IBM Software Group

IBM Rational Team Concert

What's new in Release 2.0

Rational. software

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Innovation for a smarter planet

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What's coming up in RTC 2.0?

- ***Deliver Global Enterprise Readiness***
- ***Enhanced agile planning via web***
- ***Support Collaborative ALM***
- ***Support growth of a vibrant Ecosystem***
- ***Bridges to your existing environments***
- ***Other Enhancements***

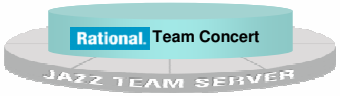
Driving Business Differentiation

What's coming up in RTC 2.0?

- ***Deliver Global Enterprise Readiness***
  - Enhanced Scalability and Extensibility
  - Enhanced Security
  - High Availability
- ***Enhanced agile planning via web***
- ***Support Collaborative ALM***
- ***Support growth of a vibrant Ecosystem***
- ***Bridges to your existing environments***
- ***Other Enhancements***

Driving Business Differentiation

Enterprise Scalability for Team Concert

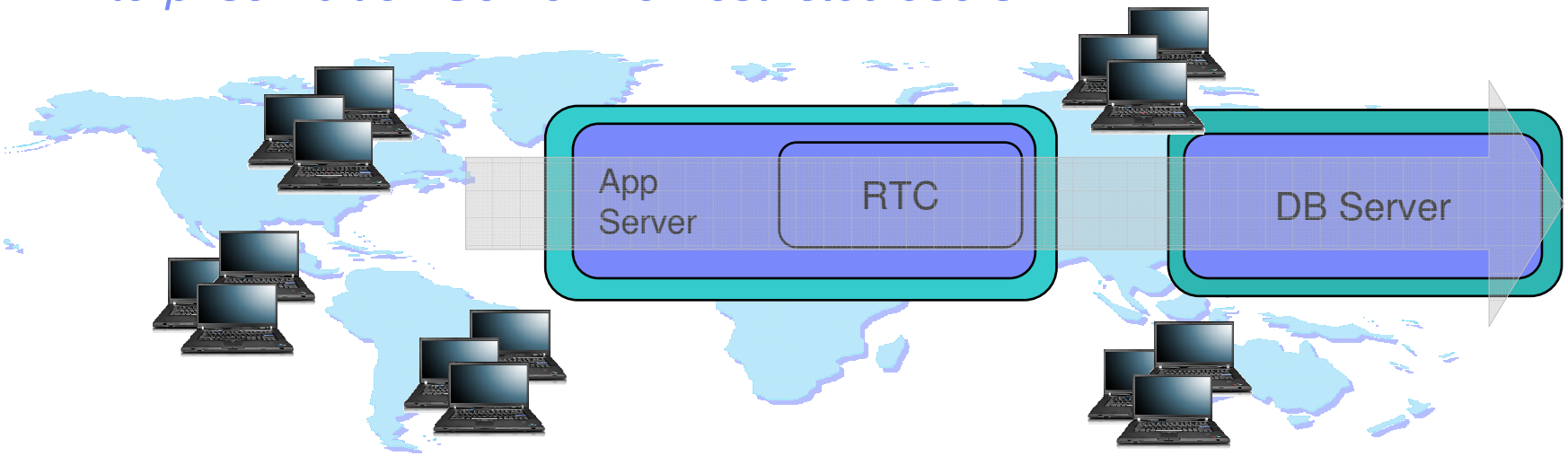


	Express-C	Express	Standard	Enterprise
	Small Teams • Quick Start • Collaborative ALM • Open source servers	**Mid Sized Teams** • Project Dashboards • Collaborative ALM • Commercial Middleware	**Corporate Teams** • Customizable workflow • Advanced Reporting • Departmental Scaling	**Enterprise Teams** • Customizable Workflow • Advanced Reporting • High Availability • Unrestricted scaling based on hardware
Maximum developers/contributors	10 / unrestricted	50 / unrestricted	250 / unrestricted	**Unrestricted / unrestricted**
Database	Derby Only	Derby, DB2, Oracle, SQLServer	Derby, DB2, Oracle, SQLServer	Derby, DB2, Oracle, SQLServer
Application Server	Tomcat Only	Tomcat, WebSphere	Tomcat, WebSphere	Tomcat, WebSphere
• Agile planning: daily, iteration, release • SCM -Stream and component based • Builds – w/ Continuous Integration • Work items w/ custom attributes, presentation, discussion, approvals • Customizable Process Templates • Project Milestone Tracking & Status • Subversion Integration Bridge • Role-based process permissions • Project level permissions • Cross project dashboards • Cross repository dashboards	✓	✓	✓	✓
Customizable Dashboard Mashups	1 per project	1 per project	unlimited project, team, and personal dashboards	unlimited project, team, and personal dashboards
Advanced Reports and Customization			✓	✓
Customizable work item workflow			✓	✓
Plan risk assessment			✓	✓
CC/CQ Connectors and Bridges			✓	✓
Floating Licenses Available			✓	✓
LDAP import / synchronize			✓	✓
HTTP proxy support			✓	✓
High Availability				✓*

* *See Jazz.net for prerequisites*

Scale to New Heights with Rational Team Concert

Enterprise Edition Server – unrestricted users



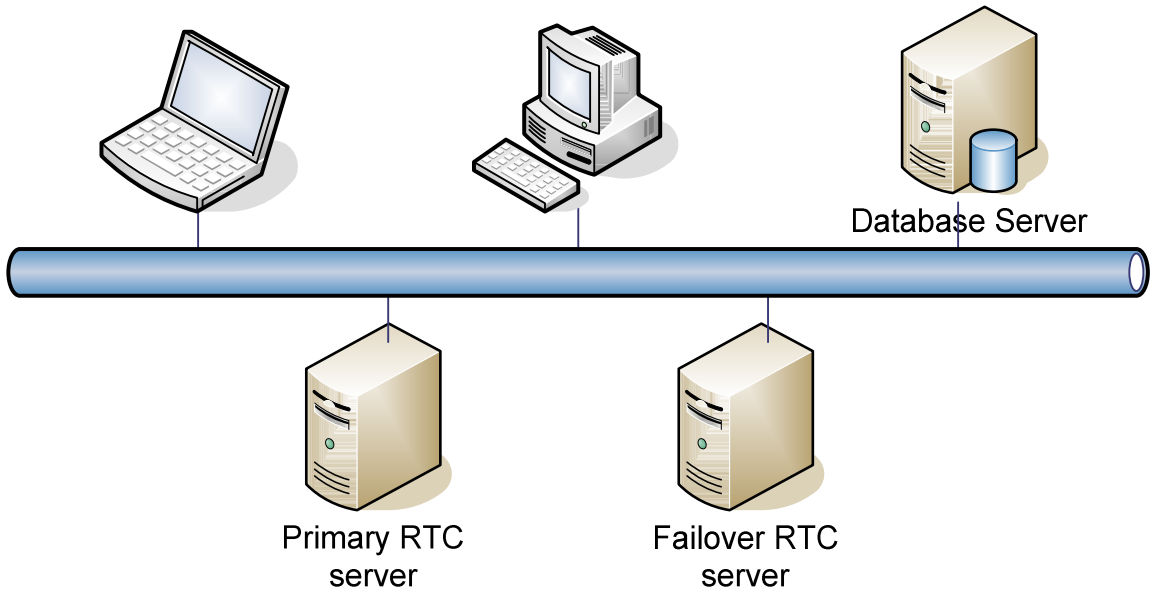
- **Scales to your server hardware**
  - Thousands of users
  - Millions of files and work items
  - Unlimited file size
  - Hundreds of builds
- New 64-bit server support
- New hardware platform support
  - IBM System p

Consolidate & Lower TCO by deploying a centralized, consumable, infrastructure.

More details here

Basic High Availability

Supported in Enterprise Edition

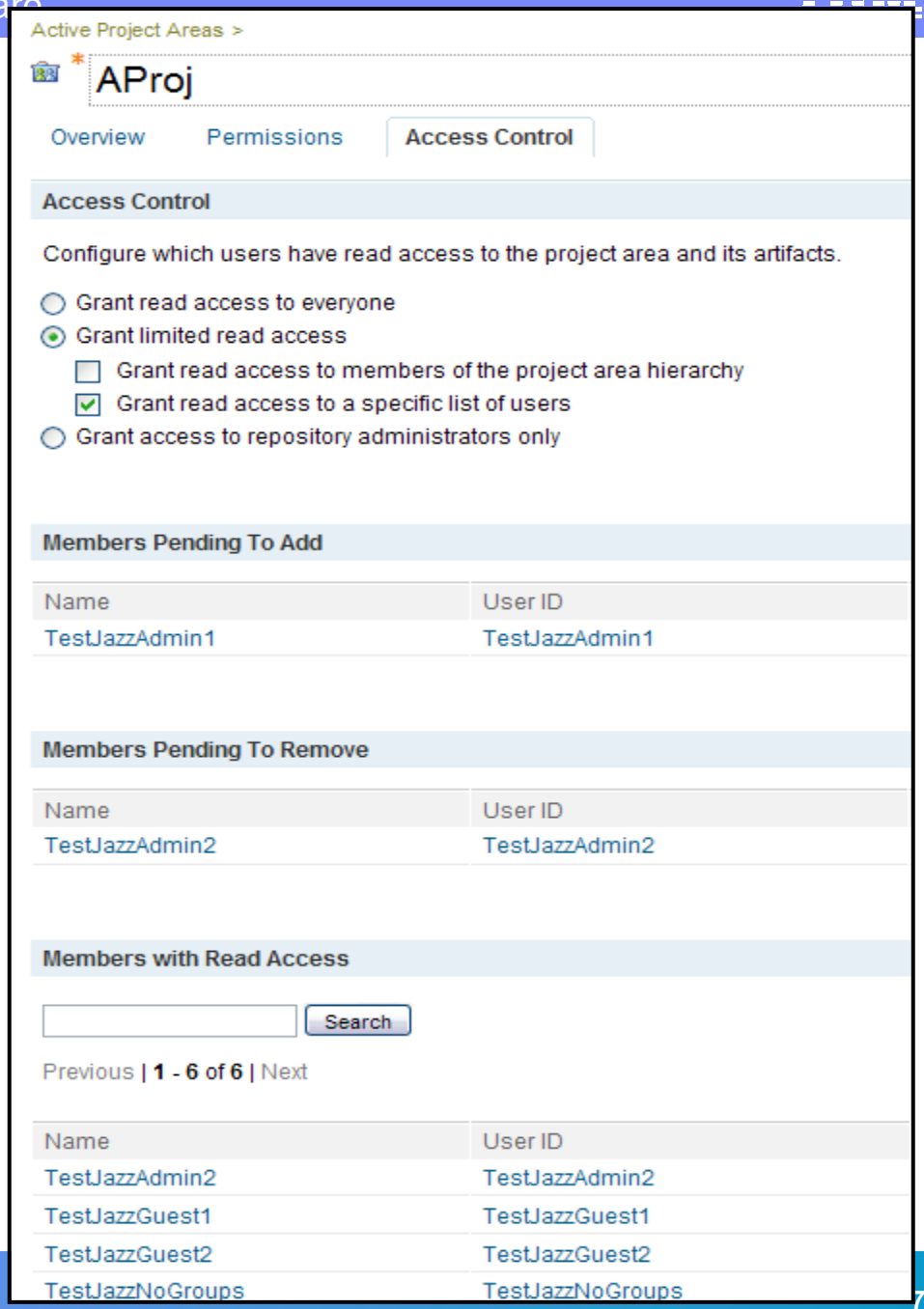


Provides critical availability for enterprise customers with automatic failover on hardware failure, software server crash, or other outage

Entitles installation of a second copy of the server in an idle standby application server failover configuration. Requires WebSphere Application Server and optional high availability database configuration (DB2, Oracle, SQL Server).

Fine Grained Access Control for Project Areas

- The project area editor in the web UI now has an access control page
- You can now configure read access control at the project area level
  - For everyone
  - For all members of the entire project area hierarchy
  - For a specific list of users
- Support for working across private and public project areas
  - Source code kept private, but enable work items to be public for broader collaboration.



What's coming up in RTC 2.0?

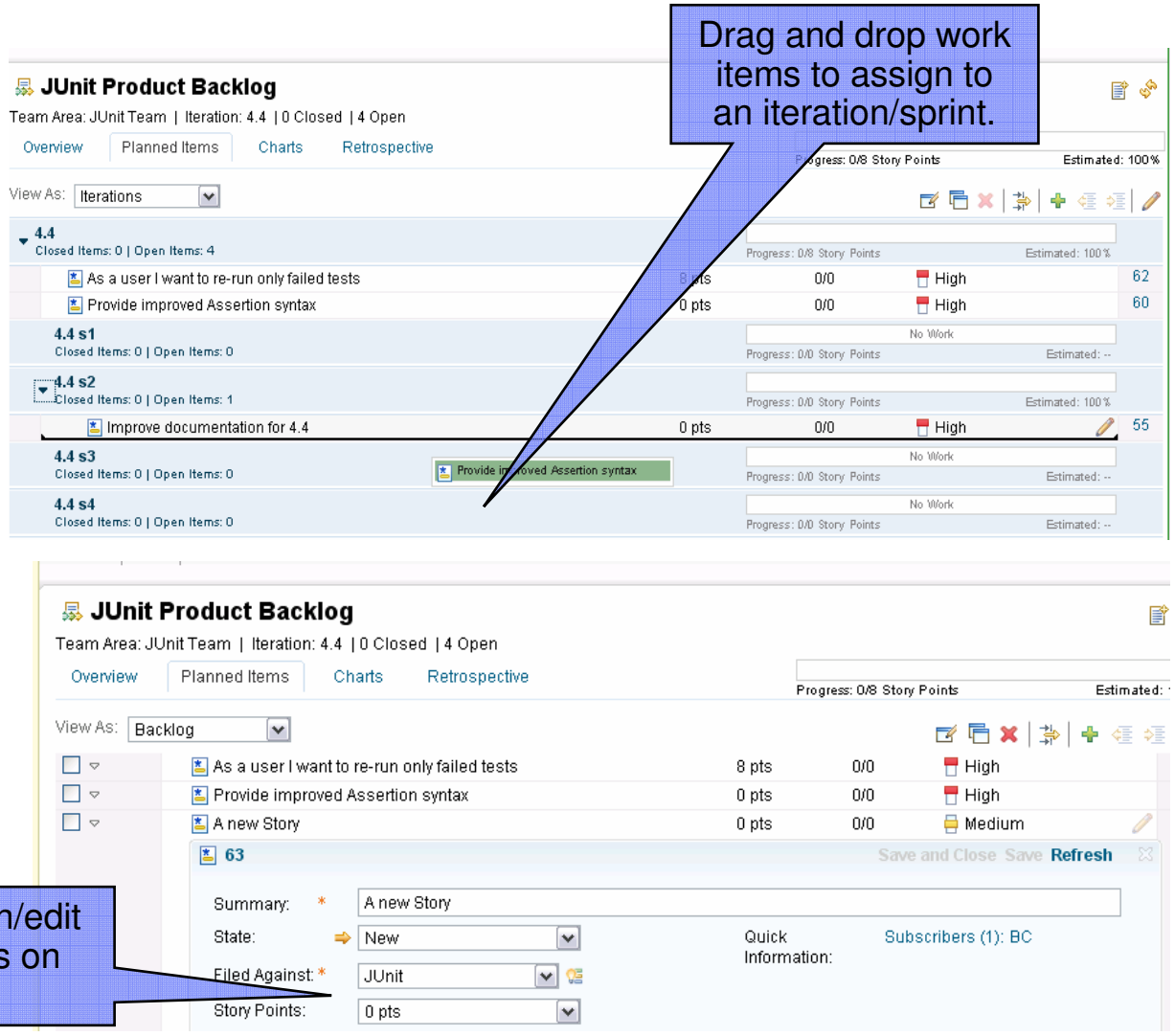
- ***Deliver Global Enterprise Readiness***
- ***Enhanced agile planning via web***
  - Improved SCRUM support
    - Release Planning
    - Taskboards for sprint tracking
    - Backlog plan mode
  - Plan risk assessment
- ***Support Collaborative ALM***
- ***Support growth of a vibrant Ecosystem***
- ***Bridges to your existing environments***
- ***Other Enhancements***

Driving Business Differentiation

Coverage of all agile levels of the "Planning Onion"

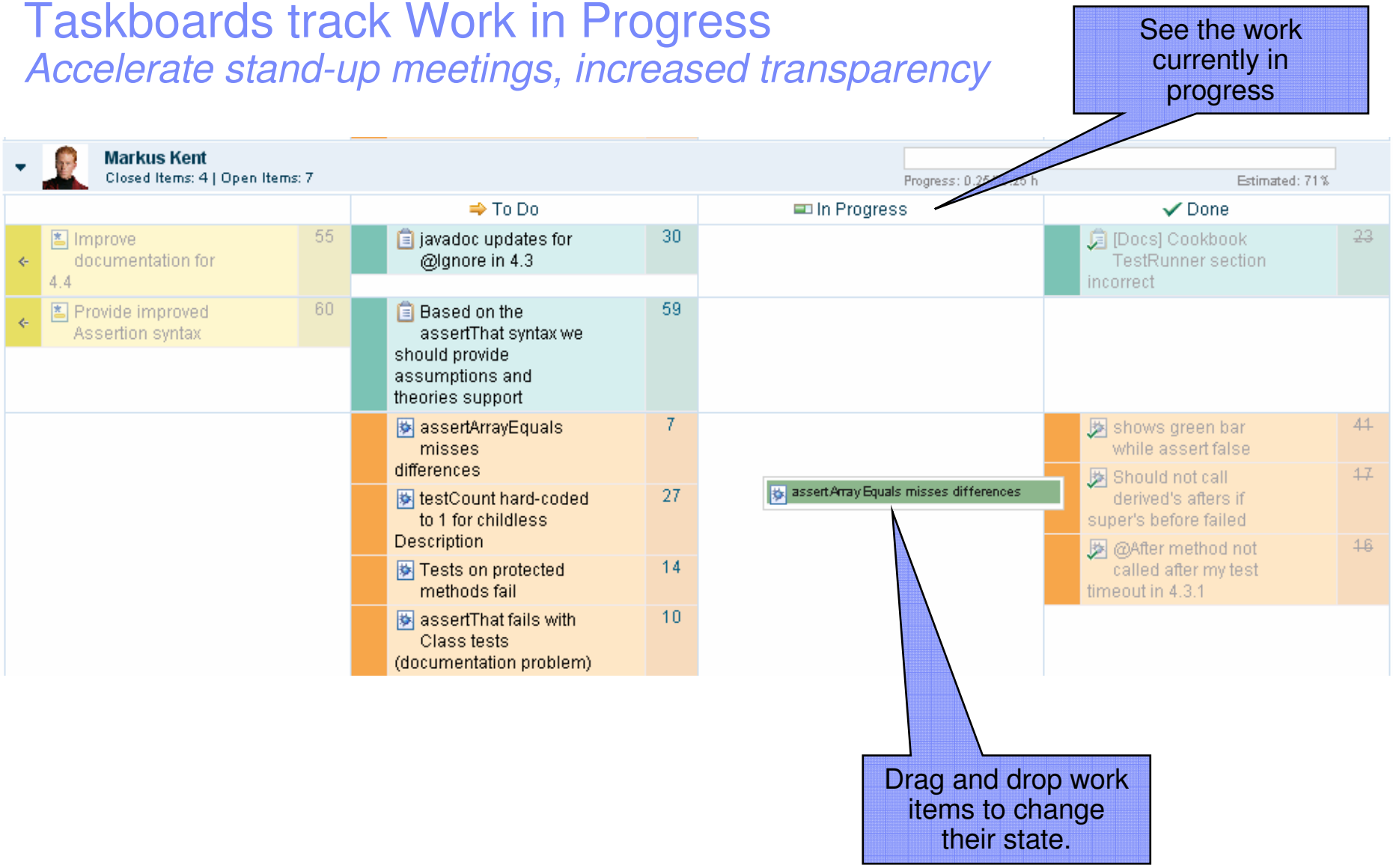
- The Planning Onion
  (Mike Cohn Agile Estimating and Planning)
  - Daily (my work view)
  - Iteration
  - Release (new in 2.0)

- Release 2.0 adds release planning and now covers all level of the Onion
  - View by iteration to see roadmap of the planned work
  - Web UI enables product owner to work on backlog without an eclipse install



Taskboards track Work in Progress

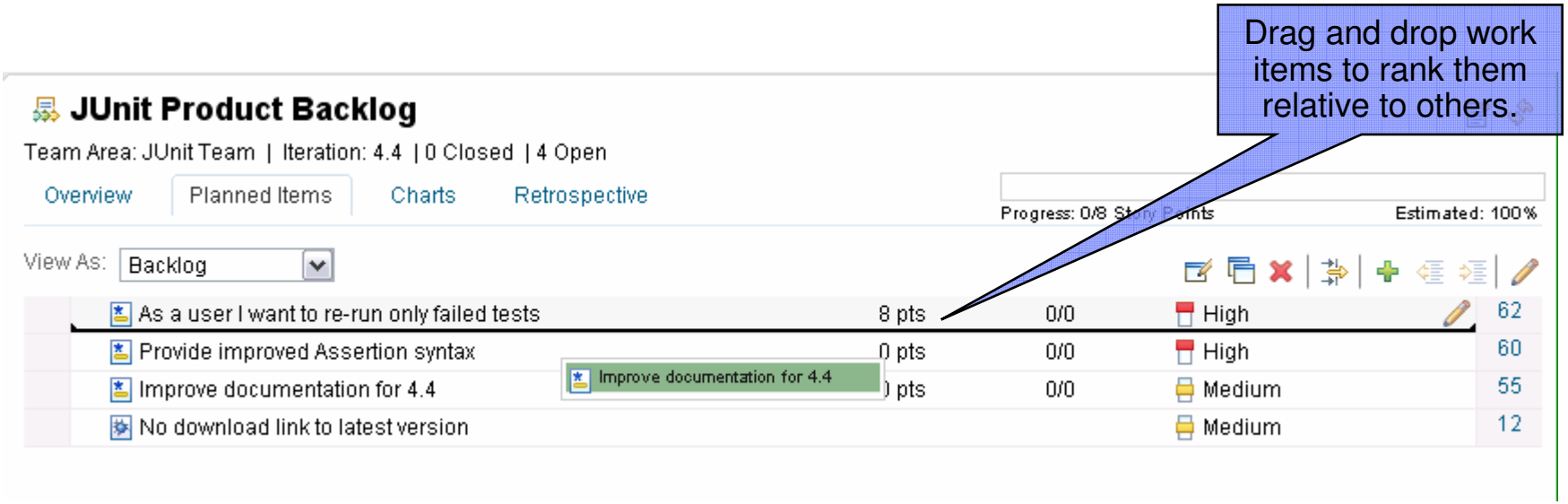
Accelerate stand-up meetings, increased transparency



Backlog Plan Mode

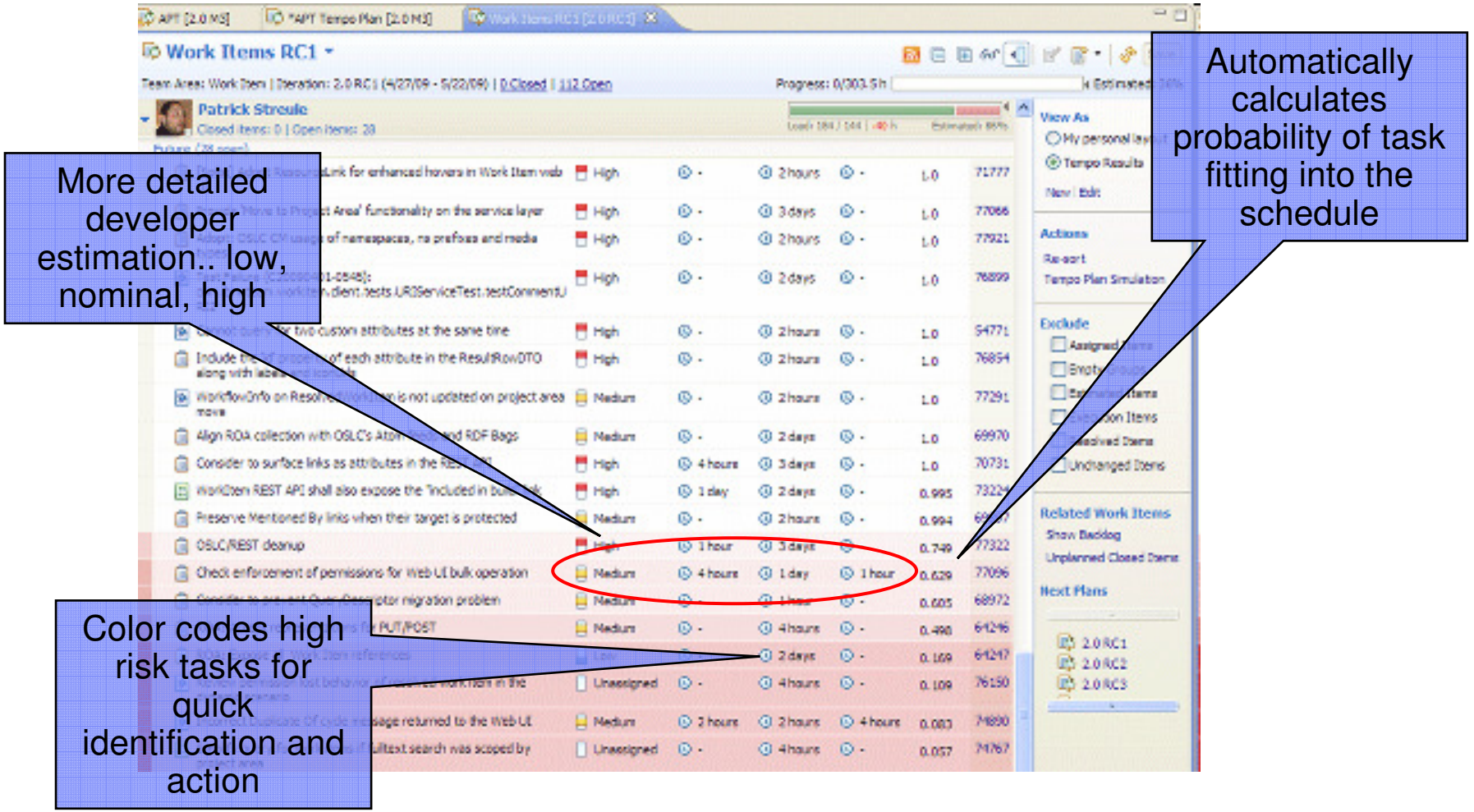
Easily rank work items to define priority

- Ideal for managing SCRUM backlog
- Support coarse & fine grained prioritization
- Ranking is reflected in all planning views, e.g. iteration plans and release plans



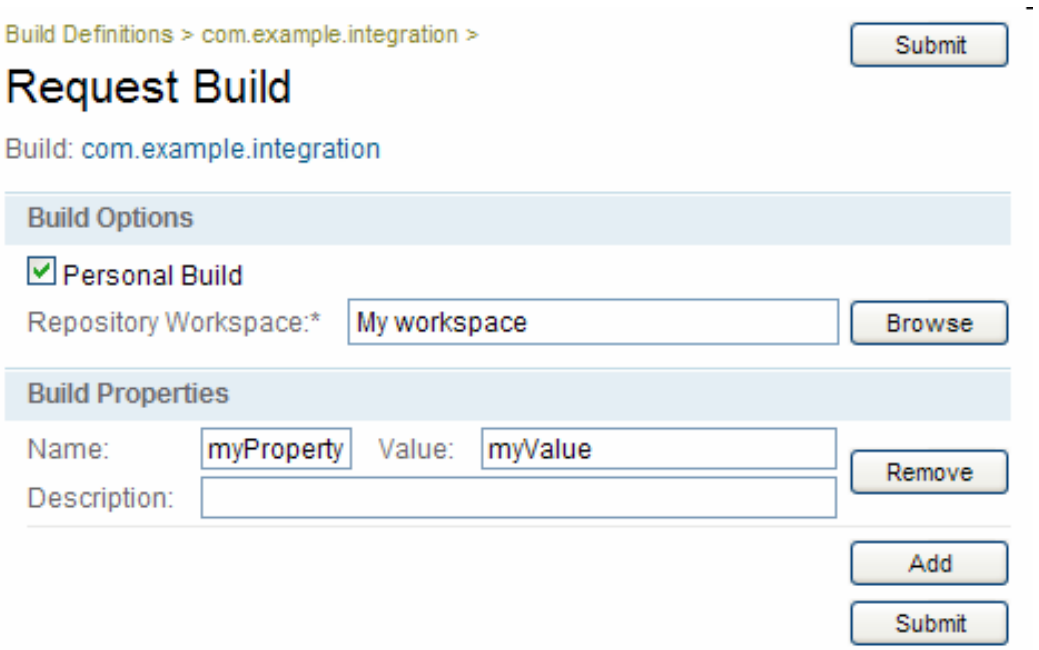
Plan Risk Assessment

Helps teams identify tasks with high risk items early



Web based Build Management

- From Team Concert Web UI:
  - Request new build
  - Request rebuild of existing build
- Exposes build facilities to wider community
- Provides access to build function from any desktop

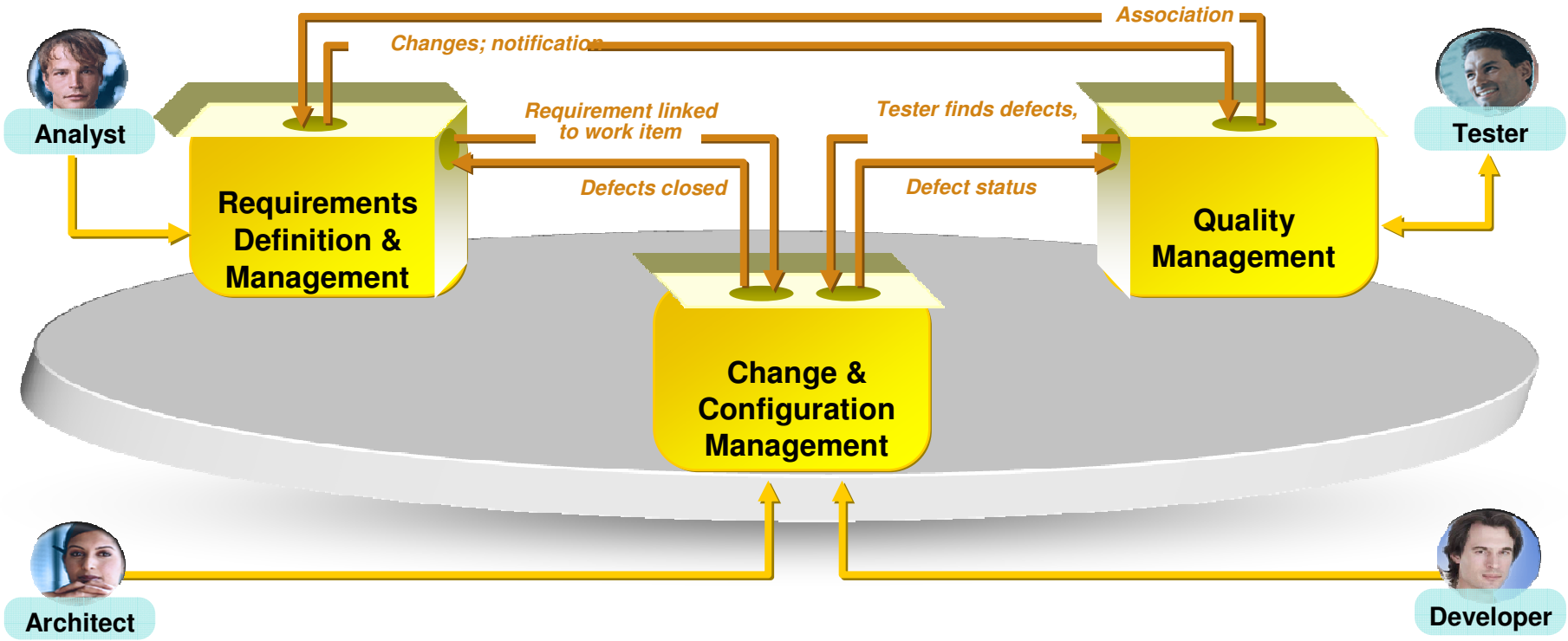


What's coming up in RTC 2.0?

- ***Deliver Global Enterprise Readiness***
- ***Enhanced agile planning via web***
- ***Support Collaborative ALM***
  - Tighter RQM and RRC integrations
  - Cross repository and cross project dashboards
- ***Support growth of a vibrant Ecosystem***
- ***Bridges to your existing environments***
- ***Other Enhancements***

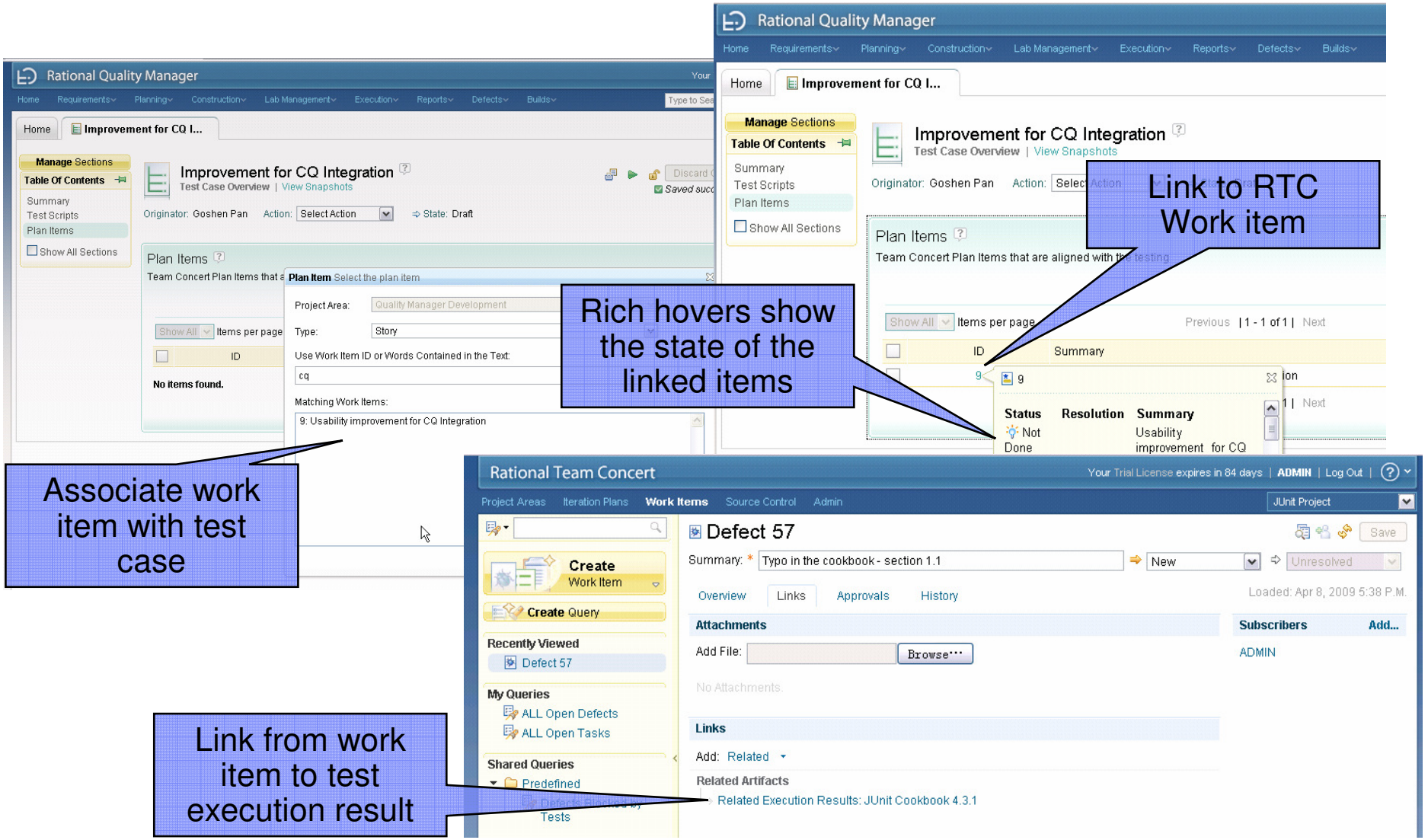
Driving Business Differentiation

Collaborative ALM connects Analysts, Developers and Testers



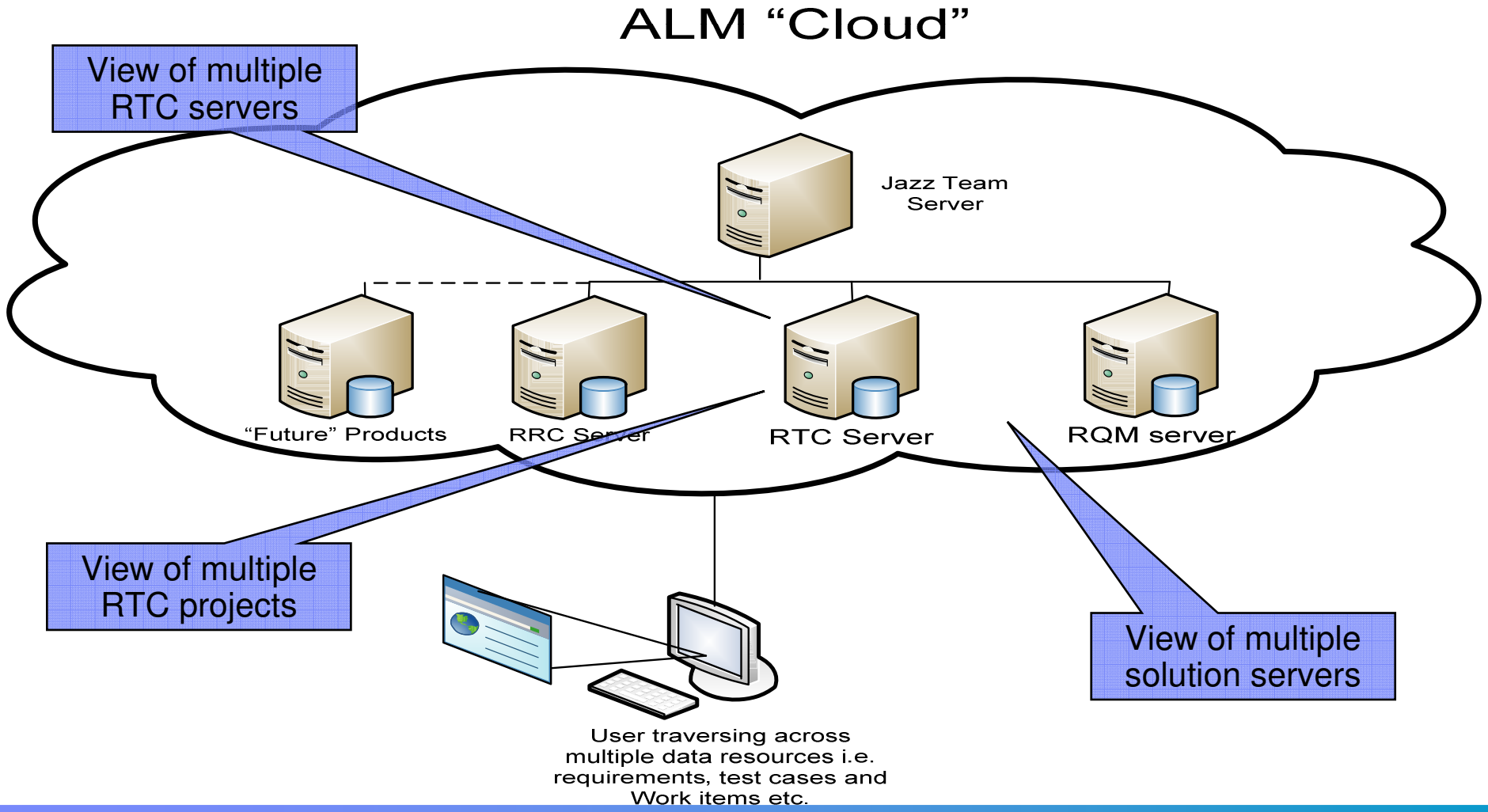
- **Coordinate analysts, developers and testers**
  - Collaborate in context and track status
- **Align teams on project plans**
  - Which requirements are in the development plan?
- **Track builds and the impact of defects**
  - What build is ready for test?
  - What defects are blocking test from proceeding?
- **Track status with C/ALM dashboard mashups**
  - Transparency across teams and artifacts

Establish Traceability Links



Surfing the ALM Web

Dashboards across servers & projects



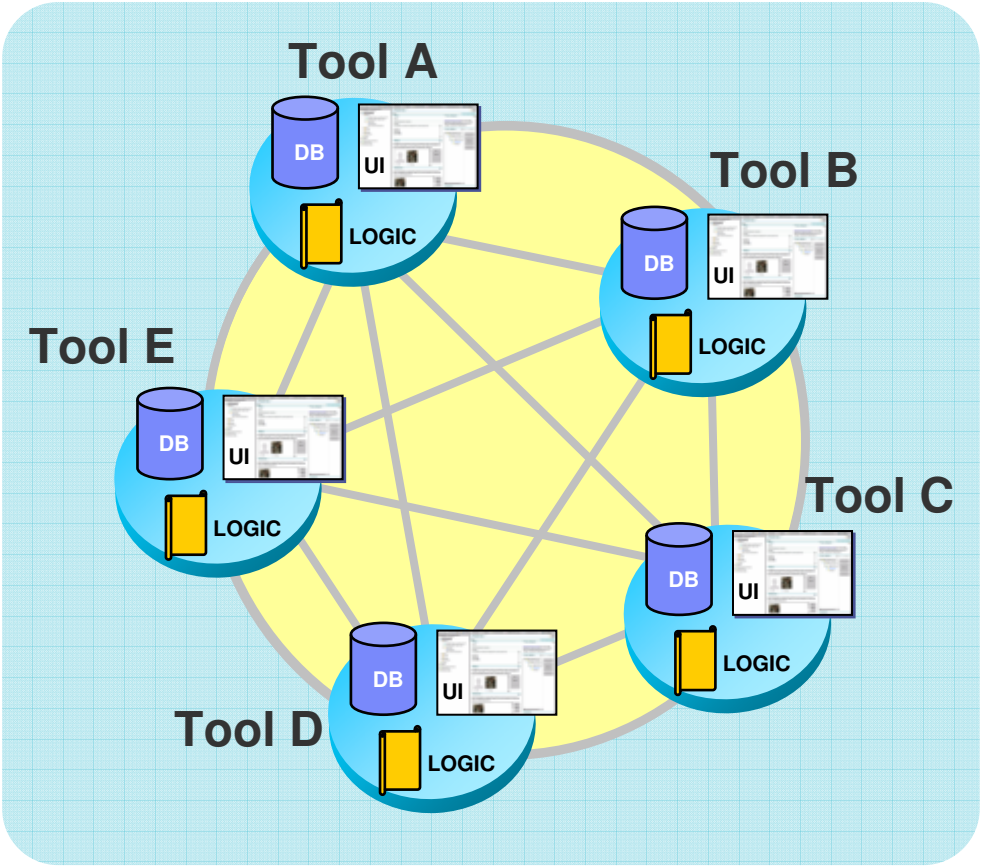
What's coming up in RTC 2.0?

- ***Deliver Global Enterprise Readiness***
- ***Enhanced agile planning via web***
- ***Support Collaborative ALM***
- ***Support growth of a vibrant Ecosystem***
  - Documented API's for SDK
- ***Bridges to your existing environments***
- ***Other Enhancements***

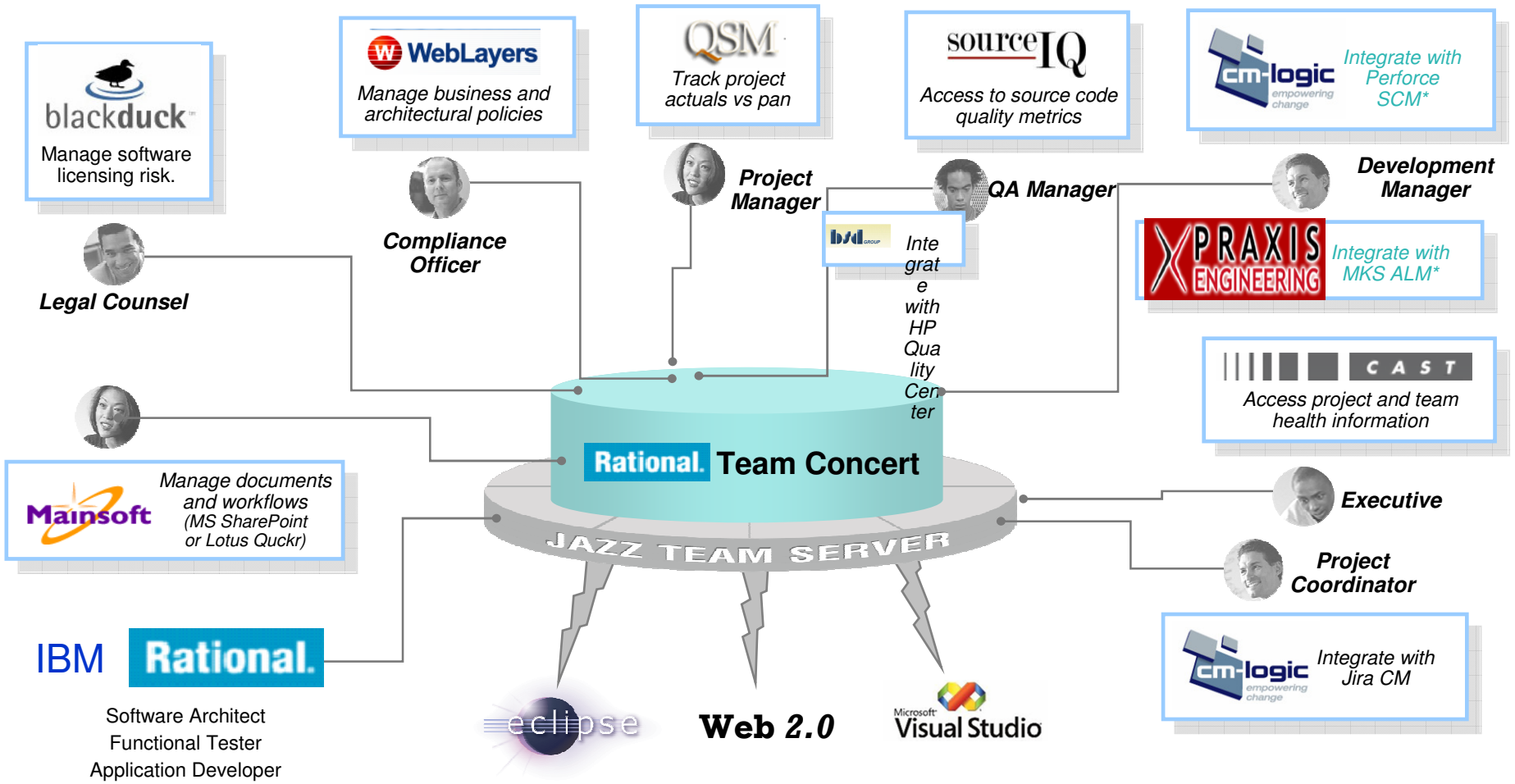
Driving Business Differentiation

Release 2.0 API's available for extensibility

- Release 2.0 SDK supports
  - Creating and managing work items
  - Creating and managing source control artifacts
  - Creating importers from other source control systems
  - Integrations with other Jazz Foundation solutions
  - And more…
- More details to follow with on-line wiki's, documentation etc…



A Growing Ecosystem of Rational Team Concert Partners



*Under development

What's coming up in RTC 2.0?

- ***Deliver Global Enterprise Readiness***
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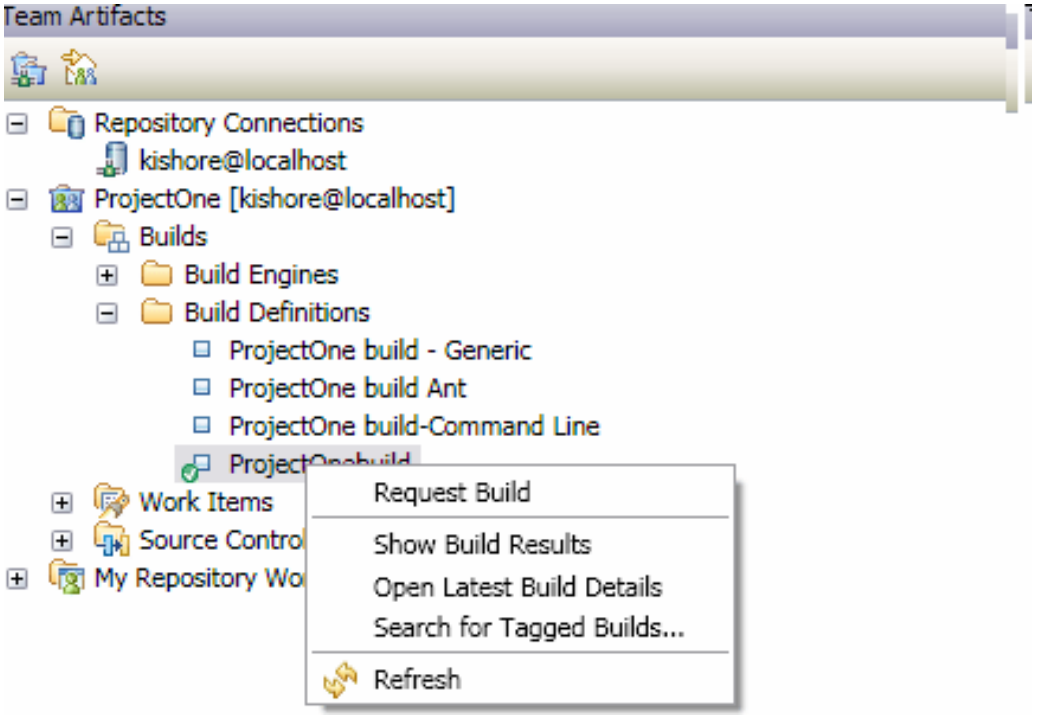
- ***Support Collaborative ALM***
- ***Support growth of a vibrant Ecosystem***
- ***Bridges to your existing environments***
  - Enhanced client for Visual Studio IDE
  - ClearCase/Work Item Bridge
  - ClearQuest linkage to work items
  - Importers for data migration
- ***Other Enhancements***

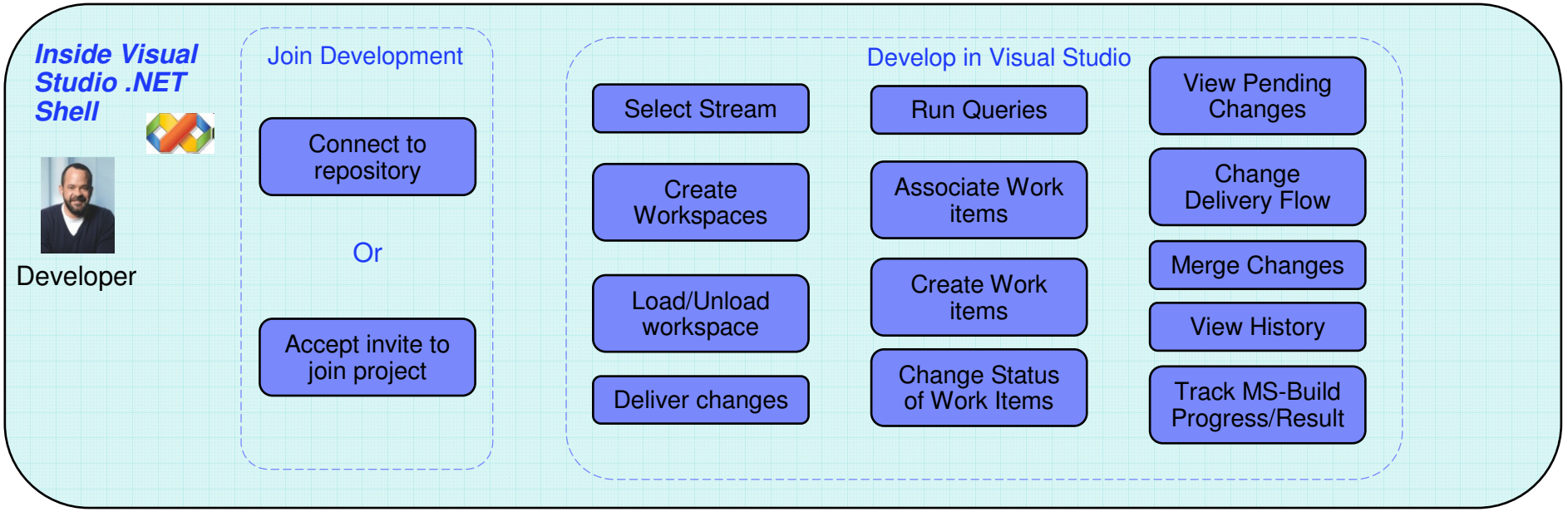
Driving Business Differentiation

Enhanced Visual Studio IDE : Jazz Build Support

- Expose Jazz build to Visual Studio developers
  - MS-Build support
  - Build Request
  - Build History view
  - Build queue view
  - Build activity view
- Expose more Team Concert collaboration value to Visual Studio developers

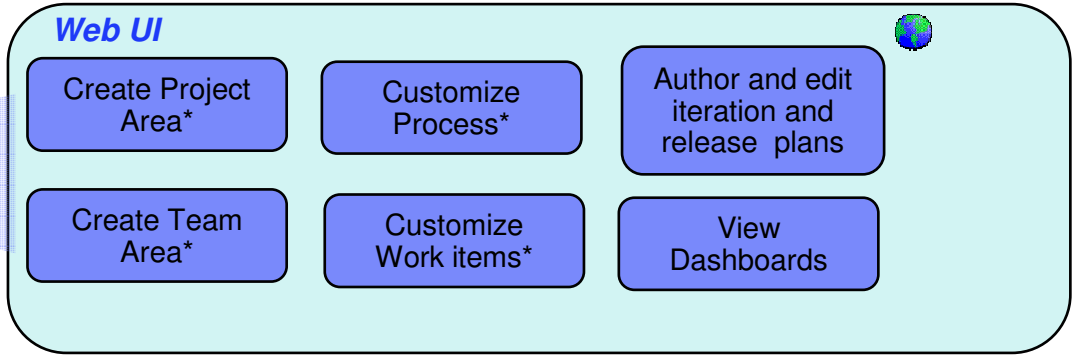


Access to developer focused SCM, work item and build



Web UI for project leads and developer access

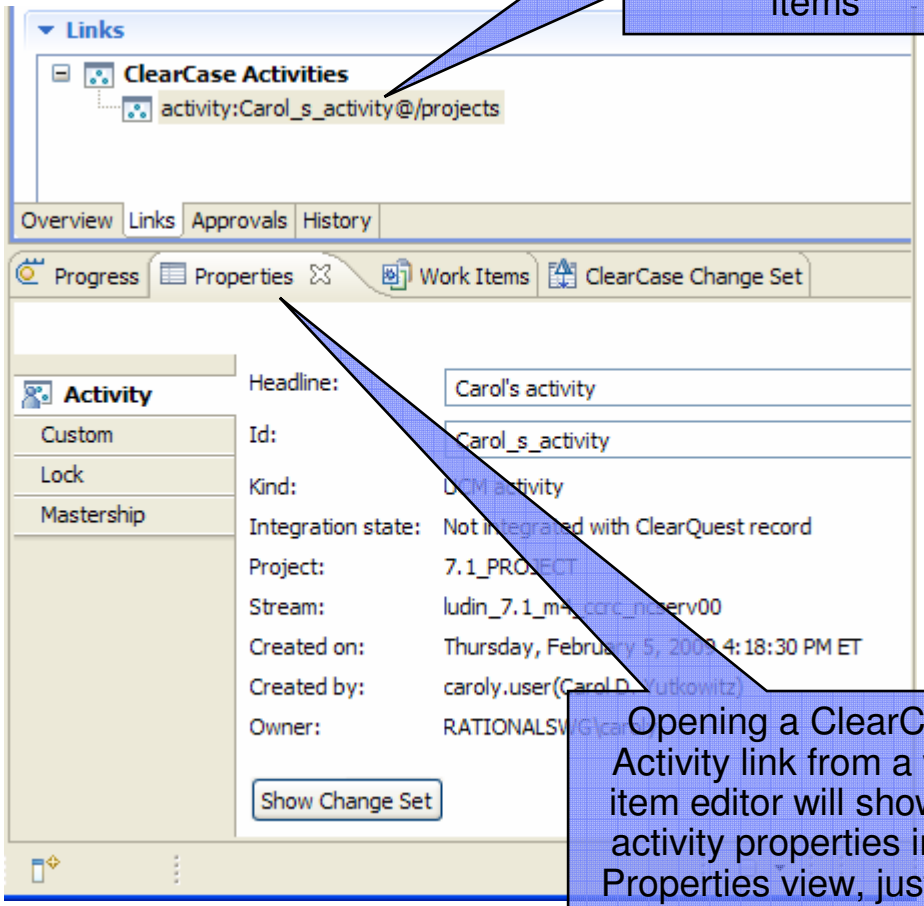
Project Lead or Developer



* Permission provided

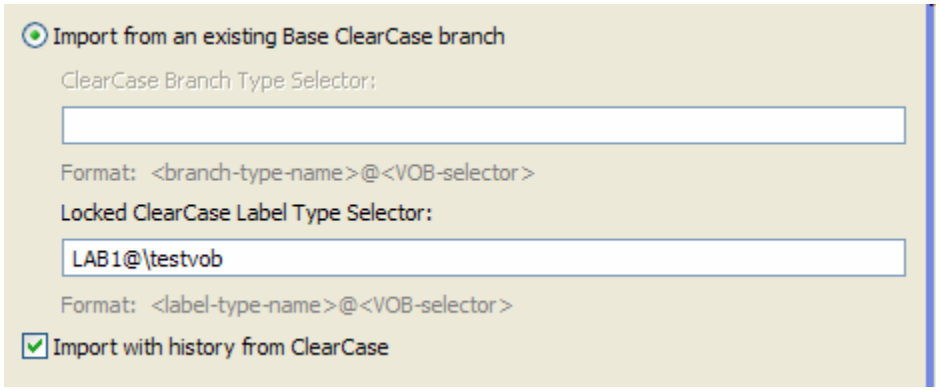
ClearCase Bridge

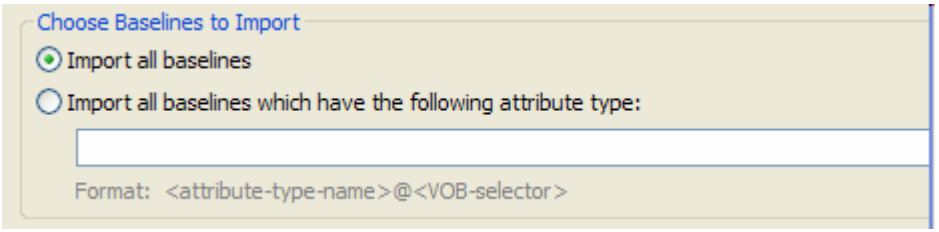
- Now you can link work items with ClearCase UCM change sets
- If you use the ClearCase Remote Client and UCM you can associate a UCM change set with a Team Concert work item.
- Then you can use agile planning, taskboards and dashboards to show project status of work done in ClearCase! (Requires upcoming patch 2009B to CCRC and RTC 2.0 M2 or later)



ClearCase Importer Wizard

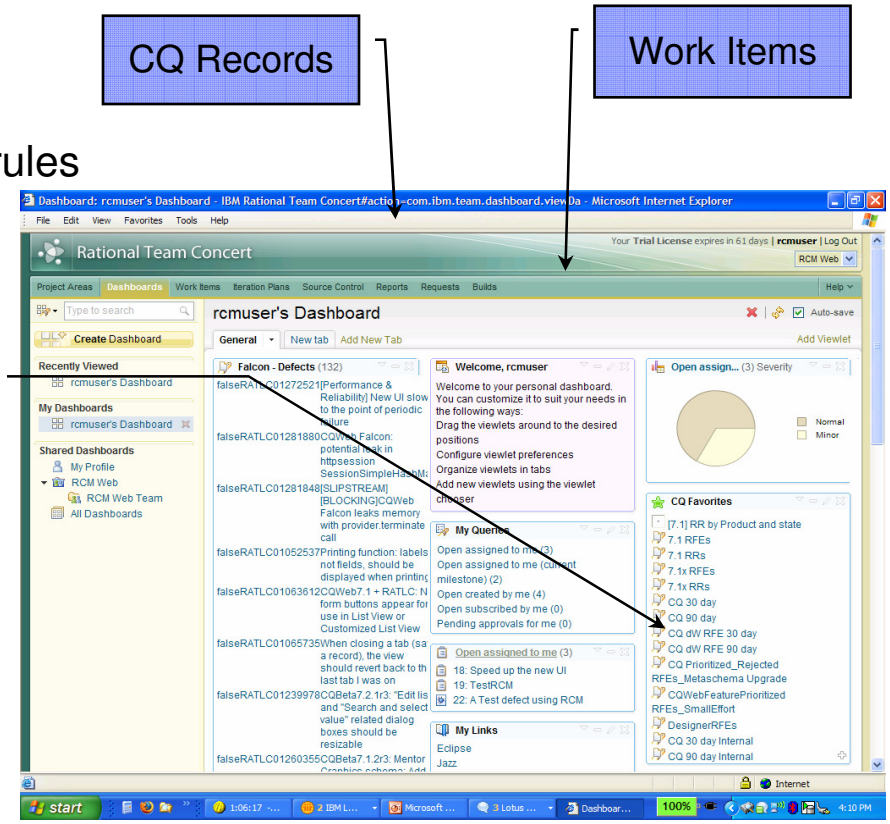
- Imports from ClearCase base or UCM with history
- Choose all baselines or particular baselines or labels
- ClearCase 7.0, 7.0.1 and 7.1.x supported





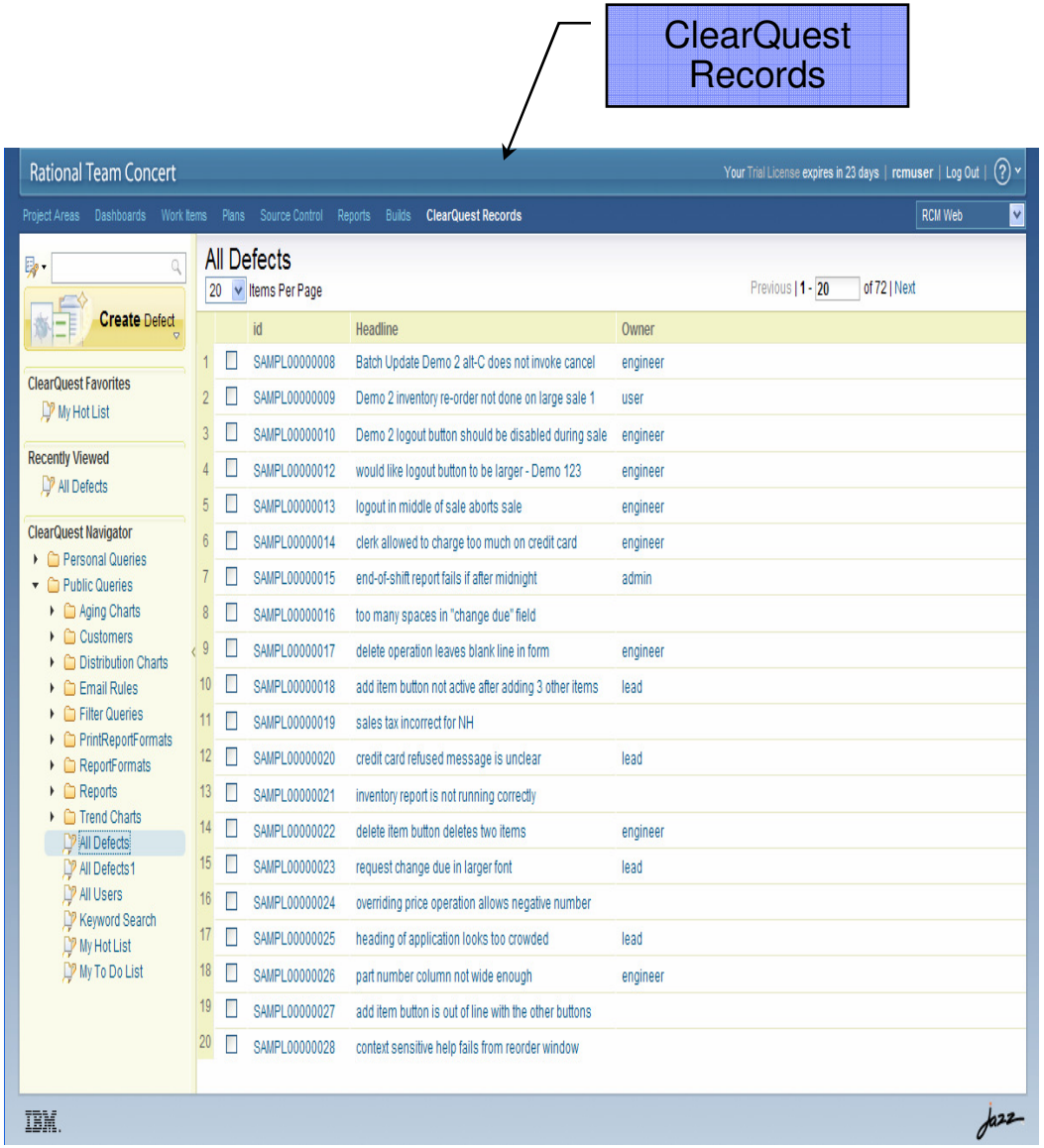
ClearQuest Bridge
Lower Total Cost of Ownership

- Reduces Time/Network Traffic
  - No Waiting for Data Synchronization so Key Use Cases Will Be Faster
  - Quicker Access to Record Information
- Lower Administration
  - alternate mechanism for linking CQ with Team Concert; create & maintain sync rules not required
- More Manageable Repositories
  - No Data Replication - Helps Minimize Database Growth
- Integrated User Experience Reduces Training Costs
  - CQ Bridge UI Provides Integration On The Glass Between the RTC and CQ
  - Appears As If You Are Working In a Jazz-based Environment



ClearQuest Bridge
Integrated User Experience

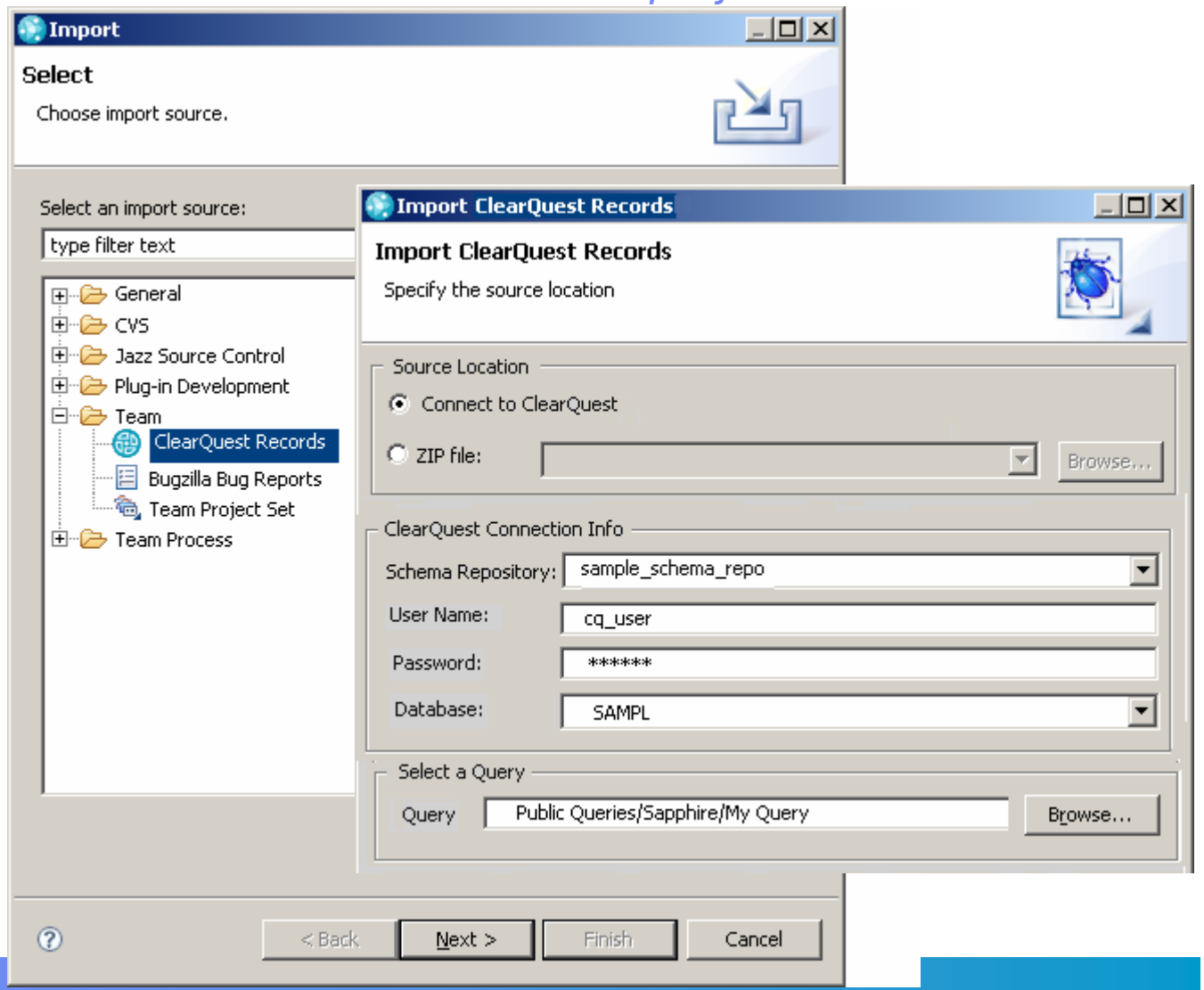
- Leverage RTC UI Capabilities
  - Dashboard Capabilities
    - Startup Query
    - ClearQuest Query
    - ClearQuest Favorites list
    - Iteration progress view
- Trusted ClearQuest Web UI
  - Search by Id or Full Text
  - Favorites
  - Navigator
  - Resultset
  - Record
- New – Link CQ Records and WIs
  - Work Items
    - Create New & Link with ClearQuest
    - Link with existing work item
    - Annotation of links



ClearQuest Importer Wizard

Provide ability to move select CQ records to an RTC project

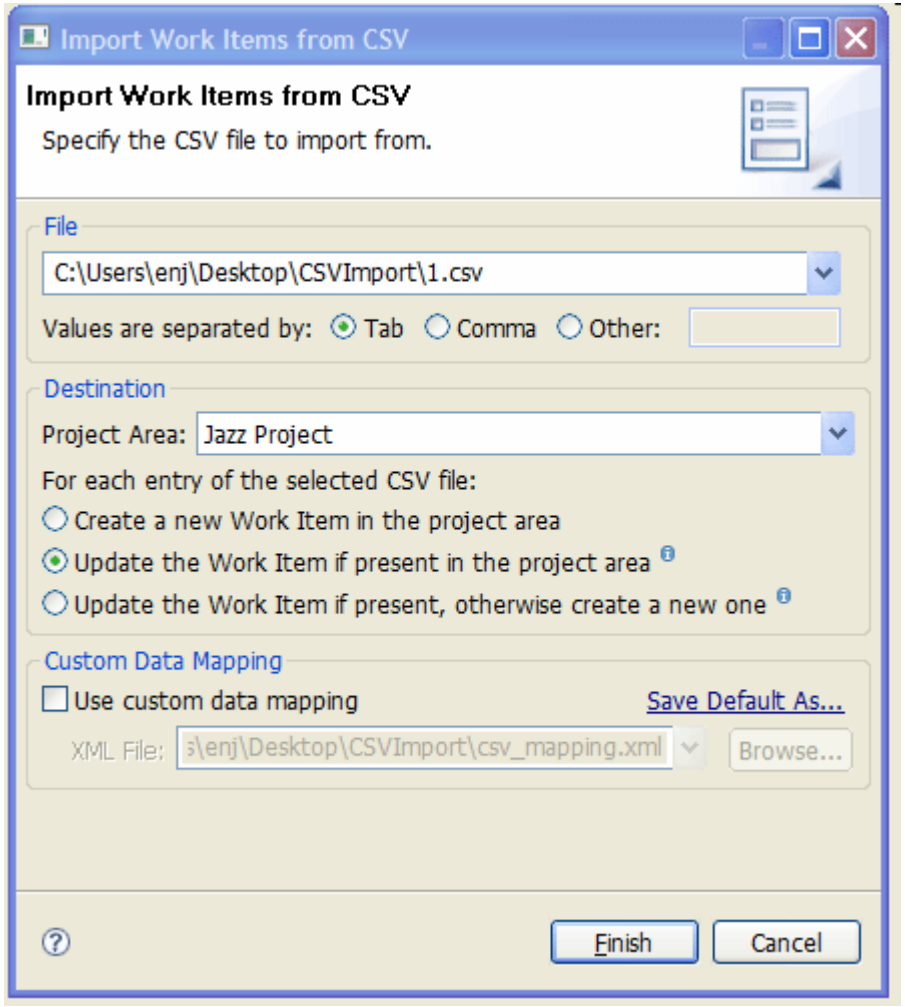
- Import CQ records to an intermediate XML format
- Select scope of import using CQ query
- Create a mapping file to map CQ Record types to work item attributes
  - Sample provided
- Import into an RTC project once mapping has been validated.



CSV Importer

Streamlines migrations

- Create new work items or update existing work items
- First row or custom XML mappings
- Allows for work items to be imported from other systems



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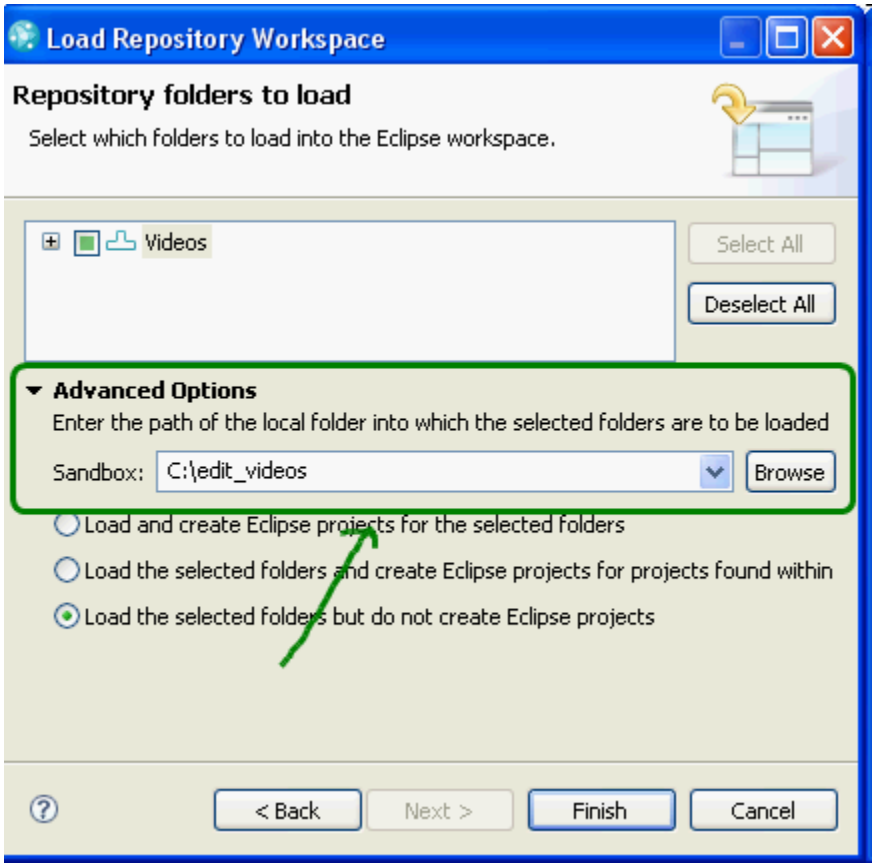
Driving Business Differentiation

Flexible SCM workspace loading

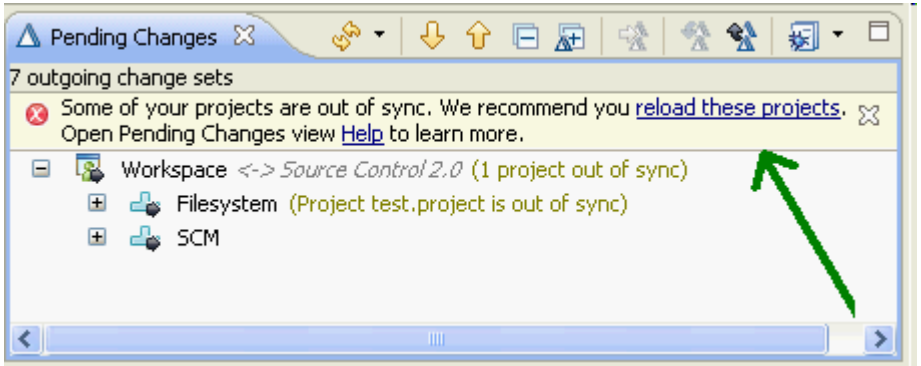
- You can load to any location on disk and have your projects imported into your Eclipse session. This means that you can keep your non-Eclipse directory structure that worked with external tools as is.

- There can be contents in the sandbox which are outside of your Eclipse workspace. This means that command line users and Visual Studio users won't see ".project" files.

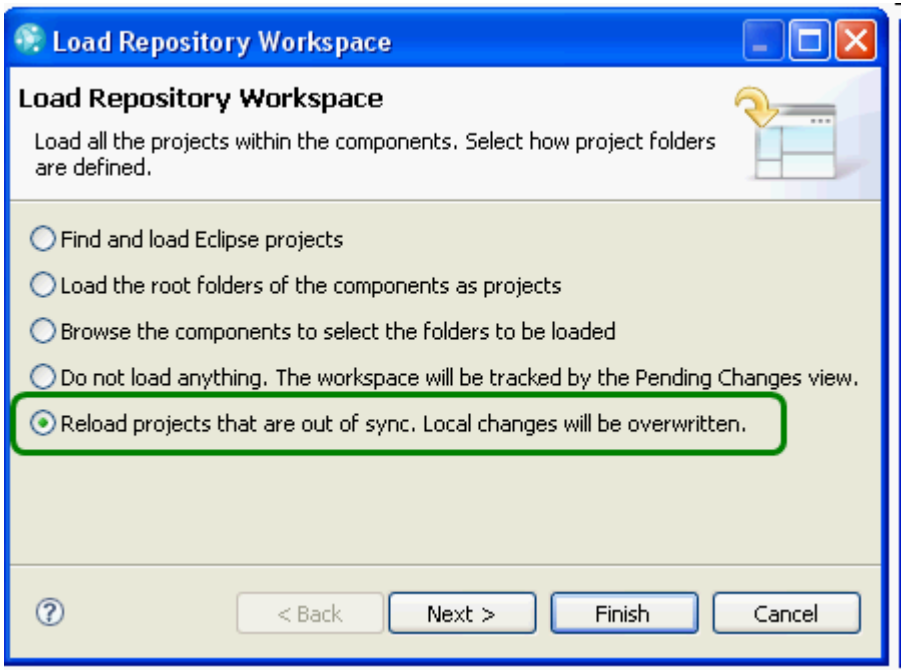


Pending Changes view detects out of sync projects

- Pending Changes view now warns when projects are out of sync; i.e. when the content loaded in the sandbox on disk doesn't correspond to the content in the corresponding repository workspace



- The pending changes view allows the calculation of local changes for individual sandboxes (useful if the sandbox contains contents that are not within Eclipse projects - allowing you to find, check-in, undo, etc. those changes).

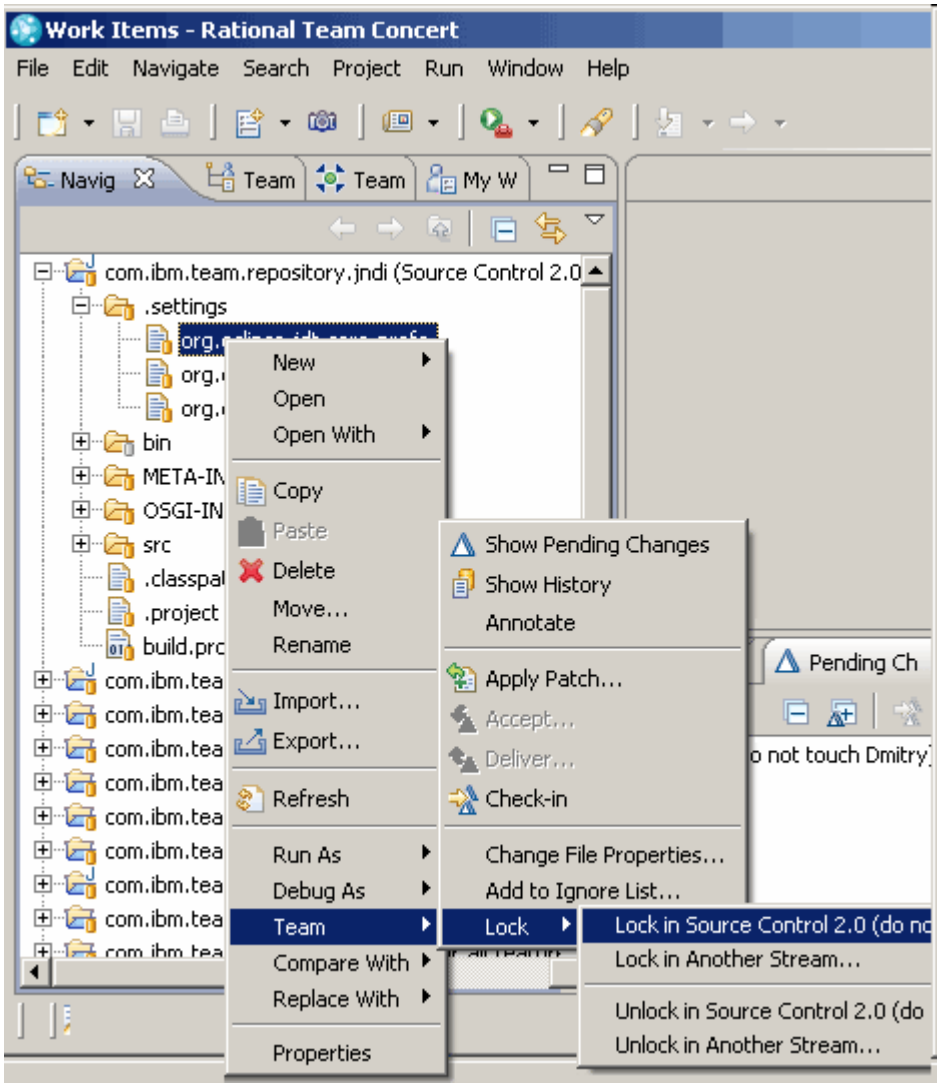


- The load wizard supports loading just the projects that are out of sync.

SCM file locking to avoid parallel file changes or merging

- You can now lock a file in a particular stream. Locks are very useful for file types like images, presentations or spreadsheets, where you don't want to people to modify a file independently or you wish to avoid merging a file.

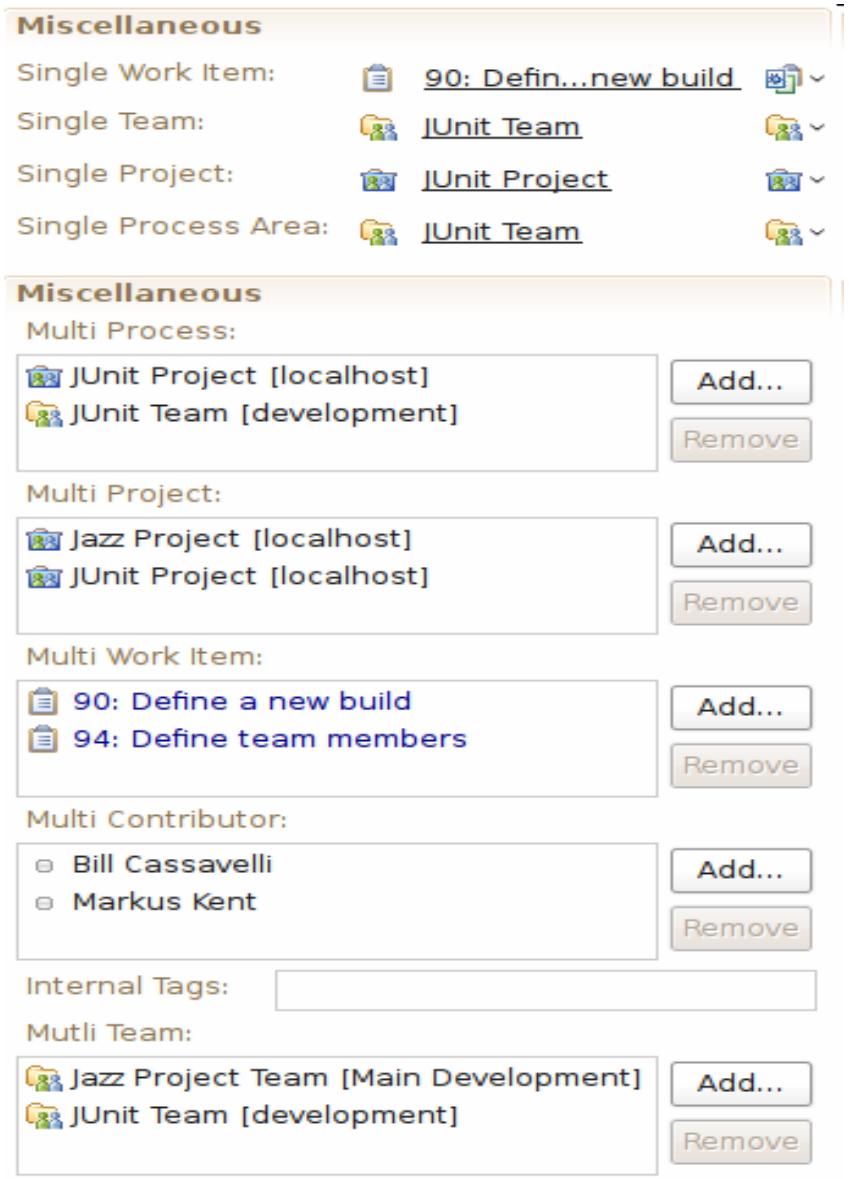
- In such cases, it is better to lock the file to ensure that only one team member at a time is changing that particular file.



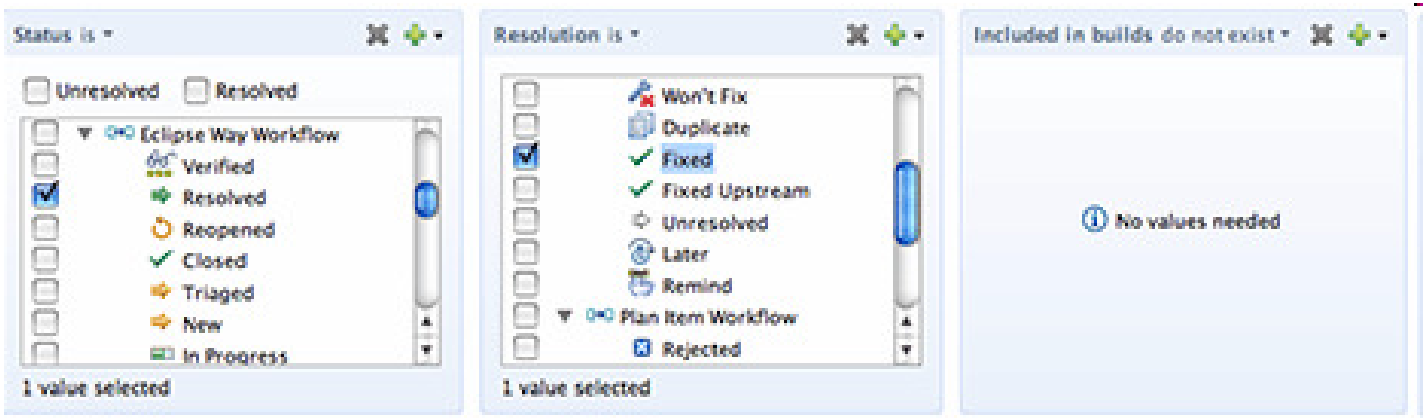
Enhanced Work Item Customization

User, Category, and Iteration custom attributes types, along with the ability to define custom attributes of the following types:

- Work Item and Work Item lists
- Project Area and Project Area lists
- Team Area and Team Area lists
- Tags
- User lists



New Query Functionality

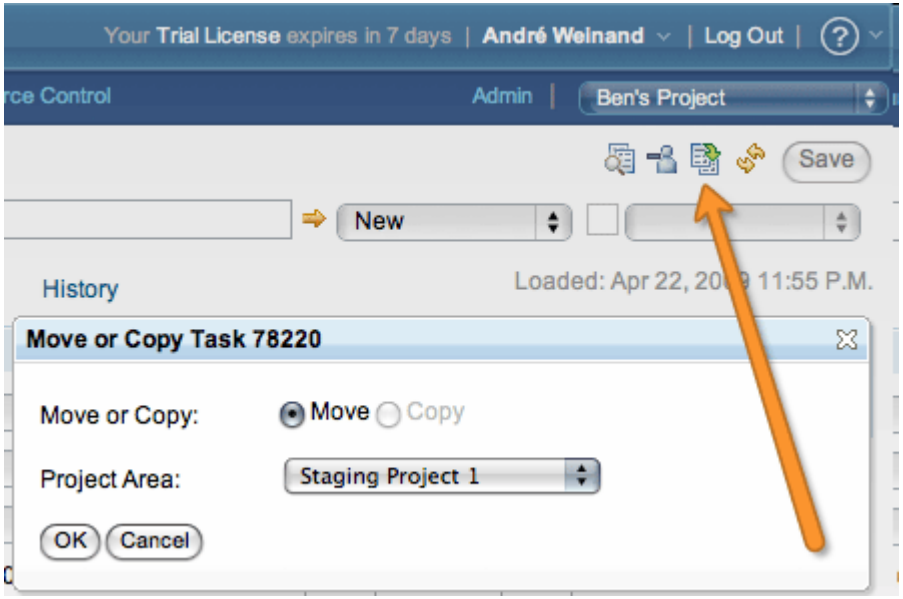


- New flexibility in constructing queries:
  - 'Not Exists' operator for link attributes
  - Link attributes can be combined
  - ANDing of multiple custom attributes
  - Query of multi-valued attributed
- Examples of new queries
  - Stories without children
  - Fixed defects not in build
  - Adoption items affecting team

New productivity for developers and project managers

Move/Copy work items

- Easily move or copy work items between project areas
- Encourages collaboration across projects



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Driving Business Differentiation

For the most up to date information …

- Rational Team Concert 2.0 beta on jazz.net

Driving Business Differentiation

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