



IBM Rational Software

Rational Team Concert

powered by

jazz

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Jazz Jumpstart team

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1^{er} et 2 octobre 2007



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- Though this represents our current direction, these plans are subject to change
- Nothing in this presentation is intended to create any representations or warranties
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Why are we doing the Jazz platform?

The Development Landscape has shifted!

Late 90's: Focus on **Point Tools**

Who can build the best Java IDE, the best C IDE, the best Web Tool,...

When we built **Eclipse**: Focus on **One Developer**

Seamless integration across a set of tools to improve the productivity of **one** developer

Today, we must focus on the **Team** and its **Collaboration**

- Geographically Distributed
- Accelerated Delivery Demands
- Agility with Predictability
- Innovation and Repeatability
- Increased Need for Transparency

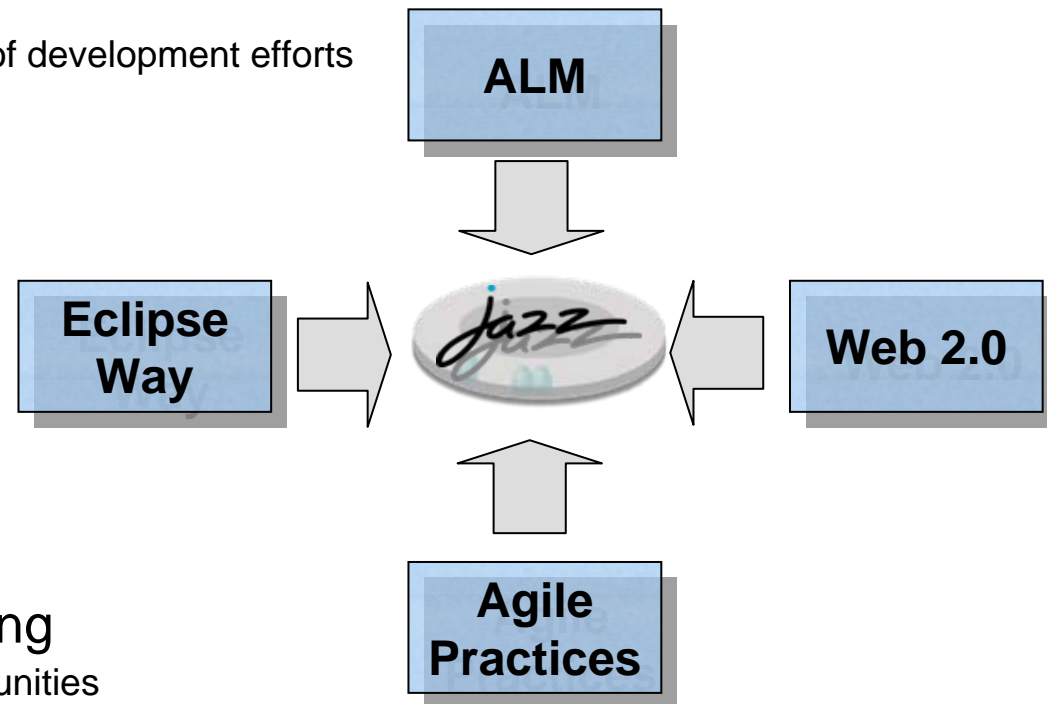


Seamless integration across all the **Phases of the Application Lifecycle** to improve the **Productivity of the Entire Team**.



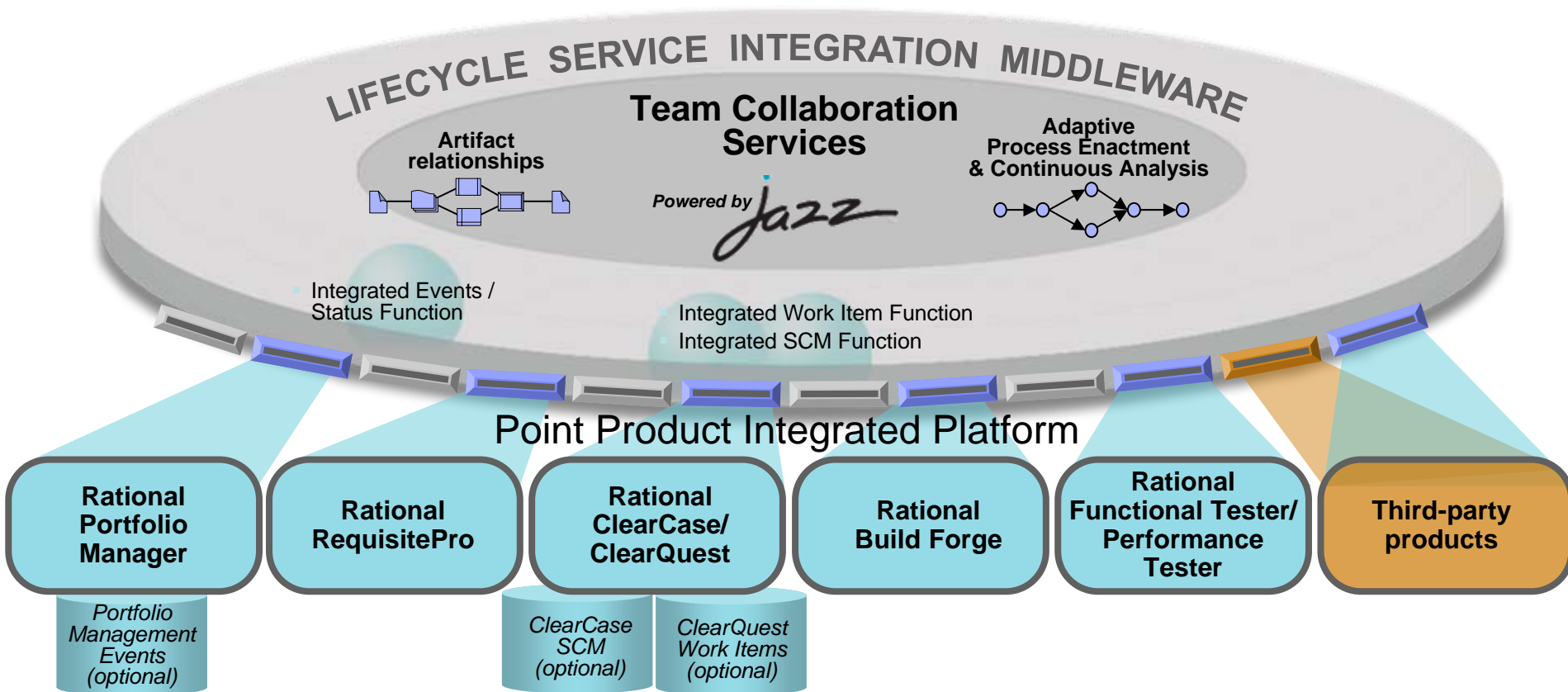
Forces in Motion

- **Application Lifecycle Management (ALM)**
 - Traceability of relationships between artifacts
 - Automation of high-level processes
 - Providing visibility into the progress of development efforts
- **The Eclipse phenomenon**
 - Extensible Platform
 - Open Standards
 - Successful software delivery
- **Agile programming**
 - Popularity of Agile development
 - Agile Practices
- **Web 2.0 and Social Networking**
 - Social Networking – Power of communities
 - Wikipedia on Web 2.0
 - SOA, Web-centric & Web 2.0 enabling new business models



Rational Team Concert Vision

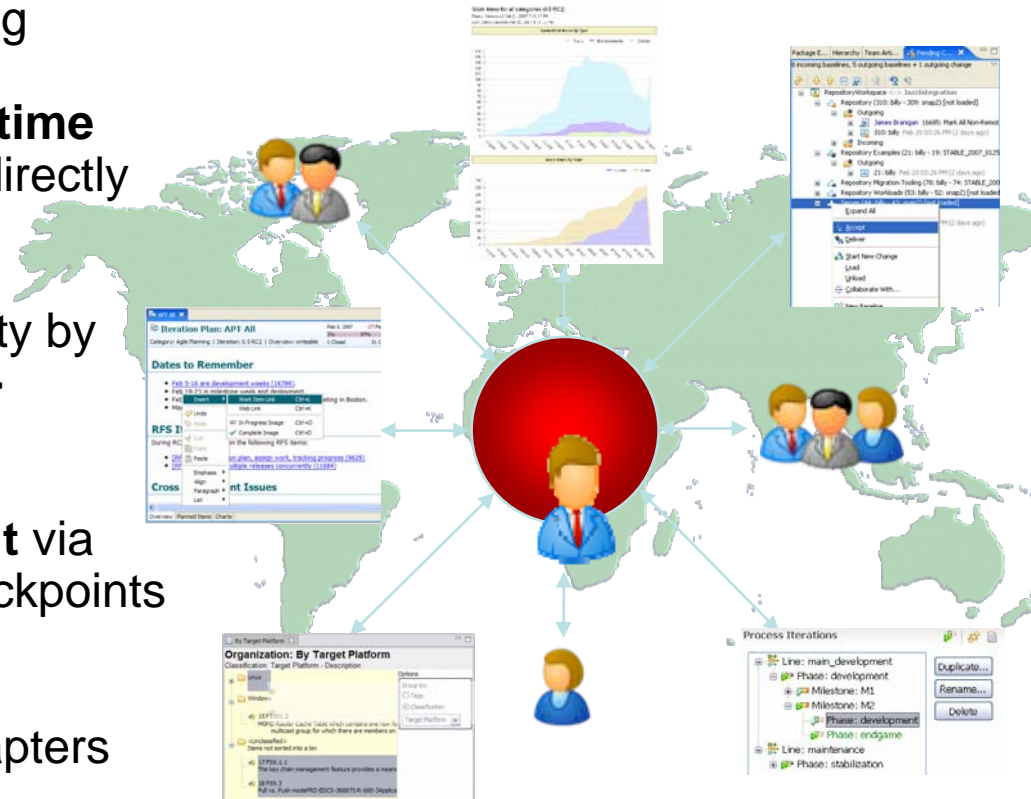
An open ecosystem based on IBM middleware



Built for development efficiency: Allows developers to innovate rather than duplicating efforts, figuring out who to hand off to, or tracking and reporting status

The value of the *jazz* technology?

- Enables teams to **collaborate in real time** in the context of the work they are doing
- Provides visibility into accurate **real-time project health information** drawn directly from actual work across the team
- Automates traceability and auditability by **managing artifacts and their inter-relationships** across the lifecycle
- Enables custom **process enactment** via process automation & definable checkpoints
- Provides an **extensible technology platform** for building products & adapters





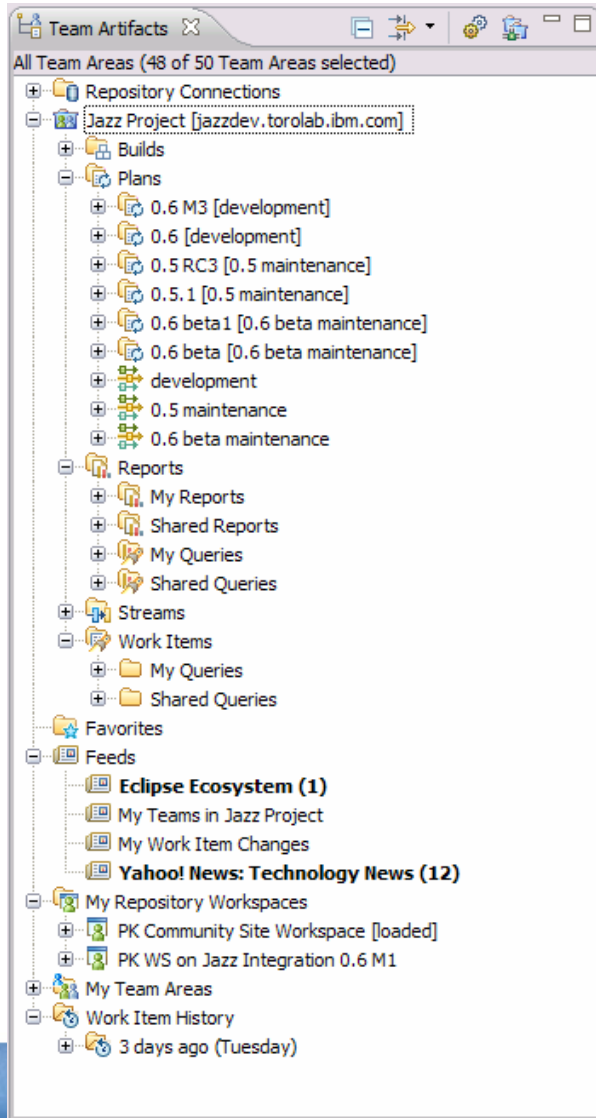
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Rational Team Concert in action...

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Enables Team & Project Artifacts

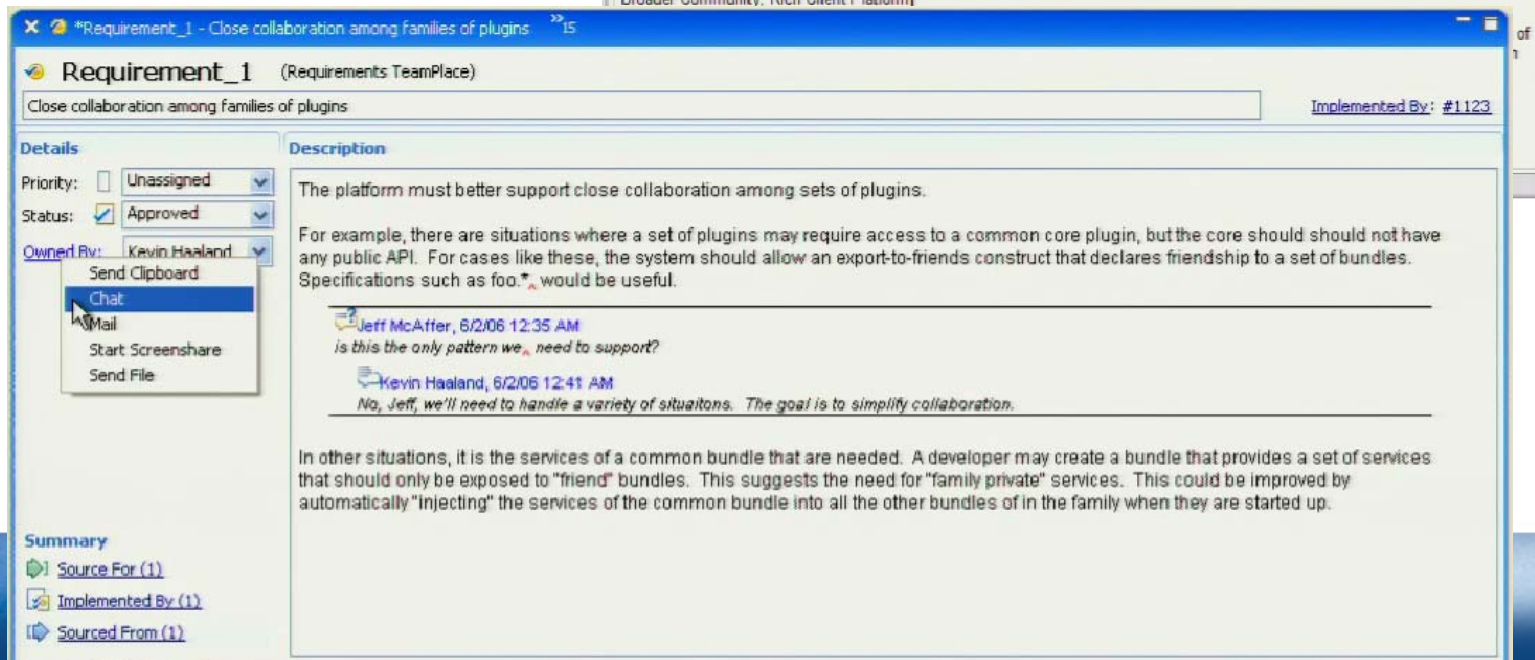
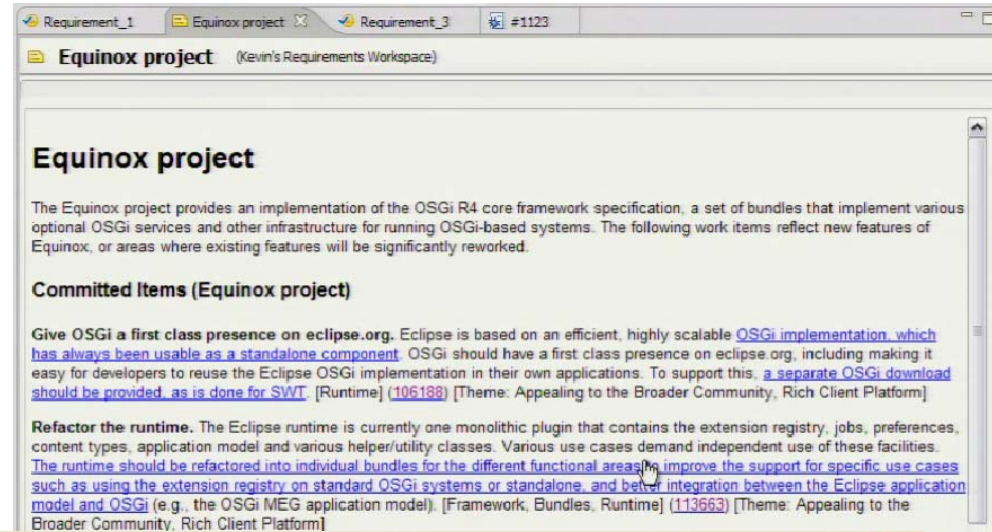


- Team Artifacts view
 - Centralized access for Jazz artifacts
 - All repositories, subscriptions
 - Drill down into:
 - builds,
 - plans,
 - reports,
 - work items,
 - ...



Requirements Definition and Linking (Incubator project)

- All text fields in the Jazz platform are “Rich Text” and may include hyperlinks
- Requirements can be captured by importing and marking-up a document
- All Jazz platform artifacts are versioned



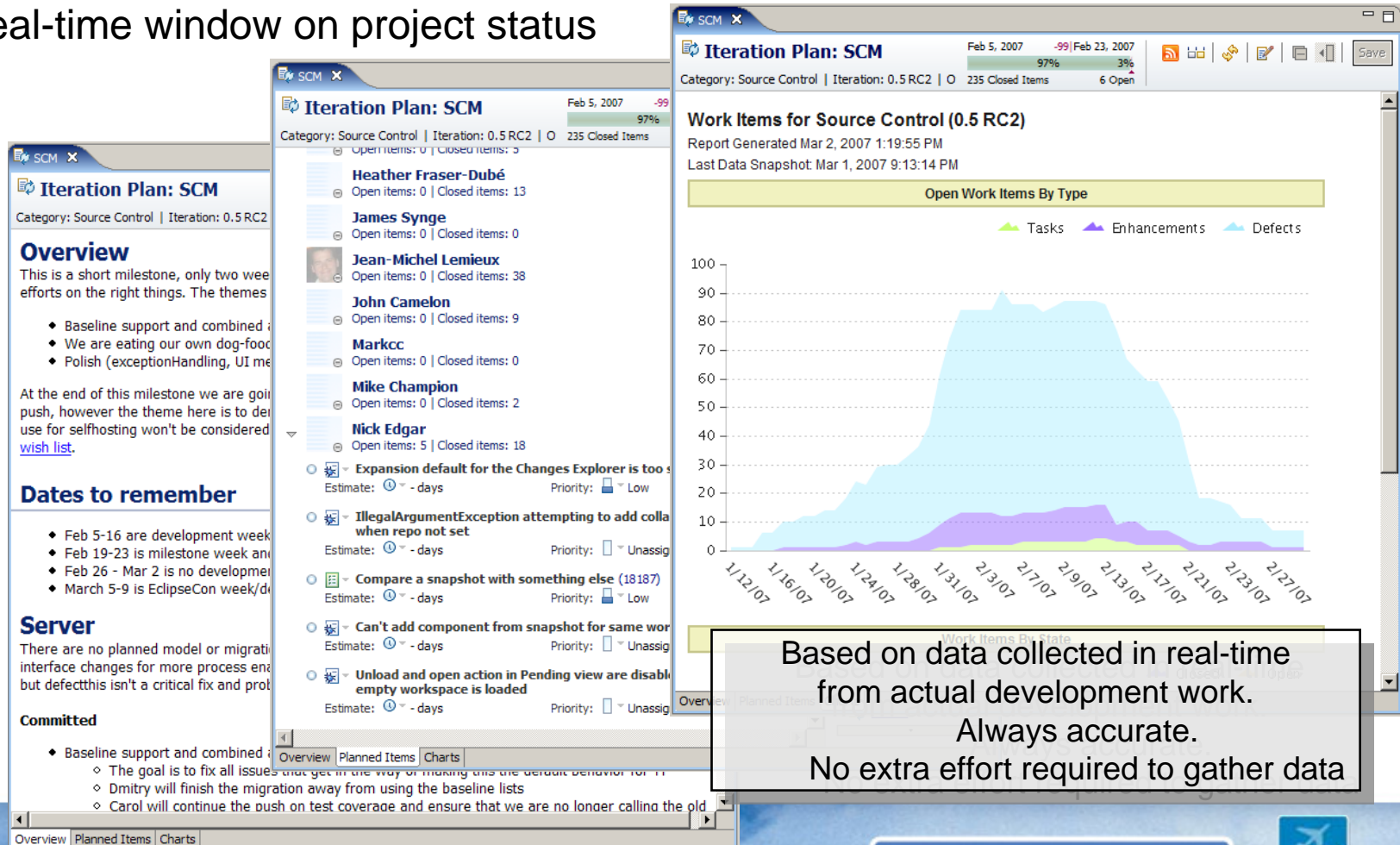
Work Items: Tasks, Defect and more...

The screenshot shows a web browser window displaying the Jazz web application. The page title is 'Task 21395 - Mozilla Firefox'. The URL is <https://jazz.net/jazz/web/projects/Jazz%20Project#action=com.ibm.team.workitem.viewWorkItem&id=21395>. The user is logged in as Philippe Krief. The page shows the details for 'Task 21395' with a summary of 'Remove deprecated Query API'. The task is categorized as 'Task' with a 'Normal' severity and 'Unassigned' status. It was created on April 16, 2007, by Ritchie Schacher. The description states: 'This is an umbrella to capture all places where components must opt in to the new query. Components should do the following: 1) Markup queryable properties, and opt-in fully, using the annotation dbMapQueryableProperties only on their model. Regen code. 2) Search for all references to IQueryService0#executeItemQuery and IQueryService0#executeDataQuery. Replace these references with new AST query based service methods.' The discussion section shows four comments from James Moody and Ritchie Schacher. The task is owned by Ritchie Schacher, has a high priority, and is planned for 0.6 M1. The due date is April 17, 2007. The summary section lists related items: Subscriptions (9), Change-sets (8), Children (7), Included in builds (18), and Related (1).



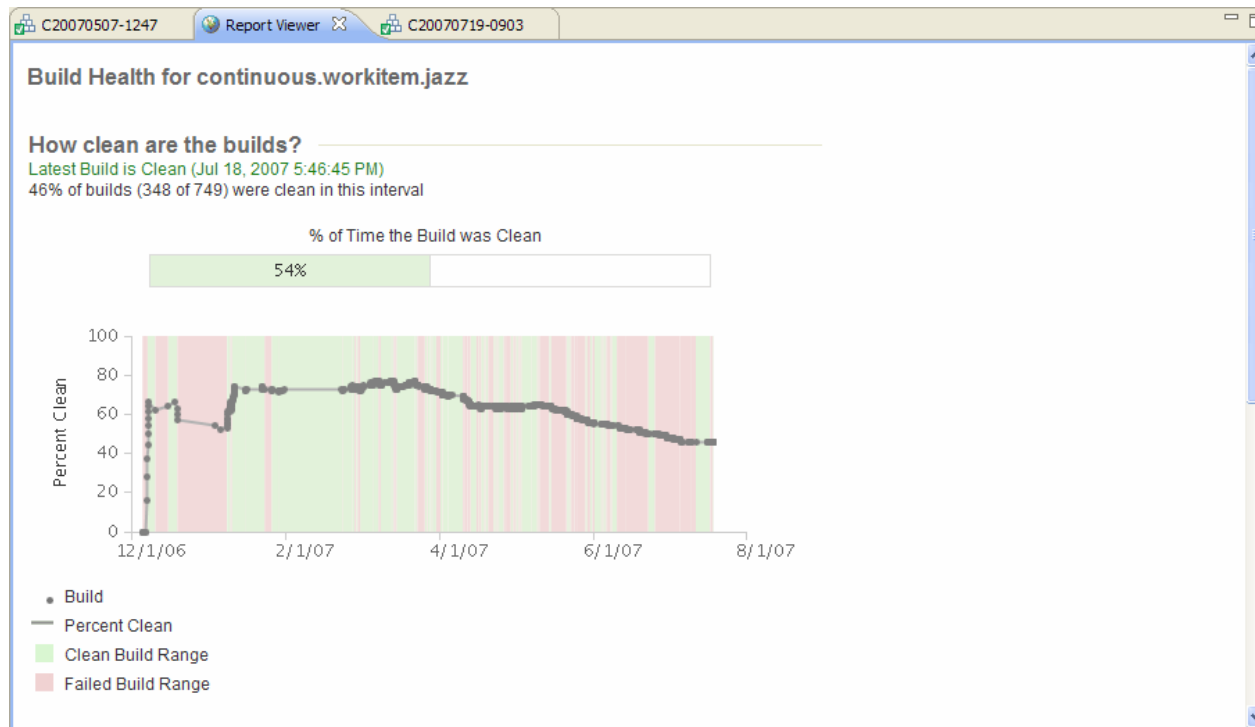
Iteration Planning and Execution

- Integrates planning with execution
- Easily see what needs to be done, what is being worked
- Real-time window on project status



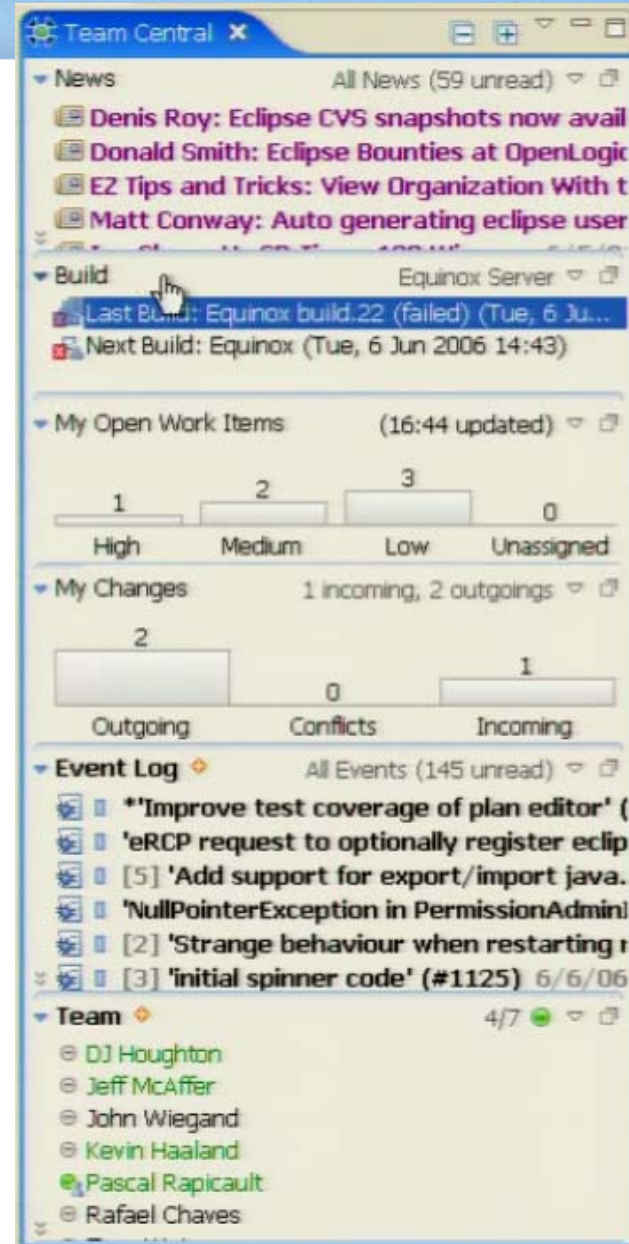
Project Health Reporting

- Based on data collected in real-time from actual development work
 - Always accurate
 - No extra effort required to gather data



Enables development teams to...

- Collaborate in real time in the context of the work that they are doing
 - **Team Central**
 - Shows what is **happening** on project
 - News & events
 - Build status
 - What's being worked on
 - Changes
 - Configurable (RSS feeds)
 - New kinds of information easily added
 - Customizable
 - Each team member can tailor to their needs
 - **Team Awareness**
 - Shows team members and their online status
 - Shows what the team is working on



Enables Process Automation and Guidance

■ Team Advisor

- Rules can be run when delivering changes to enforce team or organizational standards
- Helps ensure higher quality results through enforcement of agreed-upon standards
- Rules are configurable
- “Quick Fixes” can be specified to simplify corrective action
- Process rules can be defined, refined “on the fly”, enabling continual improvements

The screenshot displays the Team Advisor application window. On the left, a tree view shows a list of rules: 'Deliver [client] 11:52:46 AM', 'No Unused Imports', 'Clean Workspace', 'Descriptive Change Sets', and 'Deliver [server] 11:52:47 AM'. The 'Deliver [client] 11:52:46 AM' rule is selected. On the right, a detailed view of this rule is shown, featuring a green checkmark icon. The text reads: 'Deliver: Checks whether the selected change sets are ready for delivery according to the team's development process. If the team defines strictly enforced advice which hasn't been followed, delivery will be blocked. Source Workspace: TC Workspace Target Stream: Eval Result: no problems found'. The background shows a faded Eclipse IDE interface with a 'Process Description' window open.



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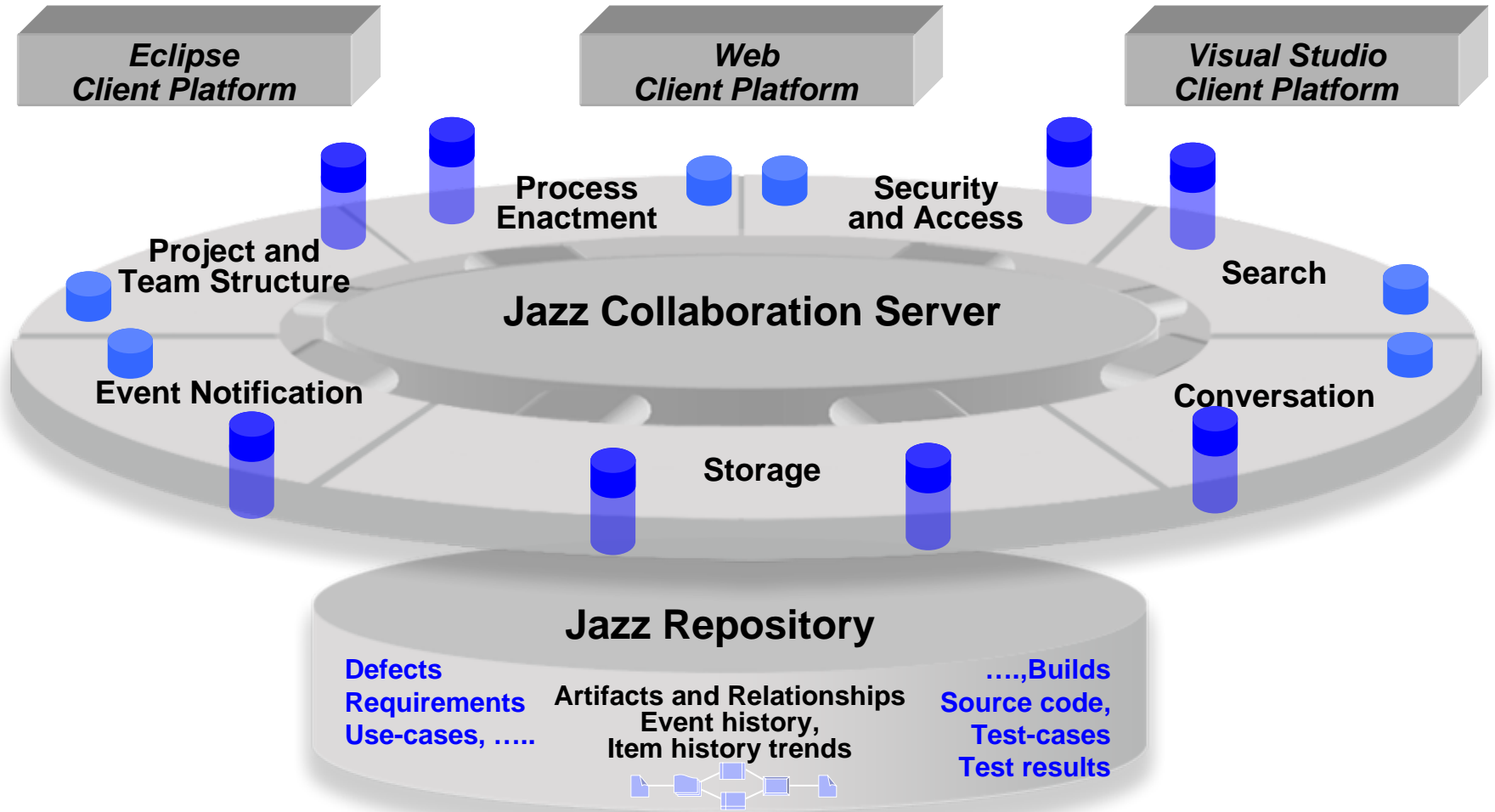
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jazz Architecture

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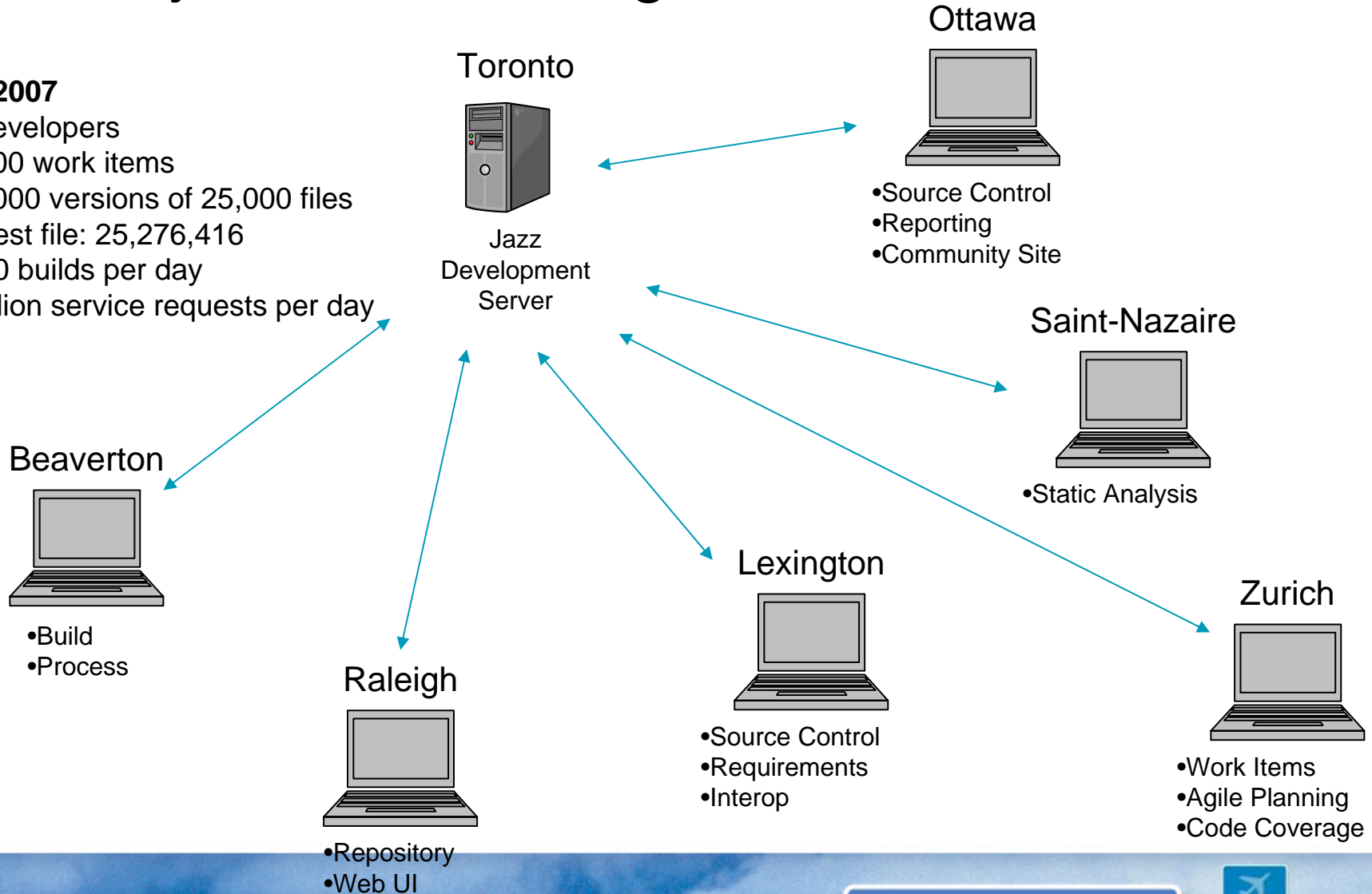
Jazz Architecture



Jazz Project Self-Hosting since Oct 2006

June 2007

- 70 developers
- 28,000 work items
- 110,000 versions of 25,000 files
- Biggest file: 25,276,416
- 10-20 builds per day
- 2 million service requests per day





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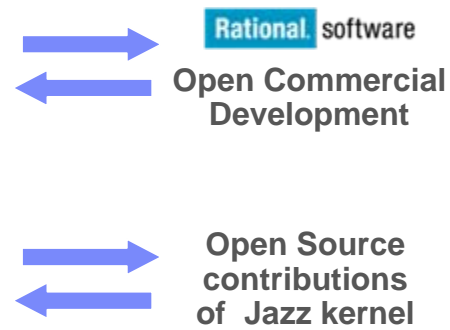
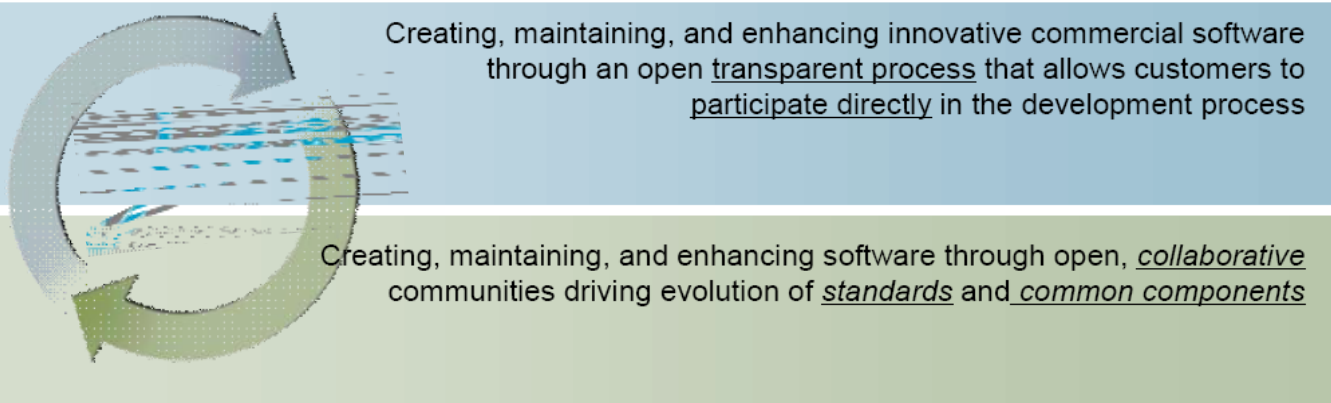
jazz Ecosystem

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Open Commercial Software Development

Rational. Open Commercial Community



Open Source Community

Delivering greater openness & customer participation in the products they depend on for software delivery

Jazz Community Site (www.jazz.net)

People, not organizations, build great software.

What is Jazz?

Simplicity through consistency. Collaboration in context. Agility through transparency... Jazz is about helping people work together to build software more effectively, while making the software development experience more fun!

Jazz is a joint project between [IBM Rational](#) and [IBM Research](#) to build a scalable, extensible team collaboration platform for seamlessly integrating tasks across the software lifecycle.

While this technology is at an early stage, it is an exciting and important part of Rational's future.

[More >>](#)

Jazz at EclipseCon 2007

From Eclipse to Jazz: perspectives on toolsmithing the Eclipse way

Erich Gamma and John Wiegand spoke to a standing room only crowd Wednesday afternoon March 7th EclipseCon 2007. A prelude to the Jazz BoF and reception, the talk reflected on the journey from Eclipse Way to Jazz.

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Downloads

Release 0.5

New & Noteworthy

Read Me First

WARNING: Repository data migration to new server builds is not yet supported!

Wrong operating system? Select your operating system: [Windows](#) | [Linux](#) | [OSX](#)

Please see the [Software License](#) governing your use and download of the Jazz software.

[Download](#) **Jazz-Client-0.5-win32.zip**
174.2 MB
[Client Setup Guide](#)

[Download](#) **Jazz-Server-0.5.zip**
164.45 MB
[Server Setup Guide](#)

[Download](#) **Jazz-Client-SDK-0.5.zip**
67.88 MB

[Download](#) **Jazz-BuildSystem-0.5.zip**
21.77 MB

[Releases](#) (top 5) [Milestone Builds](#) (top 5) [Integration Builds](#) (top 5)

Release	Date	Milestone	Date	Integration	Date
Release 0.5	Tue, 13 Mar 2007	0.6 Milestone 0	Thu, 05 Apr 2007	120070515-1421	Thu, 17 May 2007
		0.5 Release Candidate 3	Tue, 20 Mar 2007	120070508-1156	Wed, 09 May 2007
		0.5 Release Candidate 2	Fri, 23 Feb 2007	120070504-1258	Fri, 04 May 2007
		0.5 Release Candidate 1a	Thu, 05 Apr 2007	120070503-2004	Fri, 04 May 2007
		0.5 Release Candidate 1	Wed, 07 Feb 2007	120070502-1940	Thu, 03 May 2007

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jazz.net: Open Community

Jazz - Mozilla Firefox

File Edit View History Bookmarks Tools Help

https://jazz.net/jazz/web/projects/Jazz%20Project#perspective=Iteration%20Plans&action=viewPlan&id=_HXwT4A4EEdyVEMush6LDEA&pag...

IBM Intranet Google Eclipse.org Main Page Jazz

You are logged in as John Kellerman
The Jazz Project

Home | Work Items | **Iteration Plans** | Reports | Admin

Search

Iteration Plan: Web UI 0.6 M2

Jun 04, 2007 to Aug 12, 2007 | Interval: 0.6 M2 | 36 Open Items | 37 Closed Items | -11/73

Current Query: Custom
Previous | Plan 5 of 16 | Next

Overview | Planned Items | Charts

Core Web UI (Bill, Richard)

Services

Boolean and Numeric values are not being marshalled correctly to JSON (12506)

Layout and Styles

- ✓ set font-size to 1em for button, input, select, and textarea in styles.css (44483)
- left-nav border does not extend all the way down when navigation content is very long (13740)
- disable default browser styles for margin and padding (15613)
- Web UI footer should be "attached" to the bottom of the browser window (20852)
- LeftNavigation is broken on IE6 when Text Size is "Larger" (23710)

Work Item Web UI (Larry, Patrick)

Themes:

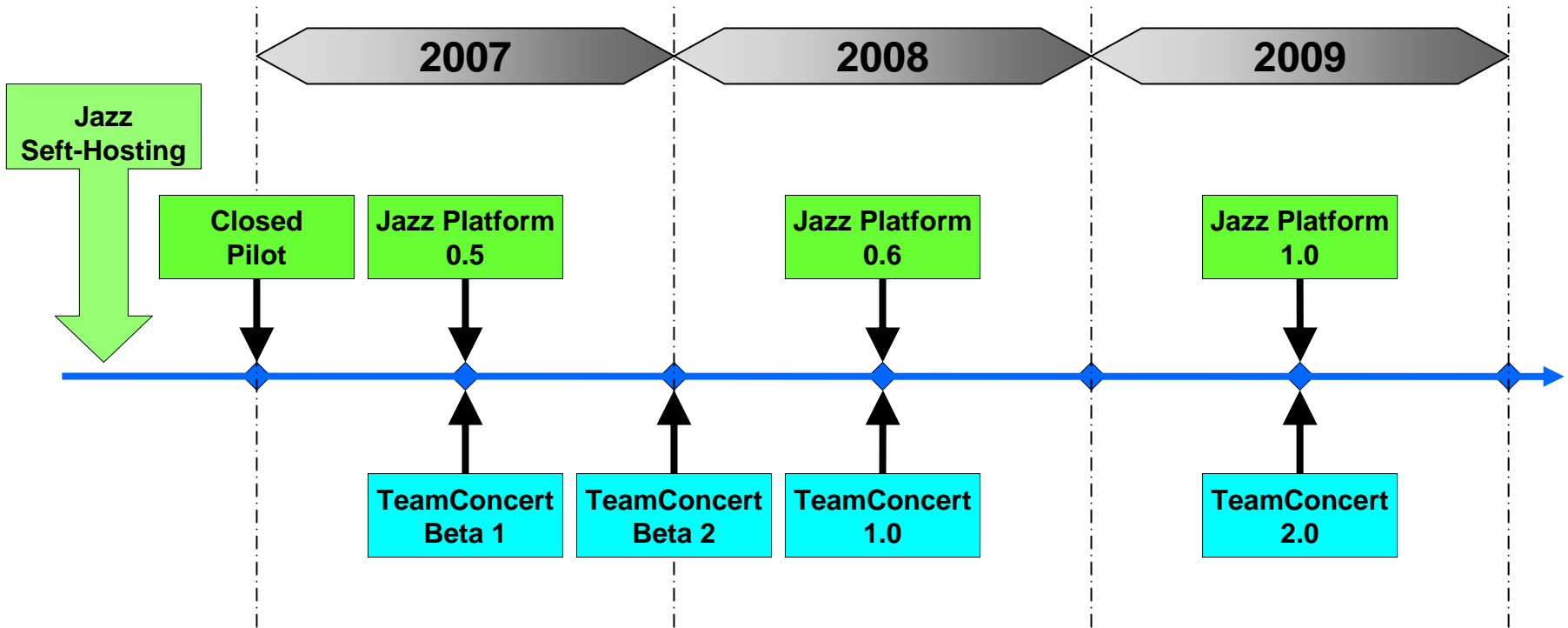
- Improve Consumability and user experience
- Improve consistency with Eclipse UI

Work Item summary:

- ✓ Ability to step through query results in the context of a work item editor (43697)
- Rework tabs to UX spec (24061)
- ✓ Links summary progressive disclosure (22892)
- Make Links and Attachment pages match format of the Overview page (25067)
- Ability to edit web query results in place (25377) (25377)
- Surface "Delete query" in the Web UI (22945) (22945)
- Edit unsaved queries once they are run (25047)
- Plus several UX improvements

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Jazz and Team Concert Roadmap



TEC - Technical Exploration Center - @ Paris

Accélérer le cycle de découverte des logiciels IBM

Les ressources hardware et software du TEC à Noisy-Le Grand / Marne La Vallée sont disponibles **gratuitement** :

« Les équipes Sales et TechSales de IBM Software, sont à votre disposition pour réserver des machines et des ateliers »



– EOTs - Exploration of Technology

- Découvrir la valeur des logiciels IBM: Présentations, vidéos, démonstrations

– POTs – Proof of Technology, Ateliers/Workshops,

- Démontrer les capacités des logiciels IBM
 - Présentations
 - Labs et hands-on ...

une adresse E-mail à retenir:
TecParis@fr.ibm.com

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Thank YOU

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