

Jazz Tunes for the .NET Developer

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IBM Software

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About the Presenter

- Sreerupa Sen, **IBM Rational, Rational® Team Concert™ Client For Microsoft® Visual Studio™ IDE**

Agenda

- What is the Rational® Team Concert™ Client For Microsoft® Visual Studio™ IDE?
- A quick tour of the Client
 - ▶ Source Control
 - ▶ Process Awareness
 - ▶ Work Item Improvements
 - ▶ Build Integration
 - ▶ Reports, Planning
 - ▶ Feeds, Notifications
 - ▶ CLM for the .NET developer
- Our top picks for ‘coolness’
- Self-hosting, best practices
- Increased focus on enabling .NET developers
 - ▶ Sample Application for .NET developers
 - ▶ jazz.net
- Using ClearCase™, ClearQuest™

What is RTC for Microsoft® Visual Studio™ IDE?

Team Collaboration for .NET Developers

- A Team Collaboration environment for .NET developers.
- Source control, work item tracking, build, process & collaboration services
- Links to test cases, requirements



A Visual Studio Client Integration

A First Class Integration with Microsoft Visual Studio to enhance developer productivity



Innovative Software Engineering

Heterogeneity

- A Common Team Collaboration Server infrastructure based on Jazz.
- A Visual Studio Client for .NET developers
- An Eclipse Client for Java developers
- A Web Client for other stakeholders
- Powered by Jazz



Vision

Brings the Jazz vision to .NET developers :
The value and experience that future Rational products can bring to software and systems delivery teams

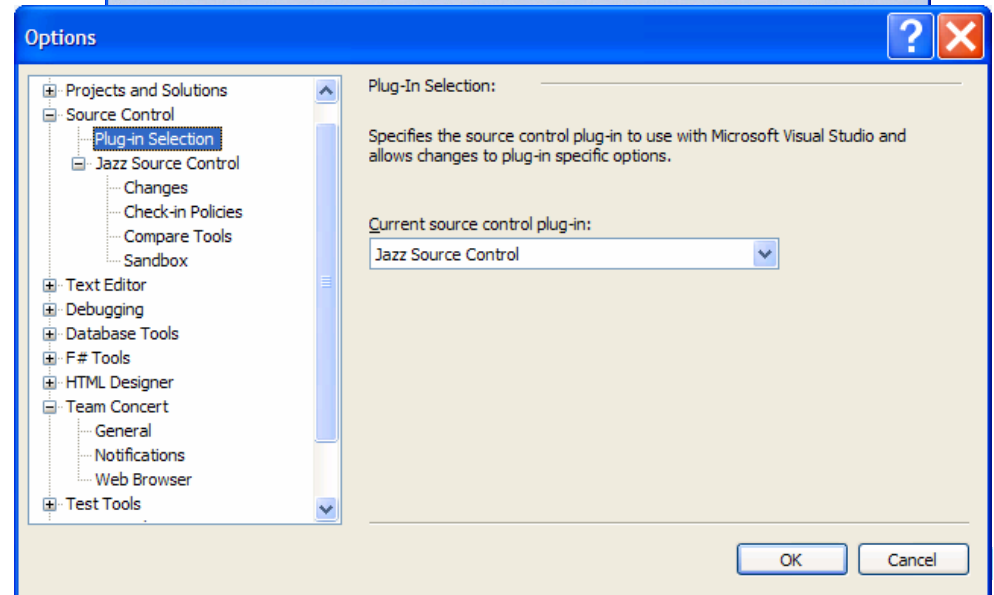
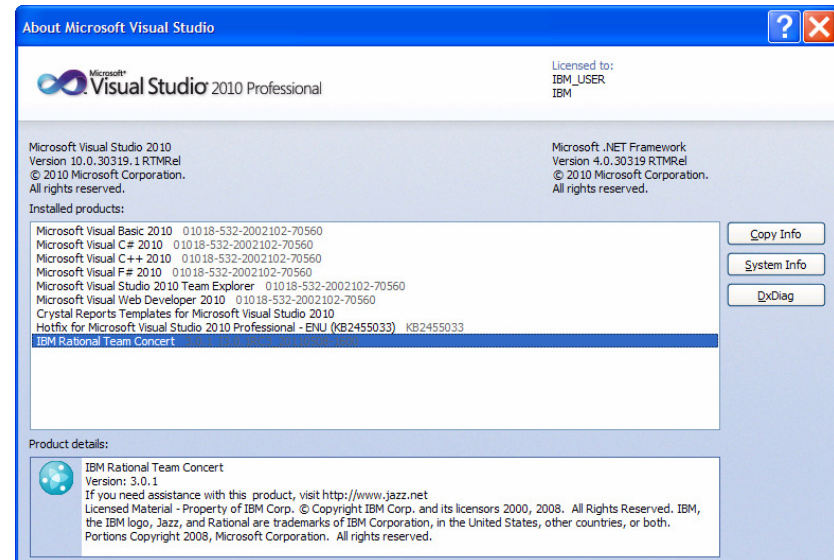
Rational.

Focus

- Emphasis on Developer use cases
 - SCM
 - Work Items
 - Builds
 - Team and Process awareness
 - CLM
 - Reports, Planning
- Goals for 3.0, 3.0.1
 - Richer in-shell experience
 - Ease of use for the Visual Studio user
 - Better integration with the Jazz Platform
 - Greater team awareness
- Caters to heterogeneous teams in conjunction with RTC Eclipse and SCM CLI

RTC for Microsoft® Visual Studio™ IDE

- **Natively implemented in Visual Studio**
 - ▶ **A first class integration into Visual Studio**
- An extension of the Visual Studio IDE
 - ▶ Integrates into Editors, Properties View, Solution Explorer, Options pages, Toolbars, Menus, Tool Windows, Error View
 - ▶ Integrates into Visual Studio as a source control provider
- Supports Visual Studio 2010, 2008 and 2005
- Minimum requirement - NET 3.5 SP1
- Follows Visual Studio international settings



Installs and Downloads

- Installable via IBM Installation Manager
- Downloadable from jazz.net
 - ▶ <https://jazz.net/downloads/rational-team-concert/>
 - ▶ 3.0.iFix1
 - ▶ 2.0.0.2 iFix6 (and other iFix releases), 2.0.0.2, 2.0.0.1, 2.0, 1.0.1.1 ...

The screenshot shows the 'Downloads' page for Rational Team Concert on the jazz.net website. The page includes a navigation menu at the top with links like Home, About Jazz, Roles, Projects, Downloads, Forums, Library, Development, and Community. The main content area features a 'Download 3.0 iFix 1' button with a green arrow icon and the date 'March 15, 2011'. Below this, there is a section titled 'All Downloads' with a search prompt. Two tables list download history for 'Rational Team Concert 3.0.1' and 'Rational Team Concert 3.0'. The tables have columns for Date, Type, and Version.

Rational Team Concert 3.0.1		
Date	Type	Version
2011/04/30	Milestone	Rational Team Concert 3.0.1 RC2
2011/04/11	Milestone	Rational Team Concert 3.0.1 RC1
2011/03/28	Beta	Rational Team Concert 3.0.1 Beta 3
2011/02/26	Milestone	Rational Team Concert 3.0.1 M13
2011/01/18	Milestone	Rational Team Concert 3.0.1 M12

Rational Team Concert 3.0		
Date	Type	Version
2011/03/15	Release	Rational Team Concert 3.0 iFix 1
2010/11/23	Release	Rational Team Concert 3.0
2010/11/09	Milestone	Rational Team Concert 3.0 RC3
2010/10/25	Milestone	Rational Team Concert 3.0 RC2
2010/10/08	Milestone	Rational Team Concert 3.0 RC1
2010/09/20	Milestone	Rational Team Concert 3.0 RC0 (Beta 2)
2010/08/16	Milestone	Rational Team Concert 3.0 M8
2010/07/19	Milestone	Rational Team Concert 3.0 M7a (Beta 1)
2010/06/17	Milestone	Rational Team Concert 3.0 M6a

Agenda

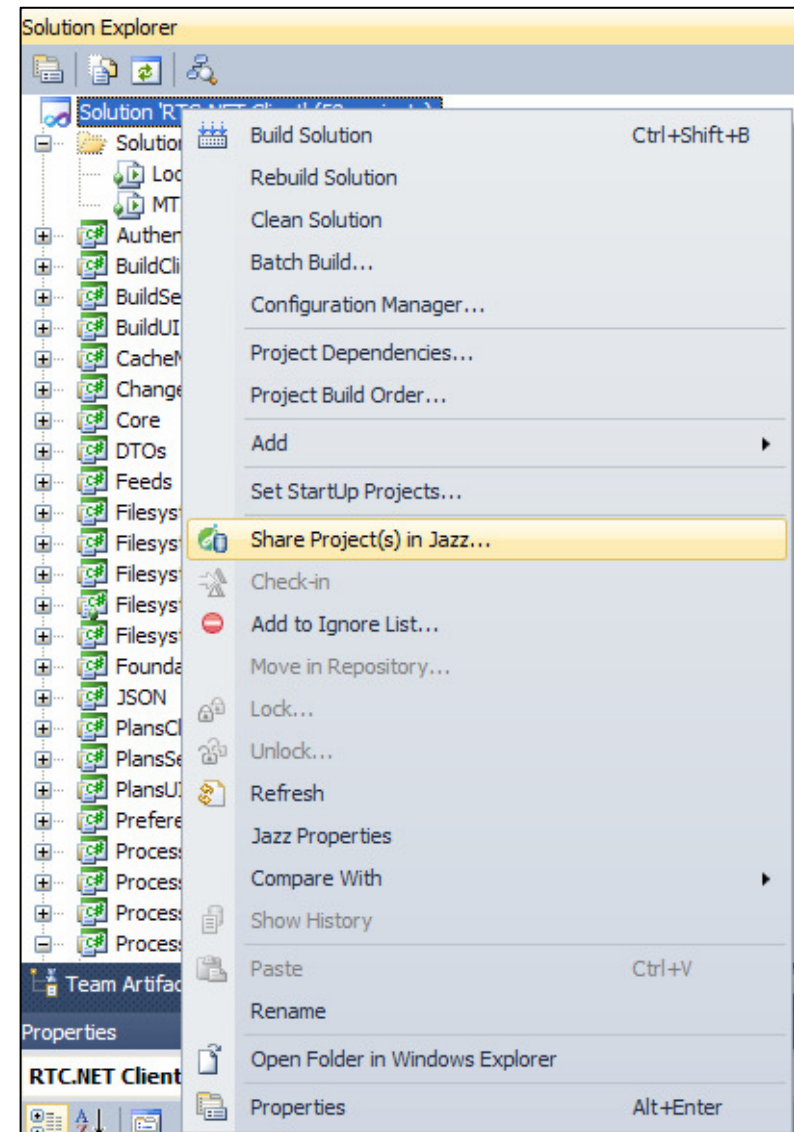
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Source Control

- New** Flexible Share
 - Distributed SCM
- 3.0** Jazz Properties
 - Rich History, Annotate
- New** Scoping
 - Miscellaneous

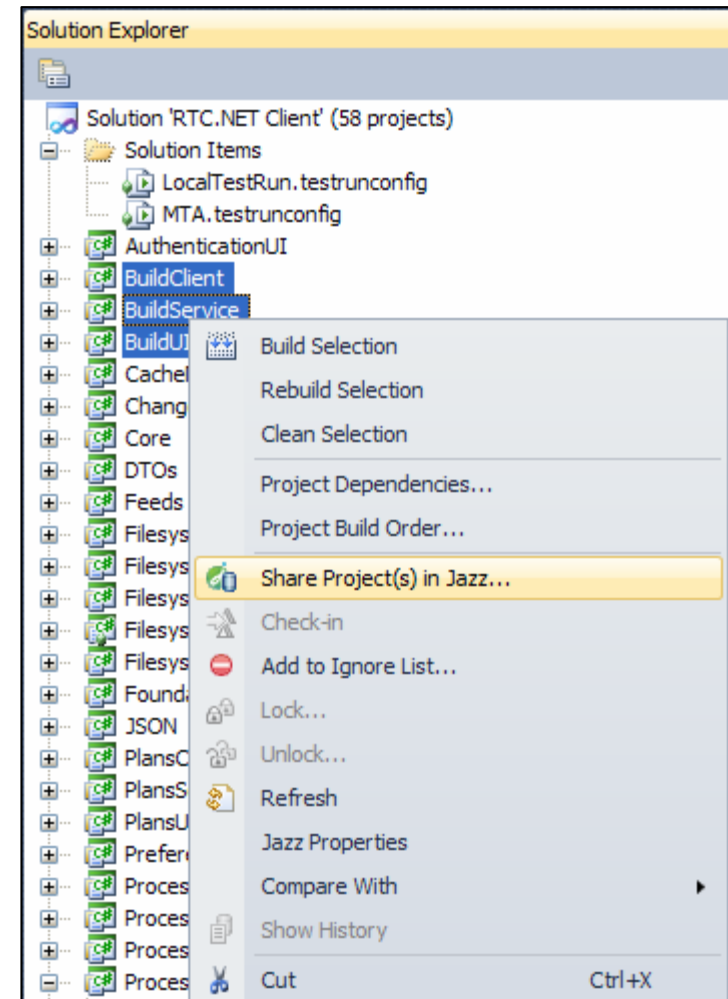
Flexible Mapping of Visual Studio Sources

- You can organize your sources to have one or more Visual Studio solutions per functional module
 - ▶ Partitioned solutions
 - ▶ Solutions map to Jazz components
 - ▶ SCM bindings written into solution files and project files
 - ▶ Projects are 'homed' in one solution, may be included in many
 - ▶ Projects in a solution hierarchy are shared to the same Jazz component as the 'home' solution
 - ▶ Recommended approach
- 'Share' via the Solution Explorer



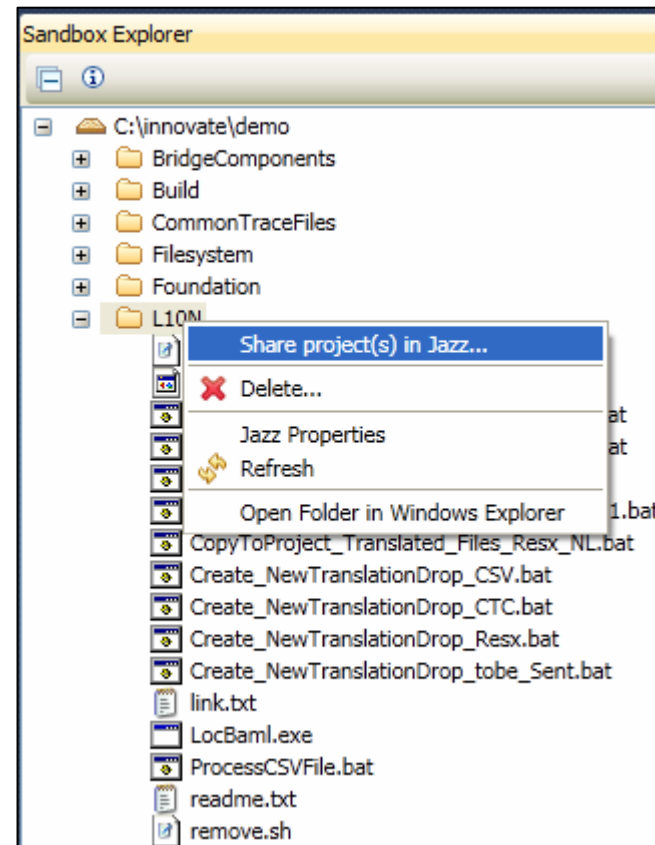
Flexible Mapping of Visual Studio Sources

- You can organize your sources to have one or more projects per functional module
 - ▶ You don't need to check in a solution file
 - ▶ One or more projects map to a Jazz component
 - One or more projects 'shared' to a Jazz component
 - ▶ SCM bindings are written into project files
- You can share websites to Jazz components
 - Share via the Solution Explorer



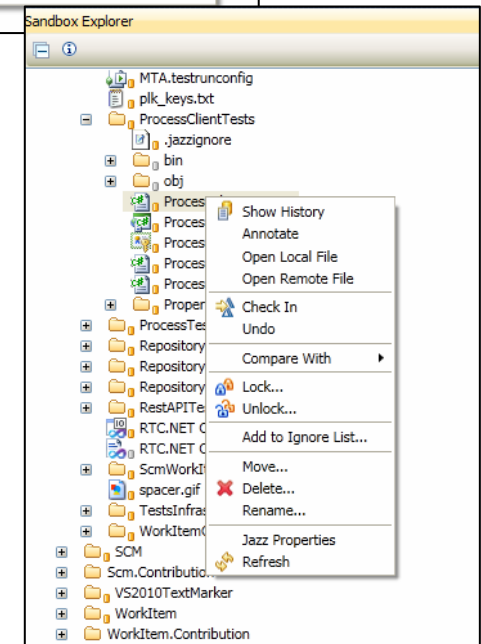
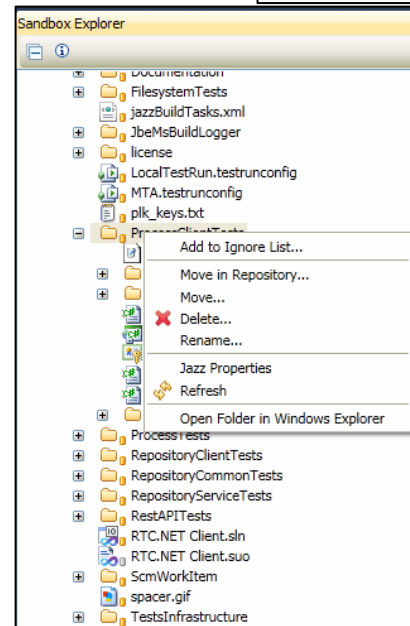
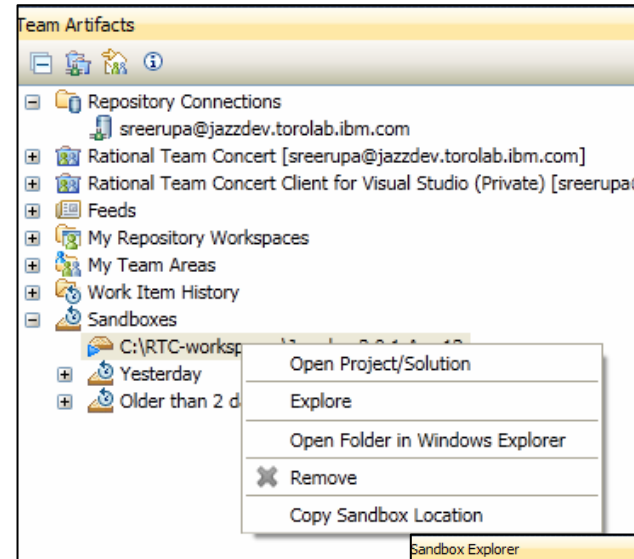
Flexible Mapping of Visual Studio Sources

- You can directly map folders to Jazz components
 - ▶ Documents folders
 - Design, test plans ...
 - ▶ Libraries that you use
 - ▶ Scripts
 - ▶ ...
- Share via the Sandbox Explorer



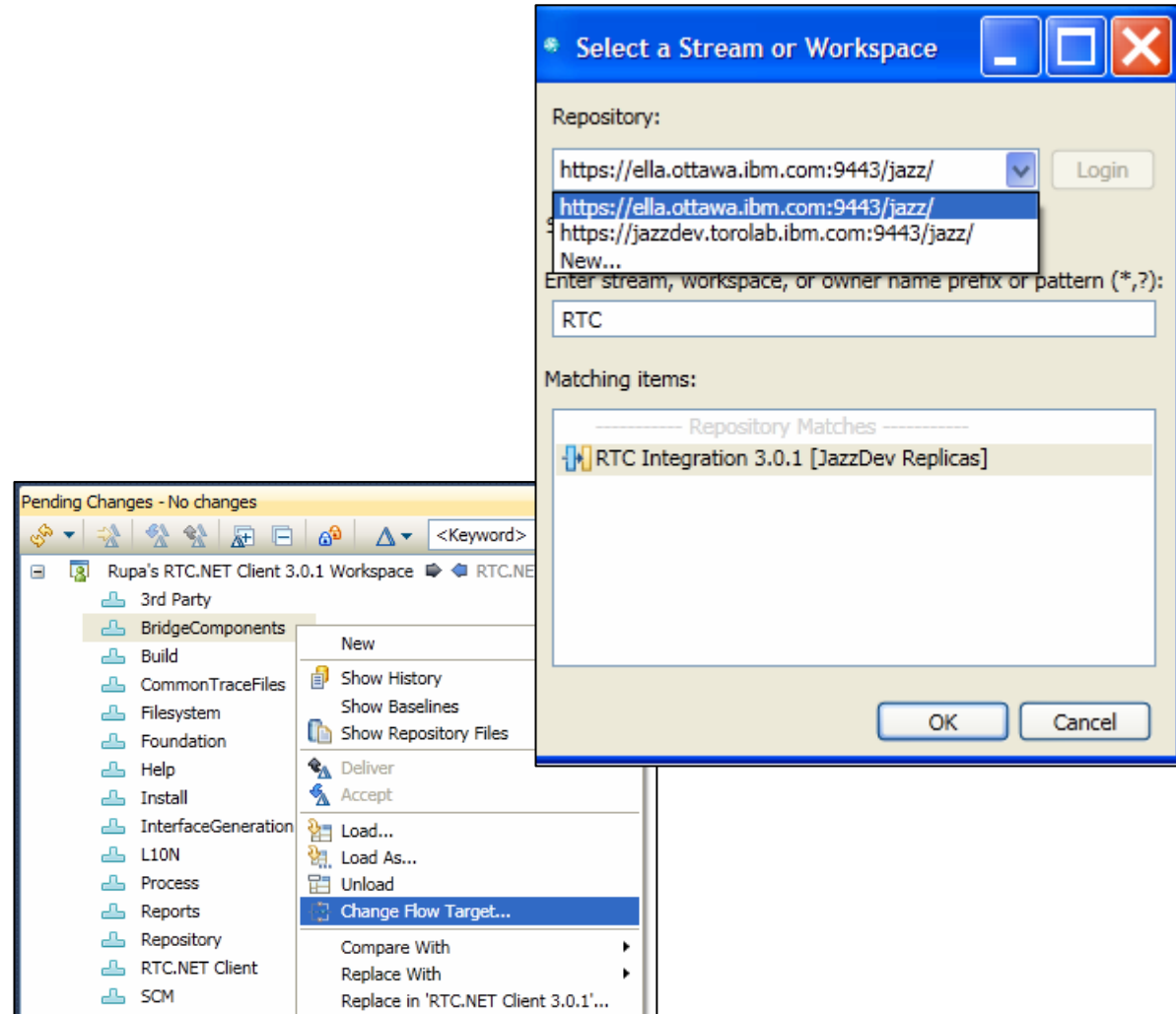
Sandbox Explorer

- Lets you work with and source control files and folders outside of a solution hierarchy
- Rich set of source control options
- Move and Rename preserve history
 - ▶ Within the sandbox
 - ▶ Across components
- Easily switch between sandboxes via the Sandbox History in the Team Artifacts Navigator



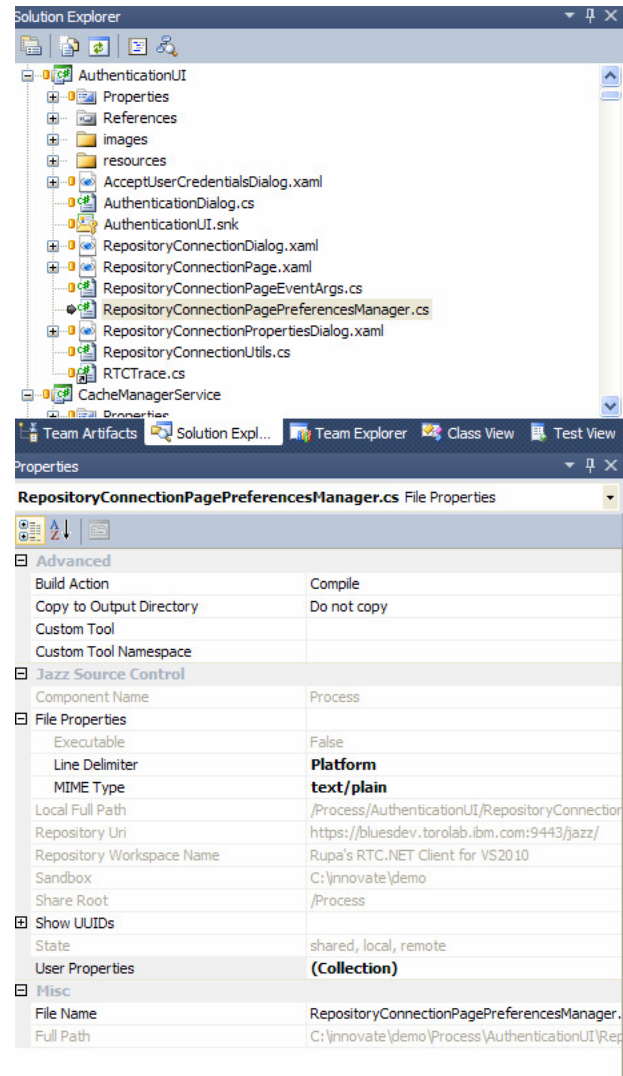
Distributed SCM

- You can flow your changes across repositories
 - ▶ Deliver, Accept
 - ▶ Components are cloned across repositories
 - ▶ Change sets are replicated



Jazz Properties

- You can view RTC/Jazz specific properties in the Properties View for a file.
- Edit RTC/Jazz specific Properties
- Add custom properties
- Version and compare properties



Rich History View, Annotate

- Annotate lets you figure out who modified a particular line in a source file.
 - ▶ Who do we 'blame'? ☺
- You can navigate to the corresponding change set in the History View

The screenshot shows a Visual Studio IDE with a source code file open. A popup window is displayed over the code, providing details for a specific change:

```

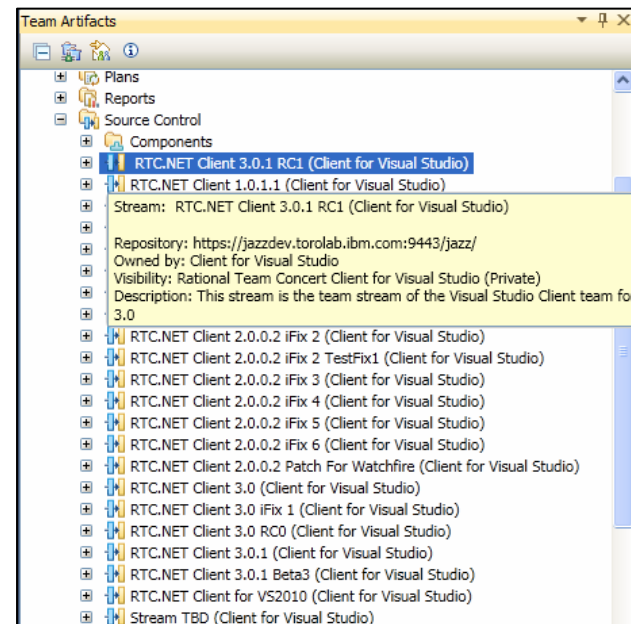
Author: Sreerupa Sen
Date: Aug 10, 2010 4:51 PM
Comment: Adding/removing/editing flow targets
Reasons: 125131: Editing an existing flow target in the workspace editor
92291: Adding flow targets to streams and repository workspaces via the editor
    
```

Below the code editor, the History View window is visible, showing a list of changes for the file 'FilesystemClient.cs' in the workspace 'Rupa's RTC.NET Client 3.0.1 Workspace' (100 entries). The table below represents the data shown in the History View:

Merges	Comment	Creator	Date Created
	90998: Unlocked file must be removed from the "Team	Krishna Kishore	22/02/2011 10:01 PM
	90998: Unlocked file must be removed from the "Team	Krishna Kishore	22/02/2011 9:42 PM
	131305: Component picker should have a filter - Suppo	Sreerupa Sen	18/02/2011 11:12 PM
	153844: Adding a component to a workspace from a sr	Sreerupa Sen	17/02/2011 2:29 PM
	153671: Change Flow target takes time to fill up works	Shubhvardhan Manjajya	16/02/2011 9:30 AM
	140252: Incoming, Outgoing and Conflict glyphs not up	Sreerupa Sen	30/01/2011 9:15 AM
	147965: Add copyright notices to the VS Client sources	Krishna Kishore	08/01/2011 7:23 AM
	147965: Add copyright notices to the VS Client sources	Krishna Kishore	07/01/2011 7:35 PM
	139633: Component selection is lost when changing flo	Shubhvardhan Manjajya	05/01/2011 4:50 PM
	140104: Typo ("workspace" vs "workspace")	Shubhvardhan Manjajya	23/11/2010 4:42 PM
	131328: Moving a file or a folder across components dc	Sreerupa Sen	12/10/2010 11:31 PM
	133753: Adopt postCheckinChanges with ParmCheckIn	Shubhvardhan Maniavva	06/10/2010 5:52 AM

Scoping – Team Private Artifacts

- Restrict streams and components to be visible to the members of a Team Area
 - ▶ Team Private.
- Workspaces and contributor owned components will be created with a default visibility of 'Private'.
- Rich tool tips on the SCM artifacts provide information on ownership and visibility



Miscellaneous

- Native stream/workspace editor
- External Compare Editors
- Flexible loading
- Component Administration
- New* Locating change sets

Work Items

3.0

▪ Native Editor

New

▶ Rich text toolbar

New

▶ Better support for custom presentations

▶ Support for Time lines

New

Usability improvements in the Work Items View

▪ Work Item History

3.0

Current Work

Work Items Editor

- Process aware native editor
 - ▶ Rich text tool bar
 - ▶ User links, external links

The screenshot displays the 'Work Items Editor' for 'Task 164395'. The interface includes a 'Summary' field with the text 'Track iteration 3.0.1 RC3: RTC VS Client' and a 'Triaged' status dropdown. On the left, a metadata table lists various fields:

Type	Task
Severity	Normal
Found In	3.0.1 RC2
How Found	Development
Creation Date	May 4, 2011 12:31 AM
Created By	Sreerupa Sen
Team Area	Client for Visual Studio
Project Area	Rational Team Concert
Filed Against *	Visual Studio Client
Tags	
Owned By	Sreerupa Sen
Priority	High
Planned For	3.0.1 RC3

The main content area features a rich text editor with a toolbar and the following text:

3.0.1 RC3 : 2 Weeks
 May 2nd - May 13th
 Stream : [RTC.NET Client 3.0.1](#)

Project Rules of the road : See <https://jazz.net/wiki/bin/view/Main/RTCEndGame301>

- Code changes Approvals/Reviews : **1 Component lead approval, 1 Peer review**
- No Feature work
- Work items which affect the UI are tagged with: [3.0.1affects_ui](#), [translation_impact](#). Needs approvals from Kit Lo, John Camelon.
- Work items which affect translations are tagged with: [3.0.1affects_strings](#), [translation_impact](#). Needs approvals from Kit Lo.

Below the editor is a 'Discussion' section with an 'Add Comment' link. A comment by Sreerupa Sen on 04/05/2011 at 10:01 AM reads:

1. Sreerupa Sen 04/05/2011 10:01 AM
 This is the plan for testing. We'll start today and continue over the next couple of days and through next week. This week, we could do couple of hours every day. Each one tests his her own component from the test plan.

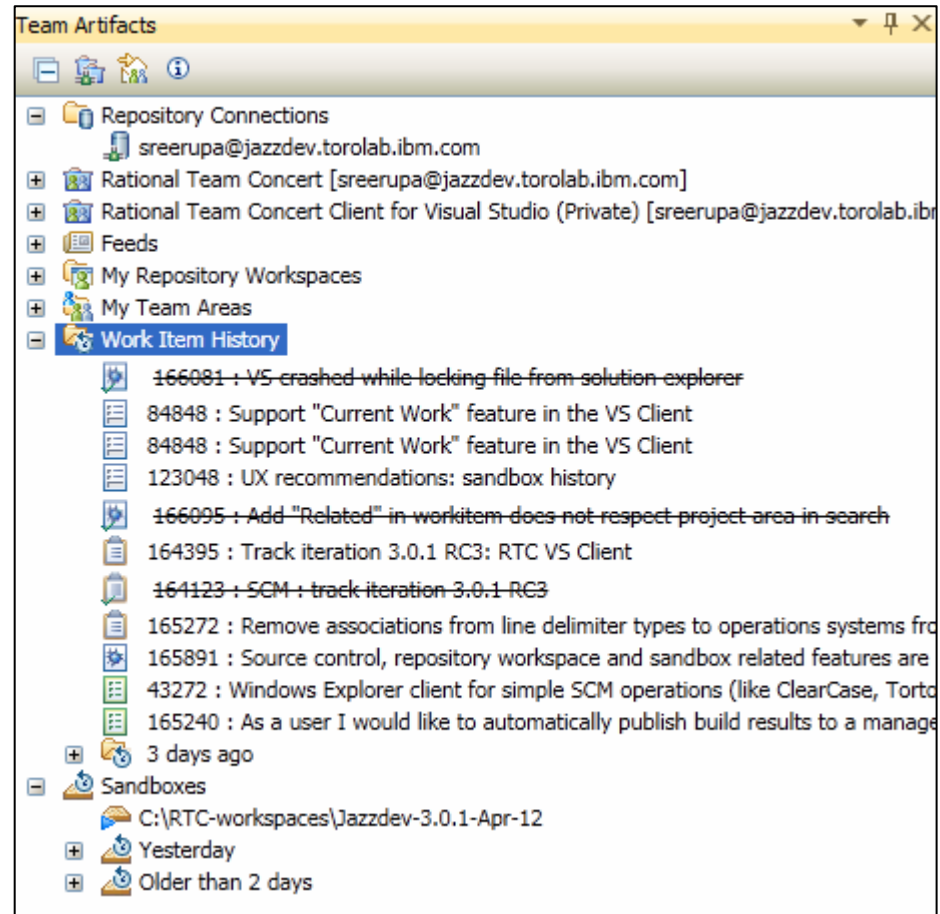
Work Items View: Usability Improvements

- You can pin the results of a query
 - ▶ Subsequent query executions will display results in another instance of the view
 - ▶ No need to rerun queries when you switch between them
- Multi-level filtering of query results
- Pinning and filters combine to powerfully improve efficiency

Type	Id	Summary	Owned By	Status	Priority	Severit	Modified Date
	848...	Support "Current Work" feature in the VS Client	Saikarthik Natesan	In Progress			12/05/2011 12:45 PM
	946...	Enhanced quick edit	Saikarthik Natesan	In Progress			09/05/2011 1:12 PM
	114...	Repository workspaces that are not loaded and just t...	Sreerupa Sen	Resolved			09/05/2011 12:10 PM
	112...	Track 3.0 M6 for RTC for Visual Studio	Sreerupa Sen	Done			27/04/2011 4:22 PM
	121...	Bring over: baseline:CTWVCM_created_baseline.715...	Sreerupa Sen	In Progress			15/04/2011 3:12 PM
	121...	track reading status	Saikarthik Natesan	In Progress			15/04/2011 10:51 AM
	121...	Bring over: baseline:CTWVCM_created_baseline.4723@\pvob	Sreerupa Sen	Triaged			14/04/2011 4:32 PM
	924...	When user sorts a column, it should add it to top of t...	Saikarthik Natesan	Triaged			06/04/2011 1:32 PM
	101...	Integrate the TAN with the Properties View	Priyadarshini Gorur	Triaged			24/03/2011 3:45 PM
	119...	Renaming a file or folder via the sandbox explorer	Krishna Kishore	Triaged			01/03/2011 8:44 AM
	119...	[UX] review properties view for files/folders	Aakash Agarwal	New			23/02/2011 11:41 PM
	120...	VSIT tests - testing deliver and resolve	Prabodh Mairh	Resolved			09/11/2010 1:44 PM
	104...	Create build templates for VS specific builds	Krishna Kishore	Triaged			01/07/2010 1:20 AM
	119...	Provide a 'Load' option from the history view	Priyadarshini Gorur	Triaged			30/06/2010 10:29 AM
	117...	Add VS projects to the sample app	Sreerupa Sen	Triaged			29/06/2010 12:47 AM
	117...	Defining a new operation/pre-condition for code deli...	Krishna Kishore	Triaged			26/06/2010 2:53 AM
	117...	Add a comment for moved or renamed files in a chan...	Shubhvardhan Manjayya	Resolved			23/06/2010 10:53 AM
	118...	Have a Dialog based properties view for the sandbox...	Priyadarshini Gorur	Triaged			22/06/2010 12:51 PM

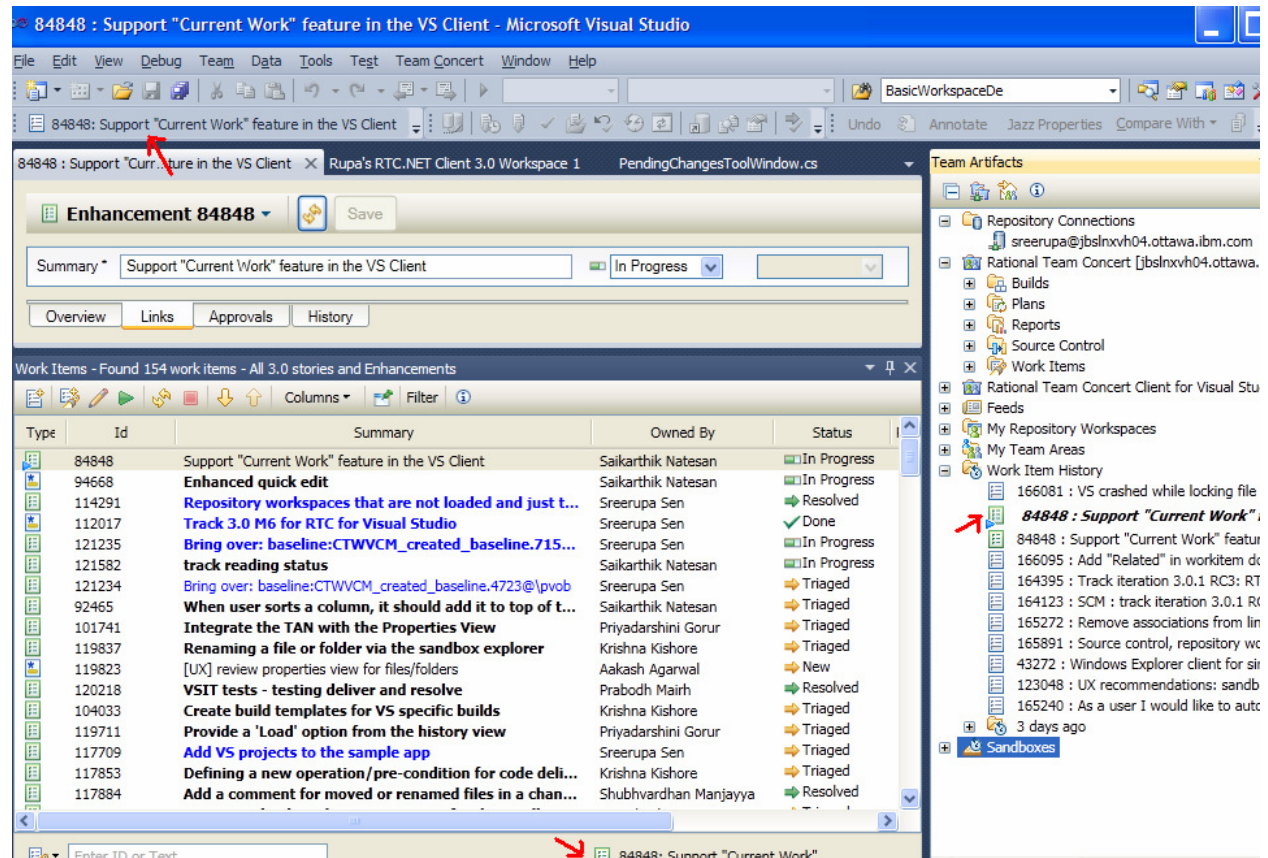
Work Item History

- Work items are listed in the Team Artifacts Navigator in the order you accessed them
 - You no longer need to remember work items of interest to you, the RTC Client for Visual Studio will remember them instead.



Current Work

- “Active” work item for your Visual Studio session.
- Your current change set will be associated automatically with this work item



Builds

- 3.0** ■ Microsoft Build Template
- New** Native build results editor
- New** Filterable build view

Build Template

- Jazz builds for Microsoft Visual Studio users
 - ▶ Simplifies configuration of builds using Microsoft build technology.
 - ▶ devenv.exe or msbuild
 - ▶ MStest or nunits
 - ▶ The compilation log and test results are published back to the build result.

□ **Build Definition** ▾
Save

ID: Project or Team Area: Browse...

Microsoft Build properties
Specify configuration for the Microsoft Build. Properties can be referenced using \${propertyName}.

Build Command: Devenv (devenv.exe) MSbuild (msbuild.exe)
The build command to run (devenv or msbuild).

Path to build command:
Optional location of the build command (provide the location if the build command is not on the path).

Solution file name:
Name of the solution file to build.

Build Configuration:
Configuration to build.

Build Type: Build ReBuild
Type of the build to run (example: Build, ReBuild).

Overview Schedule Properties Jazz Source Control Microsoft Build MStest Configuration

Build Results Editor

- Native build results editor
- Support for contributed build data

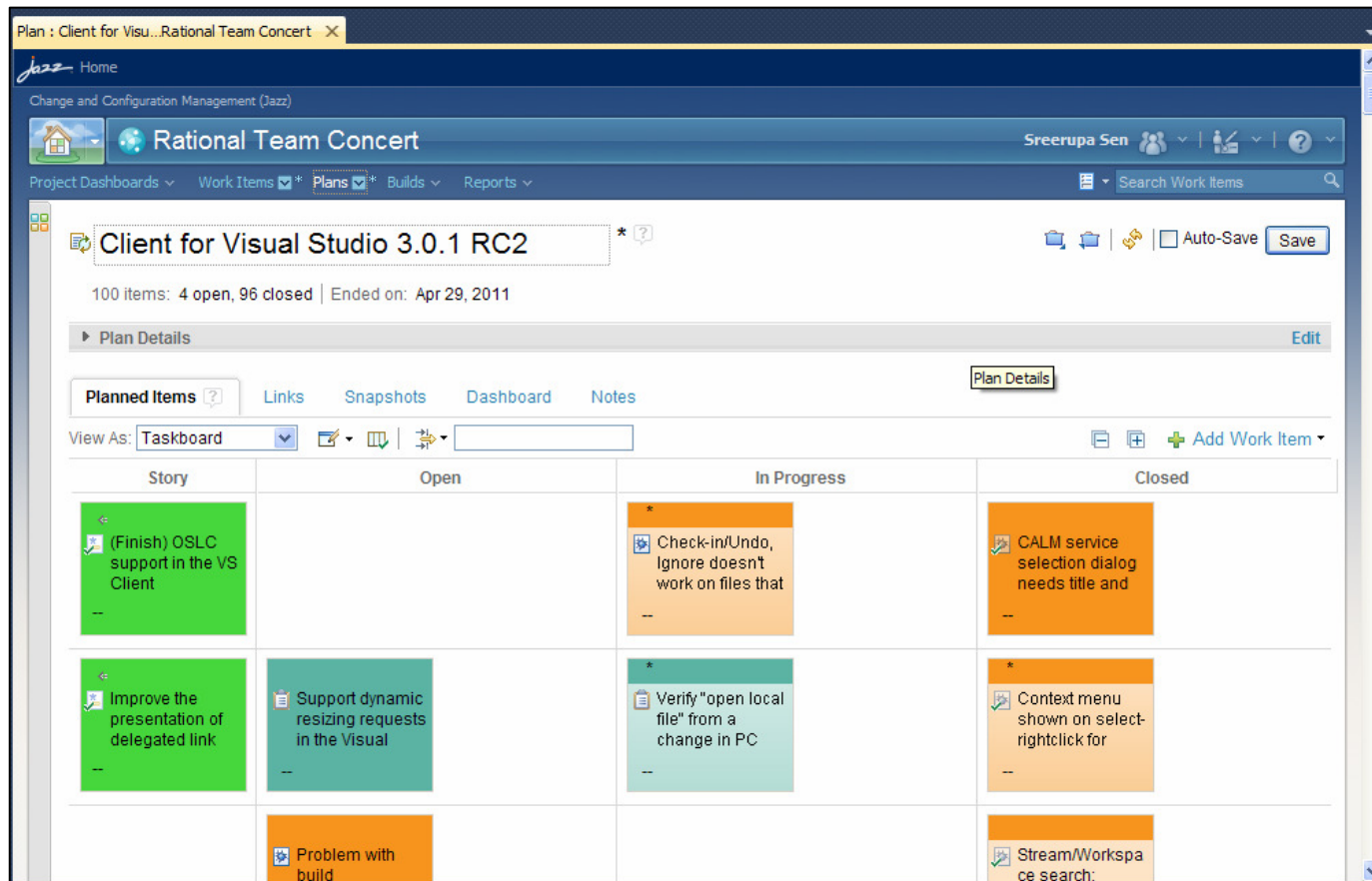
The screenshot displays the Build Results Editor interface for a build with ID I3.0.1RC420110517-0830. The interface is divided into several sections:

- Build Summary:**
 - Status: ✓ OK
 - State: ⏏ Completed
 - Duration: 1 hour, 45 minutes, 4 seconds
 - Progress: Completed
 - Start Time: 17/05/2011 9:00 PM
 - End Time: 17/05/2011 10:45 PM
- General Information:**
 - Requested By: (scheduled build)
 - Build Definition: integration.301.rtcnet
 - Build Engine: rtcvsbuild.murakami.engine
 - Build History: 55
 - Taqs:
- Contribution Summary:**
 - Logs: [1 log](#)
 - Downloads: [10 downloads](#)
 - Snapshot: [snapshot integration.301.rtcnet_I3.0.1R](#)
 - Workspace: [RTC.NET Client 3.next Build Workspac](#)
 - Work Items reported against build: [No Work Items](#)
 - Work Items included in build: [1 Work Items](#)
 - Tests: ✓ [237 tests, 0 failures, 0 errors](#)

The interface includes a top navigation bar with tabs for Overview, Activities, Properties, Logs, Downloads, and Tests. A 'Save' button is visible in the top right corner of the main content area.

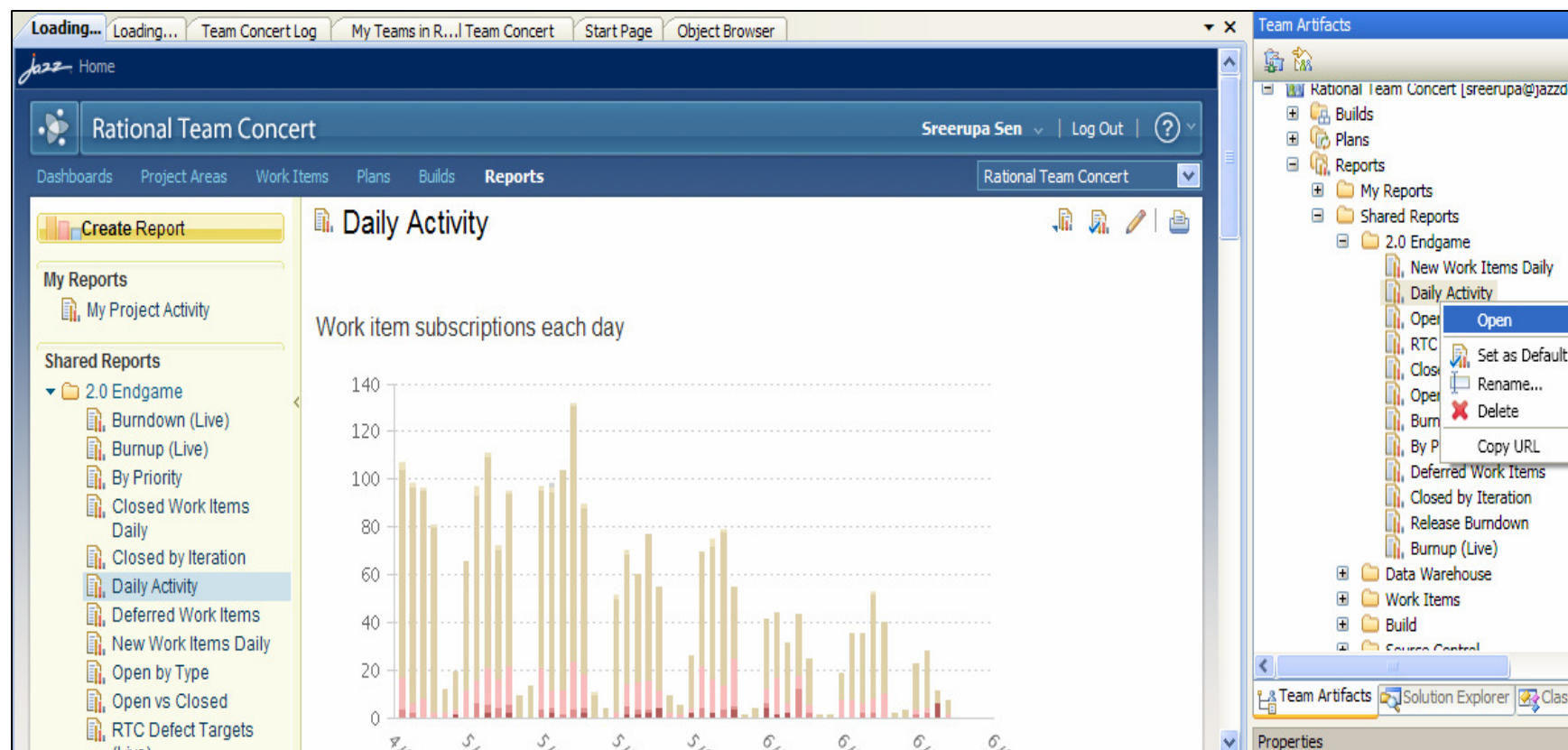
Planning

- Create/update plans using a web based rich editor from within Visual Studio



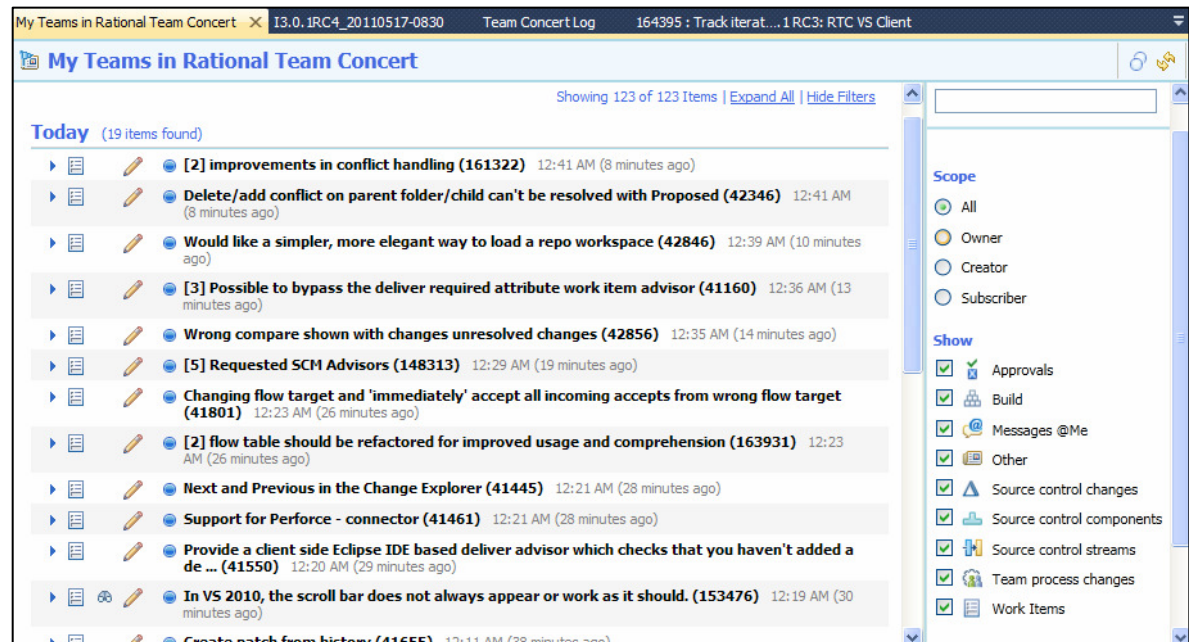
Reports

- You can now view/work with your reports from the Team Artifacts Navigator.
- You can create new reports based on the templates that come with RTC.



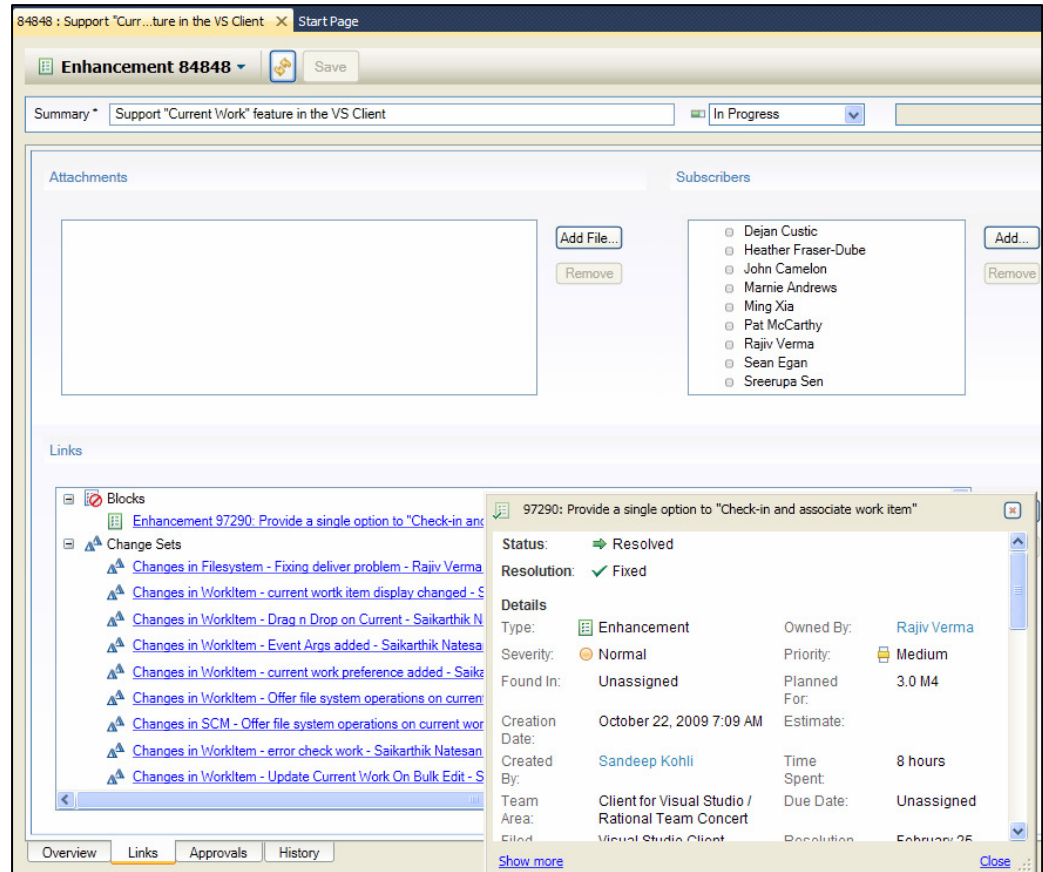
Feeds and Notifications

- You can subscribe to feeds for
 - Team events
 - Work items
 - Builds
 - Queries
 - External
- You can configure your feed subscriptions
- You can participate in work item discussions as you browse feeds
- Receive pop-up notification alerts for your feeds



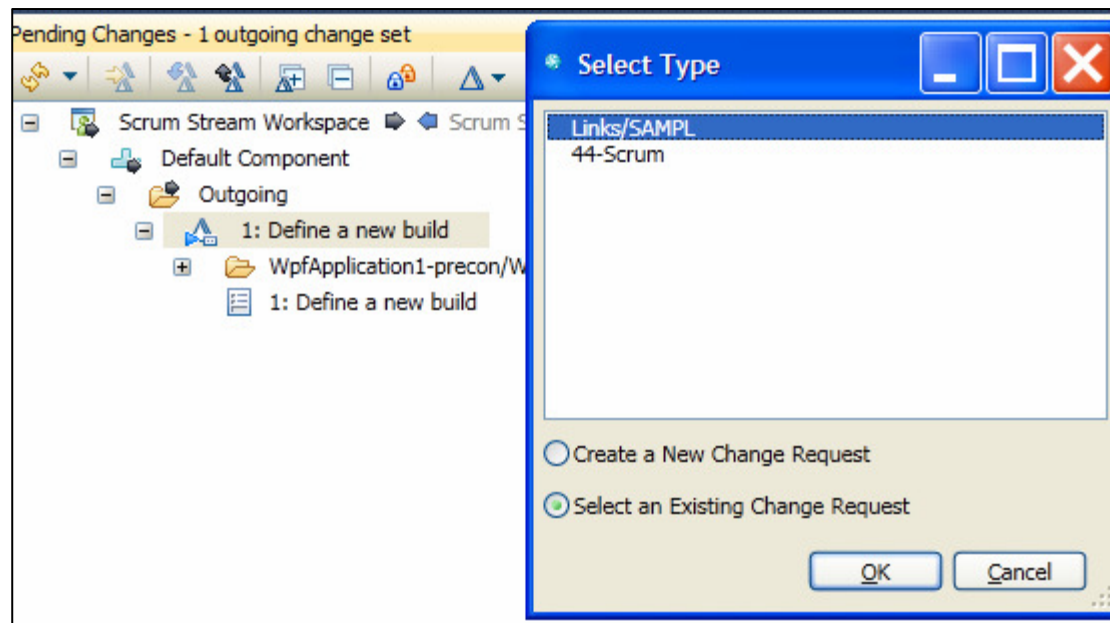
Collaborative Lifecycle Management

- Associate change sets with change requests in a 'friend' CM provider
- Link work items
 - ▶ To test cases
 - ▶ To requirements
- Create new change requests
- Rich hovers



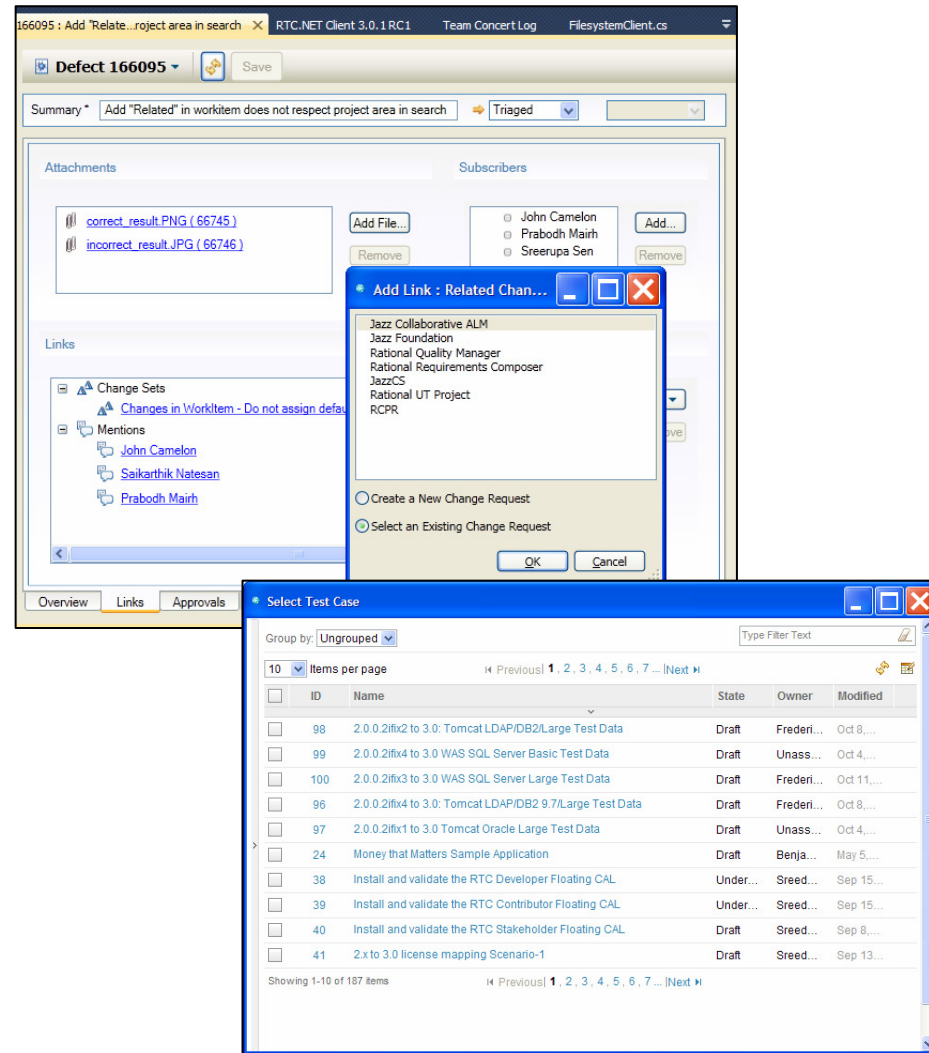
Associating Change Sets with Change Requests

- Set up your jazz server to be a 'friend' of a CM provider
- You can now deliver your change sets against change requests from your 'friend' server
- Rich hovers provide you information on the change request in the remote server



Linking Work Items

- You can link work items to
 - ▶ Change requests in other CM providers
 - ▶ Test cases
 - ▶ Requirements
- End-to-end linking between your requirements, your development tasks and your test cases



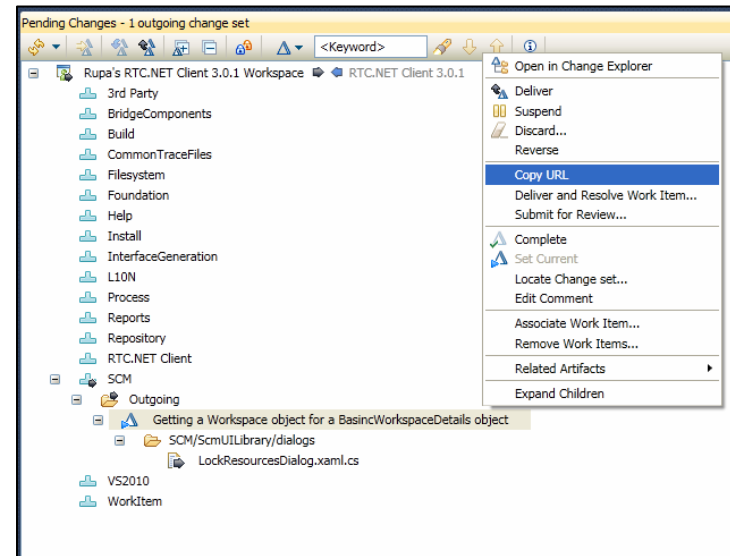
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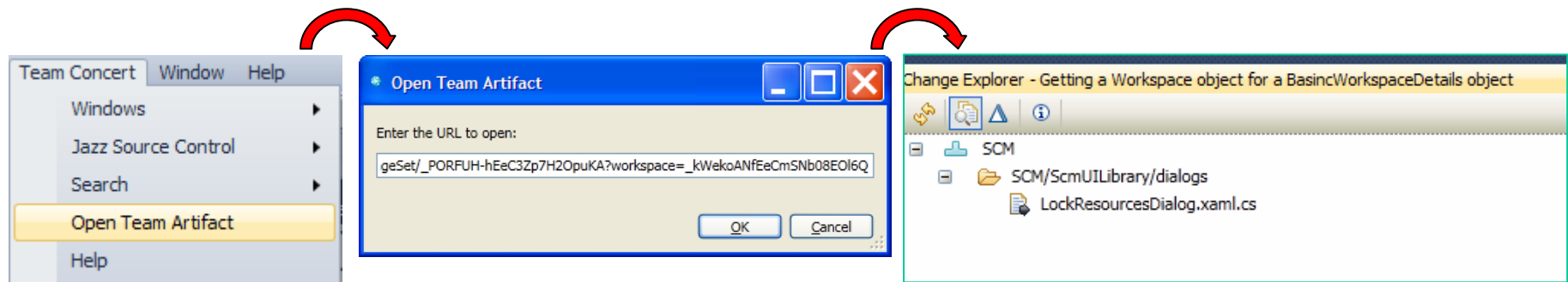
Opening a Team Artifact

- Sharing team artifacts between members of a team
 - ▶ For code reviews
 - ▶ For quickly viewing work items, build results, ...
- Pair programming made easy!

User A



User B



Multi-level filters for Work Items, Builds

- Multi-level filtering support for work items and builds
- You can get a single query to yield multi-faceted results

All Open Work Items

Type	Id	Summary	Owned By	Status	Priority	Severit
	166081	VS crashed while locking file from solution explorer	Sreerupa Sen	Triaged		
	158290	Remove the blue border in build result editor	Lakshmi Narasimhan Vai...	Reopened		
	166095	Add "Related" in workitem does not respect project a...	Saikarthik Natesan	New		
	159397	IME editing issue in filtering text field on work item v...	Prabodh Mairh	Reopened		
	164379	Review the client for Microsoft Visual Studio IDE doc...	Sreerupa Sen	Triaged		
	165919	Progress indicator goes up to 140% while connecting...	Unassigned	New		
	165811	Script error while creating New Plan Item to associat...	Shubhvardhan Manjajya	Triaged		
	165613	Open in Compare Editor does not work from Visual St...	Unassigned	New		
	165787	Issues in Sandbox/Solution Explorer	Priyadarshini Gorur	Triaged		
	163944	VSClient hangs on deletion of Repository connection	Sreerupa Sen	Triaged		
	165318	Open a remote file, right-click annotate from editor s...	Prabodh Mairh	Triaged		
	165319	FEED parser doesn't parse all external rss feeds	Prabodh Mairh	Triaged		
	165718	TAN Related bugs	Shubhvardhan Manjajya	Triaged		
	165404	Investigate threading issues when an editor is opene...	Lakshmi Narasimhan Vai...	Triaged		
	165593	Cross-Repository related defects	Shubhvardhan Manjajya	Triaged		
	101366	Open work items for builds does not work if builds an...	Lakshmi Narasimhan Vai...	Triaged		
	152022	Support dynamic resizing requests in the Visual Studi...	Shubhvardhan Manjajya	Triaged		
	148733	Support debugging in the Experimental Hive for VS 2...	Priyadarshini Gorur	Triaged		
	162641	Could not compare "Merges" change set created after...	Shubhvardhan Manjajya	Triaged		
	113993	Parse the nice error thrown by the daemon for neste...	Shubhvardhan Manjajya	Triaged		
	91991	Dilemma handling not proper for project file reload	Shubhvardhan Manjajya	Triaged		
	137813	Deleting multiple workspaces should be covered by o...	Sreerupa Sen	Triaged		

'Defect's owned by 'sreerupa'

Id	Summary	Owned By	Status	Priority	Severit
164437	VS crashed while locking file from solution explorer	Sreerupa Sen	Triaged	High	
138449	VSClient hangs on deletion of Repository connection	Sreerupa Sen	Triaged	High	
92290	VS Client Workspace editor seems to be doing IO on...	Sreerupa Sen	Triaged	High	
158000	Check-in/Undo, Ignore doesn't work on files that wer...	Sreerupa Sen	Triaged	High	
140273	When solution is disconnected, the component for the solutio...	Sreerupa Sen	Triaged	High	
92377	Add keyboard accelerators to all UI in the RTC VS Client	Sreerupa Sen	Triaged	High	
131879	First option in "Team Artifacts" node context menu is...	Sreerupa Sen	Triaged	High	
92368	UI Polishing for Connect to Project Areas dialog	Sreerupa Sen	Triaged	High	
137640	UI Polish: Expand the embedded list view/oter views...	Sreerupa Sen	Triaged	High	
124947	Create new repository connection dialog box's Shift+...	Sreerupa Sen	Triaged	High	
116702	Removing a sandbox or setting a new sandbox cause...	Sreerupa Sen	Triaged	High	
133919	scmttools not getting reused from running eclipse ins...	Sreerupa Sen	Triaged	High	
92037	logoff when redirection url like https://bluestg.torola...	Sreerupa Sen	Triaged	High	
92488	Polish Accept Team Invitation dialog	Sreerupa Sen	Triaged	High	
92400	Parental control not getting transferred to the child wi...	Sreerupa Sen	Triaged	High	
117717	After the source control option switches to "None", sc...	Sreerupa Sen	Reopened	High	
117717	For content service, do not return a string, instead re...	Sreerupa Sen	Triaged	High	
117717	Refreshing of components doesnt work if 2 users are...	Sreerupa Sen	Triaged	High	
117717	Right clicking on a source code in the team artifacts...	Sreerupa Sen	Triaged	High	

Agenda

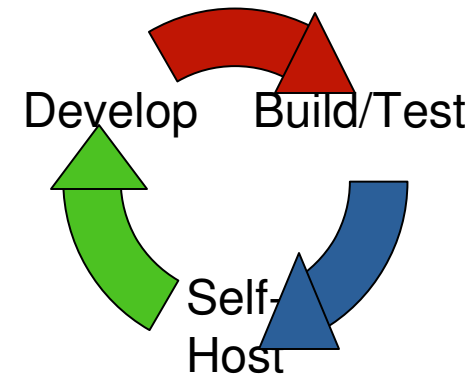
- What is the Rational® Team Concert™ Client For Microsoft® Visual Studio™ IDE?
- A quick tour of the Client
 - ▶ Source Control
 - ▶ Process Awareness
 - ▶ Work Item Improvements
 - ▶ Build Integration
 - ▶ Reports, Planning
 - ▶ Feeds, Notifications
 - ▶ CLM for the .NET developer
- Our top picks for ‘coolness’
- Self-hosting, best practices
- Increased focus on enabling .NET developers
 - ▶ Sample Application for .NET developers
 - ▶ jazz.net
- Using ClearCase™, ClearQuest™

Self-hosting

- At the completion of each iteration, we self-host.
 - ▶ We develop on VS 2010
 - ▶ Our experimental hive is on VS 2008
- We have partitioned solutions
 - ▶ One solution per component
 - ▶ Projects are homed in the solution for their component
 - ▶ Projects get included in solutions that depend on them
 - ▶ One 'master' solution that homes all the test projects and includes all the other projects from all solutions

Self-hosting

- Our continuous and integration builds are Jazz builds
 - ▶ Builds the master solution
- We've integrated our builds with Microsoft's unit testing framework
 - ▶ Each build runs through all the unit tests
- We follow the develop->build->test-> self-host->develop cycle
- The RTC team is heterogeneous
 - ▶ Team members self host using the VS Client, the Eclipse Client, the Web Client and the SCM CLI
 - ▶ We share common plans
 - ▶ We communicate via work items
 - ▶ We have common builds



What's worked for us

- Streams for every development line
 - ▶ Flow our changes, back port defect fixes
- Build definitions for every development line
- Process customizations are iteration specific
 - ▶ Relaxed rules at the start
 - ▶ More and more constraints towards the release, especially in terms of
 - Source code delivery
 - Work item approvals
- A developers life centers around work items
 - ▶ Design discussions
 - ▶ Bug reports
 - ▶ Source code deliveries
 - ▶ Approvals
 - ▶ Linking work items – children, blocks on, related to...

What's worked for us

- Daily scrums, often distributed
 - ▶ Using the Developer's Taskboard view in the Iteration Plan
- Total transparency across globally distributed teams
 - ▶ Adoption items track cross-team dependencies
 - ▶ Feeds, dashboards
 - ▶ Plans
 - Project backlog
 - Planned Items: Committed, Deferred
- Automated builds that run a bunch of MSTests
- Installables created and uploaded as a part of build results
 - ▶ For stakeholders to download and use
 - SVT
 - Globalization
 - User Assistance
 - Self-hosting

Agenda

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'Money that Matters' Sample Application

- A tutorial that explores how teams share common project goals, with complete alignment across requirements, development, and test plans.
- A new sample application for the RTC Visual Studio Client users
 - ▶ Iteration based development
 - ▶ Work items linked to plans and test cases
 - ▶ A source controlled WPF Application, unit tests
 - ▶ A build definition that lets you build the application and run the tests
- Download, install and play

New forum for the RTC Client for Visual Studio

Jazz.net Forum Index >

[NEW!!] Using the client for Microsoft Visual Studio

No users are browsing this forum.

[New Topic](#) [Previous](#) | Page 1 of 2 | [Next](#) [Mark all read](#) View: [All Topics](#)

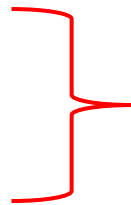
Topics	Replies	Views	Author	Last Post
A forum for .NET developers using RTC	0	88	sreerupa	Thu Apr 28, 2011 1:42 pm by sreerupa
Web Applications not supported?	1	32	terryt063	Sat May 14, 2011 2:08 pm by sreerupa
Visual Studio 2003	1	139	ulcannon	Wed May 04, 2011 5:10 am by prabodh_m
Trouble with source control in VS2010	8	1007	dvdmunni	Thu Apr 28, 2011 1:37 pm by sreerupa
Discard change set, hey where'd my local project go??	3	1216	curtisk	Thu Apr 21, 2011 8:02 am by curtisk
Recursively ignored files appear as unresolveds	3	663	yannjazz	Fri Apr 08, 2011 11:26 am by sreerupa
Builds with RTC 3.0	8	794	adichristantohasan	Fri Apr 08, 2011 1:42 am by adichristantohasan
error when sharing source code in Visual studio 2005	7	530	adichristantohasan	Tue Apr 05, 2011 1:02 pm by priyasgs
Certificate Problem - Acceptance is not being stored	2	389	markroberts	Thu Mar 31, 2011 9:47 am by schacher
Rich History View	4	1332	theju	Mon Mar 28, 2011 9:31 am by theju
Reverse only on entire change set?	4	1347	curtisk	Mon Mar 28, 2011 4:12 am by sreerupa
How can I disable the RTC web client	8	879	vccamball	Mon Mar 28, 2011 4:06 am by sreerupa

Find: [Next](#) [Previous](#) [Highlight all](#) Match case

Done

Jazz.net Library

- FAQs page @ [Frequently Asked Questions about Rational Team Concert client for Visual Studio IDE](#)
- Features page @ [The Rational Team Concert Client for Microsoft Visual Studio IDE](#)
- Videos
- Articles, blogs



[Learn More](#)

Agenda

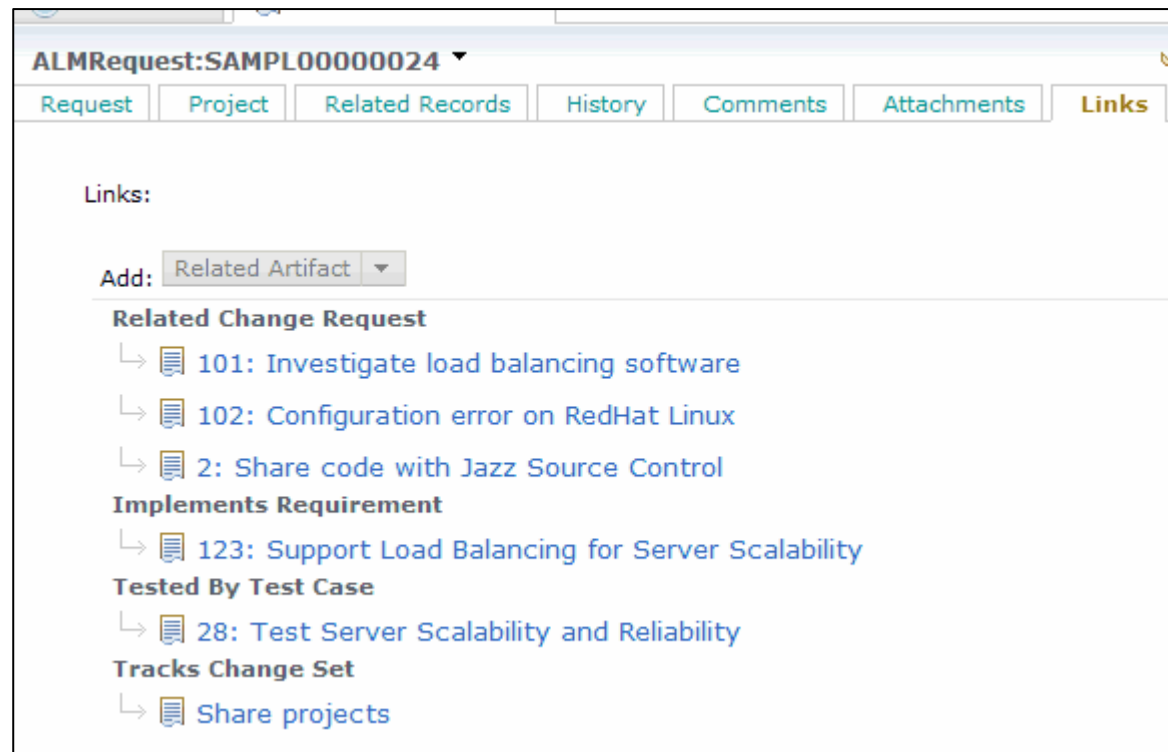
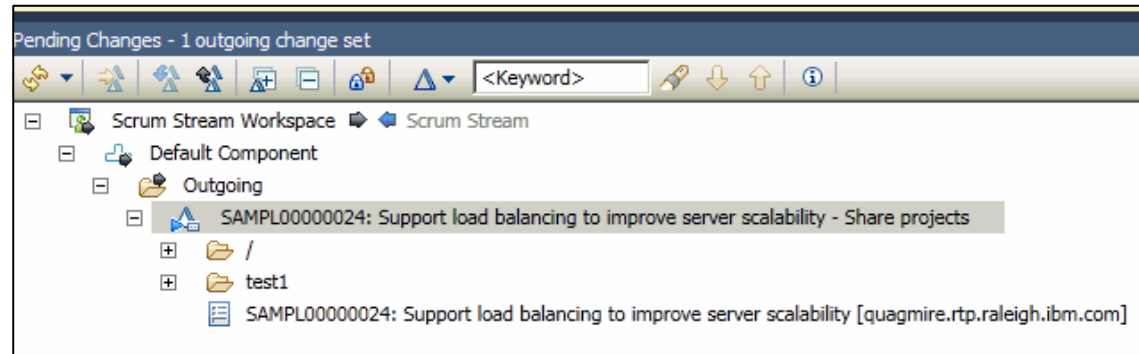
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Using ClearCase™ with RTC Visual Studio

- The ClearCase synchronizer provides a smooth integration with Visual Studio projects
 - ▶ Converts from one source control provider to another, adding appropriate bindings
 - ▶ You can continue to work with the Source Control provider of your choice

Using ClearQuest TM with RTC Visual Studio

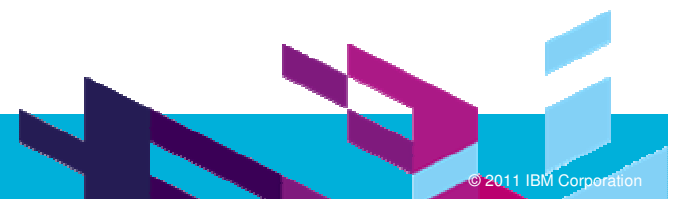
- You can link with CQ records from RTC Visual Studio
 - ▶ Associate with your change sets
 - ▶ Link to your work items
 - ▶ Links created are bi-directional



QUESTIONS



www.ibm.com/software/rational



Your Favorite Missing Feature

- ???

How do I give feedback/ask questions?

- jazz.net forums
- Work Items



www.ibm.com/software/rational

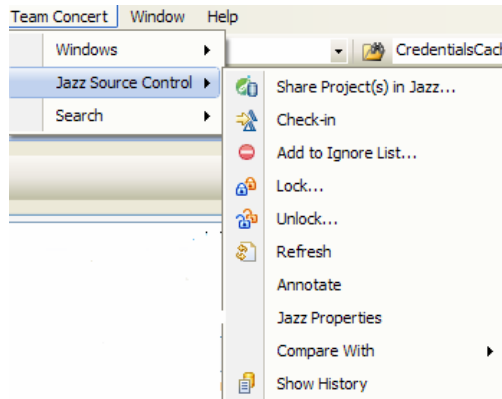
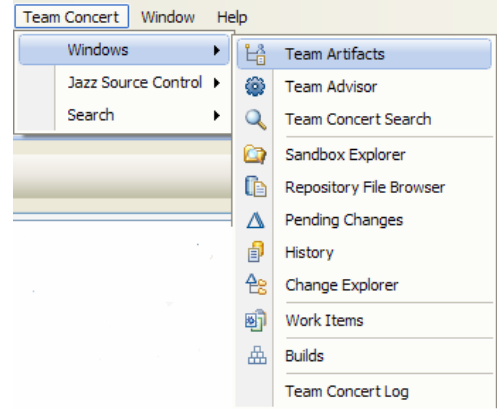
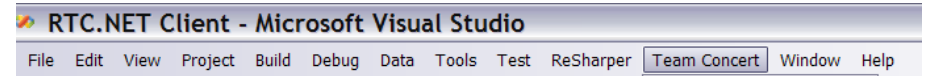
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Additional Information

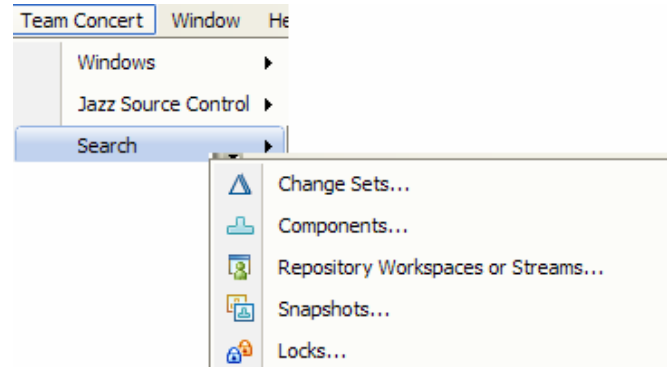
RTC Visual Studio™ at a glance

Visual Studio IDE extended with Jazz/RTC capabilities for

- ▶ Artifacts management
 - ▶ Repository connections, project areas, team Areas, streams, workspaces, components
- ▶ Work items management
- ▶ Build management



▶ Source control management



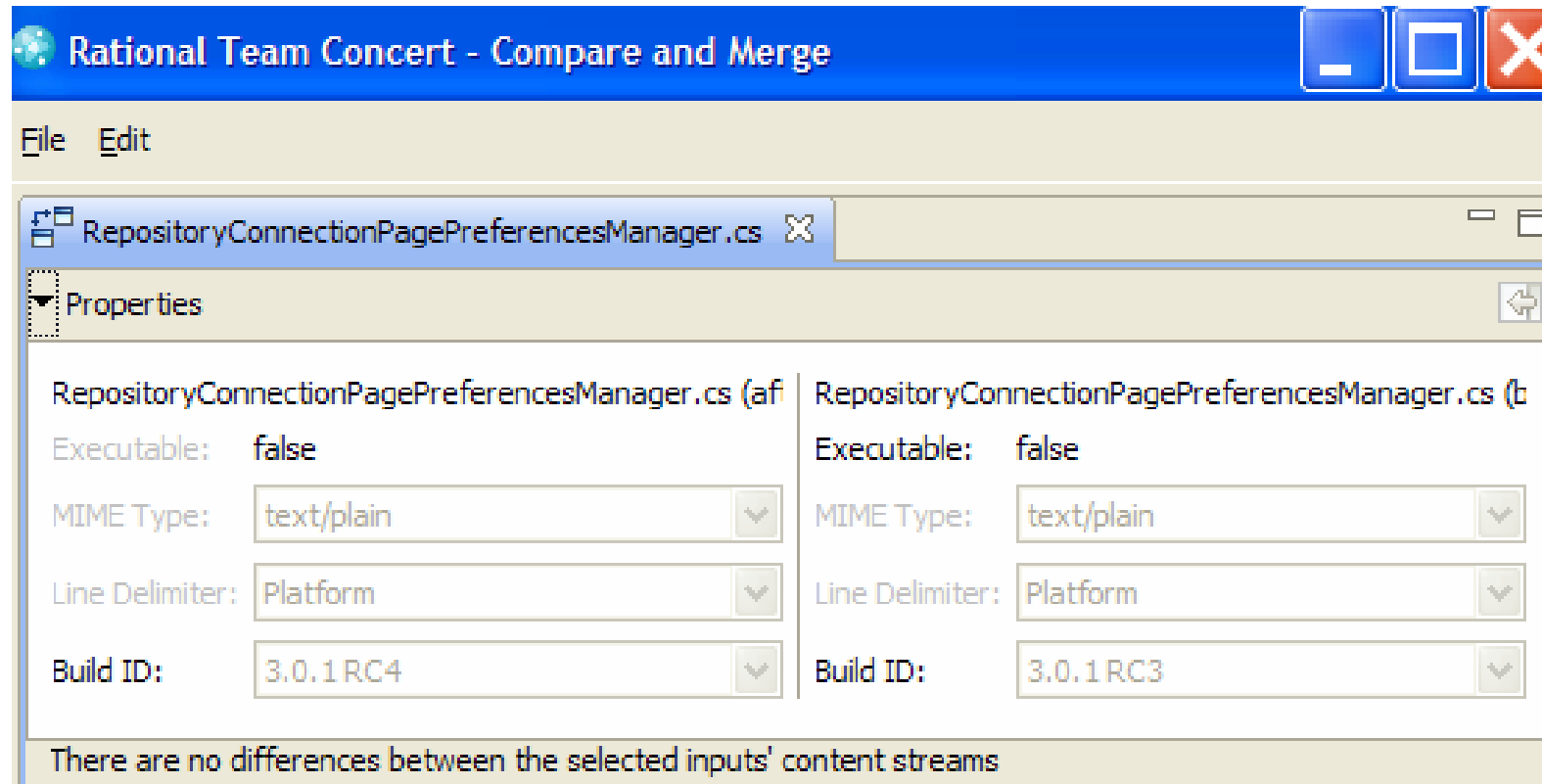
- ▶ Repository search
 - ▶ Change sets, components, streams and workspaces, snapshots

Error Reporting

- Easier error reporting at the click of a button
 - ▶ Set the debug level on the fly
 - ▶ Zips up the error logs at a location of the user's choice.
 - ▶ The user can attach the zip to a work item
- Monitor your jazz server calls in the Team Concer Log view

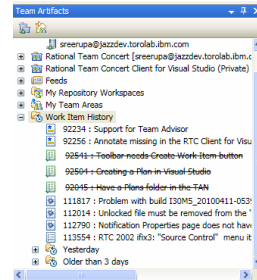
Date	Time	Component	Time Taken	Bytes Received	Request Number	Round Trips to Server	Message
05/18/2011	00:21:26	ServiceInte	8.9	33047	1221		Request 1221: Duration 8.97 sec
05/18/2011	00:21:17	ServiceInte					Executing Request 1221, 18/05/2011 00:21:17: https://jazzdev.t
05/18/2011	00:20:35	ServiceInte	5.3	17941	1220		Request 1220: Duration 5.34 sec
05/18/2011	00:20:30	ServiceInte					Executing Request 1220, 18/05/2011 00:20:30: https://jazzdev.t
05/18/2011	00:18:39	ServiceInte	3.6	1581	1219		Request 1219: Duration 3.64 sec
05/18/2011	00:18:37	ServiceInte	2.3	1623	1218		Request 1218: Duration 2.33 sec
05/18/2011	00:18:35	ServiceInte					Executing Request 1219, 18/05/2011 00:18:35: https://jazzdev.t
05/18/2011	00:18:35	ServiceInte					Executing Request 1218, 18/05/2011 00:18:35: https://jazzdev.t
05/18/2011	00:11:17	ServiceInte	8.2	66800	1217		Request 1217: Duration 8.23 sec
05/18/2011	00:11:09	ServiceInte					Executing Request 1217, 18/05/2011 00:11:09: https://jazzdev.t
05/18/2011	00:10:30	ServiceInte	4.5	23879	1216		Request 1216: Duration 4.52 sec
05/18/2011	00:10:26	ServiceInte					Executing Request 1216, 18/05/2011 00:10:26: https://jazzdev.t
05/18/2011	00:08:35	ServiceInte	1.9	1581	1215		Request 1215: Duration 1.92 sec
05/18/2011	00:08:35	ServiceInte	2.3	1623	1214		Request 1214: Duration 2.38 sec
05/18/2011	00:08:33	ServiceInte					Executing Request 1215, 18/05/2011 00:08:33: https://jazzdev.t
05/18/2011	00:08:32	ServiceInte					Executing Request 1214, 18/05/2011 00:08:32: https://jazzdev.t
05/18/2011	00:01:24	Core				5	Task Retrieving work item details... required requests 1204,1206
05/18/2011	00:01:24	ServiceInte	6.6	54561	1213		Request 1213: Duration 6.64 sec
05/18/2011	00:01:17	ServiceInte					Executing Request 1213, 18/05/2011 00:01:17: https://jazzdev.t
05/18/2011	00:01:17	ServiceInte	1.7	2618	1212		Request 1212: Duration 1.78 sec
05/18/2011	00:01:15	ServiceInte					Executing Request 1212, 18/05/2011 00:01:15: https://jazzdev.t
05/18/2011	00:01:15	ServiceInte	0.5	1424	1211		Request 1211: Duration 0.52 sec
05/18/2011	00:01:15	ServiceInte					Executing Request 1211, 18/05/2011 00:01:15: https://jazzdev.t
05/18/2011	00:01:15	ServiceInte	0.6	1428	1210		Request 1210: Duration 0.69 sec
05/18/2011	00:01:14	ServiceInte					Executing Request 1210, 18/05/2011 00:01:14: https://jazzdev.t
05/18/2011	00:01:14	ServiceInte	3.8	36250	1209		Request 1209: Duration 3.89 sec
05/18/2011	00:01:10	ServiceInte					Executing Request 1209, 18/05/2011 00:01:10: https://jazzdev.t
05/18/2011	00:01:10	ServiceInte	5.3	54561	1207		Request 1207: Duration 5.31 sec
05/18/2011	00:01:08	ServiceInte	2.1	36434	1208		Request 1208: Duration 2.16 sec
05/18/2011	00:01:06	ServiceInte					Executing Request 1208, 18/05/2011 00:01:06: https://jazzdev.t
05/18/2011	00:01:05	ServiceInte					Executing Request 1207, 18/05/2011 00:01:05: https://jazzdev.t
05/18/2011	00:01:05	ServiceInte	4.4	46842	1206		Request 1206: Duration 4.48 sec
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05/18/2011	00:01:00	ServiceInte	17.5	79955	1204		Request 1204: Duration 17.50 sec
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05/18/2011	00:00:47	ServiceInte	3.2	54561	1205		Request 1205: Duration 3.27 sec

Comparing File Properties



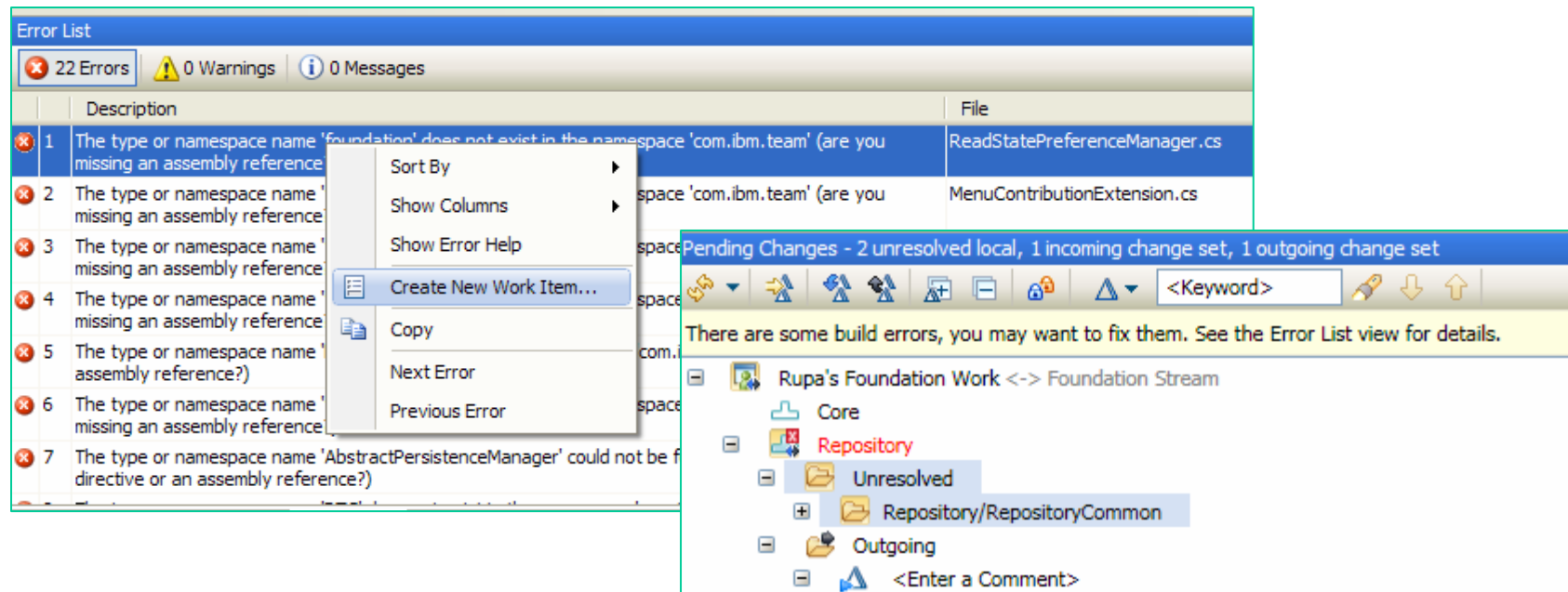
Work Item History

- Work items are listed in the Team Artifacts Navigator in the order you accessed them
 - You no longer need to remember work items of interest to you, the RTC Client for Visual Studio will remember them instead.



Integration with the Error View

- You can now create work items on build errors
- The Pending Changes view is also sync'ed with the Error View
 - If the user tries to deliver sources that have compile errors, the Pending Changes view shows up dilemmas



Team Areas

- The Visual Studio Client has now made your teams more visible by the Team Areas node in the Team Artifacts Navigator
- You can browse your teams and look up your team members, subscribe to team events, search for streams and repository workspaces and so on.

