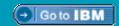




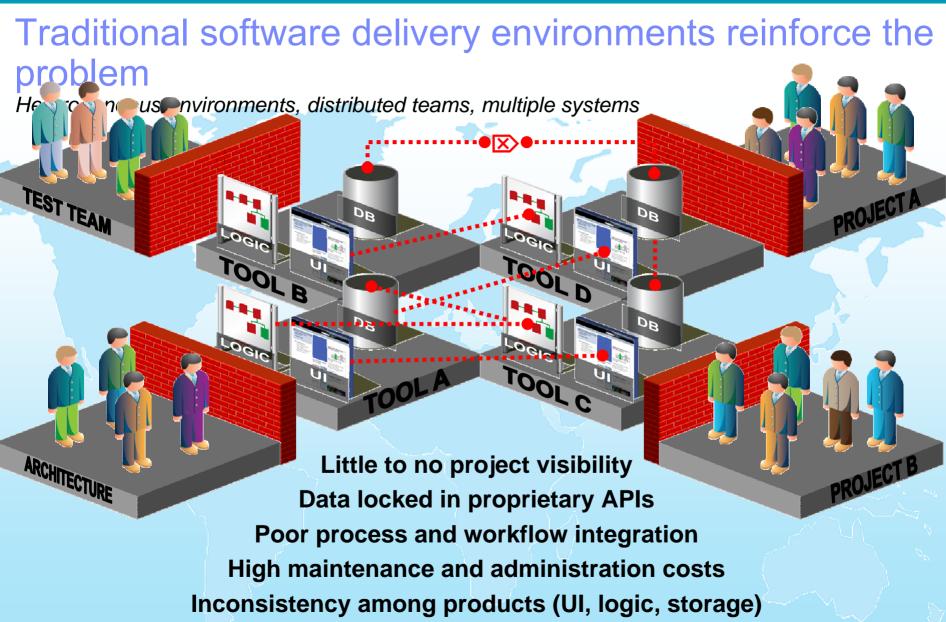
Jazz overview and What's New With Rational Team Concert (TM)

Kartik Kanakasabesan – Manager: World Wide Jazz Jumpstart Manager Robin Garside – Manager: Jazz Customer Relations and Jazz.net

Rational. software











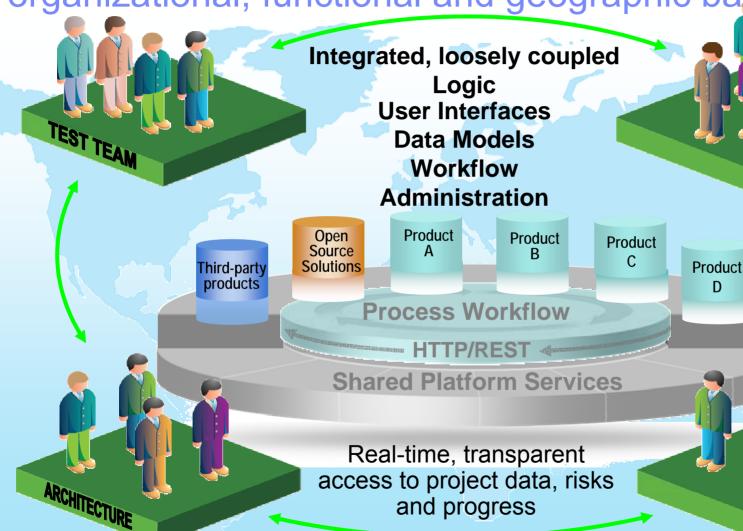








A software delivery platform can break down organizational, functional and geographic barriers

















Enabling transformation to from "command and control" to "sense and respond" approaches



- Process control → "Right size" the process
 - Lightweight to heavyweight project lifecycle process enforcement
 - Waterfall to agile Choose what's right for this project



Progress management -> Honest assessment

- Real-time view into distributed teams progress
- Cross-Product velocity and progress projections



Quality oversight -> Incremental demonstrable results

- Traceable linkages between development and quality
- Multi-level dashboards from multiple data sources



Proscribed environment -> Open and extensible architecture

- Navigation across tools and domains using a consistent UI framework
- Integration of in-house, commercial and packaged tools











Technical requirements of a software delivery platform

Learn from industry mistakes

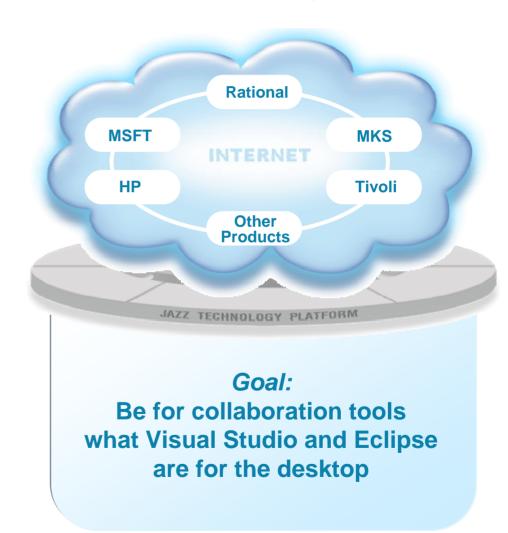
- Don't assume that customers will only use your products
- Don't assume that all data will be stored in a central repository

Take advantage of the Internet

- Amazingly scalable and extensible
- Integrates information on a massive scale
- Collaboration on unprecedented scale

Make it open and extensible

- Specify data independently of tools
- Standardize data access through HTTP/REST standard protocols













Jazz is a platform for transforming software delivery

Business Partner Rational **Third party Offerings** Offerings **Offerings** Requirements Configuration Performance Definition & Your & Change Quality existing Management Management Management Management **Future** Management 3rd-Party capabilities Jazz Capabilities Capabilities **Best Practice Processes** Administration: Users, **OPEN SERVICES** Collaboration projects, process Presentation: Storage Mashups Discovery Query

Jazz is a platform for transforming how people work together to deliver greater value and performance from their software investments.

Jazz is...

- Our vision of the future of systems and software delivery
- A scalable, extensible team collaboration platform
- An integration architecture enabling mashups and non-Jazz products to participate
- A community at Jazz.net where Jazz products are built
- An evolution of our portfolio over time



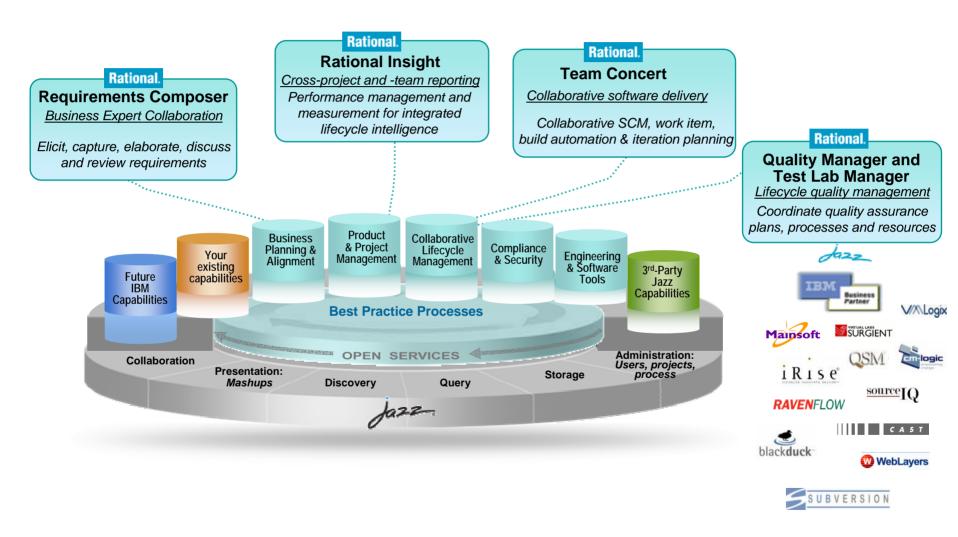








First wave of products built on Jazz technology



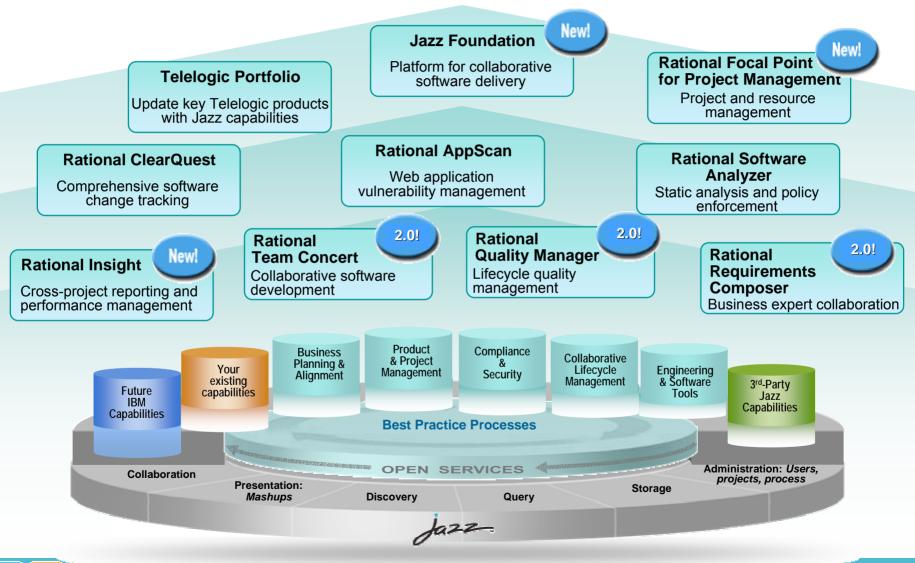








Upcoming waves (2009 and beyond)





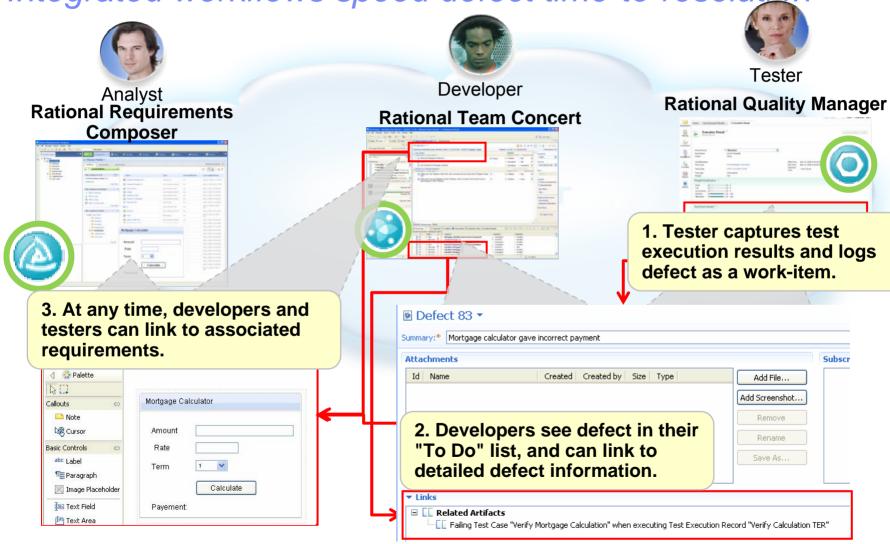








Accelerate the build-test-debug cycle Integrated workflows speed defect time-to-resolution















Agenda



- **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**











Enterprise Scalability for Team Concert

Rational Team Concert JAZZ TEAM SERVE

Maximum developers/contributors

Database and Application Server

Express-C

10 / unrestricted

Derby, Tomcat

Express

Standard

Enterprise

Enterprise Teams

- · Customizable Workflow
- · Advanced Reporting
- High Availability
- Unrestricted scaling based on bardware

Small Teams

- · Quick Start
- Collaborative ALM
- Open source servers
- Project Dashboards Collaborative ALM

Mid Sized Teams

- 50 / unrestricted
- · Commercial Middleware
- · Advanced Reporting

Corporate Teams

•	Departmental Scaling	
	250 / unrestricted	

Customizable workflow

based on nardware
Unrestricted / unrestricted
DB2, Tomcat (SQLServer,

Oracle, WebSphere)

- Agile planning: at the daily, iteration, and release level SCM -Stream and component based
- Builds w/ Continuous Integration
- Work items w/ custom attributes.
- discussions and approvals **Customizable Process Templates**
- **Project Milestone Tracking & Status**
- LDAP authentication

HTTP proxy support

High Availability

- Subversion Integration Bridge
- Role-based process permissions
- Project level permissions

DB2, Tomcat (SQLServer,	DB2, Tomcat (SQLServer,
Oracle, WebSphere)	Oracle, WebSphere)

unlimited project, team.

and personal dashboards

√*

Cross repository dashboards unlimited project, team. Customizable Dashboard Mashups 1 per project 1 per project and personal dashboards

Advanced Reports and Customization

Customizable work item workflow Plan risk assessment CC/CQ Connectors and Bridges

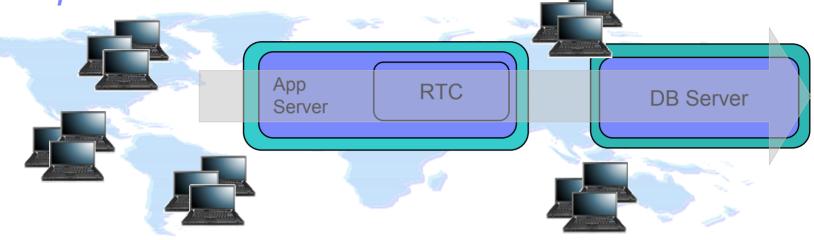
Floating Licenses Available LDAP import / synchronize

* 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).





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

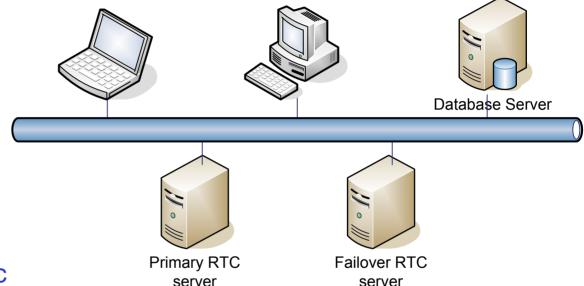
Consolidate & Lower TCO by deploying a centralized, consumable, infrastructure.

More details here





Basic High Availability Supported in Enterprise Edition

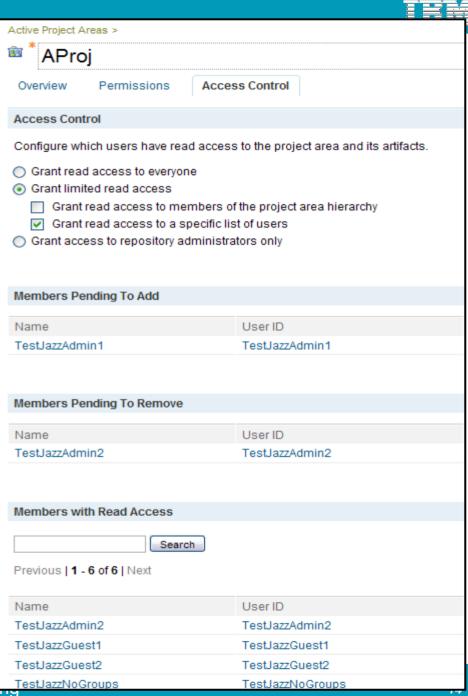


Provides critical availability for enterprise customers with automatic failover on hardware failure, software server crash, or other outage

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 user

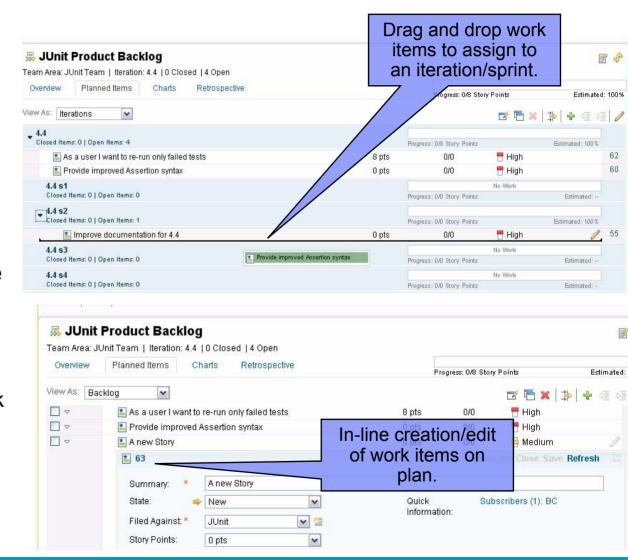






Coverage of all agile levels of the "Planning Onion"

- 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





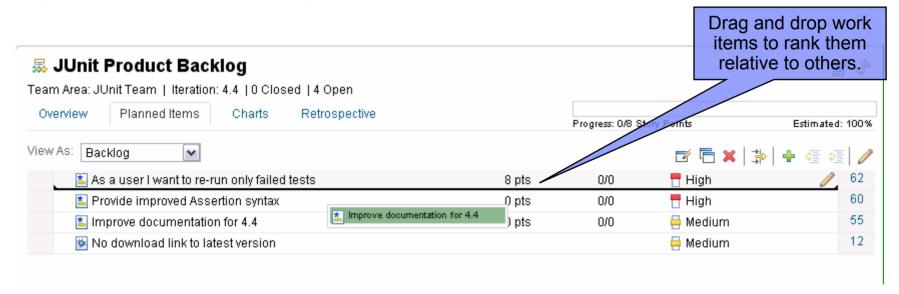
Taskboards track Work in Progress See the work currently in Accelerate stand-up meetings, increased t progress Markus Kent Closed Items: 4 | Open Items: 7 Progress: 0.25 Estimated: 71% ⇒ To Do In Progress ✓ Done 55 * Improve 📋 javadoc updates for 30 [Docs] Cookbook documentation for @lanore in 4.3 59 Provide improved Based on the Assertion syntax assertThat syntax we should provide assumptions and theories support assertArrayEquals shows green bar while assert false misses differences Should not call assert Array Equals misses differences 27 testCount hard-coded derived's afters if to 1 for childless super's before falled Description After method not 14 Tests on protected called after my test methods fail. timeout in 4.3.1 10 assertThat fails with Class tests (documentation problem) Drag and drop work items to change their state.





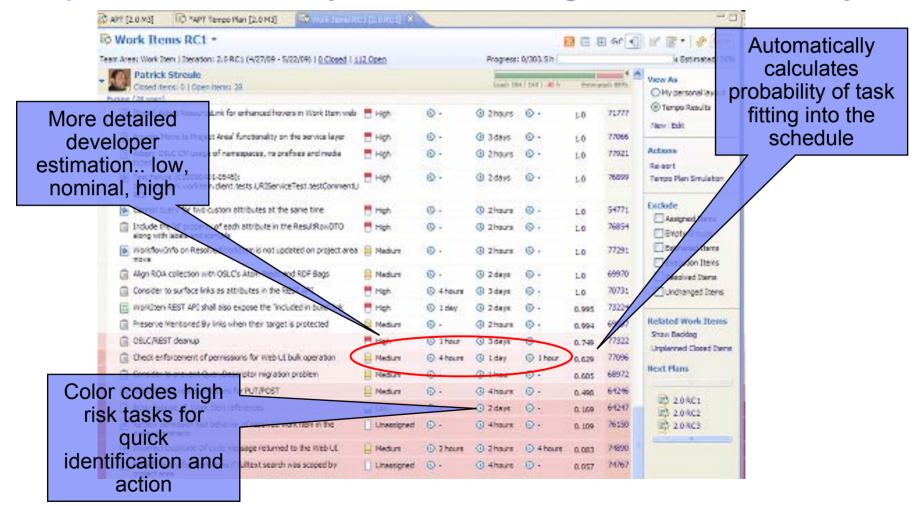
Backlog Plan Mode Easily rank work items to define priority

- 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

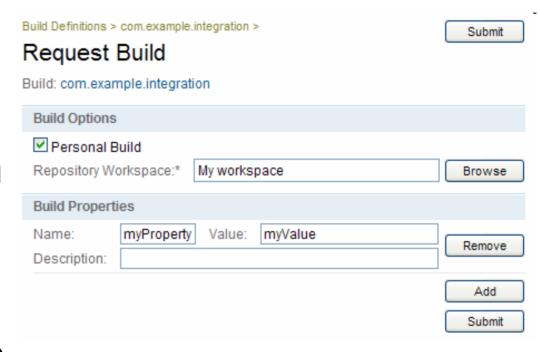






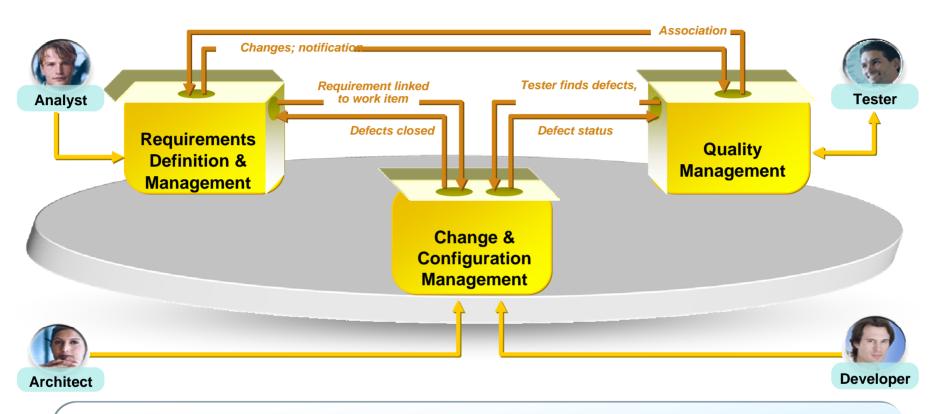
Web based Build Management

- 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





Collaborative ALM connects Analysts, Developers and Testers



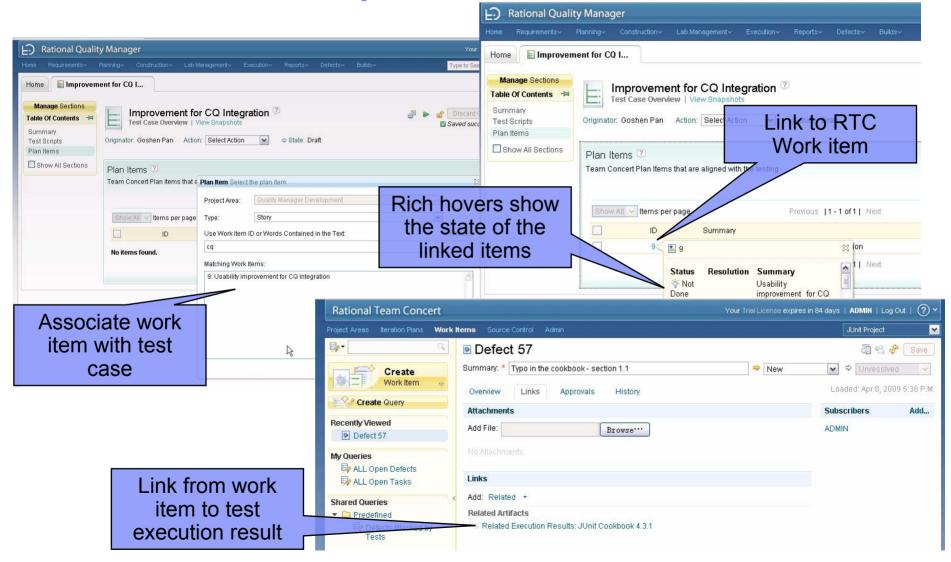
- Coordinate analysts, developers and testers
 - . Collaborate in context and track status
- . Align teams on project plans
 - . Which requirements are in the development plan?

- 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





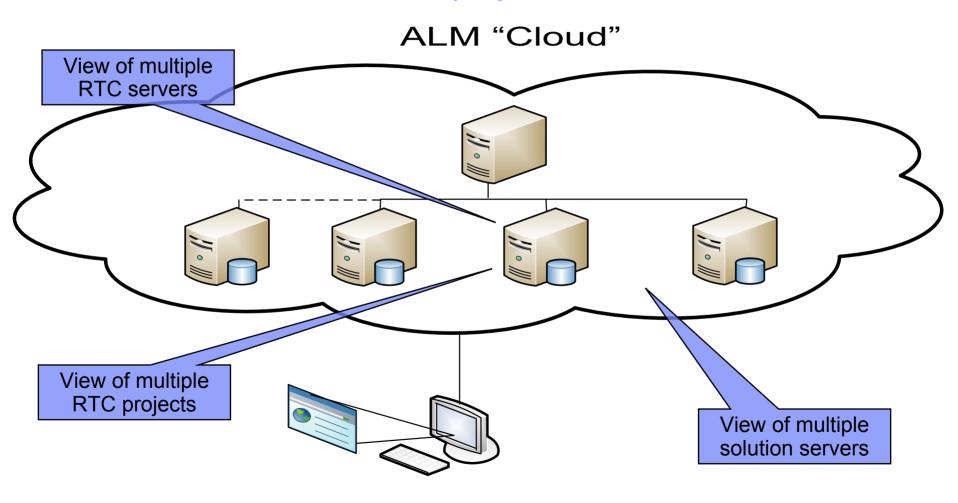
Establish Traceability Links







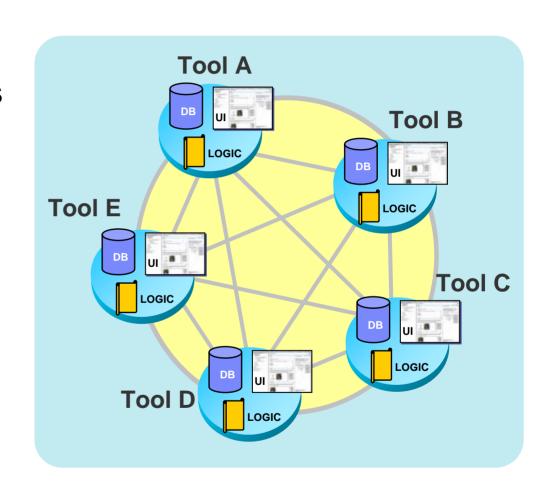
Surfing the ALM Web Dashboards across servers & projects





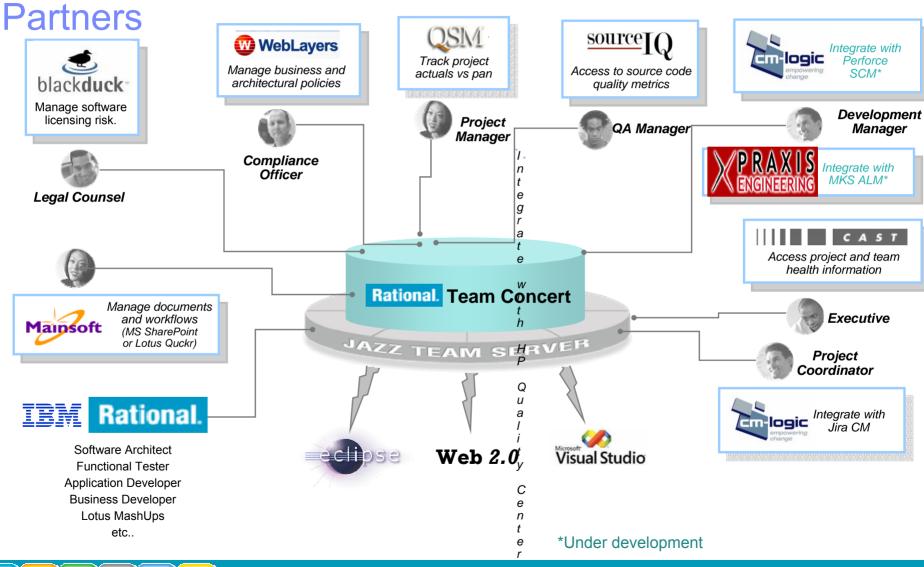
Release 2.0 API's available for extensibility

- 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









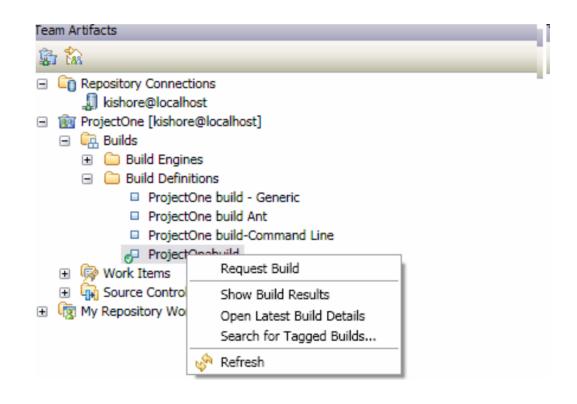






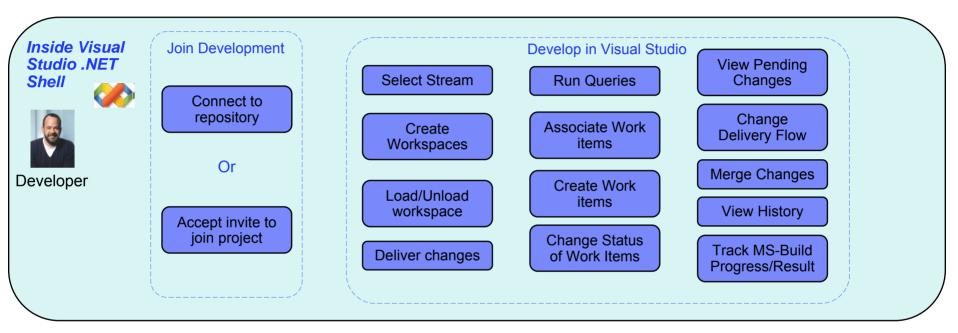
Enhanced Visual Studio IDE: Jazz Build Support

- Expose Jazz build to Visual Studio developers
 - MS-Build support
 - Build Request
 - Build History view
 - Build queue view
 - Build activity view



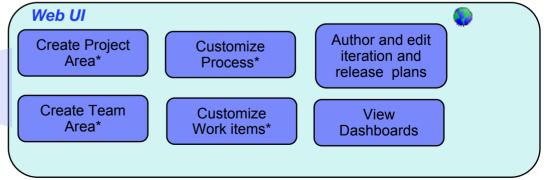


Access to developer focused SCM, work item and build



Web UI for project leads and developer access





* Permission provided



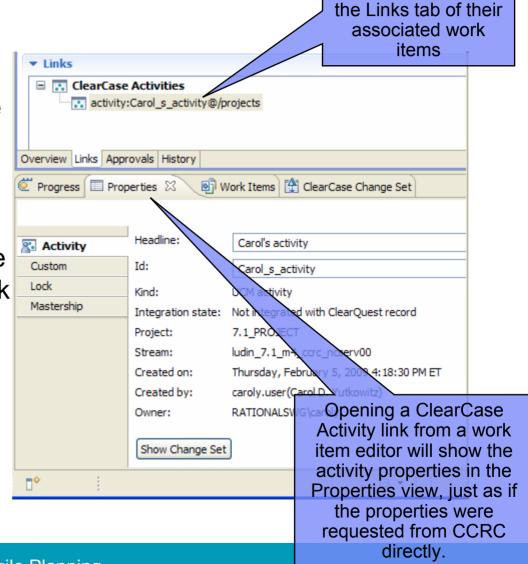


References to

ClearCase Activities will also show up on

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!





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

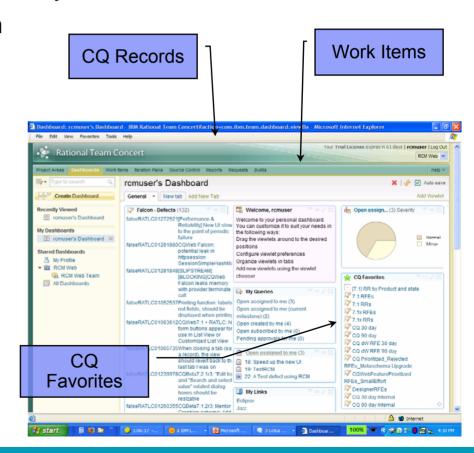
Import from an existing Base ClearCase branch
ClearCase Branch Type Selector:
Format:
Locked ClearCase Label Type Selector:
LAB1@\testvob
Format: @<vob-selector></vob-selector>
✓ Import with history from ClearCase

Choose Baselines to Import		
Import all baselines		
O Import all baselines which have the following attribute type:		
Format: <attribute-type-name>@<vob-selector></vob-selector></attribute-type-name>		



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
 - No Data Replication Helps Minimize Database Growth
- Integrated User Experience Reduces Training Costs
 - CQ Bridge UI Provides Integration between the RTC and CQ
 - Appears As If You Are Working In a Jazz-based Environment



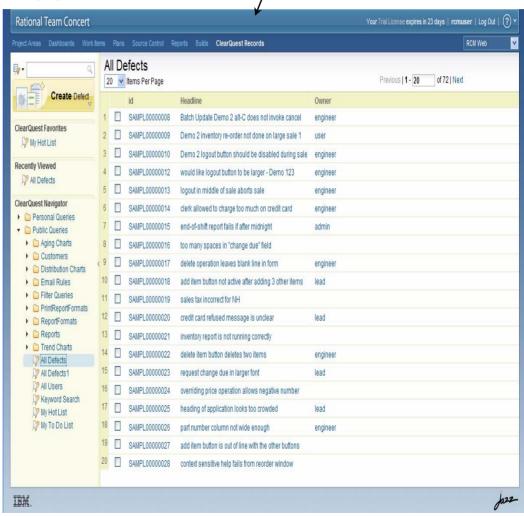




ClearQuest Records

ClearQuest Bridge Integrated User Experience

- Leverage RTC UI Capabilities
 - Dashboard Capabilities
 - Startup Query
 - ClearQuest Query
 - ClearQuest Favorites list
- New Link CQ Records and WIs
 - Work Items
 - Create New & Link with ClearQuest
 - Link with existing work item
 - Annotation of links



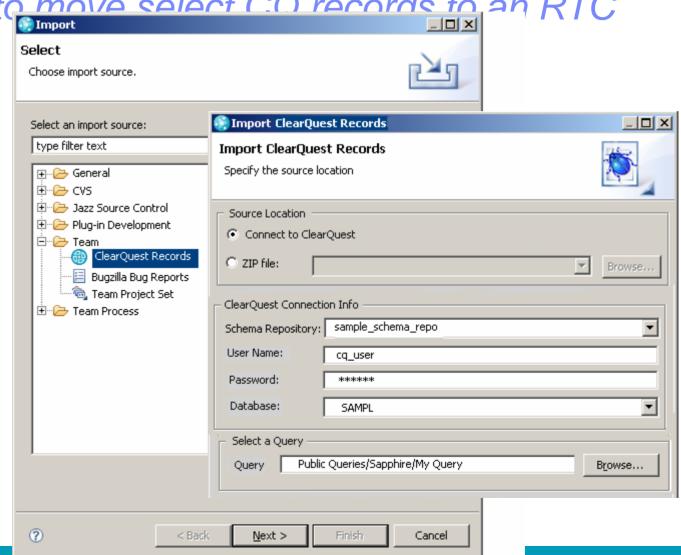


ClearQuest Importer Wizard

Provide ability to move select CO records to an RTC

project Import CQ records to an intermediate XMI format

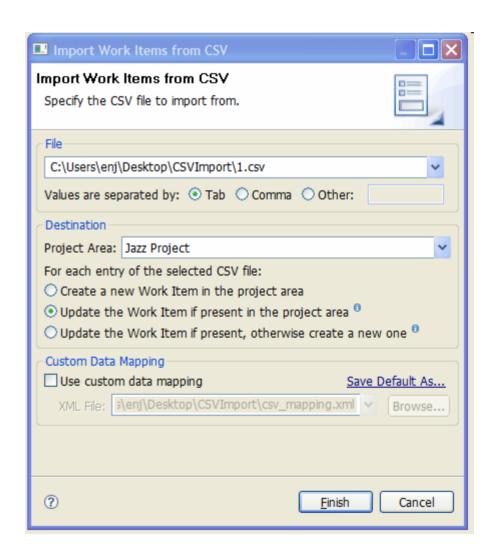
- Select scope of import using CQ query
- Create a mapping file to map CQ Record types to work item attributes
- Import into an RTC project once mapping has been validated





CSV Importer Streamlines migrations

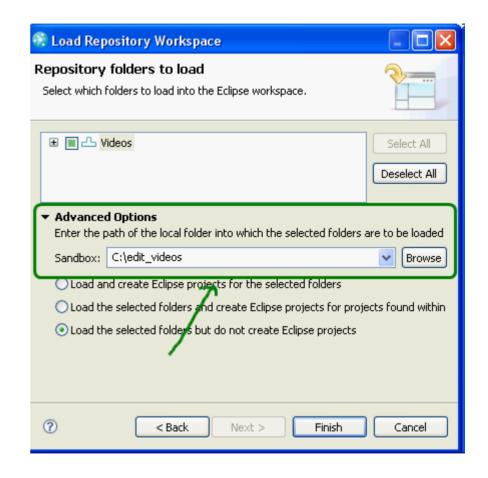
- Create new work items or update existing work items
- First row or custom XML mappings
- Allows for work items to be imported from other systems





Flexible SCM workspace loading

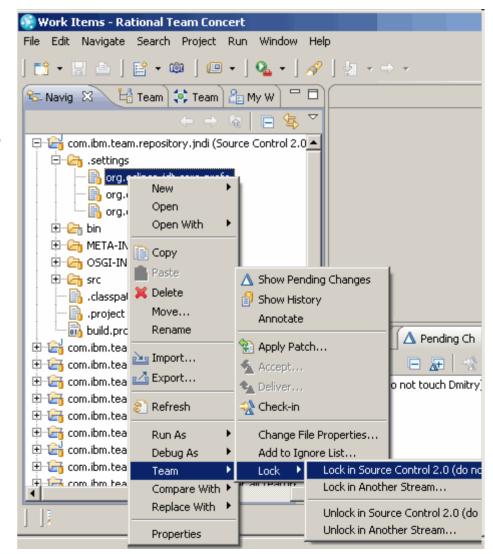
- You can load to any location on disk and have your projects imported into your Eclipse session.
- You can keep your non-Eclipse directory structure that worked with external tools as is.





SCM file locking to avoid parallel file changes or merging

- You can now lock a file in a particular stream.
 - Useful for non-mergable contents
 - Images, presentations

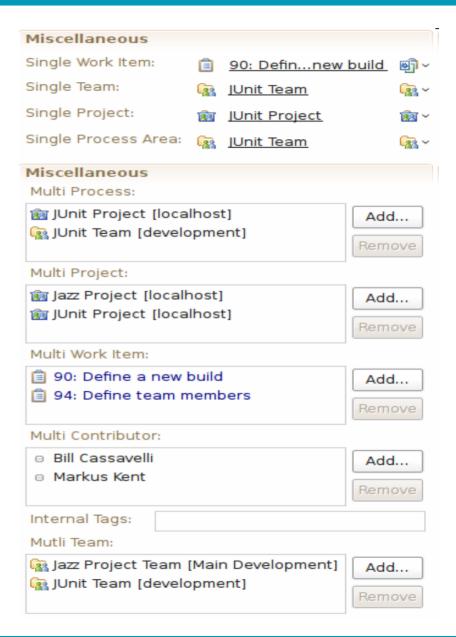




Enhanced Work Item Customization

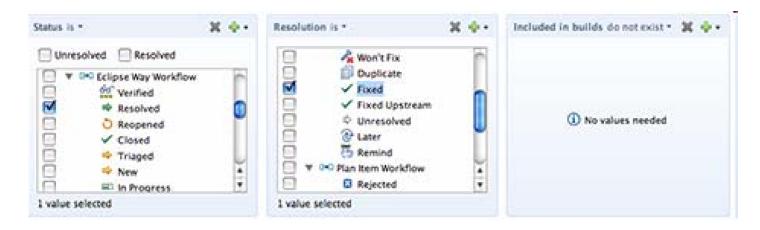
User, Category, and Iteration custom attributes types, along with the ability to define custom attributes of the following types:

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





New Query Functionality



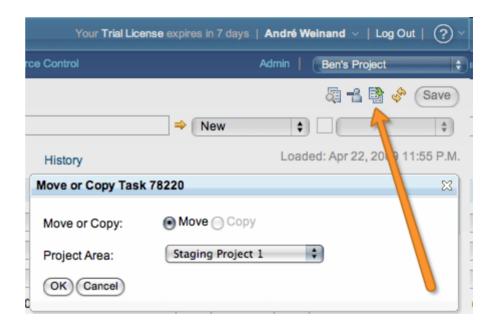
- New flexibility in constructing queries:
 - 'Not Exists' operator for link attributes
 - Link attributes can be combined
 - ANDing of multiple custom attributes
 - Query of multi-valued attributed

- Examples of new queries
 - Stories without children
 - Fixed defects not in build
 - Adoption items affecting team

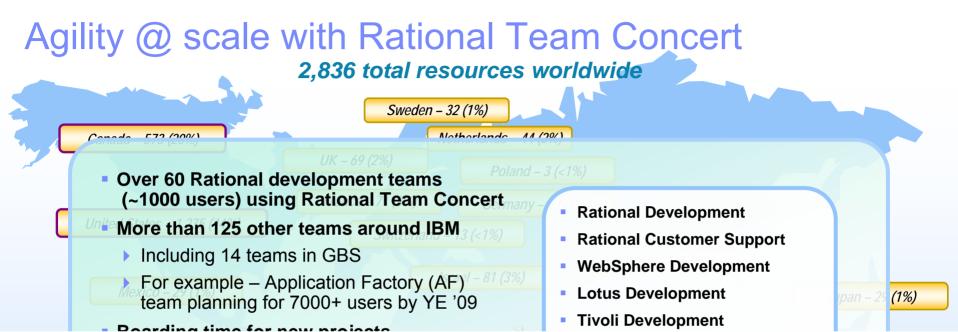


Move/Copy work items

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







"We've really enjoyed the way Jazz deals with collaboration, keeping track of tasks and linking changes to actual tasks. This is light-years ahead of what we had before with CVS."

"Less emails. Less lost info. Most accurate vision of features and tasks. Very light weight for everyone. Supports sprints / iterations very nicely."

- IBM internal feedback





Jazz.net community site: Open commercial

development



- An open, commercial development laboratory where you can...
 - Communicate with the development team
 - Track the progress of builds and milestones
 - Get the latest product trials and betas
 - Join developers and product managers in discussion groups
 - Submit defect and enhancement requests











For the most up to date information ...

Rational Team Concert 2.0 on jazz.net



















© Copyright IBM Corporation 2009. All rights reserved. The information contained in these materials is provided for informational purposes only, and is provided AS IS without warranty of any kind, express or implied. IBM shall not be responsible for any damages arising out of the use of, or otherwise related to, these materials. Nothing contained in these materials is intended to, nor shall have the effect of, creating any warranties or representations from IBM or its suppliers or licensors, or altering the terms and conditions of the applicable license agreement governing the use of IBM software. References in these materials to IBM products, programs, or services do not imply that they will be available in all countries in which IBM operates. Product release dates and/or capabilities referenced in these materials may change at any time at IBM's sole discretion based on market opportunities or other factors, and are not intended to be a commitment to future product or feature availability in any way. IBM, the IBM logo, Rational, the Rational logo, Telelogic logo, and other IBM products and services are trademarks of the International Business Machines Corporation, in the United States, other countries or both. Other company, product, or service names may be trademarks or service marks of others.







