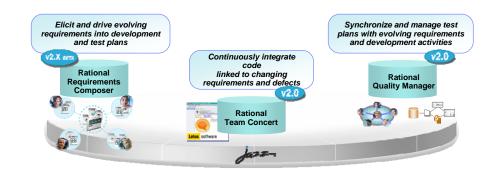




Making delivery outcomes real

Enabling Collaboration across Silos



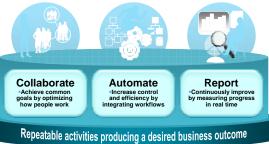


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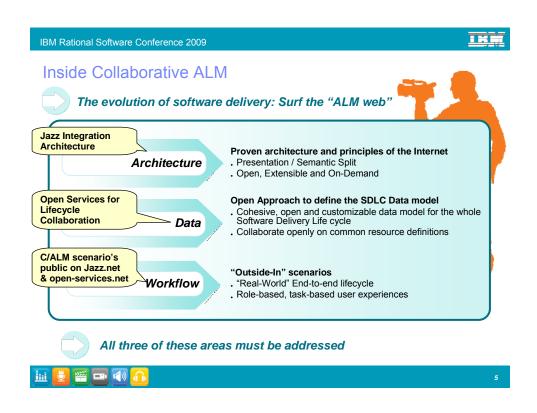


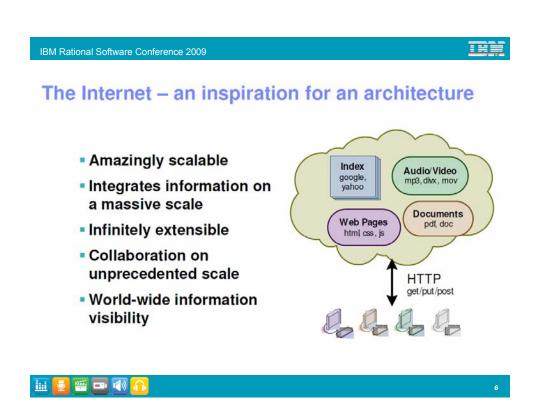
Integration Enables Collaboration

- Data integration via linked artifacts across repositories using RESTful interfaces
- Leads to increased collaboration among team members who link, navigate and track the status of delivery team artifacts
- And enables automation such as real-time reports and queries
- Increased transparency for everyone





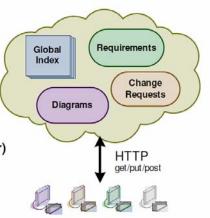






So what if...

- All data are resources with URLs
- Resources have representations
- Representations specified independently of tools as standards
- Links are embedded URLs
- Multiple Tools access data
- REST (Representational State Transfer)





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Open Services for Lifecycle Collaboration

An initiative aimed at simplifying tool integration across the software delivery lifecycle

Barriers to sharing resources and assets across the software lifecycle

- Multiple vendors, open source projects, and inhouse tools
- Private vocabularies, formats and stores
- Inextricable entanglement of tools with their data

Open Services for Lifecycle Collaboration

- Specifications for sharing lifecycle resources
- Inspired by Internet architecture
 - Loosely coupled integration with "just enough" standardization
 - Common resource formats and services
- A different approach to industry-wide proliferation



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Community: open-services.net

- Introduced at RSDC 2008
- Open community contribution
- Scenario driven...a minimalist approach
- Divided into focus areas
 - ▶ Change Management
 - Quality Management
 - ▶ Estimation & Measurement,
 - ▶ Requirements Management, ...
- Solving integration in the open





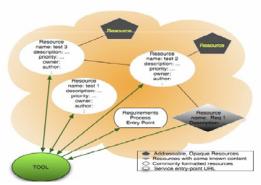
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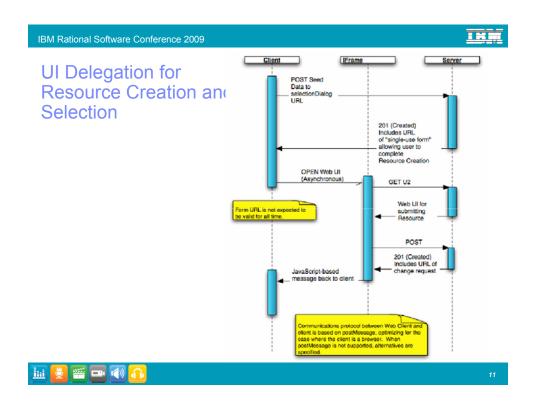
Open Services for Lifecycle Collaboration Putting the approach into practice



- Step 1: Internet URLs for resources
- Step 2: Shared resource formats
- Step 3: Shared resource services

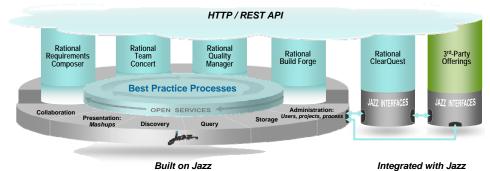






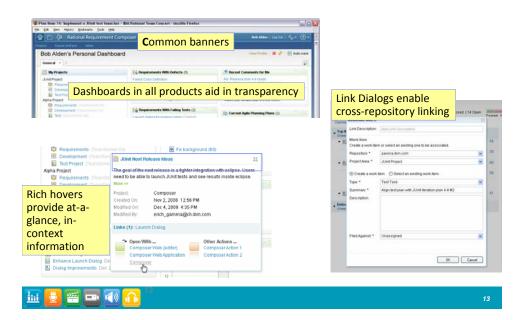
Jazz: Open, extensible, web-centric, integration architecture

Open Services Web Integrations





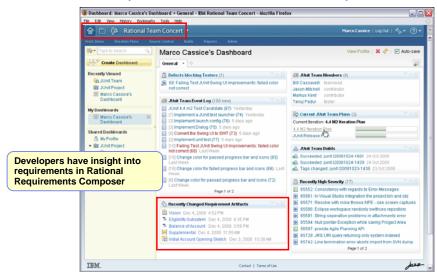
Common UI elements aid in ease-of-use



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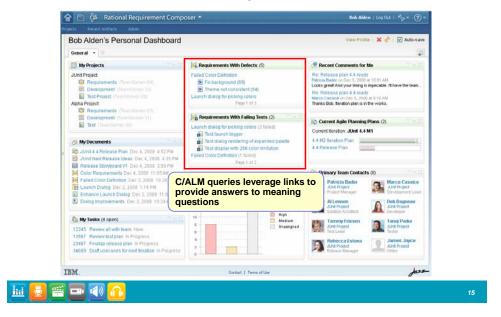


C/ALM Mash-up Dashboard - RTC example





C/ALM Cross Product Query Viewlets



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What you will see

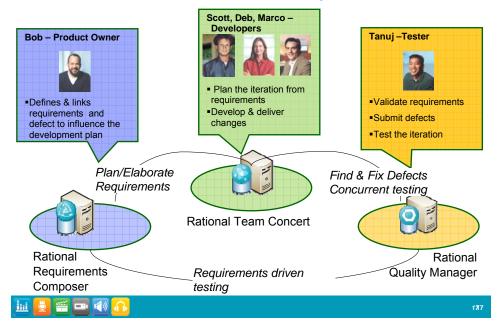
- Collaboration across disciplines analysts, developers and testers
 - ▶ Link to or create (and link to) artifacts across repositories without leaving their own UI
- Dashboards that automate transparency across product boundaries
- Practices at work:
 - Common Vision, Test Management, Concurrent Testing, Whole Team, Agile Core
- Behind the scenes Jazz Foundation and Open Services for Lifecycle Collaboration







Demo A team collaborates across repositories



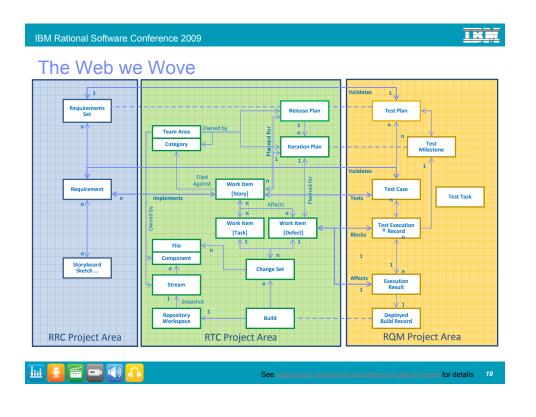
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Jazz Integration Architecture



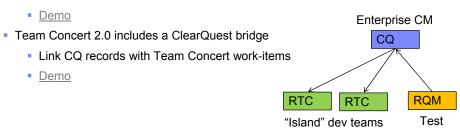


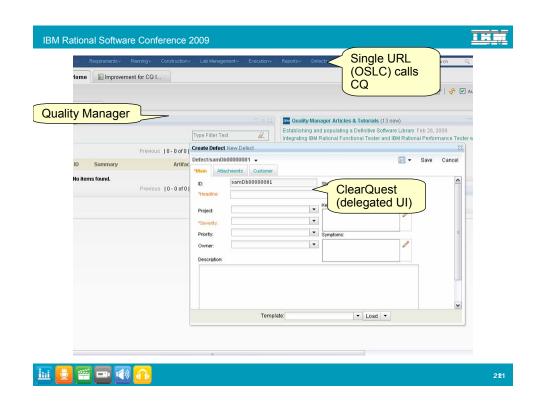


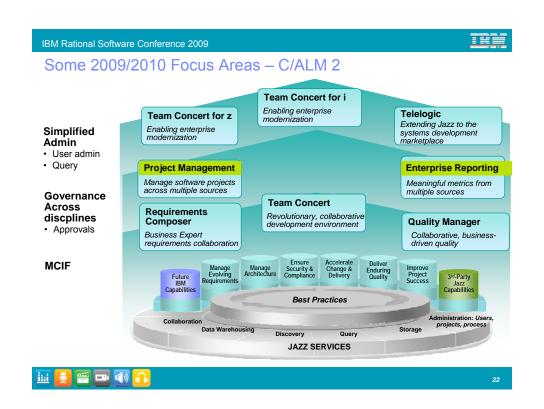


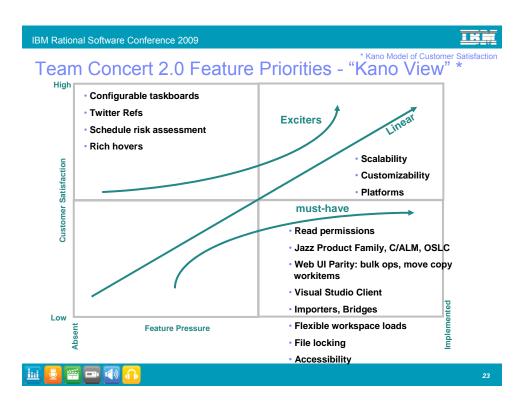
It's not just for Jazz... integrate ClearQuest

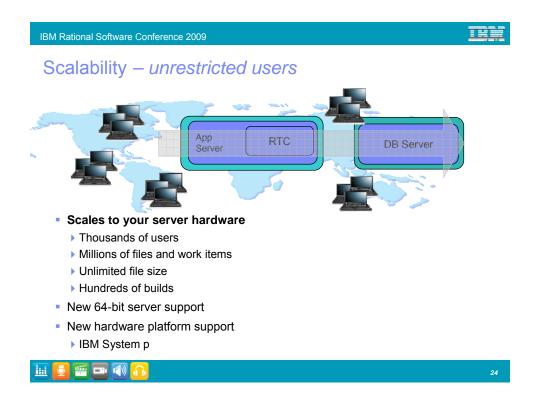
- For Team Concert and Quality Manager Users who also work with ClearQuest
- Quality Manager supports multiple defect providers
 - RQM (out of box)
 - Team Concert
 - ClearQuest Testers can submit defects to ClearQuest







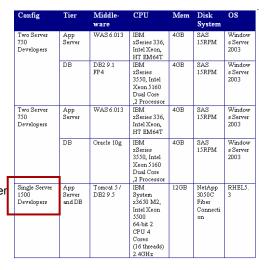






Enterprise Scalability & Security

- Vertical scaling > 1500 users on a server
- Performance measurements done using simulated loads
 - ▶ Calibrated using jazz.net data
- Several good performance bugs/bloopers identified and fixed
- See blog entries on jazz.net
 - "How many users will RTC 2.0 server support"
 - "Enterprise performance and scalability testing"



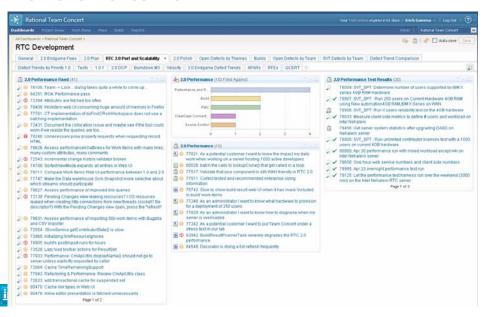


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2.0 Performance Work



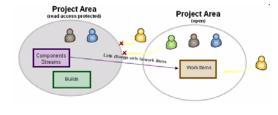




Enterprise Scalability and Security: Restricted Access Control

- Project level read permissions
 - ▶ Public, private projects
- Support for hybrid setups
 - Private source, public work items







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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
 - View by iteration
 - View by team
 - All this is available in the Web



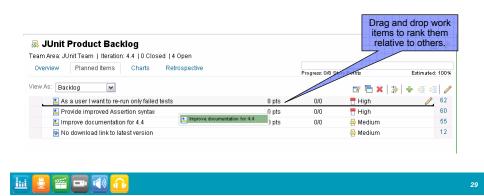


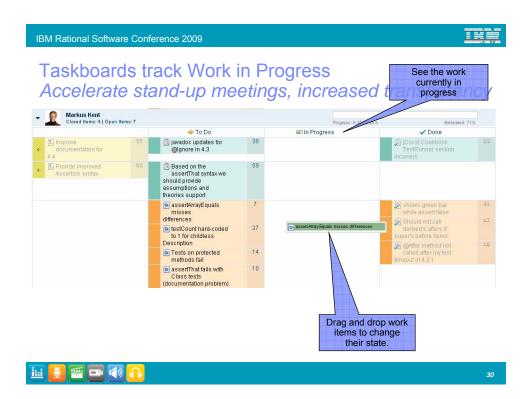




Backlog Plan Mode Easily rank work items to define priority

- Ideal for managing SCRUM backlog
- Ranking is reflected in all planning views, e.g. iteration plans and release plans
- Supports separating size from effort estimation

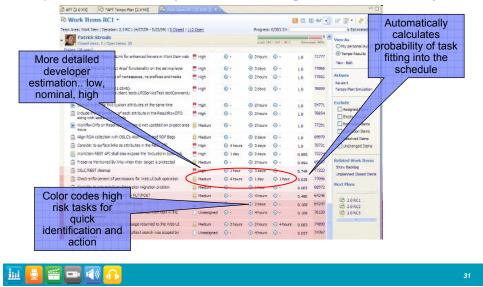








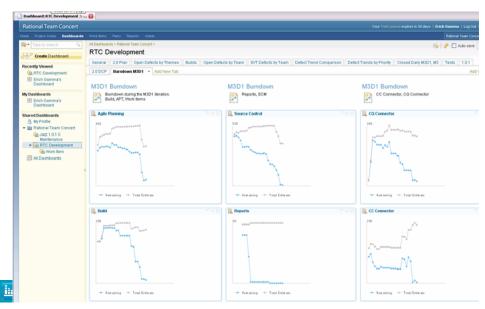
Plan Risk Assessment for a team Helps teams identify tasks with high risk items early

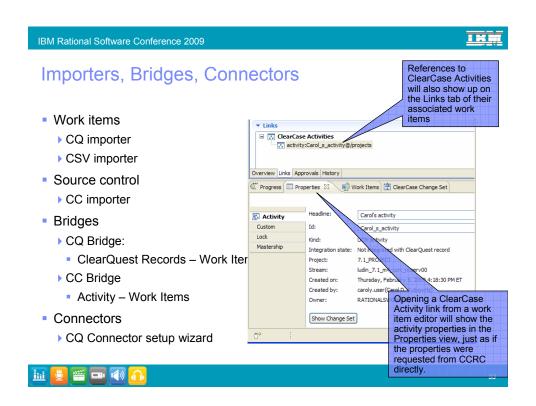


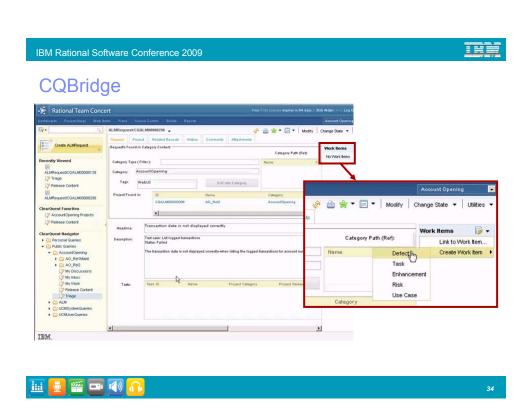
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Improved Work Burndown Reports





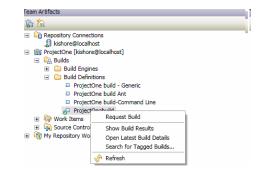


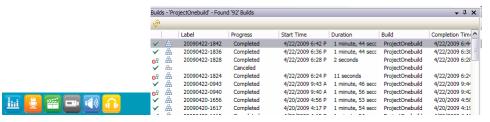


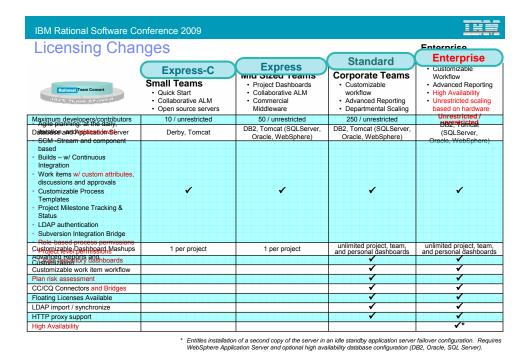
Enhanced Visual Studio Integration Build Support

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

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