



IBM Software Group

# Agilidade e Colaboração

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**Rational.** software

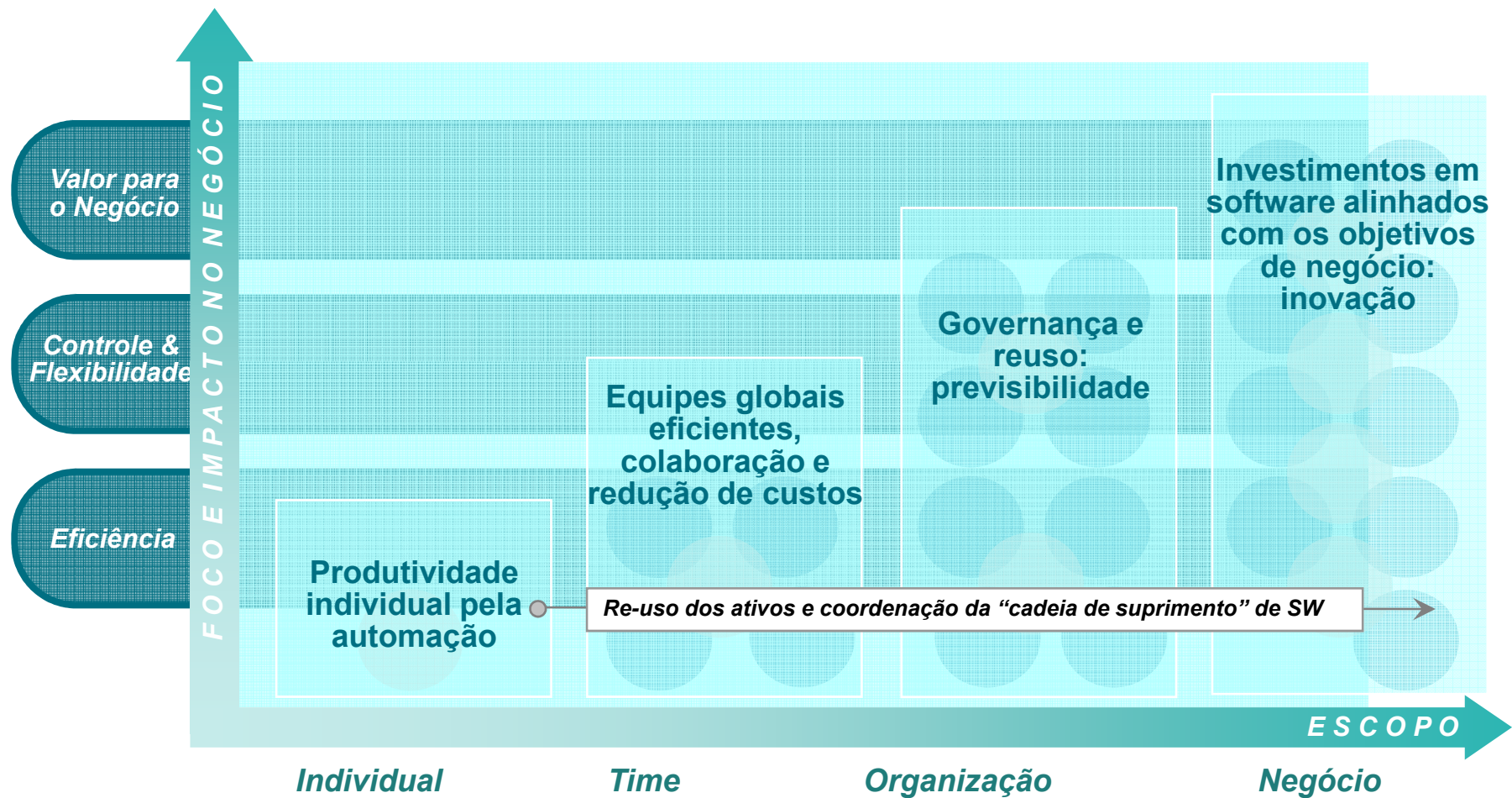


Innovation for a smarter planet

**Rational.** software

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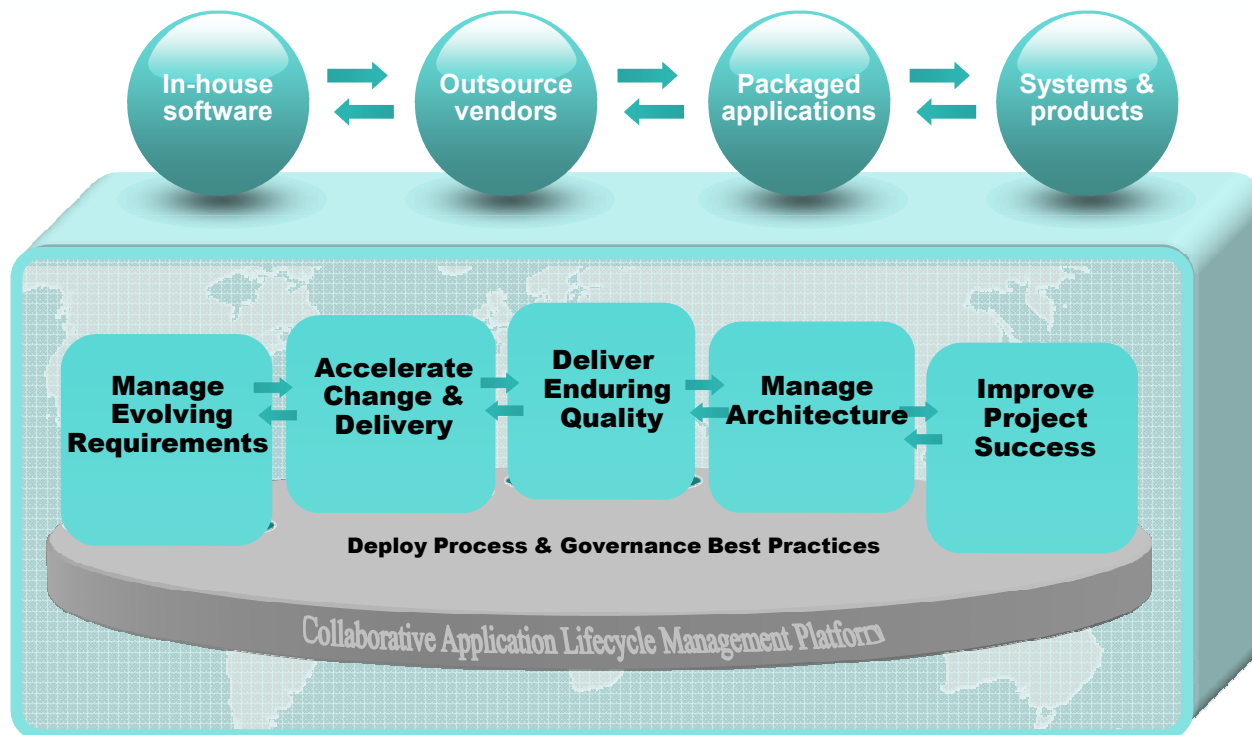
# As empresas estão amadurecendo suas estratégias de gerenciamento da entrega de software



# IBM Rational Software Delivery Platform

**Rational.** software

***Soluções** que ajudam às empresas a alcançar mais valor e melhor performance a partir dos seus investimentos em software*



- *Modernização do legado e das empresas*
- *Governança adequada*
- *Conhecimento e comunidades*
- *Serviços de implementação*

[Goto IBM](#)



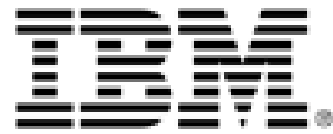


Software  
está em todo  
lugar !



# Rational e Telelogic: mais valor para nossos clientes

*Desenvolvimento de sistemas em um novo patamar*



**Principal força:  
Desenvolvimento de TI**

- Produtos líderes
- Penetração vertical nas indústrias
- Poder de investimento
- Liderança em Pesquisa & Desenvolvimento
- Especialista em Transformações Organizacionais
- Acesso Global



*An IBM Company*

**Principal Força:  
Desenvolvimento de Sistemas**

- Produtos líderes
  - ▶ Gerência de requisitos
  - ▶ Arquitetura Empresarial
  - ▶ Ferramentas para sistemas embarcados
- Soluções de industria em
  - ▶ Aeroespacial e Defesa
  - ▶ Automotiva
  - ▶ Telecomunicações



## Entretanto, ainda temos desafios



*“Apenas 37% dos consultados estão satisfeitos com a velocidade do desenvolvimento de software”*



*“Somente 42% dos usuários acham a qualidade satisfatória”*



*“50% dos projetos terceirizados performam abaixo do esperado”*

### **Silos de pessoas, processos e projetos**

#### **Barreira Geográficas**

- Comunicação deficiente
- Idioma, cultura, fuso horário
- Processo inadequado: retrabalho
- Interação difícil

#### **Barreiras Organizacionais**

- Falta colaboração
- Governança inadequada
- Falta conhecimento específico
- Pouca visibilidade para o pessoal de negócio
- Propriedade Intelectual

#### **Barreiras de Infra-estrutura**

- Ferramentas incompatíveis
- Acesso aos ativos não confiáveis
- Lentidão na inclusão de membros às equipes
- Integração de ferramentas inflexível





# A visão de uma plataforma que pode transformar a entrega de software

Uma incitativa de tecnologia aberta para transformar como as pessoas trabalham em conjunto para entregar mais valor e melhor performance a partir dos investimentos em software



- Robusta, extensível e escalável
- Globalmente distribuída, fluida e dinâmica
- Baseada na comunidade e aberta na Jazz.net

## Colaboração no Contexto

- Transparência “quem, o quê, quando, porquê”
- Constrói coesão e presença do time
- Fluxo automático – nada fica no “limbo”



## Governança Adequada

- Workflow automático
- Coleta de dados automática: redução do overhead
- Alertas e relatórios em tempo real: redução de risco



## Produtividade no primeiro dia

- Alocação dinâmica de times e projetos
- Planejamento das iterações e balanceamento dos trabalhos
- Unifica os times entorno das diversas ferramentas

***Integração em tempo-real de pessoas, processos e projetos durante todo o ciclo de vida***



## Das palavras às ações...

**Colaboração no Contexto**

Colaboração

- Menos reuniões e relatórios
- Redução do re-trabalho
- Maior aproveitamento dos especialistas e do conhecimento

**Governança Adequada**

Clareza

- É mais fácil ficar aderente aos padrões
- Detecção de resolução de defeitos antecipada
- Melhor previsibilidade dos projetos

**Produtividade no primeiro dia**

Continuidade

- Início do projeto em dias, não semanas
- Redução do tempo até a primeira demo
- Melhora o ciclos com o uso de padrões, serviços e arquiteturas

**Arquitetura aberta e extensível**

Comunidade

- Desenvolvimento Viral, mas controlado
- Comunidade expandida
- Fácil integração – liberdade de escolha





# Evolução no gerenciamento corporativo de mudanças e releases

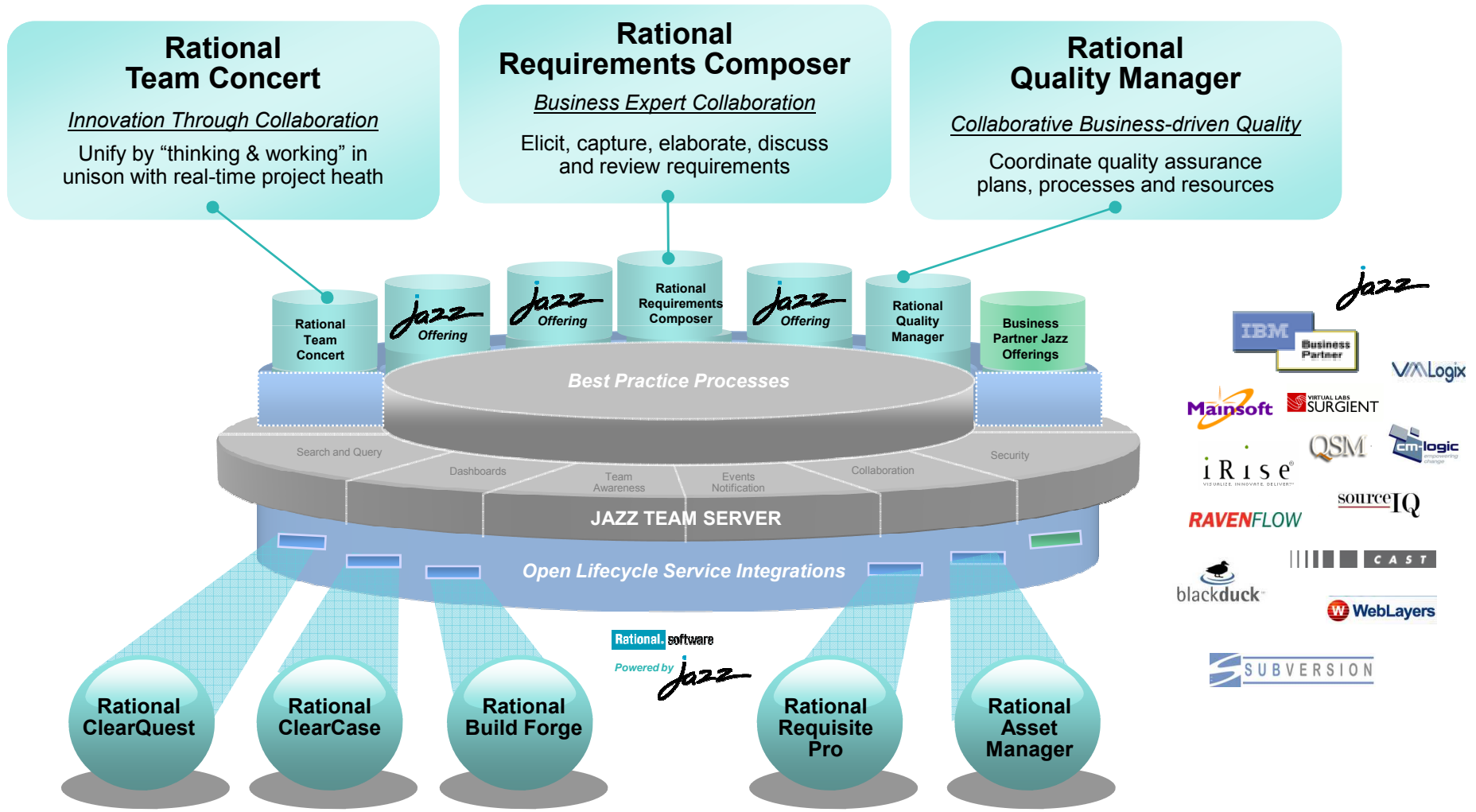
Atingindo um novo patamar de integração, escalabilidade, segurança, performance e usabilidade



	Rational ClearQuest <b>New!</b> Enhancements	Rational ClearCase <b>New!</b> Enhancements
<b>Colaboração no Contexto</b>	<ul style="list-style-type: none"> <li>Sincroniza o Work item com Team Concert (Jazz)</li> <li>Novo cliente web (web 2.0)</li> </ul>	<ul style="list-style-type: none"> <li>Vistas e filtros de projetos compartilhados</li> <li>Implementação acelerada com a integração com o planejamento das iterações com o Team Concert (Jazz)</li> </ul>
<b>Governança Adequada</b>	<ul style="list-style-type: none"> <li>Compliance, segurança granular e listas de acesso de controle</li> <li>Suporte a times remotos com relatórios</li> </ul>	<ul style="list-style-type: none"> <li>Monitoração &amp; server uptime view global, 24/7</li> <li>Reações antecipadas com a customização de eventos</li> </ul>
<b>Produtividade no primeiro dia</b>	<ul style="list-style-type: none"> <li>Out-of-the-box ALM Schema – jump start complete lifecycle support</li> </ul>	<ul style="list-style-type: none"> <li>Suporte a processos ágeis</li> <li>Alta escalabilidade – trata 500 usuários</li> </ul>



# Expanding o Application Lifecycle Management Colaborativo



# Rational Team Concert: Inovação via colaboração

- **Colaboração no contexto e em tempo real**
  - ▶ Desenvolvimento de software mais transparente e previsível
- **“Pense e trabalhe em uníssono”**
  - ▶ Controle de fontes, *work items* e gerencia de *builds* integrados
- **Cheque a saúde do projeto em tempo real**
  - ▶ Capture dados automaticamente
- **Automatize as melhores práticas**
  - ▶ Processos dinâmicos aceleram o fluxo de trabalho dos times
  - ▶ Processos “Out-of-the-box” ou customizados
- **Una as equipes**
  - ▶ Integra um conjunto amplo de ferramentas
  - ▶ Amplie o valor do ClearQuest e do ClearCase
  - ▶ Suporte para System z (2009) e System i (3Q)

Open and extensible on



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



**IBM Rational Team Concert**

transparent *integrated presence*  
wikis OPEN real-time reporting  
chat automated hand-offs Web 2.0  
*custom dashboards* automated data gathering  
**EXTENSIBILITY** Eclipse plug-ins services  
architecture **FREEDOM TO CREATE**

JAZZ TEAM SERVER





# Rational Team Concert

## Express-C

### Consultores & Academia

- Colaboração no contexto
- Middleware aberto
- Até 10 usuários por servidor

## Express

### Mid-sized & departmental

- Desenvolvimento transparente
- Processos “Out-of-the-box”
- Middleware comercial
- Até 50 usuários por servidor

## Standard

### Times Corporativos

- Processo customizável
- Saúde do projeto em TR
- LDAP admin
- Escala empresarial
- Até 250 usuários por servidor

## Enterprise

### Implementações corporativa

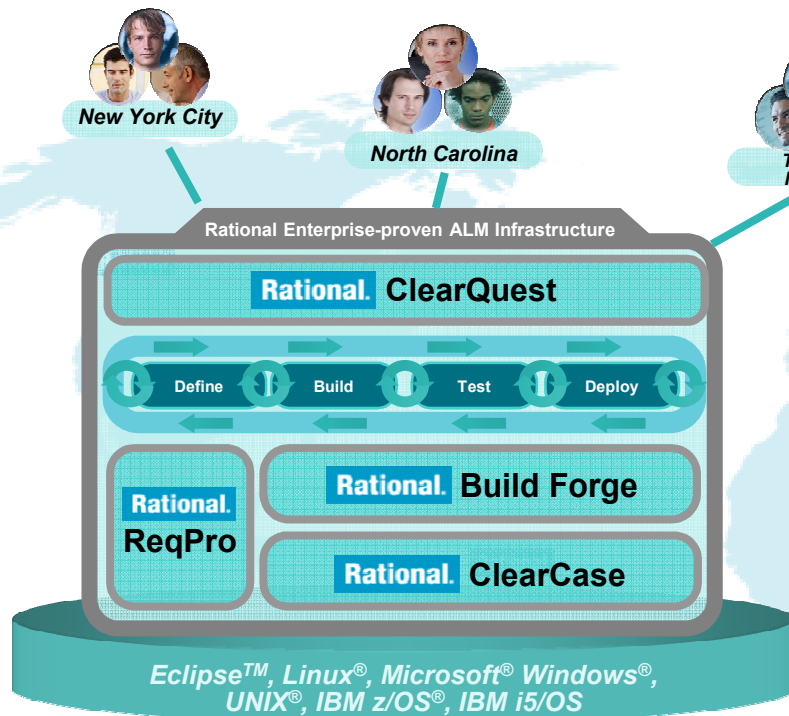
- Enterprise optimized extensions
- Integrated ClearCase, ClearQuest Build Forge
- Enterprise scale, security, governance & provisioning

Eclipse™, Linux®, MS Windows®, UNIX® - z/OS® (1H 09) & i5/OS (3Q) w/ native asset & work item mgmnt



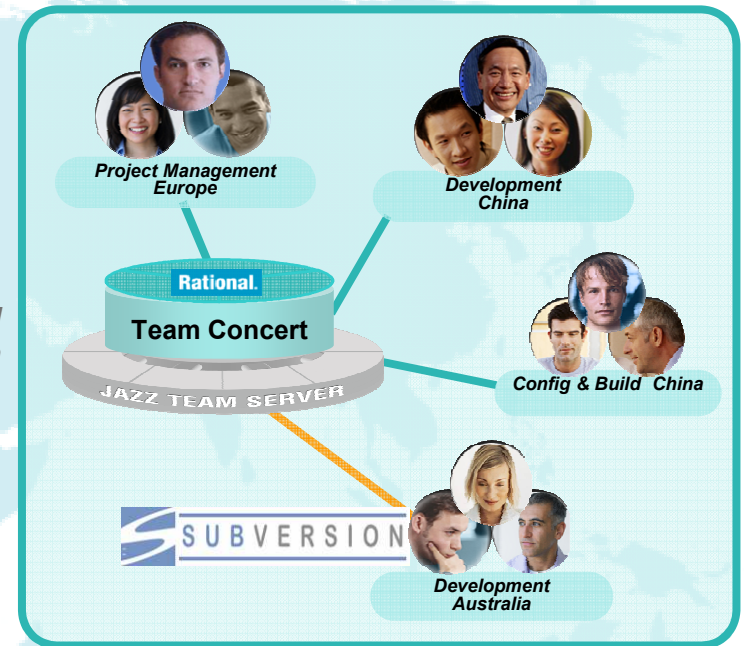


# Unifique times distribuídos em ambientes corporativos



*Bi-directional auto-synchronization*

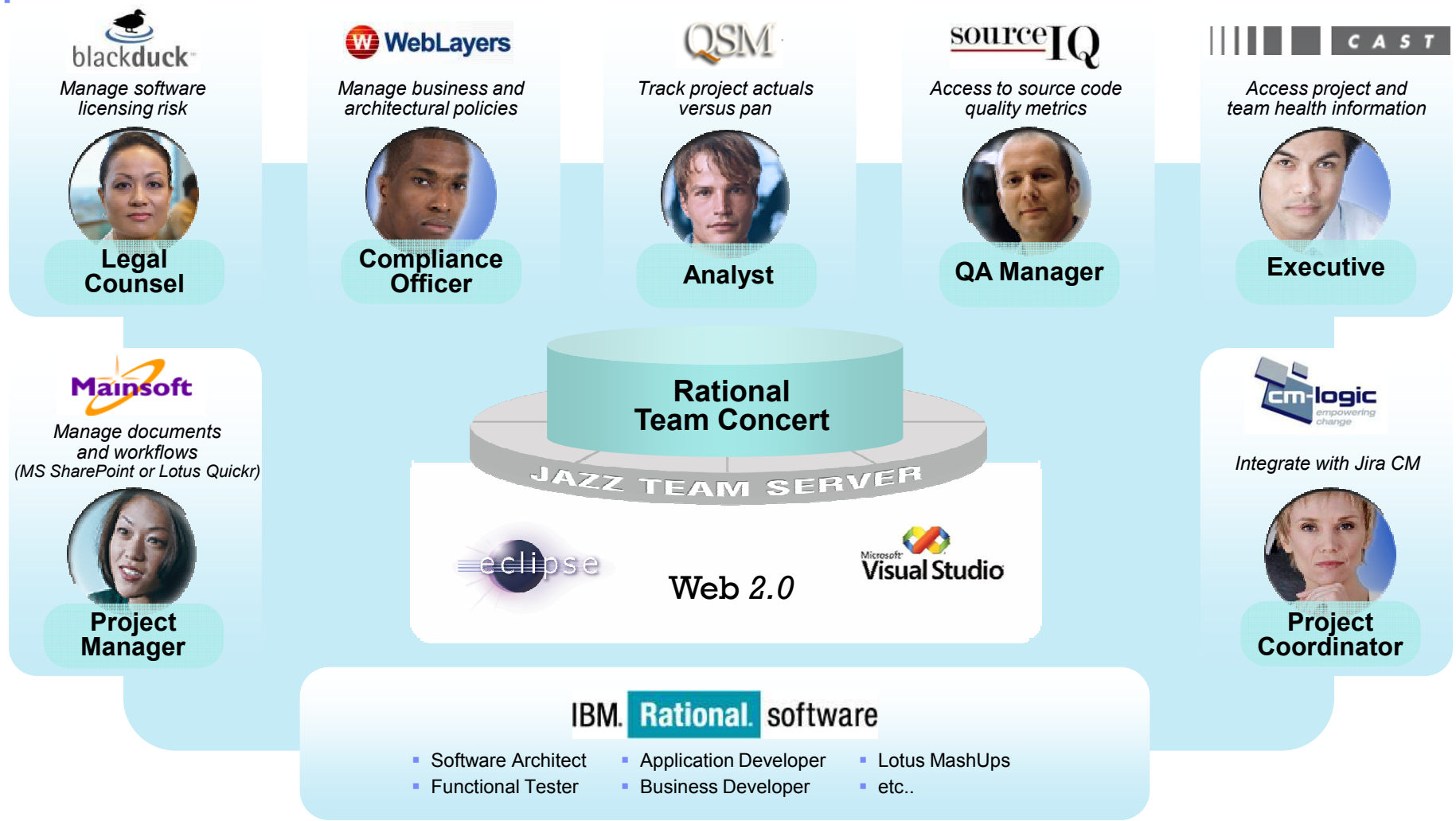
A complete, standalone solution for departmental and medium-sized distributed teams



- Suporta departamentos ou projetos “satélites” ou “ágeis” opcionalmente integrados à infraestrutura da Rational de ALM corporativa
- Amplia as ofertas de ALM com novas funções de colaboração e processos



# Amplie a colaboração para um largo espectro de profissionais



Public Beta available June 2008 on *jazz*.net

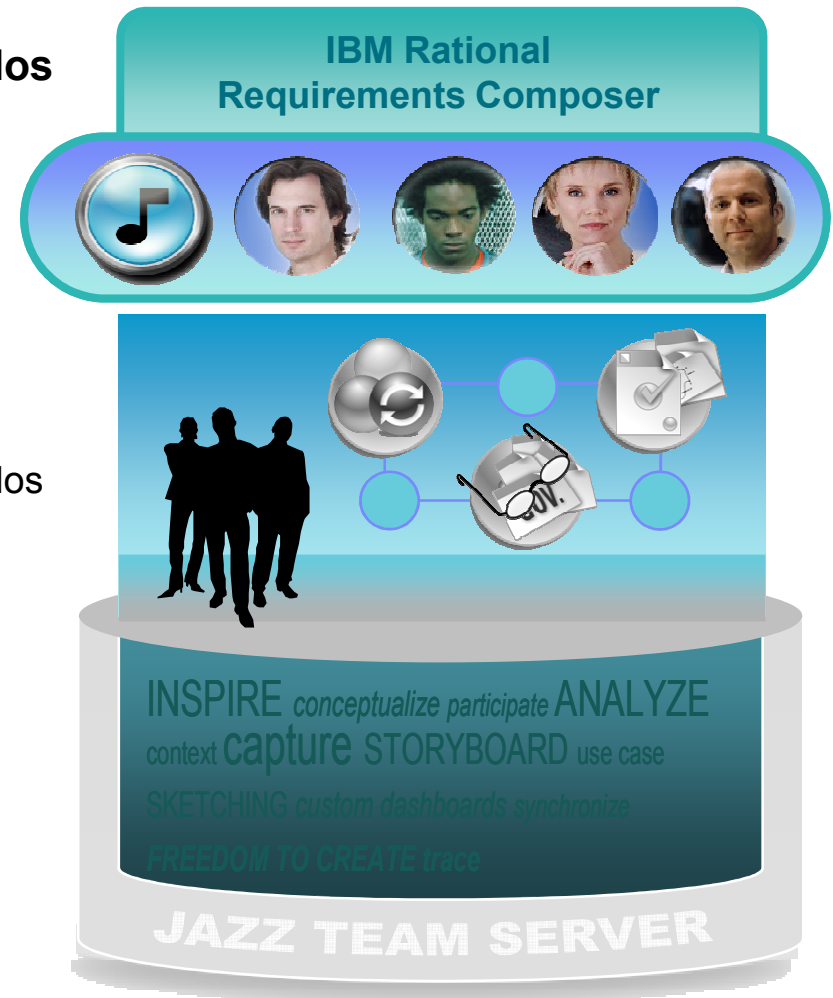
## Colaborando com quem conhece o negócio

- **Construindo consenso com todos os interessados**
  - ▶ Colabore para capturar, elaborar e revisar requisitos
- **Use técnicas conhecidas e poderosas**
  - ▶ Defina requisitos iterativamente usando business storyboards, sketches, cenários e modelos
- **Visualize acordos para reduzir re-trabalho**
- **Organize, pesquise e rastreie requisitos**
  - ▶ Links rastreáveis entre requisitos, casos de teste, modelos e solicitações de mudança, etc.
  - ▶ Links sincronizados colocam os requisitos no contexto
- **Eficiente e extensível**
  - ▶ Web access com stilo de colaboração Web 2.0
  - ▶ Fácil de usar e implementar

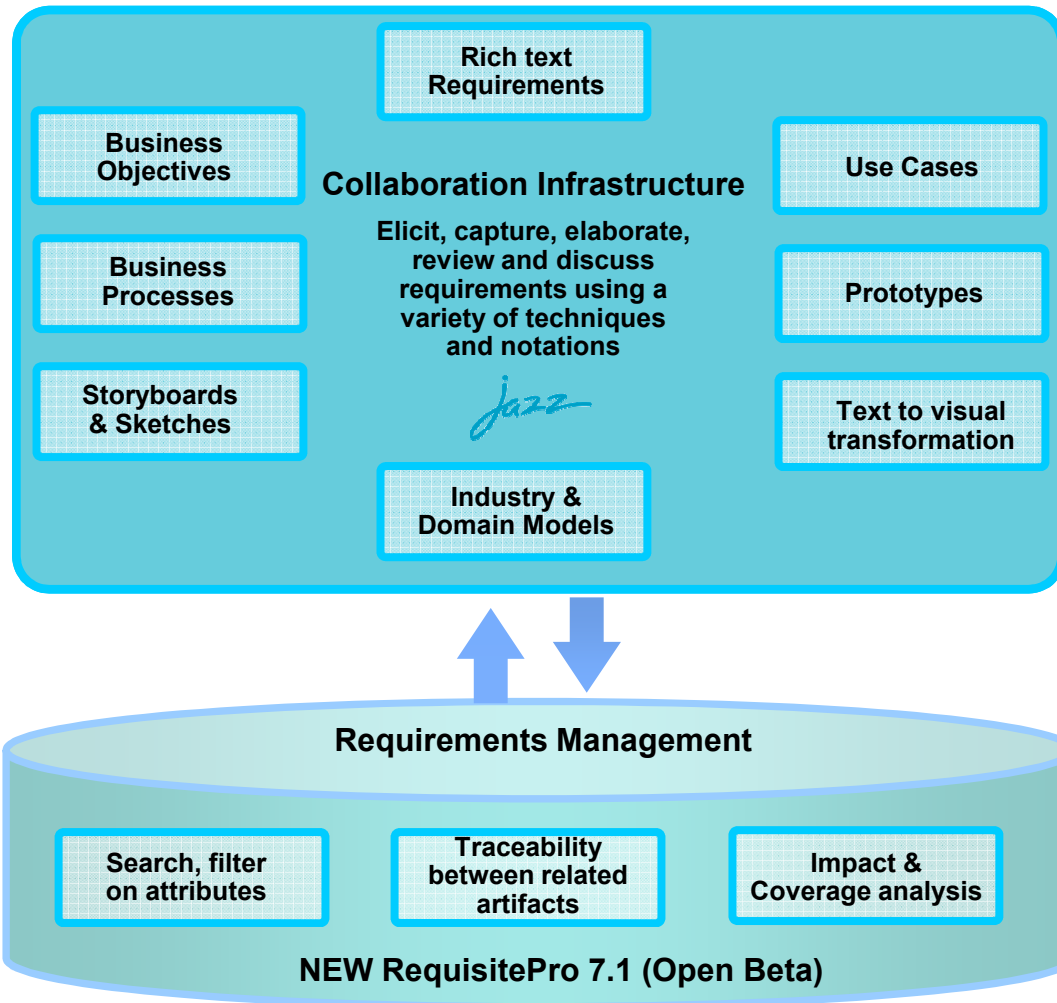
Open and extensible on



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- ✓ Day one productivity



# Rational Requirements Composer





# Requirements Composer, para onde estamos indo...

## Rich Authoring Environment

**Rich Text Requirements**

**Use Cases**

**Glossaries**

**UI Sketching and Storyboarding**

**Process Sketching**

**Account Opening**

**General**

- Thoughts and Ideas
- Goals and Objectives
- Stakeholder Requirements
- Issues and Risks

**Use Cases and Storyboards**

- Asks New Account Use Case Diagram
- Table New Account Use Case Diagram
- Login Storyboard

## Web Review and Approval

**JKE Account Opening Description**

Check Search: Enter search criteria

This JKE account opening process consists of the following high level tasks:

- User fills out an application form
- User submits form to branch office
- Branch office data processor enters data for the form into the central computer
- Main office data processor verifies data for the form into the central computer
- Main office account opening officer checks the following items:
  - credit check with Equifax
  - with minimum balances are met
  - use specific open terminals to determine the type of account to be offered

- Wiki style interface
- Categorize / Tag
- Comment
- Review / Approve



- Share work instantly
- Users / teams / authorizations
- Linking between all artifacts
- Versioning



# Qualidade colaborativa direcionada pelo negócio

Public Beta available June 2008 on *jazz*.net



- **Portal de qualidade com gerenciamento automático de plano de testes**
  - ▶ Um 'hub' unindo os times de teste e de implementação
  - ▶ Rastreabilidade entre objetivos de negócios, casos de teste, recursos, defeitos e critérios de aceitação
- **Guias contextualizados**
  - ▶ Prioriza dinamicamente a resolução de problemas por responsabilidade
- **Coleta de dados e análise de padrões**
  - ▶ Elimina documentação manual
  - ▶ Aumenta a utilização de ativos com a automação do gerenciamento da infra-estrutura de testes
- **Eficiente e extensível**
  - ▶ Acesso web com estilo Web 2.0
  - ▶ Re-use ativos de teste próprios, de parceiros e de fornecedores
  - ▶ Arquitetura expansível por plug-ins



Open and extensible on

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



# Rational Quality Manager

**Test Management** is the process engine that ties the entire testing lifecycle together and communicates it in business terms.

**Requirements**

**Quality Management Portal**

**Defects**

- 1000's of users
- Web-based UI
- No Java experience
- Knows app domain
- Talks business language

## Quality Assurance Planning and Management

- Control the planning and ongoing status of the test project
- Responsible for effective execution of test and resources

### Tester

- Develops automated tests
- 100's of users
- Deep tool/programming knowledge
- Talks technology language

### Test Planning

- Specify test type
- Project requirements
- Platforms
- Team roles
- Test cases
- Quality exit criteria
- Schedules

### Test Construction

- Build test scripts
- Create manual tests
- Specify test environment

### Test Lab Setup

- Identify build location
- Specify lab request
- Pick test tools
- Run cases
- Deploy software

### Test Execution

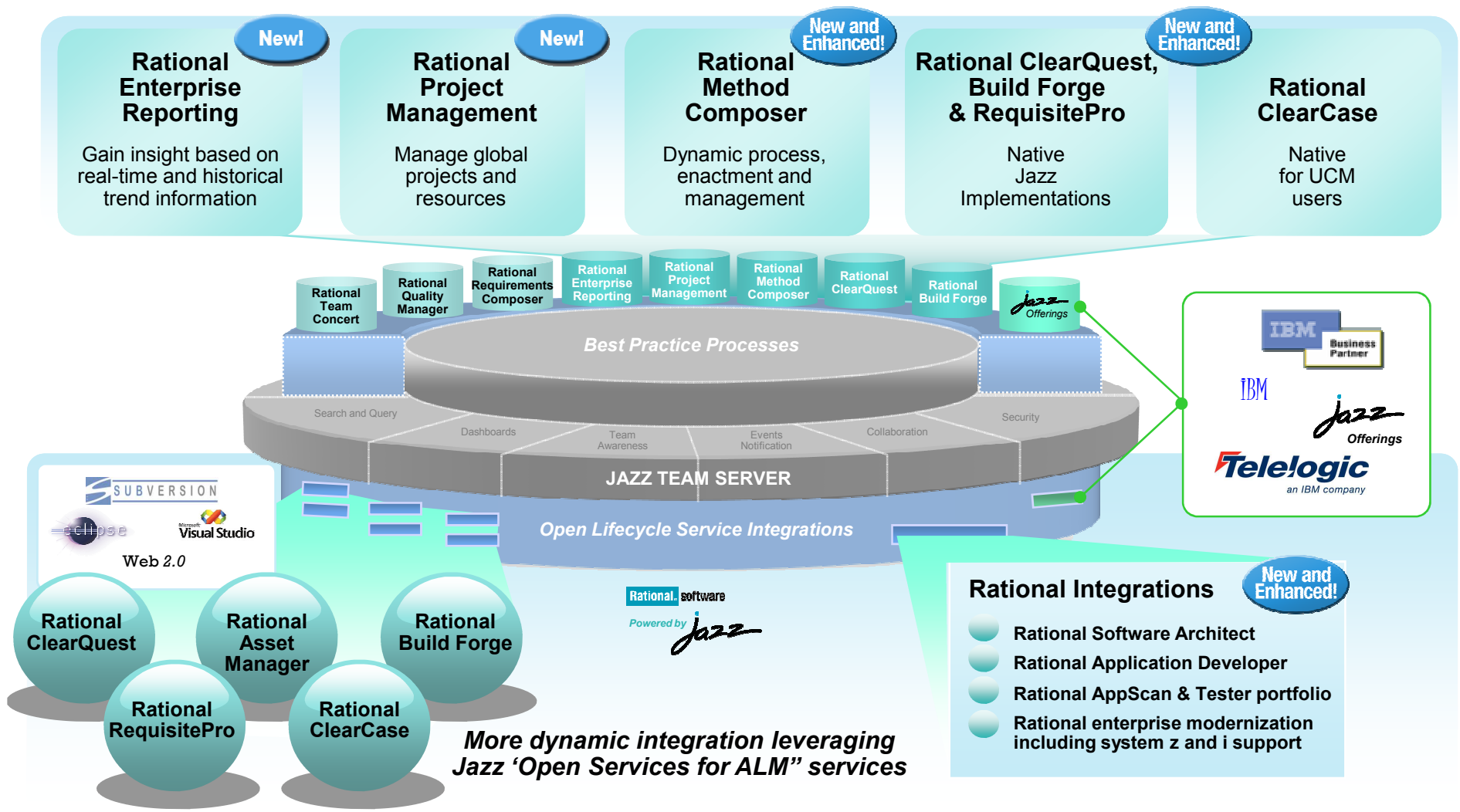
- Execute UI test
- Execute
- Report real time progress
- Create log files

### Test Analysis

- Examine test results
- Recommend actions
- Code scanning
- Error analysis
- Run time analysis



# A estrada pela frente....







**PARTICIPE**  
**JAZZ.NET**



# People, not organizations, build great software.



## What is Jazz?

Developing software in a team is much like playing an instrument in a band. Both require a balance of collaboration and virtuosity. Jazz defines a vision for the way products can integrate to support this kind of collaborative work, and a technology platform to deliver on this vision.

Jazz is an IBM Rational project to build a scalable, extensible team collaboration platform for integrating work across the phases of the development lifecycle. We believe Jazz will help teams build software more effectively while making the software development activity more productive and enjoyable.

[More about the Rational Jazz Project >>](#)

## What's new

### Open Services for Lifecycle Collaboration

The Open Services for Lifecycle Collaboration initiative is aimed at simplifying collaboration across the software delivery lifecycle. Its goal is to enable teams to use disparate tools and share lifecycle resources in delivering software, whether the tools are from IBM, other vendors, open source projects, or in-house development, and to do so in a way that is open and non-proprietary and that will encourage all industry members to participate.

### Rational Team Concert RC4 is now available!

Rational Team Concert is a collaborative software development environment that integrates Source Control, Work Item, and Build Management with Agile Planning and Customizable Process and Workflow. [Register now](#) to access the community site and download RC4.

### How Do I Join?

Jazz.net is now open to everyone! Join the Jazz community and get access to product betas and other early Jazz technology.

[Register now!](#)

Why register? Watch the "Tour of Jazz.net" video.

Forgot your user ID or password?

### In The News (recent)

[When can you get the Jazz based Rational Tools?](#)

Mike MacDonagh's Blog  
Thursday, 12 June 2008

[IBM Rational Takes 'Jazz' Collaboration Suite on a Roll](#)  
Integration Developer News  
Monday, 9 June 2008

[IBM seeks consensus on ALM architecture](#)  
InfoWorld Thursday, 5 June 2008

[IBM Gets Jazzy with Web 2.0](#)  
eWeek Monday, 2 June 2008

[More >>](#)

Dashboard: Jazz Project Dashboard > Home - IBM Rational Team Concert - Mozilla Firefox: IBM Edition

File Edit View History Bookmarks Tools Help

Rational Team Concert Your Trial License expires in 55 days | Roberto Argento | Log Out

Jazz Project

Home Project Areas **Dashboards** Work Items Iteration Plans Reports Help

Type to search

**Create Dashboard**

Recently Viewed

- Jazz Project

Shared Dashboards


- My Profile
- Jazz Project**
- All Dashboards

All Dashboards >

## Jazz Project Dashboard

Home Trend Reports Feeds

### Welcome



Welcome to the Jazz Project dashboard. You can visit this space often to monitor all the vital signs of the Jazz Project at a glance, fed by the live data from the repository.

Most development activity is currently taking place in the **Jazz Development** team area. This is the Jazz Development dashboard.

#### Jazz Project Description

Process enabled team collaboration platform

The goal of the Jazz project is to build a scalable, extensible team collaboration platform for seamlessly integrating tasks across the software lifecycle. The new technology is called the Jazz Platform. The Jazz project is defining the overall architecture of the Jazz Platform, and building an initial set of Jazz components that plug in to the Jazz Platform.

The work in the Jazz project is divided into development work and maintenance work. Development work produces a consecutive line of releases. Maintenance work produces bug fix releases of the released produced by the development work.

Development as well as maintenance work is overseen by the PMC. The team members listed in this project area constitute the PMC.

#### Useful Links

Wiki

- Planning
- Release Engineering
- Developer Setup
- Project Documents
- Weekly Status

#### Server Status

Database: **Connected**

Services: **Ok**

Memory: 51% free of 578MB allocated / 1000MB Max

Version: 1.0 (I20080613-1610)

Uptime: 19 hours, 50 minutes

#### Jazz Project Teams (51)

- Jazz Development
- Jazz Maintenance

#### Jazz Team Blog (10 new)

My Top 4 Favorite Team Concert Features - Last Week

Open Services for Lifecycle Collaboration - Last Week

Rational Software Development Conference 2008 - Wednesday Jun 5, 2008

Rational Software Development Conference 2008 - Tuesday Jun 4, 2008

Page 1 of 3



# Rational Team Concert

Jazz Project

Home Project Areas **Dashboards** Work Items Iteration Plans Reports

Help

Type to search

All Dashboards >

## Jazz Project Dashboard

Home Trend Reports Feeds

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### Recently Viewed

Jazz Project

### Shared Dashboards

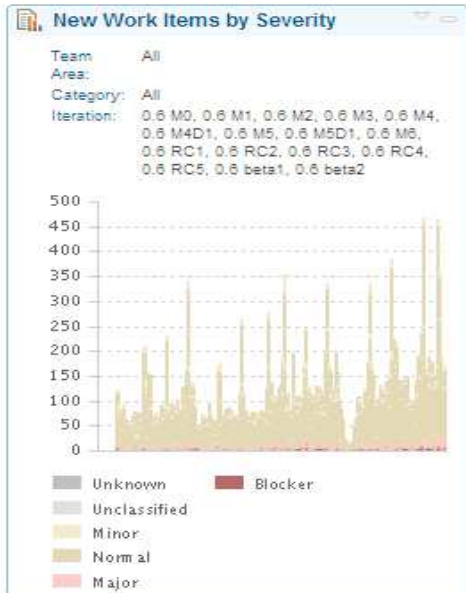
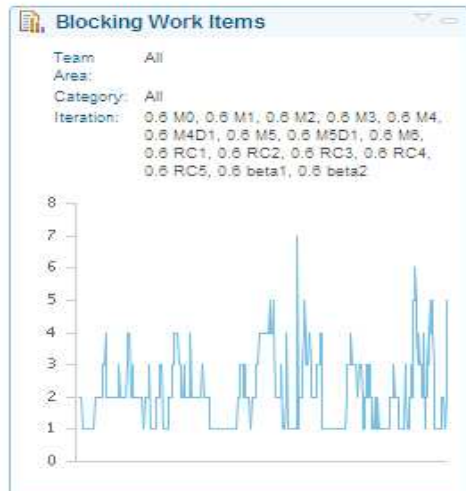
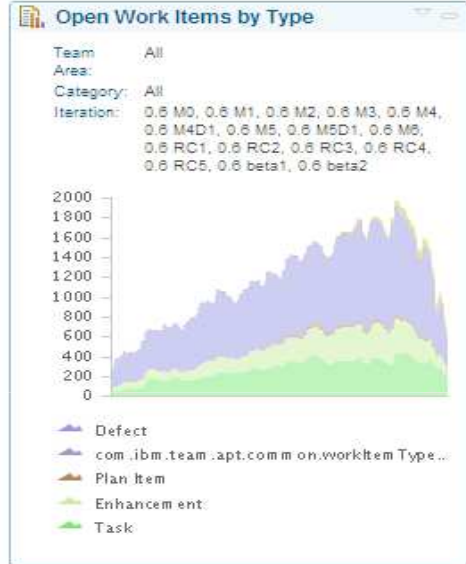
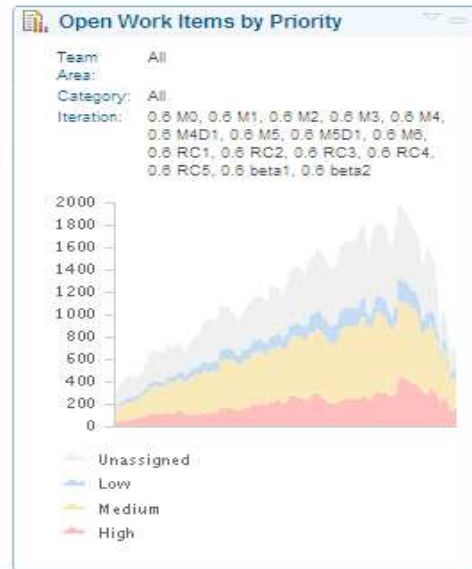
My Profile

Jazz Project

All Dashboards

#### Recently modified (132) Tags

1.1candidate article cq doc errorhandling installation\_manager jazzlabs leak license linux maintenancandidate messages patch performance **svt** svt\_mfdefects svt\_spt teamadvisor technote **troubleshooting** usability welcome wikidoc ziseris





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Jazz Project

Home Project Areas **Dashboards** Work Items Iteration Plans Reports Help

Type to search

All Dashboards >

## Jazz Project Dashboard

Home Trend Reports **Feeds**

**Recently Viewed**

- Jazz Project

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- All Dashboards

**Jazz News** (33 new)

When can you get the Jazz based Rational Tools? Last Week

IBM Rational Takes 'Jazz' Collaboration Suite on a Roll Last Week

IBM seeks consensus on ALM architecture Jun 5, 2008

IBM Gets Jazzy with Web 2.0 Jun 2, 2008

IBM Rational's Big-Band Jazz Release Jun 2, 2008

IBM Reveals Jazz Product Launch Wave Jun 1, 2008

IBM Adds Social Networking To Rational Team Development May 31, 2008

IBM Rational Team Concert for i and IBM Rational Team Concert for System z Future Beta Programs May 29, 2008

Page 1 of 5

**Eclipse News** (10 new)

Eclipse Ganymede: An in-depth look at Equinox p2 (Provisioning Platform) 10 hours ago

Eclipse projects squeeze into record Summer fun pack Yesterday

Eclipse framework overshadowing proprietary embedded tools Last Week

Hundreds of Developers Enter Skyway Software's Developer Contest Last Week

Umfrage: Open Source in Unternehmen auf dem Vormarsch Jun 5, 2008

Embed the NASA World Wind Java SDK in Eclipse Jun 4, 2008

Developing iPhone applications using Ruby on Rails and Eclipse, Part 1: Jun 4, 2008

We Are Doing So Much More Than Just Java Tools: Milinkovich Jun 3, 2008

Page 1 of 2

**Jazz Project Builds**

- Succeeded: continuous.reporting.jazz.C20080617-1621 10 minutes ago
- Succeeded: continuous.ua.jazz.C20080617-1641 2 hours ago

**Jazz Project Event Log** (99 new)

- [4] License files in RTC GA builds need to be renamed and moved to avoid filename conflicts (58388) 30 minutes ago
- [6] License files in incubator builds need to be moved to correlate with GA builds (58390) 30 minutes ago
- [2] No launch option gets displayed in the IM for the "Server Setup Guide" under Windows Vista at th ... (51424) 45 minutes ago
- [3] Need to change presentation of licenses in Installation Manager (58325) 45 minutes ago
- [7] db2 install fails on linux if no libstdc++.so.5 is available (58315) 1 hour ago
- Sonia Dimitrov delivered '58390: License files in incubator builds need to be moved to correlate with GA builds' to Weekly Jazz Integration 1 hour ago
- Sonia Dimitrov delivered 596:20080617 to 'RelEngBuilder-Weekly Jazz Integration' 1 hour ago
- Sonia Dimitrov delivered 2674:20080617 to 'RelEng-Weekly Jazz Integration' 1 hour ago
- [5] option to show server startup guide not shown at the end of server install (58397) 1 hour ago
- Sonia Dimitrov delivered 596:20080617 to 'RelEngBuilder-RelEngBuilder' 1 hour ago
- Sonia Dimitrov delivered 2674:20080617 to 'RelEng-RelEng' 1 hour ago
- Sonia Dimitrov delivered 921:20080617 to 'Learn Content-Weekly Jazz Integration' 1 hour ago

Page 1 of 6

**Jazz.net Wiki** (16 new)

- ProcessBehaviorLookup 15 minutes ago
- IM112TestMatrix 45 minutes ago
- SCMTestPlan 2 hours ago
- SCMRemoteDevelopmentLine 2 hours ago
- AdministrationConfigurationFAQ 3 hours ago
- DatabaseStartupErrors 3 hours ago
- ItemConnectorCreation 3 hours ago
- FAQ 3 hours ago

Page 1 of 2

**Jazz Newsgroups** (15 new)

- jazz.user :: Test
- jazz.user :: RE: how license is controlled for Multiple RTC Repository on the
- jazz.user :: RE: Problems occurred during check-in and deliver
- jazz.user :: Problems occurred during check-in and deliver
- jazz.user :: RE: launchpad extraction failure under aix 5.3
- jazz.user :: RE: Error setting up RTC RC5
- jazz.user :: RE: Set Automatic checkin as default?
- jazz.user :: launchpad extraction failure under aix 5.3

Page 1 of 2

Report: Build Health - IBM Rational Team Concert - Mozilla Firefox: IBM Edition

File Edit View History Bookmarks Tools Help

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Jazz Project

Home Project Areas Dashboards Work Items Iteration Plans **Reports** Help

**Shared Reports**

- Build
  - Build Health
  - Code Coverage
  - Code Health
  - Frequent Test Failures
  - Frequent Test Regressions
- Data Warehouse
- Repository
- Source Control
- Work Items

Include Archived

## Build Health

**Parameters**

Team Area: /Jazz Development	Build Definition: weekly.integration.jazz	Duration: Last 50 Builds
Include Incomplete Builds: No		

### Build health

Latest Build is Clean (Jun 13, 2008 4:09:53 PM)

**Build duration**

Average Build Time is 2.52 hours



# OBRIGADO

## Learn more at:

- [IBM Rational software](#)
- [IBM Rational Software Delivery Platform](#)
- [Process and portfolio management](#)
- [Change and release management](#)
- [Quality management](#)
- [Architecture management](#)
- [Rational trial downloads](#)
- [Leading Innovation Web site](#)
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