



IBM Software Group

IBM Rational Team Concert

What's new in Release 3.0?

"Any Plan, Any Process, Any Platform"



Innovation for a smarter planet

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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*

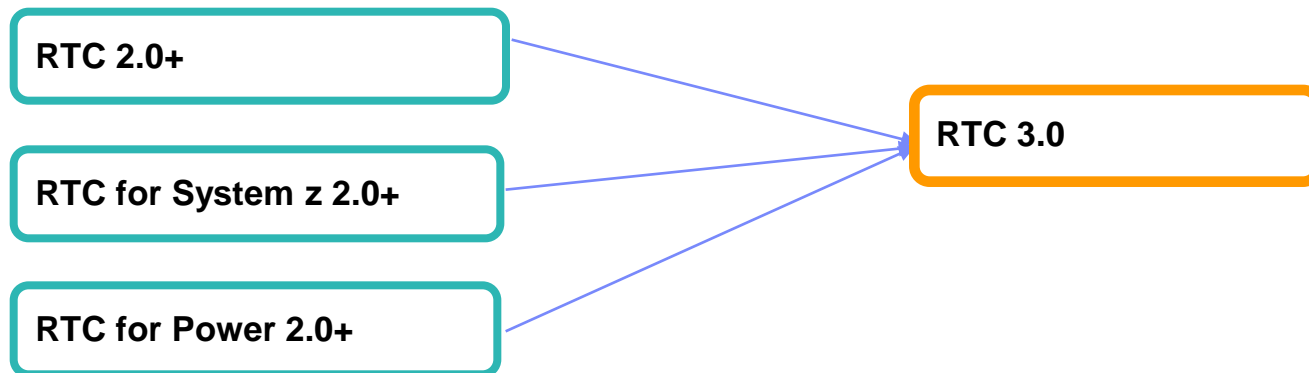


Driving Business Differentiation



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 z/OS 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



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

*Developer for Workgroups has a limit of 50 authorized user licenses per licensed Jazz Team server group.

**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



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*
 - ▶ *Plan Snapshots*
 - ▶ *Redesigned Scrum Task Board*



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



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

Timelines

The project timeline defines a start and end date along with an iteration breakdown. Additional timelines can be defined to track secondary activities.

- Main Development [Project Timeline]
 - Release 1.0 [5/10/10 - 8/8/10]
 - Requirements [5/10/10 - 6/9/10]
 - Design
 - Implementation
 - Testing
 - Backlog

Buttons: Edit Properties..., Duplicate..., Create Timeline..., Create Iteration..., Delete...

Work item types:

- Defect
- Task
- Change Request
- Issue
- Plan Item
- Risk
- Risk Action



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.

Overview
Links
Approvals
History

Details

Type:	Risk	Probability:	40% - Unlikely																																										
Creation Date:	Jun 1, 2010 11:58 AM	Impact:	Major																																										
Created By:	ADMIN	Exposure(%):	24																																										
Project Area:	Formal Project Management Project	<div style="text-align: center;"> Probability(%) <table style="border-collapse: collapse; margin: auto;"> <tr><td>100</td><td style="background-color: yellow;"></td><td style="background-color: yellow;"></td><td style="background-color: orange;"></td><td style="background-color: orange;"></td><td style="background-color: orange;"></td></tr> <tr><td>80</td><td style="background-color: green;"></td><td style="background-color: yellow;"></td><td style="background-color: yellow;"></td><td style="background-color: orange;"></td><td style="background-color: orange;"></td></tr> <tr><td>60</td><td style="background-color: green;"></td><td style="background-color: yellow;"></td><td style="background-color: yellow;"></td><td style="background-color: yellow;"></td><td style="background-color: orange;"></td></tr> <tr><td>40</td><td style="background-color: green;"></td><td style="background-color: green;"></td><td style="background-color: yellow; text-align: center;">M</td><td style="background-color: yellow;"></td><td style="background-color: yellow;"></td></tr> <tr><td>20</td><td style="background-color: green;"></td><td style="background-color: green;"></td><td style="background-color: green;"></td><td style="background-color: green;"></td><td style="background-color: yellow;"></td></tr> <tr><td></td><td style="text-align: center;">20</td><td style="text-align: center;">40</td><td style="text-align: center;">60</td><td style="text-align: center;">80</td><td style="text-align: center;">100</td></tr> <tr><td></td><td colspan="5" style="text-align: center;">Impact(%)</td></tr> </table> </div>		100						80						60						40			M			20							20	40	60	80	100		Impact(%)				
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Tags:	<input style="width: 100%;" type="text"/>																																												
Owned By:	Unassigned																																												
Priority:	<input checked="" type="checkbox"/> Unassigned	Precision:	Medium																																										
Risk Category:	Cost Control	Consequence Cost:	<input style="width: 100%;" type="text" value="0"/>																																										
Identification Date:	<input style="width: 100%;" type="text"/>	Probability Cost:	0																																										
Occurrence Date:	<input style="width: 100%;" type="text"/>																																												



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

Phase Plan Auto-Save Save

Plan Details Edit

Planned Items | Links | Snapshots | Resources | Notes

View As: Work Breakdown and Schedule

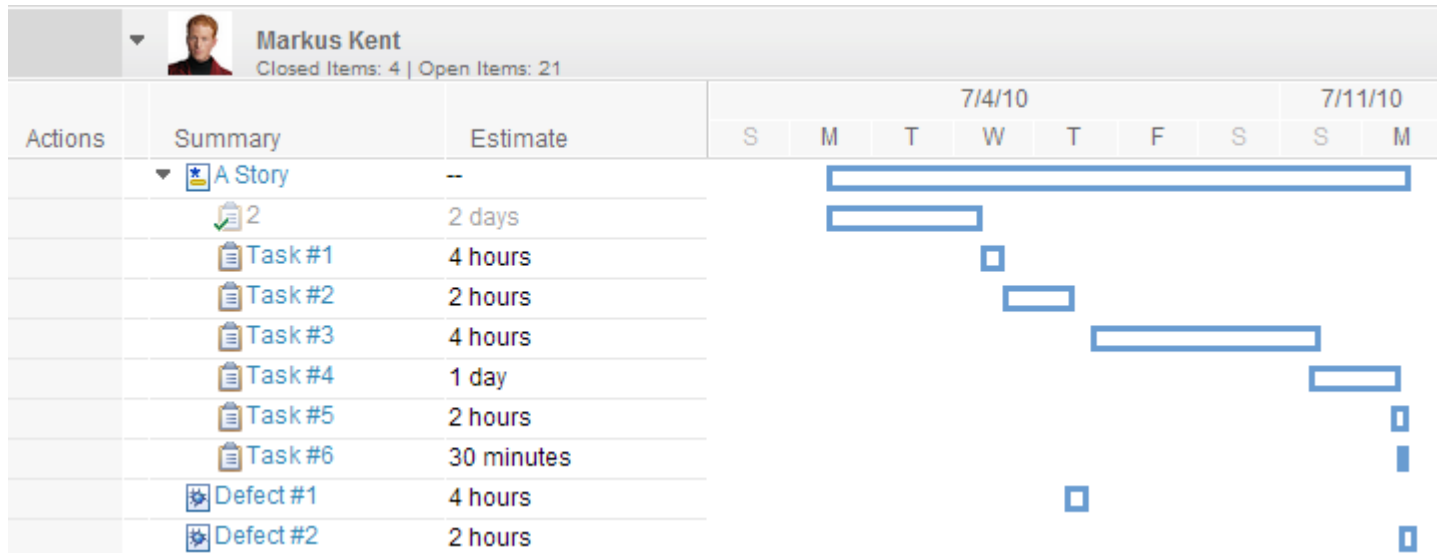
Actions	Summary	Owned By	Effective Estin	Predecessor	Id
	Write the rules down	Jean-Miche	1 day	-	28
	Add more items to our list	Heather Fr	1 day	-	22
	Create the schedule for the team	Jean-Miche	3 days	-	23
	Write the requirements	Heather Fr	2 days	Task <03:3	21
⚠	Prepare the milestone plans	Heather Fr	2 days	-	24
⚠	Setup more work for the team	Heather Fr	1 week	24: Prepare	26
⚠	WAN access from WTP site is slow - need to invest	Jean-Miche	1 day	-	27



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



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](#)

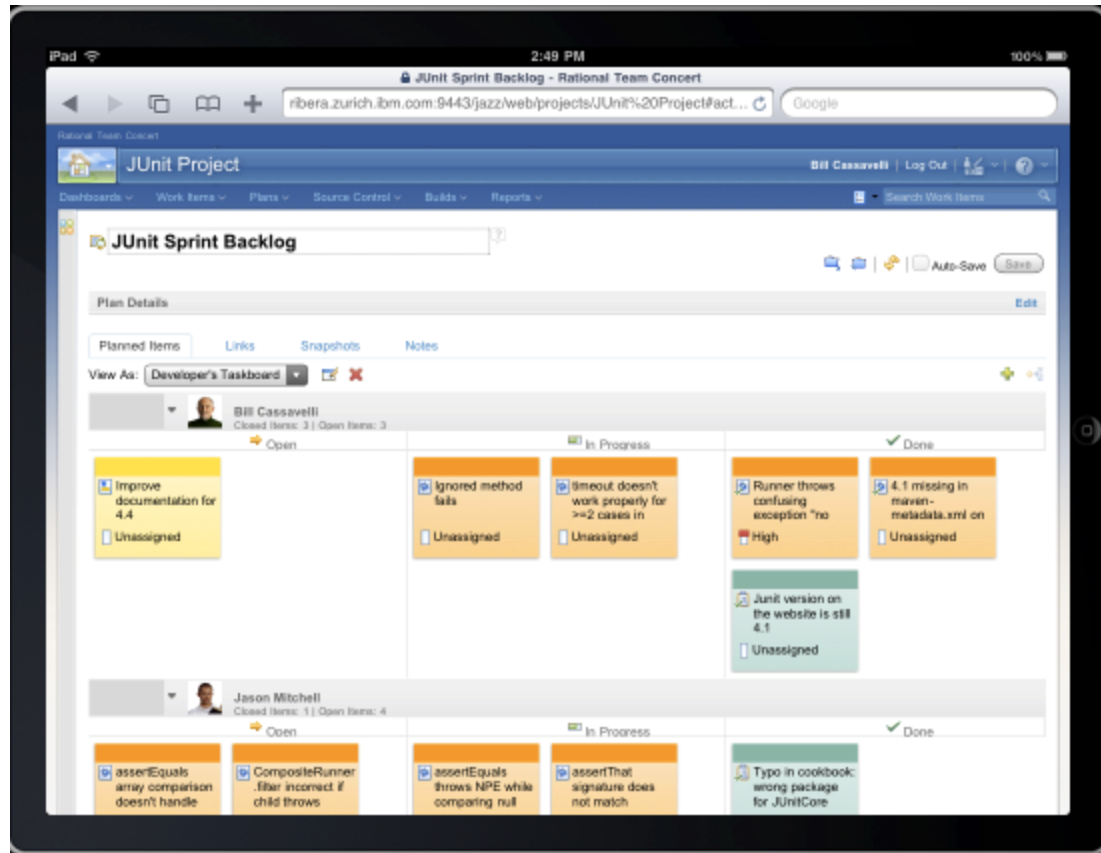
[Back to Snapshots](#)

	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
Work Items			
	Modified 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?

- **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

Attribute Validations

Configuration

Severity:

Message:

Regular Expression:

Case sensitive

Match line breaks (for ^ and \$)

The expression matches the text

Dependent Enumerations

Configuration

Source Enumeration:

Dependent Enumeration:

OS X
Windows
Linux

Firefox
 Safari
 Internet Explorer
 Chrome



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*
- **Enterprise Build Support**
 - ▶ *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*



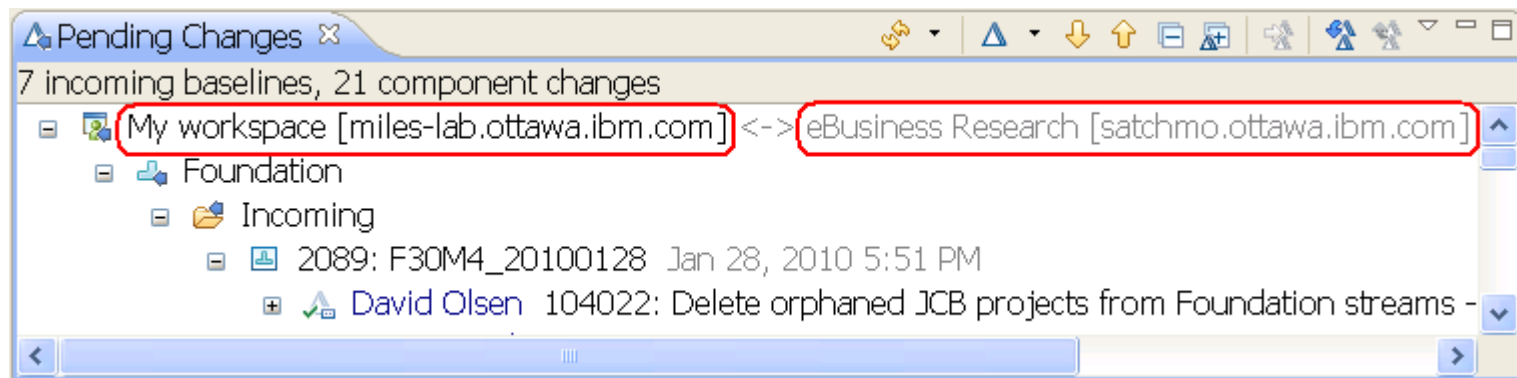
Driving Business Differentiation



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.



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.

New Build Engine

General Information
Choose an ID and engine type for the new build engine.

ID:

Description:

Available build engine types:

- Jazz Build Engine
- Rational Build Agent
- Rational Build Forge**

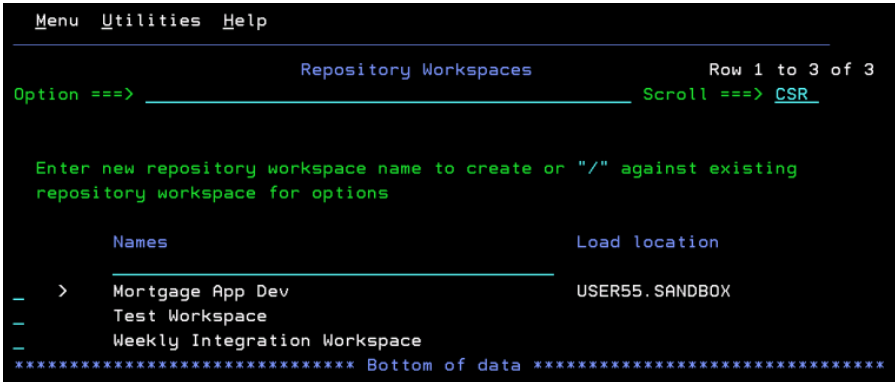
Description:
This build engine registration represents a connection to Rational Build Forge.

Help < Back Next > Cancel Finish

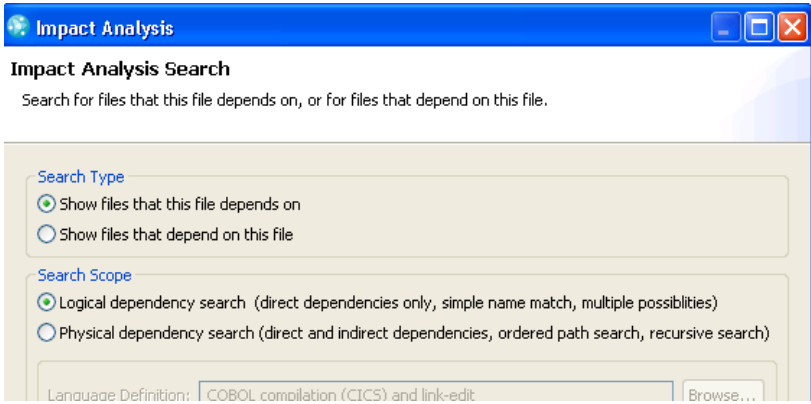


IBM Enterprise Platforms Enhancements (System z and Power)

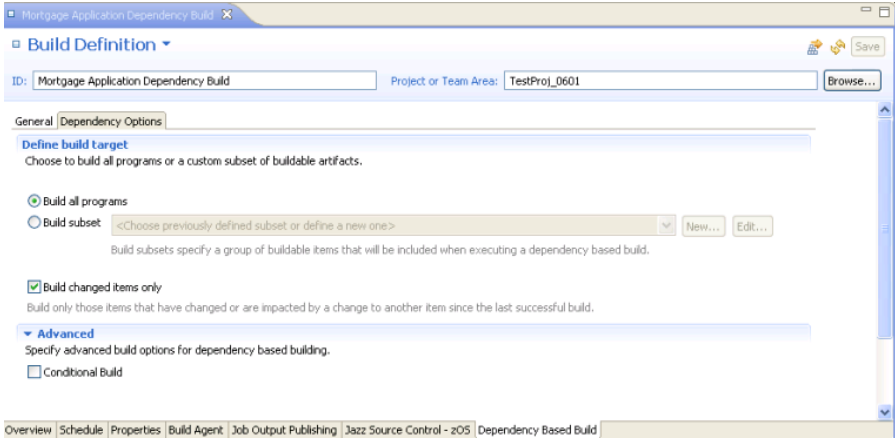
- UI for “Green Screen” ISPF RTC SCM client users (in all variants of RTC Developer)
- Build dependency and impact analysis for z/OS and IBM i development
- Support promotion through a development hierarchy (z/OS and IBM i)
- Deployment Support for z/OS, IBM I, UNIX and Linux systems



ISPF SCM Client



Impact Analysis



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*
- ▶ *Static Analysis integrations with FxCop*
- ▶ *And much more...*

- **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*



Driving Business Differentiation



Enhanced RTC Client for Microsoft Visual Studio IDE

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



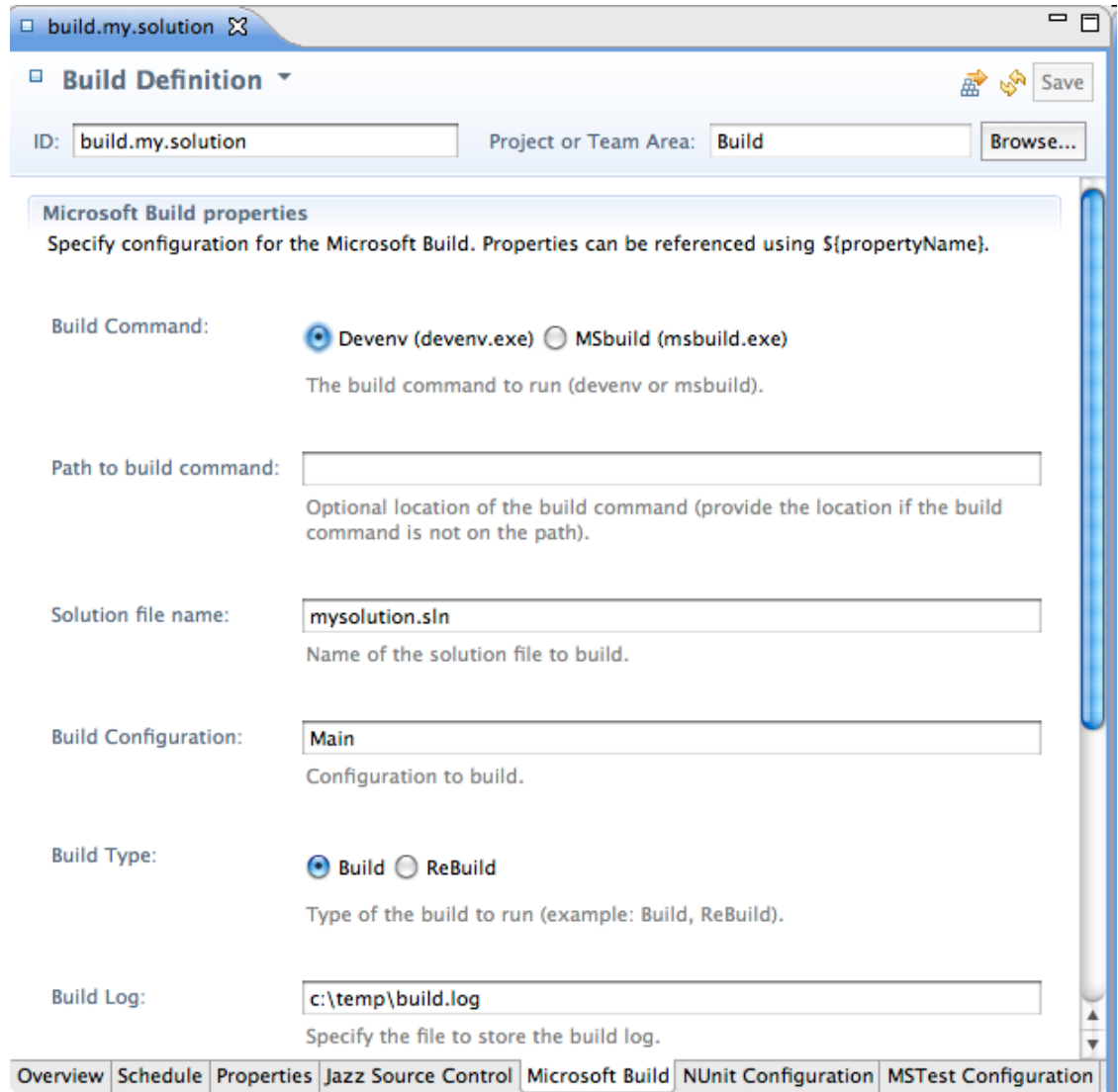
Team Advisor Support – with Guidance

Merges	Comment	Creator	Date Created
	92411: CFA (sandbox, copy file area) explorer/browser	Sreerupa Sen	31/05/2010 6:23 PM
	92256: Annotate missing in the RTC Client for Visual St	Prabodh Mairh	26/05/2010 8:29 AM
	92256: Annotate missing in the RTC Client for Visual St	Prabodh Mairh	21/05/2010 6:22 PM
	92256: Annotate missing in the RTC Client for Visual St	Prabodh Mairh	20/05/2010 11:46 PM
	92411: CFA (sandbox, copy file area) explorer/browser	Sreerupa Sen	20/05/2010 11:33 PM
	114291: Repository workspaces that are not loaded anc	Sreerupa Sen	16/05/2010 10:41 PM
	94396: Integrate source code delivery with external toc	Krishna Kishore	15/05/2010 7:04 PM
	94396: Integrate source code delivery with external toc	Krishna Kishore	14/05/2010 3:50 PM
	112633: RTC VS Net Client: Notification pop-up window	Prabodh Mairh	11/05/2010 6:14 PM
	112633: RTC VS Net Client: Notification pop-up window	Prabodh Mairh	10/05/2010 7:53 PM
	94563: Ability to set current sandbox without having to	Sreerupa Sen	07/05/2010 5:08 PM
	94563: Ability to set current sandbox without having to	Sreerupa Sen	07/05/2010 4:46 PM
	94563: Ability to set current sandbox without having to	Sreerupa Sen	28/04/2010 11:09 PM
	94396: Integrate source code delivery with external toc	Krishna Kishore	17/04/2010 11:37 PM
	111472: Add Actions group in Team Advisor	Krishna Kishore	08/04/2010 5:09 PM
	92256: Annotate missing in the RTC Client for Visual St	Prabodh Mairh	01/04/2010 7:14 PM
	94401: Specify Jazz specific properties for a file/folder i	Priyadarshini Gorur	26/03/2010 2:35 PM
	91013: Search for locks in the Visual Studio Client	Krishna Kishore	23/03/2010 2:14 PM
	92264: Use ContribMenuItem for Context menus - r	Krishna Kishore	15/03/2010 5:04 PM
	108811: Problem with build I30M5_20100312-0539 - M	Priyadarshini Gorur	12/03/2010 12:26 PM
	94689: Toast popups for the RTC for Visual Studio Clie	Prabodh Mairh	08/03/2010 3:10 PM
	106913: Enable 'Add to Ignore List' context menu on a	Priyadarshini Gorur	02/03/2010 7:59 PM
	95127: Displaying My Team Areas in the TAN - adding i	Krishna Kishore	23/02/2010 12:40 AM
	95127: Displaying My Team Areas in the TAN - adding i	Krishna Kishore	21/02/2010 4:51 PM
	106420: Move Check-in Options to a new page.	Priyadarshini Gorur	19/02/2010 6:38 PM
	106118: Refresh at the folder level in the solution expl	Priyadarshini Gorur	16/02/2010 4:30 PM

Rich history view in VS client (Merge info displayed)

Jazz Build for Microsoft Visual Studio Solution

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



The screenshot shows the 'Build Definition' configuration window for a build named 'build.my.solution'. The 'Project or Team Area' is set to 'Build'. The 'Microsoft Build properties' section is expanded, showing the following configuration:

- Build Command:** Devenv (devenv.exe) MSbuild (msbuild.exe). Description: The build command to run (devenv or msbuild).
- Path to build command:** [Empty text box]. Description: Optional location of the build command (provide the location if the build command is not on the path).
- Solution file name:** mysolution.sln. Description: Name of the solution file to build.
- Build Configuration:** Main. Description: Configuration to build.
- Build Type:** Build ReBuild. Description: Type of the build to run (example: Build, ReBuild).
- Build Log:** c:\temp\build.log. Description: Specify the file to store the build log.

At the bottom, a navigation bar includes tabs for Overview, Schedule, Properties, Jazz Source Control, Microsoft Build (selected), NUnit Configuration, and MSTest Configuration.



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.

The screenshot displays the DOORS application window titled "Requirements Driven Development" current 0.0 in /Demonstration (Formal module) - DOORS. The interface includes a menu bar (File, Edit, View, Insert, Link, Analysis, Table, Tools, Discussions, User, Change Management, Help), a toolbar, and a "View" dropdown set to "Standard view".

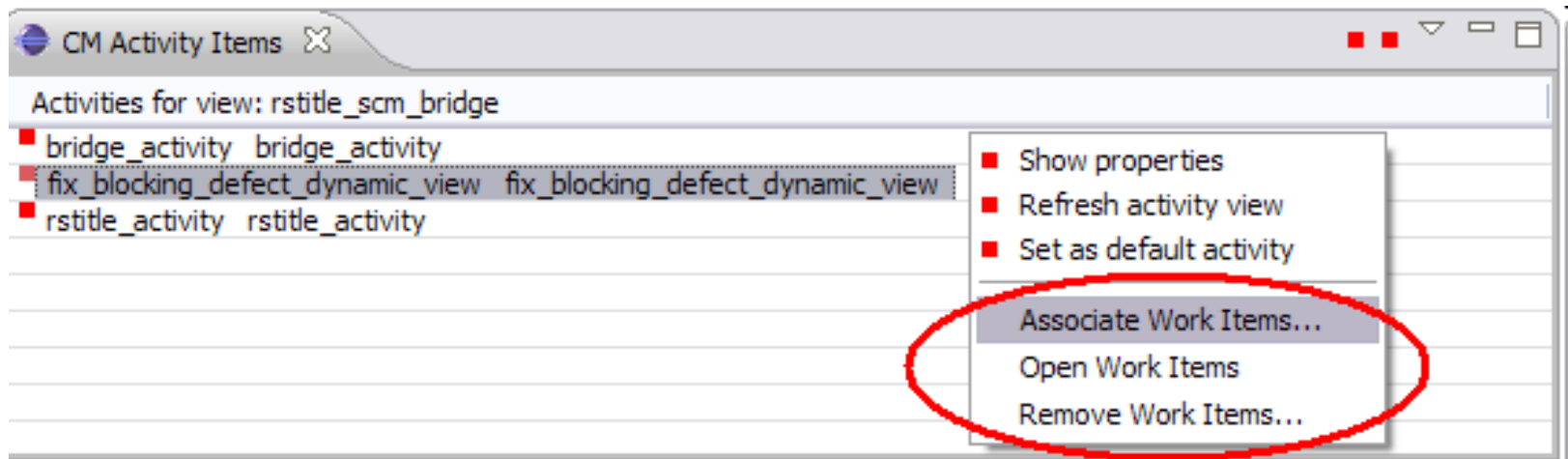
On the left, a tree view shows the project structure under "Requirements Driven Development", with "1.5 Applicability of the documentation" expanded to "1.5.1 Scope and field of application".

The main table lists requirements with columns for ID, Category, Status, Resolution, and Summary. A rich hover tooltip is displayed over the requirement with ID 8 (1.5.2 Validity), showing a "New" status and a "Demonstrate linkage to DOORS" summary. The tooltip is divided into sections: "Details" (Type: Task, Severity: Normal, Found In: Unassigned, Creation Date: October 7, 2010 1:54 PM, Created By: Brian Steele, Project Area: Demonstration, Filed Against: Demonstration), "Quick Information" (Subscribers (1): BS), and "Description" (Now with Rich Hover!).

Rich hover in DOORS showing a related Work Item

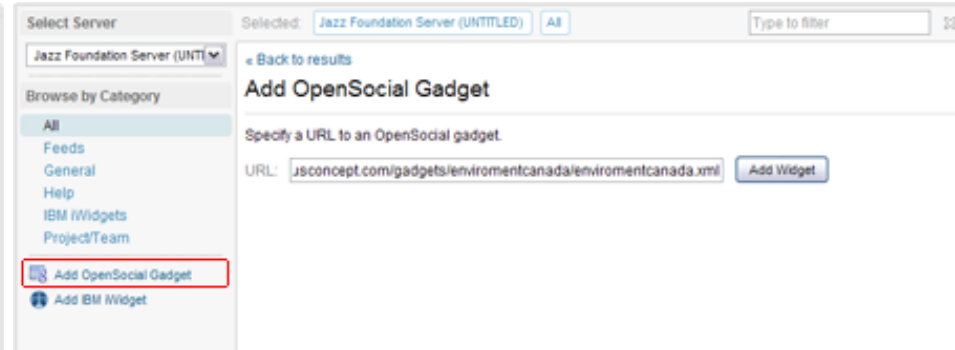
Enhanced ClearCase and ClearQuest Bridges

- 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.

Summary of RTC 3.0



Driving Business Differentiation

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



Driving Business Differentiation

- See more details on new capabilities in Rational Team Concert 3.0 download pages at www.jazz.net
 - ▶ [What's New in RTC 3.0](#)
 - ▶ [RTC 3.0 Download](#)
- For the latest Collaborative Application LifeCycle Management information see:
 - ▶ [C/ALM](#)
- Try out the latest RTC in our sandbox
 - ▶ [RTC Sandbox](#)



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