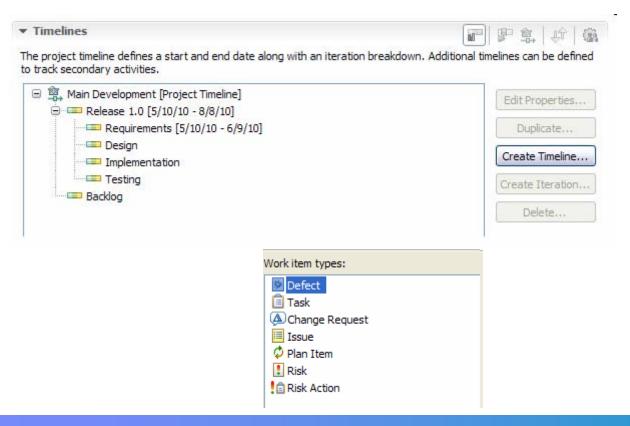




# Formal Project Management Process Template

### Formal Project Management process template

The Formal Project Management template includes a single timeline with a release and backlog that is divided into more traditional project phases. It includes new work item types, features, and views in the template such as risks and risk actions

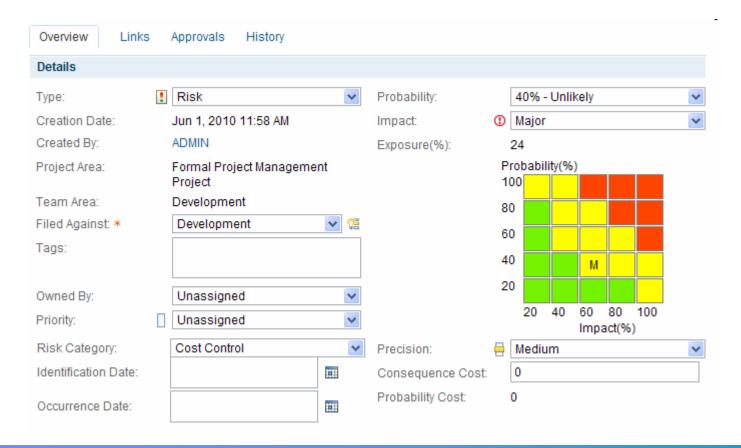




# Risk and Risk Action Work Item Types

### Risks and Risk Actions

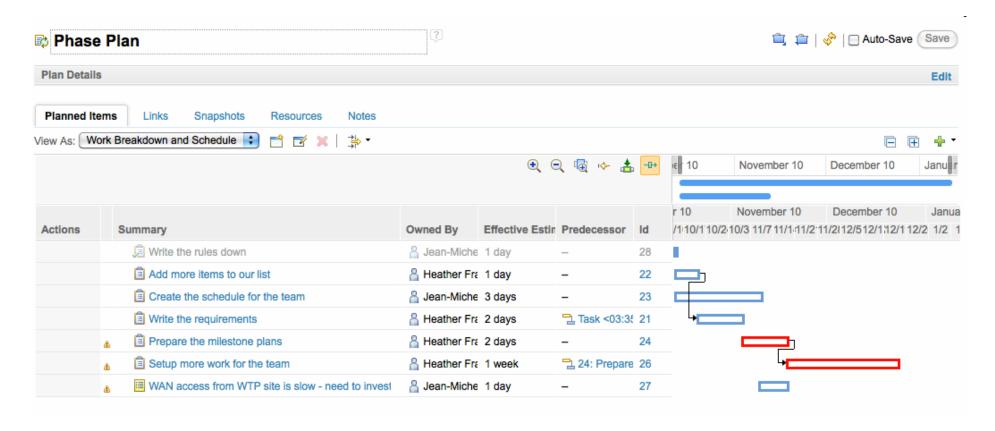
Every project has some known and unexpected risks. As a project manager, you can define risks, add strategies, and create work items to take action against risks. The risks work items are available in the Formal Project Management process template.





### New Schedule View - Gantt Charts

- Now you can visualize a plan based on a timeline
  - ▶ Gantt charts for traditional planning based on schedule constraints and dependencies
  - Shows work breakdown and schedule

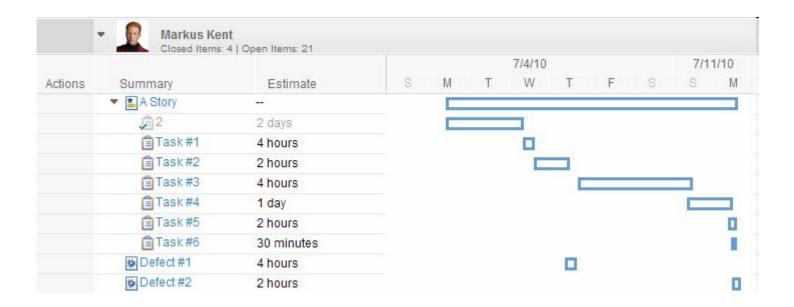




# New Schedule View - Roadmap Charts

### Designed for agile teams

- Shows a time projection of a roadmap based on iterations
- ▶ The scheduled time of work items can now be shown as a roadmap on a timeline.
- ▶ The roadmap can also show blocking or depends on relationships between work items



5 %

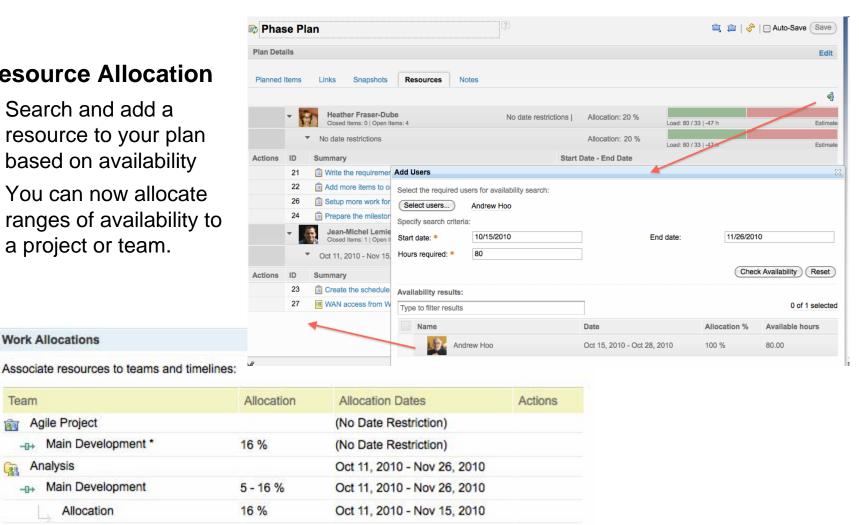
Nov 15, 2010 - Nov 26, 2010



# Resource Allocation and Scheduling

### **Resource Allocation**

- Search and add a resource to your plan based on availability
- You can now allocate ranges of availability to a project or team.





**Work Allocations** 

Agile Project

Analysis

Main Development \*

Main Development

Allocation Allocation \*

Team



# Plan Snapshots - Compare plans over time

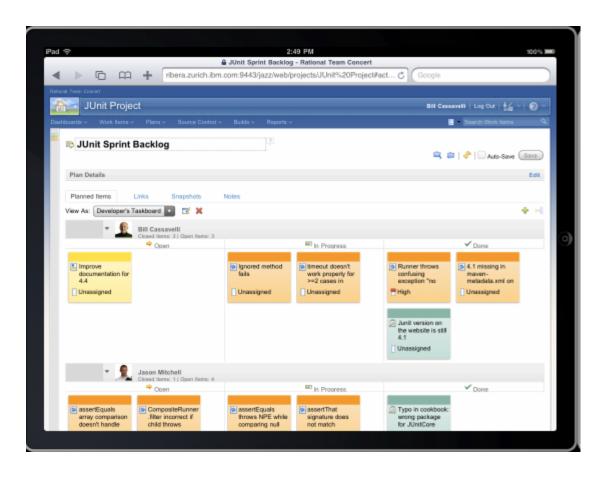
- How has my plan changed over time?
  - What is the quality of our planning?
  - ▶ Did we make our date because we changed the plan and/or our estimates?

Planned Items Links	Snapshots Resources Notes					
Back to Snapshots						
Comparison - Oct 15, 2010 4:53:52 AM		End - Oct 15, 2010 4:53:45 AM	Start - Oct 15, 2010 4:44:47 AM			
▼ Overview						
Start Date	0	Oct 15, 2010	Oct 15, 2010			
End Date	8 weeks 3 days 1 hour	Oct 25, 2010	Dec 23, 2010			
Work Items Total	2	5	7			
New	2	4	6			
In Progress	0	0	0			
Closed	0	1	1			
Work Done	6 hours	1 day	1 day 6 hours			
Work Estimated	2 weeks 2 days 4 hours	2 days 4 hours	3 weeks			
Progress	_	8/20 h 100%	14/120 h 100%			
▼ Work Items						
	Modifed Items	Added Items	Removed Items			
	Write the requirements	-	Create the schedule for the team			
	Add more items to our list	-	WAN access from WTP site is slow - need to			
	Setup more work for the team	-	-			
	Prepare the milestone plans	-	-			



# Redesigned Scrum Task Board - More Data, Less Space

- Shows More Data with "Sticky Note" format
  - ▶ Bonus: Works well on an IPad with touch screen drag and drop of sticky notes





### What's new in RTC 3.0?

- Advanced Planning for Formal and Agile Teams
  - ▶ Formal Project Management Process Template
  - ▶ New Risk types with Risk Actions
  - Visualize Plans Based on a Timeline
  - Resource Allocation and Scheduling
  - ▶ Plan Snapshots
  - ▶ Redesigned Scrum Task Board
- Flexible Customization and Configuration
  - Work item customization and configuration
  - Enhanced Access Control for Work Items
  - Smart Card Authentication
  - Shared Master Project Areas



Driving Business Differentiation



### Advanced Work Item Customization

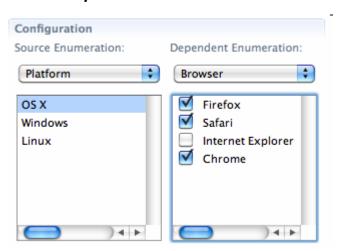
### Easily customize work items, even from the web UI:

- Validate data entry with regular expressions or number ranges
- Configure enumerations whose value depends on the value of another enumeration
- Configure default values for any attribute
- Perform customization of workflow from the web-UI

# Configuration Severity: Error Message: Enter e.g. CA 94105 Regular Expression: ^{A-Z}{2} \d{5}\$ Case sensitive Match line breaks (for ^ and \$) CA 94115 Test The expression matches the text

Attribute Validations

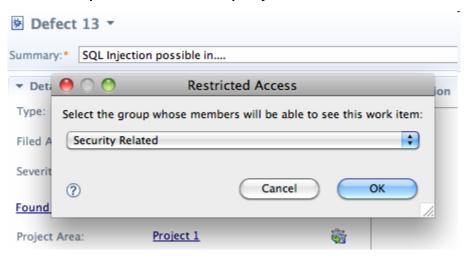
#### **Dependent Enumerations**





### **Enhanced Access Control for Work Items**

- Enhanced Access Control for Work Items
- Read access for work items could previously only be configured for all or no work items in a
  project area. Now you can set the project area governing read access on a per work item
  basis. This project area is independent of the project area where the work item was created.



 Depending on how often individual read access has to be configured, you can use the action in the Work Item Editor header or configure a presentation that exposes the "Restricted Access" attribute right within the editors. Queries and bulk modification are also supported.



### **Smart Card Authentication**

- RTC 3.0 meets the needs of high security environments
- CLI Smart Card and Certificate Authentication support in the command line
- The CLI login command now supports additional authentication flags. Users can authenticate to the server using a pki Certificate file via the --certificate switch. Users can also authenticate with a SmartCard attached to the machine via the -smartCard switch.
- Jazz Build Engine Support

jbe -smartCard -userid <user id> ...

jbe -certificateFile <certificate file path>



# **Shared Master Project Areas**

- Easily share a process across multiple RTC projects
  - Increase governance on process configuration and changes allowed.

### **Process Sharing**

Roles, permissions, preconditions and configuration data can be shared between project areas. A project area can choose to provide this information, consume this information, or not participate in sharing.

- Do not share this project area's process
- Allow other project areas to use this project area's process
- Use the process from another project area for this project area

### What's new in RTC 3.0?

### Distributed SCM

- Cross Repository SCM Operations
- More Flexible Change Set Linking Across Servers



- Out of the box Rational Build Forge Integration
- Multiple Build Engine Types

### Enterprise Platform Enhancements (z and p)

- ISPF "Green Screen" SCM Client
- Dependency Based Builds / Impact Analysis
- Promotion Models and Deployment



Driving Business Differentiation



# Customers want to share code changes across businesses

- "I need to work with other lines of business and even outside suppliers who need to share component code changes across RTC servers."
  - ▶ RTC 3.0 supports Distributed SCM across multiple RTC 3.0 servers.
  - ▶ Remote Development Pattern works across RTC 3.0 servers now
- "I need cross repository work item associations for my scm change sets."
  - RTC 3.0 can now associate scm change sets with any work items in any RTC server or with ClearQuest (since it is an OSLC Change Management provider)



# Distributed SCM – Cross Repository SCM Operations

### Distributed source control

- You can now flow components and change sets between workspaces and streams hosted on different repositories. In the Pending Changes view, select a workspace and pick "Change Flow Target". The dialog now lets you pick a stream or a workspace from any repository you are connected to.
- You can turn this feature on or off on a per RTC server basis.
  - Web UI Server Configuration Advanced Properties page / Enable Distributed SCM property.

```
A Pending Changes 

7 incoming baselines, 21 component changes

□ (My workspace [miles-lab.ottawa.ibm.com) <-> (eBusiness Research [satchmo.ottawa.ibm.com) <-> (eBusiness Research [satchmo.ottawa.ibm.com] <-> (eBusiness Research [sa
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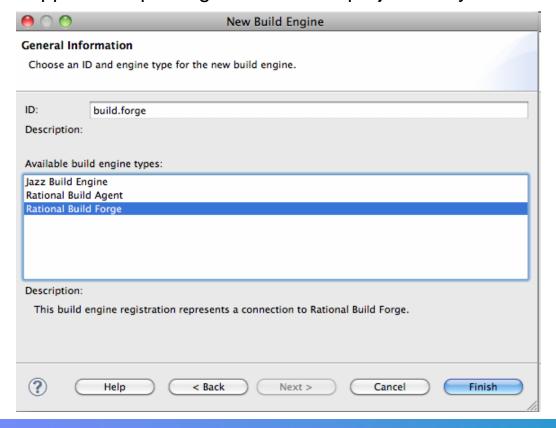
# Rational Build Forge Integration with Flexible Build Engine Types

### Support for Multiple Build Engine Types

There are now multiple types of build engines: Jazz Build Engine, Rational Build Forge, and Rational Build Agent

This allows the engine and its configuration to be shared across multiple definitions, and for definitions to support multiple engines. Different projects may now define their own

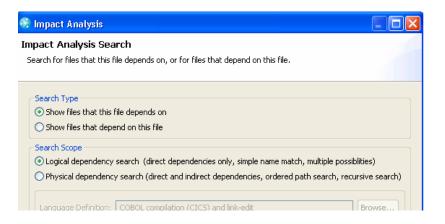
engines.



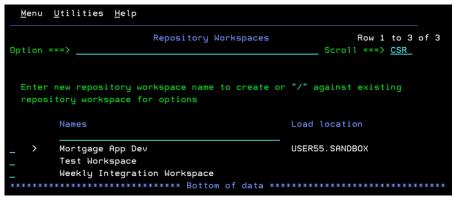


# IBM Enterprise Platforms Enhancements (System z and Power)

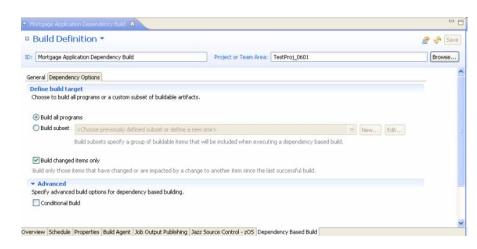
- UI for "Green Screen" ISPF RTC SCM client users (in all variants of RTC Developer)
- Build dependency and impact analysis for System z and IBM i development
- Support promotion through a development hierarchy (System z and IBM i)
- Deployment Support for System z, IBM i, UNIX and Linux systems



Impact Analysis



ISPF SCM Client



Dependency based build



### What's new in RTC 3.0?

Enhanced RTC Client for Microsoft Visual Studio IDE

- ▶ Team Advisor; Rich History with Visual Merge
- Annotate Support; Pre-Built Build Templates
- Static Analysis integrations with FxCop
- And much more...

Driving Business Differentiation

### Open Integrations to Your Existing Tools

- Extending CLM to DOORS 9.3 using OSLC
- ▶ Base ClearCase and Dynamic View Support
- OSLC Based ClearQuest Bridge
- Open Dashboard Mashups
  - Integrate with any Open Social Gadget



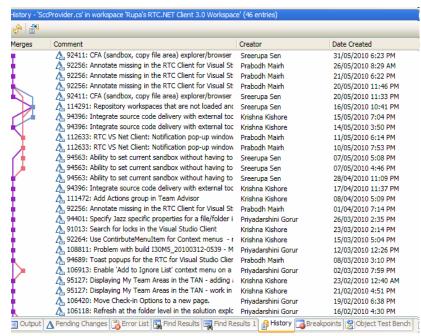


### Enhanced RTC Client for Microsoft Visual Studio IDE

- Team Advisor Support
  - Pre-built rules Static Analysis FxCop
- Rich History with Visual Merge



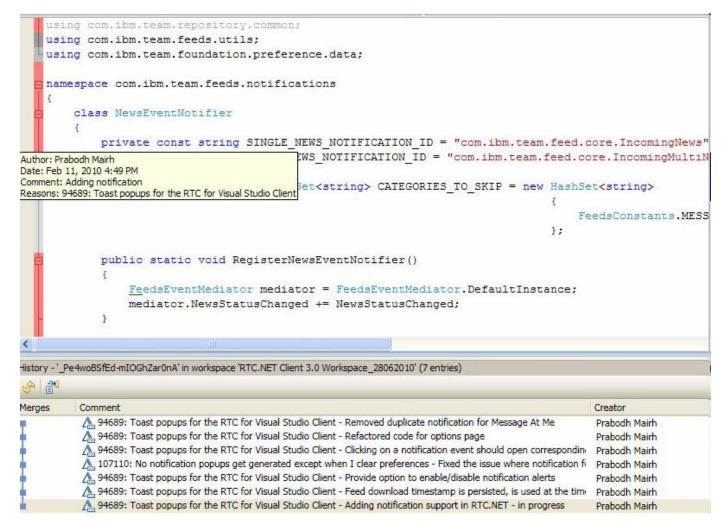
Team Advisor Support – with Guidance



Rich history view in VS client (Merge info displayed)



# Annotate Support in RTC Client for Microsoft Visual Studio IDE



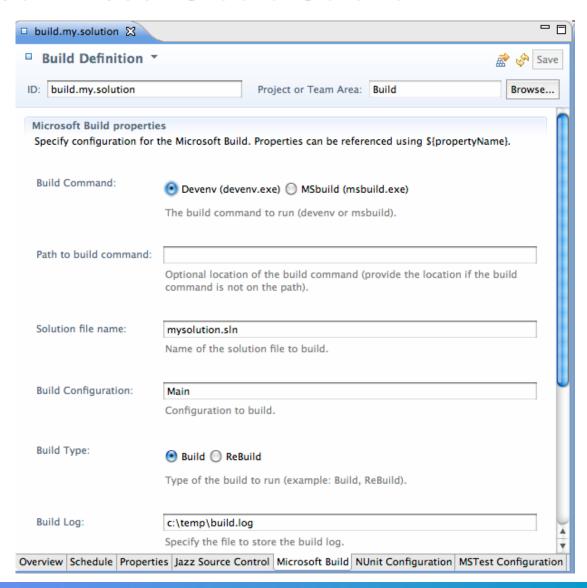
"Right Click" Annotate View of any file in the repository





# Jazz Build for Microsoft Visual Studio Solution

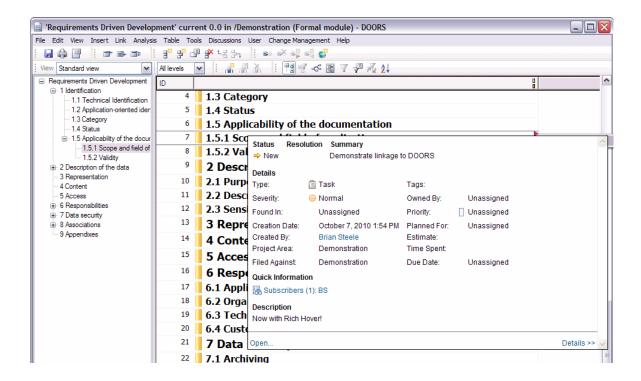
- Pre-Built Build Template
  - Choose MS-Build or Deveny
- Post Build Unit Testing
  - NUnit
  - MSTest
- Compile log and test results
  - Published back to build result.





# Extending CLM with a new DOORS 9.3 and RTC 3.0 integration

- DOORS 9.3 Integration for Requirements Change
   Management and Requirements Driven Development
- OSLC based integration with rich hover support.



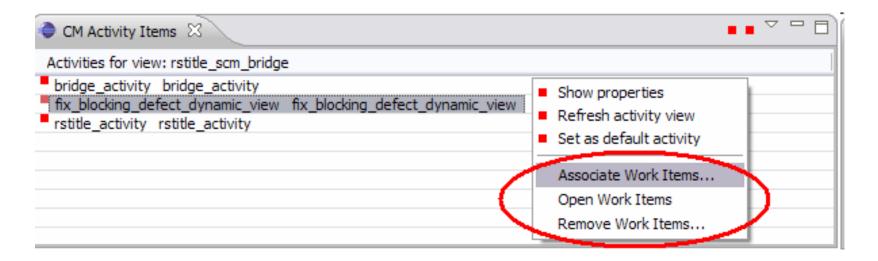
Rich hover in DOORS showing a related Work Item





# Enhanced ClearCase and ClearQuest Bridges

- Base ClearCase and Dynamic View Support
  - Enables ClearCase developers to use RTC work items and planning / project status
- OSLC based ClearQuest Bridge with rich hover support
  - ▶ RTC SCM change sets can link to ClearQuest tasks



ClearCase Dynamic view and RTC Work Item Association



# Open Dashboard Mashups – Open Social Gadget support



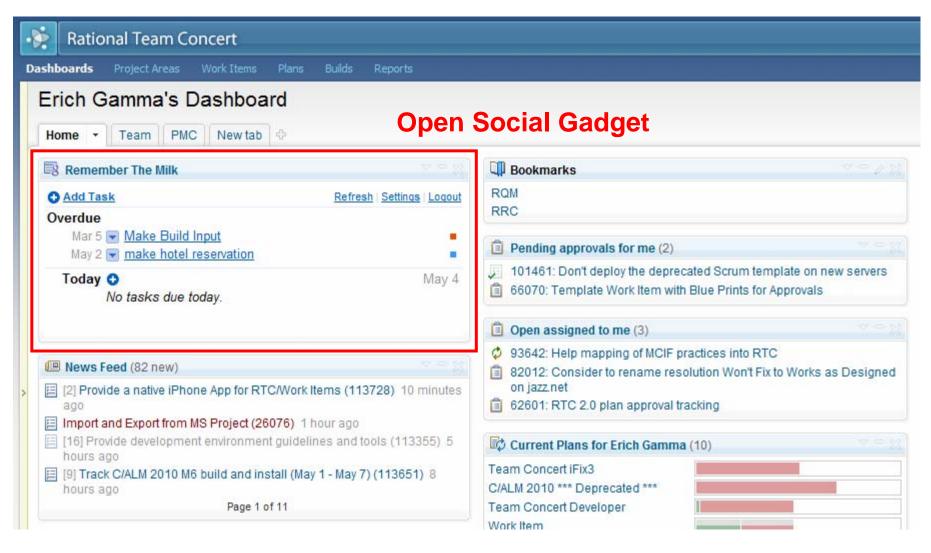




- Rational Team Concert can integrate with any product that supports Open Social Gadgets (Google Gmail, etc..)
- ▶ Rational Asset Manager integrates with RTC using dashboard mashups.

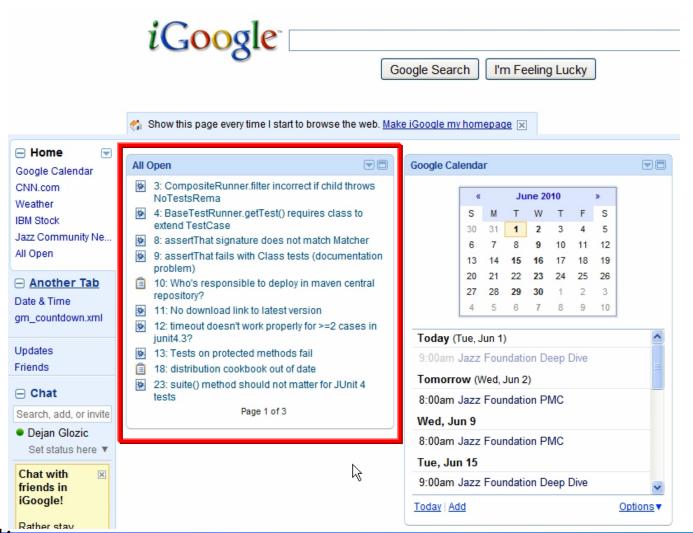


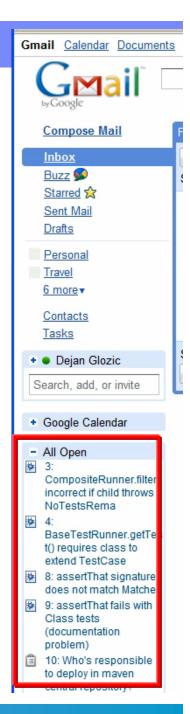
# Dashboards are open for Open Social Gadgets



# Open Social Gadgets

Work items gadget in Open Social Containers (iGoogle, gmail)





# Summary of RTC 3.0

- Any Plan
  - Advanced Planning for Formal and Agile Teams
- Any Process
  - Flexible Customization and Configuration
  - Distributed SCM
  - ▶ Enterprise Build Support

Driving Business Differentiation

- Any Platform
  - ▶ A single release for all platforms
  - Enterprise Platform Enhancements (z and p)
  - ▶ Enhanced RTC Client for Microsoft Visual Studio IDE
  - Open Integrations to your Existing Tools
- With simple user based licensing and more flexible pricing options



### For more information/details ...

- See more details on new capabilities in Rational Team Concert 3.0 download pages at <u>www.jazz.net</u>
  - ▶ RTC 3.0 Download
  - RTC 3.0 New and Noteworthy
  - RTC 3.0 Licensing White Paper
- For the latest Collaborative Application LifeCycle Management information see:
  - C/ALM
- Try out the latest RTC in our sandbox
  - RTC 3.0 Sandbox
  - ▶ RTC 2.0.0.2 Sandbox

