

**Rational.** software



IBM Rational Software  
Development Conference 2008

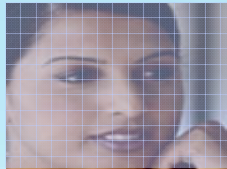
WHERE TEAMS ARE **R-HEROES**

**Martin Nally, IBM Fellow  
Rational CTO**

IBM Rational Jazz Platform  
and Collaboration



# What if Your Tools Knew and supported...



**Your Development Policies...**

- ✓ *Mandatory Peer reviews completed?*
- ✓ *Unit tests run? Code quality rules checked?*



**Who is on Your Team...**

- ✓ *How to assist new team members in getting started*



**When an error occurs ...**

- ✓ *Reliable history of who did what and why. Assistance to unwind or correct.*



**Accurate, real-time status of progress and quality**

- ✓ *Linkage of progress to plan, completion and quality trends*

***We Call This “Collaborative ALM”***



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# The defining challenge in collaborative software delivery

*Failure to communicate and collaborate across silos*

**2/3 of stakeholders are dissatisfied with the speed or quality of corporate software development**

**50% of outsourced projects are expected to underperform**

**Silos of people,  
process, and projects  
inhibit collaboration**

## **Geographic Barriers**

- Poor communication
- Language, culture and time differences
- Lengthy project and team member on-boarding
- High degree of friction across teams

## **Organizational Barriers**

- Lack of meaningful stakeholder input
- Process gaps resulting in errors and rework
- Poor LOB oversight
- Weak project governance

## **Infrastructure Barriers**

- Incompatible tools and repositories
- Unreliable access to common artifacts
- Brittle and inflexible tooling integrations

\*Forrester, Gartner



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# 5 C's of Collaborative ALM

- Pervasive Transparency
- 2-way Traceability
- Real-time Updates



**Key  
Success  
Indicators**

- Open Course Correction
- Incubators
- More, but controlled development

- Integration
- Feedback
- Planning
- Testing



- Common Services
- Integrated Repository
- Workflow Governance

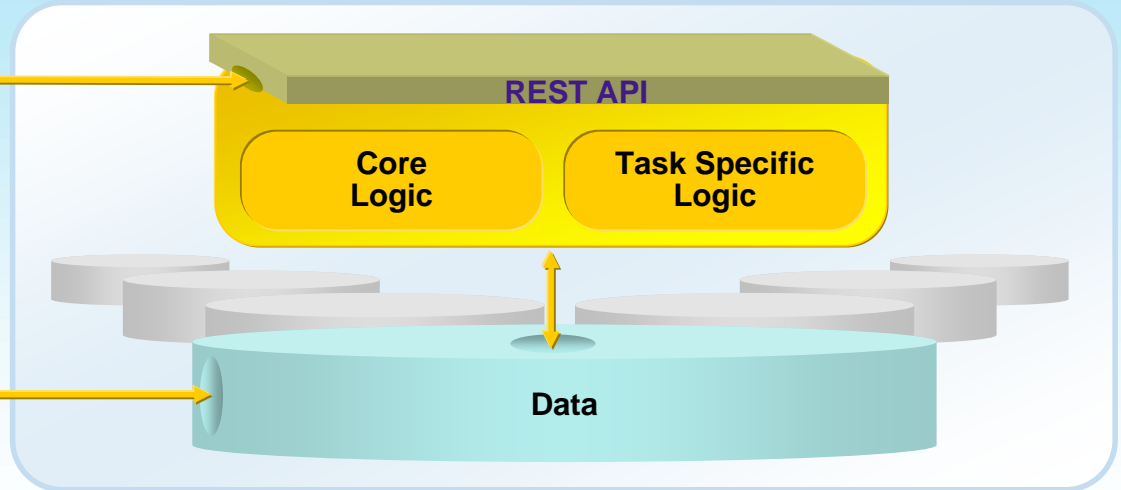
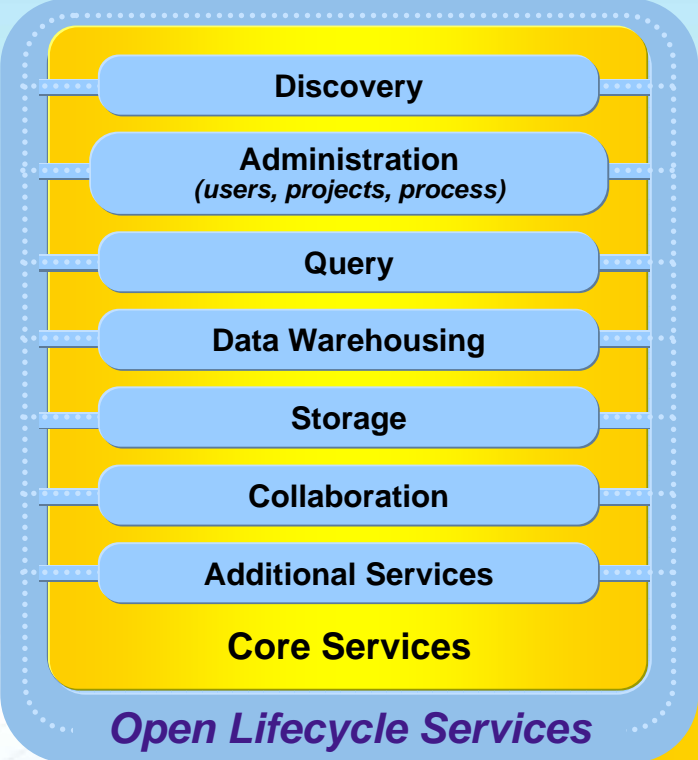
- No Fragmentation
- Instant Messaging
- Process-Aware



# Using The Internet As Inspiration To Embrace Flexible Architectures



Open Services for Lifecycle  
Collaboration Initiative



## Open Lifecycle Services

- ✓ Universal addressing and access
- ✓ Loose coupling
- ✓ Language neutral
- ✓ Tools independent

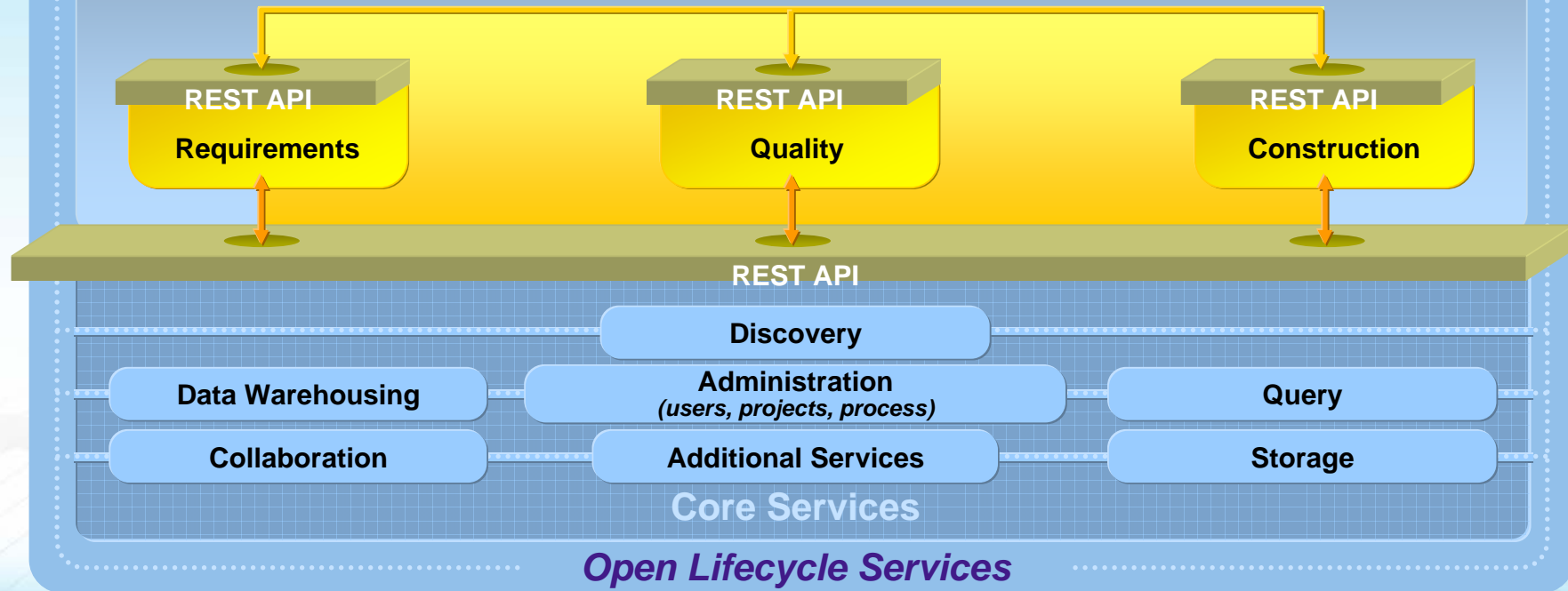


# Software Delivery Lifecycle

## Via Web-based Architecture

TEAM SERVER – *logical view*

*Software Delivery Lifecycle Services*  
*Data Specific Information Flow*



# Rational's Vision

*Open Web-centric Services based*

Existing Offerings

New Offerings

Business Partner Offerings

*Best Practice Processes*

*In-Context Collaboration*

TEAM SERVER

*Open Lifecycle Services*

## Client Integrations

- Eclipse
- Web 2.0
- Visual Studio (4Q)

## Server Integrations

- Existing Rational/Telelogic offerings
- Business partner offerings
- Open source offerings (Subversion, etc.)



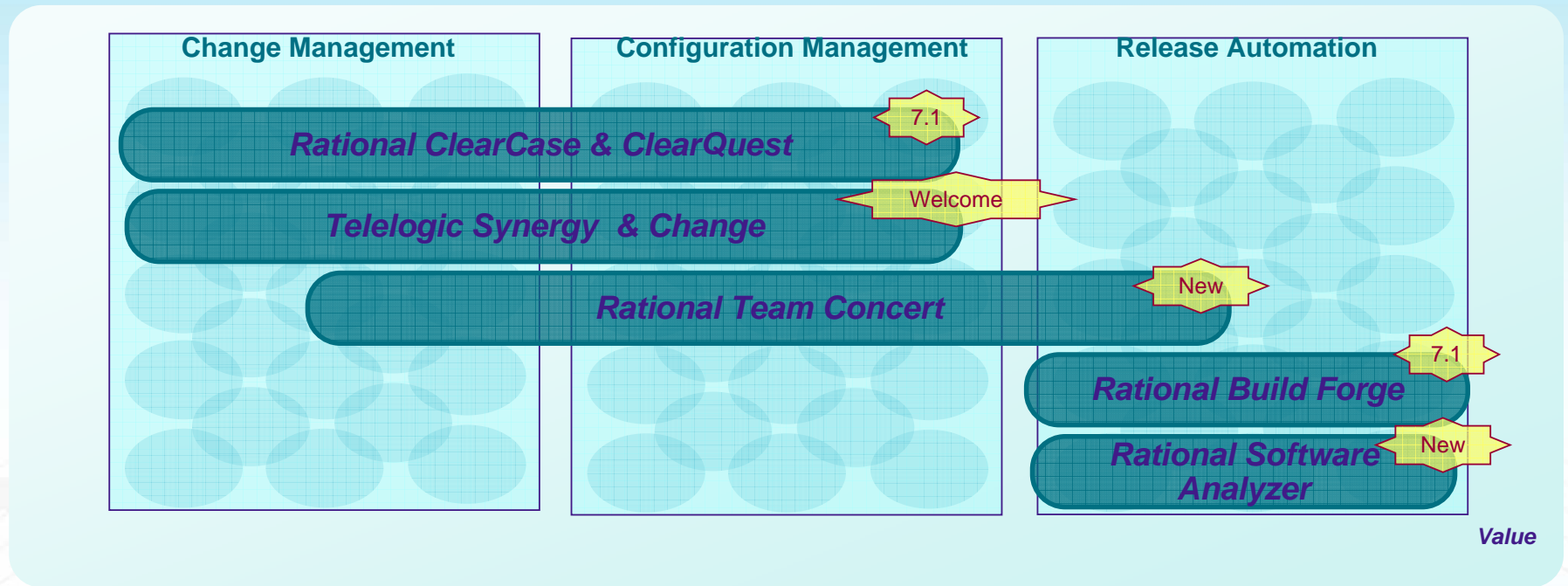
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# Rational Solutions for Change & Release Management

*New product and releases for 2008!*



## How Team Concert is Different

### Dynamic integration of

People

**Desktop/database integration** → Global integration  
**Function first** → Team first  
**Pre-determined tool function** → Dynamically extensible

Process

**Rigid rules** → Creative collaboration  
**Manual tasks** → Process aware and transparent  
**Proprietary infrastructure** → Internet standards

Projects

**Lengthy project onboarding** → Day one productivity  
**Hindsight analysis** → Continuous steering  
**Status guesstimates** → Real-time insight



...across the software lifecycle



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# Rational Team Concert Capabilities

## Build

- Integrated build and execution
- Real-time performance
- Single structured artifacts
- World-class offboarding sub-teams
- Role-based flexible definitions capabilities

- Work item and change set traceability
- Local or remote build servers
- Supports ant and command line tools
- Integration with build forge
- Build definitions for team and private builds

refining  
improvement  
renewal  
team work  
board  
ies

- Role-based operations of process and control



# Support Agile teams – and agile businesses

## IBM Rational Team Concert

### Agile Principles

#### Working Software

- Continuous integration
- Manage team assets
- Change driven development
- Integrated / traceable

#### Individuals / Interactions

- Starting ad-hoc teams
- Team awareness
- Process awareness
- Ad-hoc sharing of changes

#### Respond to Change

- Process flexibility
- Iterative planning and execution
- Multiple releases
- JIT code reviews

#### Customer Collaboration

- Transparent teams
- Approvals / validations
- Project status / health
- Context driven discussions



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# Extend team collaboration to a broader range of users, from business to software professional

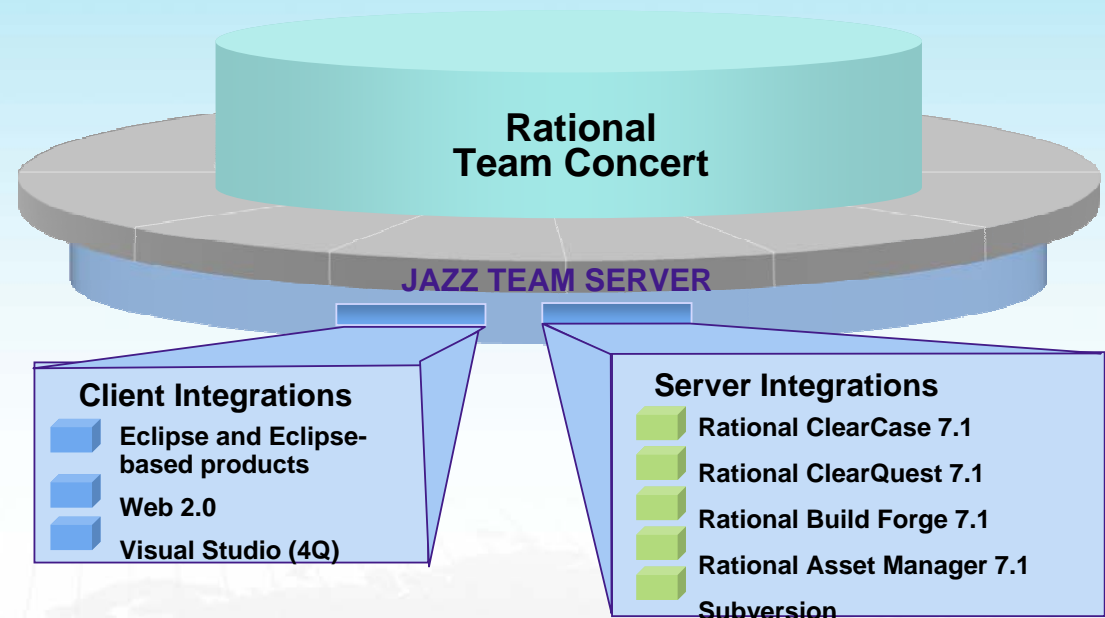
## Extend team collaboration today

- Unify team members using a variety of Eclipse or Web clients
- Support *any* Eclipse-based product, including Rational and open source products\*
- Extend the value of Rational tools in enterprise deployments
- Interoperate with Subversion change management solution

## Broaden your options in the future

- Unify teams in .Net environments
  - Visual Studio Client (Q408)
- Expand access to team documents and workflows
  - Microsoft SharePoint integration (Q408)
  - Lotus Quickr integration (Q408)
  - Support Lotus Mashups (Q408)
- Add enterprise build management
  - Build Forge integration (Q408)

\* This applies to Eclipse 3.3 and above





# QUESTIONS



# Collaborate with us

*Design Partner Program*

*Lab Advocacy Program*

*Board of Advisors*

*Voice of the Customer Events*

*Rational Software Development Conference*

*jazz.net*

*developerWorks*

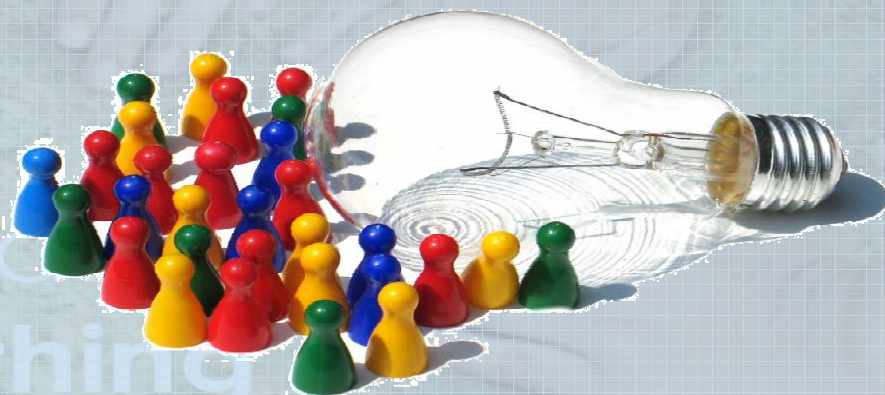
*Beta Programs*

*RFE Community*

*Rational User Groups*

→ Learn more at [www.ibm.com/software/rational/collaborate](http://www.ibm.com/software/rational/collaborate)

*Customer Acceleration Program*



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