

JAZZ FESTIVAL ROADSHOW

What is Jazz?

IBM

Rational. software





JAZZ FESTIVAL ROADSHOW

Today's reality: An intense focus on business outcomes



Align *IT* investments with rapidly evolving business priorities



Manage value and mitigate risks by improving project management



Control costs & improve global operational efficiencies



Ensure security and compliance in a changing global environment



Integrate value in organizationally diverse environments

The Jazz project

People working together to deliver great software

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



jazz

- A major investment by IBM to create a **scalable, extensible team collaboration foundation**.
- IBM's vision of the **future of software delivery**—globally distributed, fluid and dynamic.
- An **evolution of the Rational portfolio**, which will evolve to support Jazz technology over time.
- A **community at Jazz.net** — where you can see Jazz-based products being built.

Envisioning a platform that can transform software delivery

An open technology initiative to *transform how people work together to deliver greater value and performance from their software investments*



- Robust, extensible and scaleable
- Globally distributed, fluid and dynamic
- Community-based and open at Jazz.net

Collaborate in Context



- Enable team transparency of “who, what, when, why”
- Build team cohesion and presence
- Automate hand-offs – so nothing falls through the cracks

Right-size Governance



- Automate team workflow improving productivity
- Automate data collection eliminating administrative overhead
- Real time reporting and alerts reduces project risk

Day One Productivity

- Dynamic provisioning of projects and teams
- Real-time iteration planning and workload balancing
- Unify teams with tools choice

Real-time integration of people, process and projects across the lifecycle

Jazz Platform Architecture

■ Customizable client and server architecture

- Provides plug-in extension capabilities based on the Eclipse plug-in infrastructure.
- Provide Eclipse, Web (and Visual Studio) based clients

■ Open middleware interface

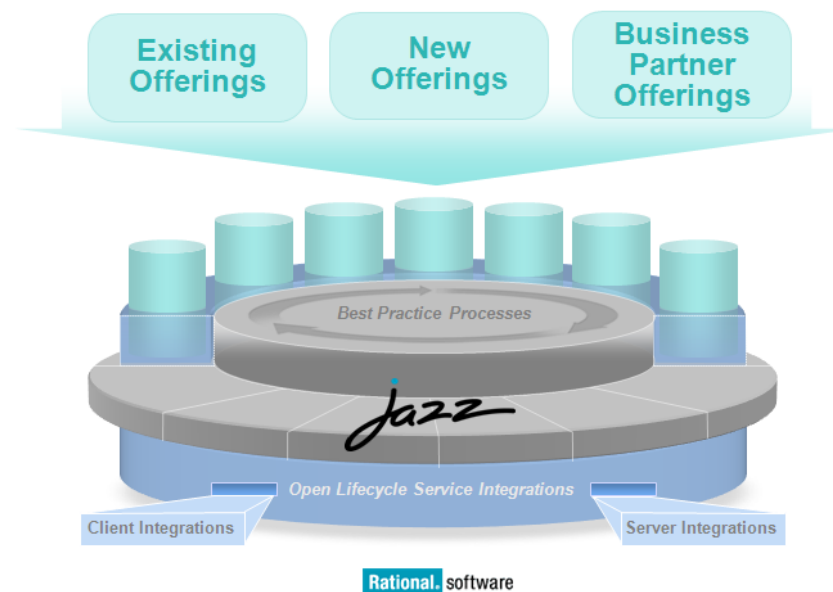
- Use with open source middleware-Tomcat™, Derby, Jabber® - and commercial middleware - WebSphere®, DB2®, Lotus SameTime and Oracle®.
- Scalable from 10 to 250 users per server

■ Flexible Administration Model

- Administer users, new projects, team processes and team, workgroup or enterprise-specific rules.

■ Connector framework

- Integrate with ClearCase, ClearQuest, and Subversion

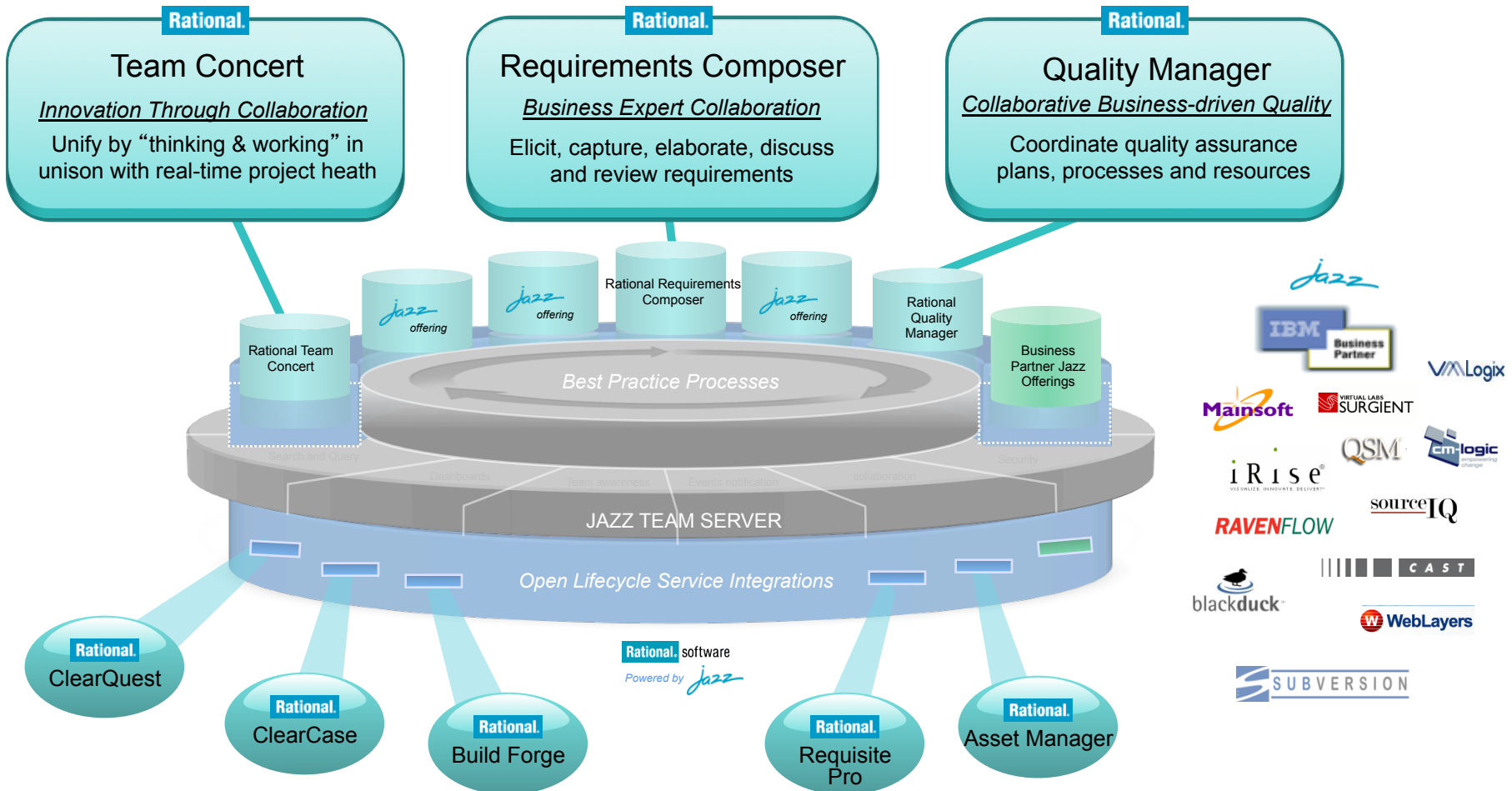




JAZZ FESTIVAL ROADSHOW

Introducing the first wave of new Jazz offerings

An evolution of value in Collaborative ALM bringing forward existing investments and delivering new innovative capabilities



IBM Rational Team Concert



Business value



Developer

- 100s users
- Deep tool/programming language knowledge
- Talks technology language
- Distributed teams



Contributor

- Team first
- Transparency
- Collaboration
- Integration

Collaborative Development

- Focus on development team productivity
 - Enables distributed development
- Flexible support for development processes
- Manage change in the application lifecycle

Source Code Management

- Workspaces
- Snapshots
- Baselines
- Change Sets
- Suspend changes
 - Component
 - Streams
- Bridges & Connectors

Work Items Management

- Iteration planning
- Attachments
- Audit trails
- Customize workflow**
- Connectors

Build Management

- Define builds
- Continuous integration
- Remote Build Server
- Bridges

Team Health

- Transparent development
- Team Central
- RSS/Atom Feeds
- Instant messaging
- Process enforcement and customization
 - Dashboards
 - Reports
 - Role-based Permissions

Team Collaboration

- View iteration plans and validate deliverable time lines
- Create, update, query and view disposition of development tasks
 - Overview of the resource utilization**
 - View personalized Dashboards**

IBM Rational Quality Manager

Quality management joins the jazz ensemble

- **Web-based Quality Management**
 - Included Dashboards, Test Management, Lab Management and Manual Testing on the Web
- **Comprehensive Test Planning**
 - Test Plan centric project approach
 - Ability to define complete Test Plans, customization per project/organization
- **Integrated Test Authoring & Execution**
 - Test Asset Reuse and Versioning
 - Optimized test execution schedules for maximum coverage
- **Collaboration & Communication**
 - In-context collaboration with Work Items
 - Review and approval processes
- **Reporting**
 - Continual team updates for accurate project status, in real time through all phases of testing, using personalized web dashboards
- **Test Lab Resource Management**
 - Automated test lab management for real and virtual machines



Open and extensible on



- ✓ Collaborate in context
- ✓ Right-size governance
- ✓ Day one productivity

IBM Rational Requirements Composer

Requirements Management and Definition

■ Requirements Definition

- Elicit, capture, review and discuss requirements using a variety of techniques and notations

■ Rich text capture

- Organize the web of information into documents
- Create and link requirements across documents and external sources

■ Business processes

- Sketch Processes, Tasks and Decision points, and link to Use cases, Business rules in BPMN notation

■ UI sketches and storyboards

- Capture Sketches and Storyboards, and update over project iterations
- Validate user experience requirements

■ Use Cases

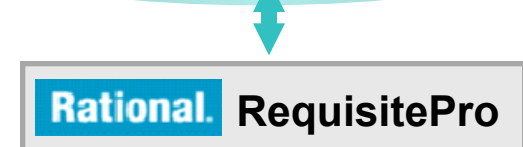
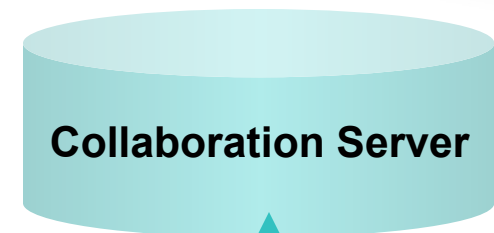
- Create informative diagrams
- Elaborate with rich document descriptions

■ Glossaries

- Promote consistency, clarity and correctness

■ Collaboration

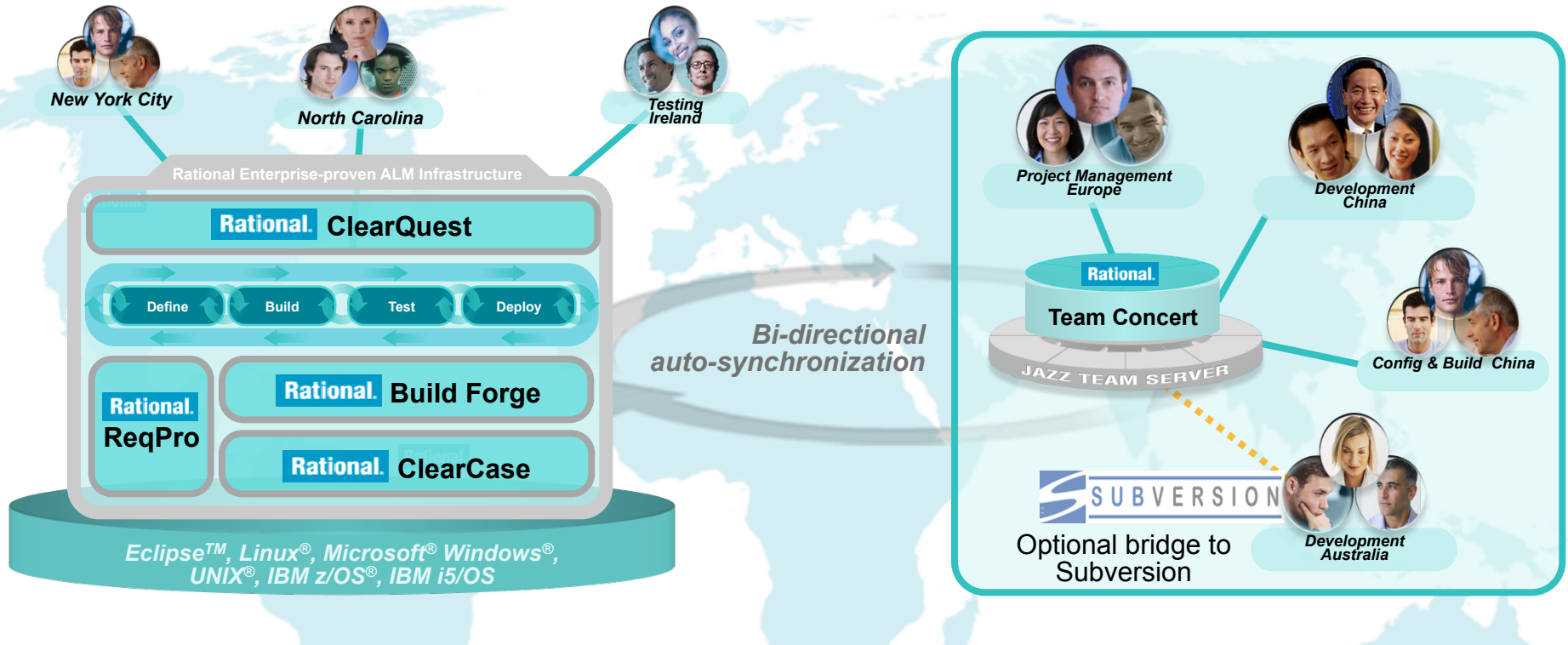
- Attach comments to elements and run comment threads for conversational context



Rational. RequisitePro

Global Development and Delivery

Unify distributed teams in mid-sized or enterprise settings



- Enables teams to connect to enterprise assets and processes in ClearCase/ClearQuest
- Developers can deliver work from “satellite” teams directly into enterprise ClearCase delivery chain
- Take advantage of new Collaborative ALM in an evolutionary way with lower business risk
- Use the “right-sized” governance solution in CQ and on Jazz for different projects needs.

An initiative aimed at simplifying collaboration across the software delivery lifecycle

*An open invitation to collaborate
on a common integration architecture
for software delivery*



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Barriers to sharing resources and assets across the software lifecycle

- ▶ Multiple vendors, open source projects, and in-house tools
- ▶ Private vocabularies, formats and stores

- ▶ A proposed architecture for sharing lifecycle resources
 - Described on Jazz.net through illustrative resource definitions, service implementations, and use cases
- ▶ Inspired by Internet architecture
 - Loosely coupled integration with “just enough” standardization
 - Common resource formats and services
- ▶ Innovation from the Jazz technology platform

Additional Jazz resources

- Participate in the open commercial development project

<http://jazz.net>

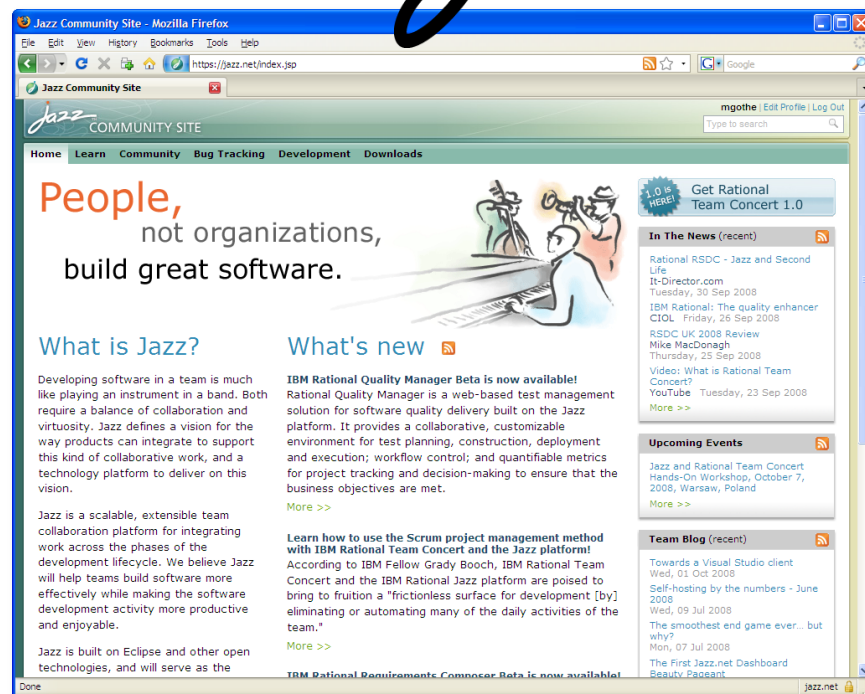
- Explore tutorials, demos and other developer learning resources

<http://ibm.com/developerworks/spaces/jazz>

- Learn more about the Jazz technology and the future IBM Rational product roadmap

<http://ibm.com/rational/jazz/roadmap>

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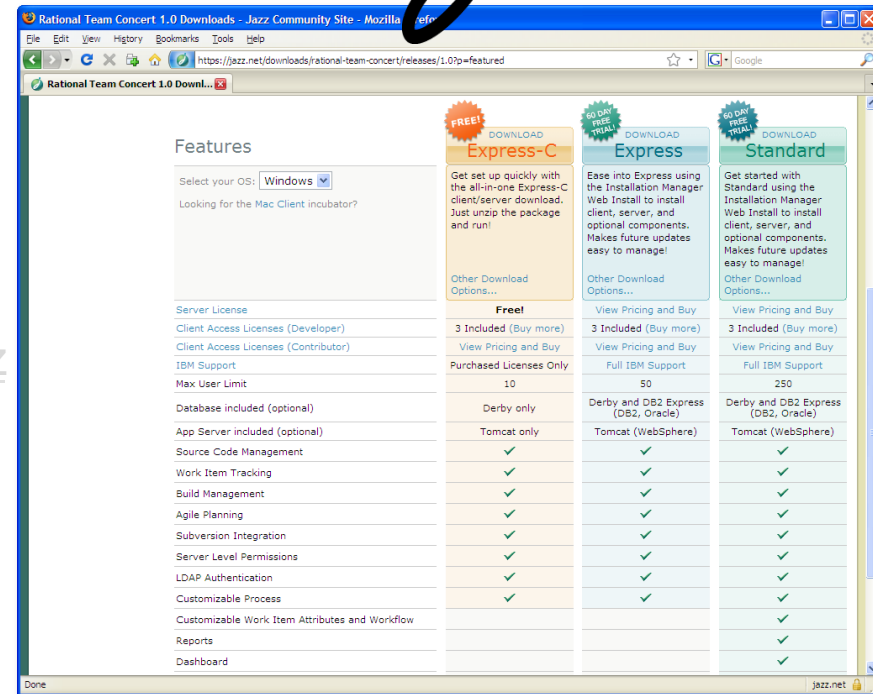
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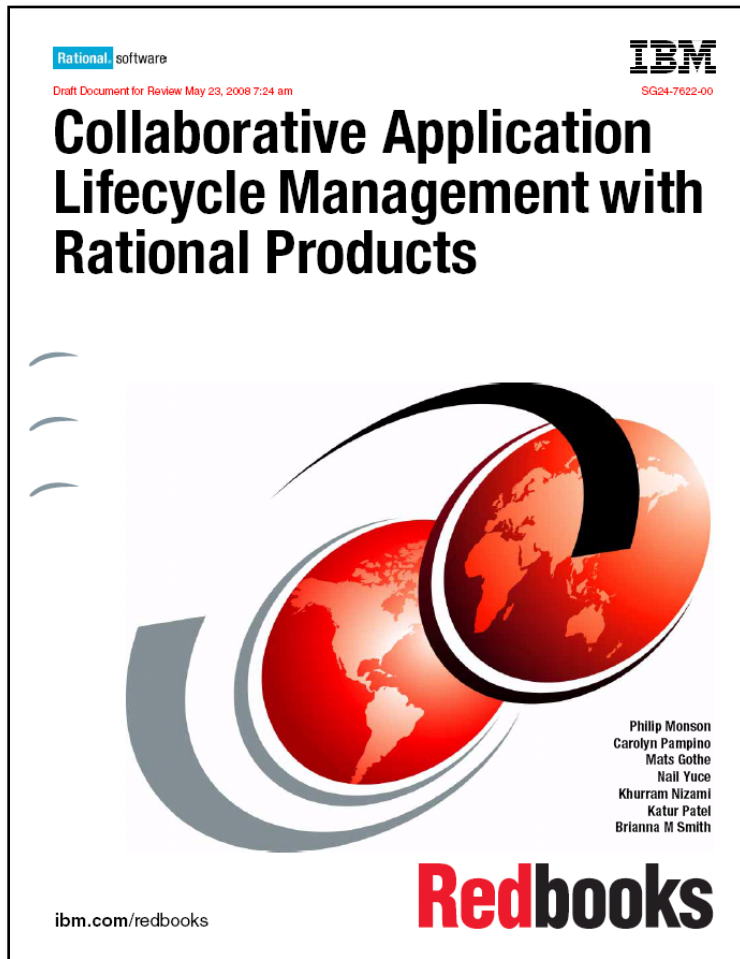
<http://ibm.com/rational/jazz/roadmap>

- Download and Try – Free Express-C version**

<http://jazz.net>



Collaborative Application Lifecycle Management Redbook



- The Redbook provides a **blueprint for Collaborative Application Lifecycle Management** by using an end-to-end reference scenario for deploying the new Rational products and '**Agility at Scale**' into an existing enterprise environment.
- **Outline**
 - Part A – Application Life Cycle Defined
 - Part B – Responding to a change request
 - Part C – Collaborative Development
 - Part D – Enterprise Integration Builds
 - Part E – Manage Quality
 - Part F – Solution Delivery
 - Part G - Measuring Team Success in ALM
- **Download from**
<http://www.redbooks.ibm.com/redpieces/abstracts/sg247622.html>