



IBM Rational Software

# Rational Team Concert

powered by

*jazz*

**Philippe Krief**

Jazz Jumpstart team

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*1<sup>er</sup> et 2 octobre 2007*



# Disclaimer and Non-Disclosure

- **Though this represents our current direction, these plans are subject to change**
- **Nothing in this presentation is intended to create any representations or warranties**
- **IBM Rational warranties are contained in the applicable license agreements**



# Why are we doing Jazz?

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

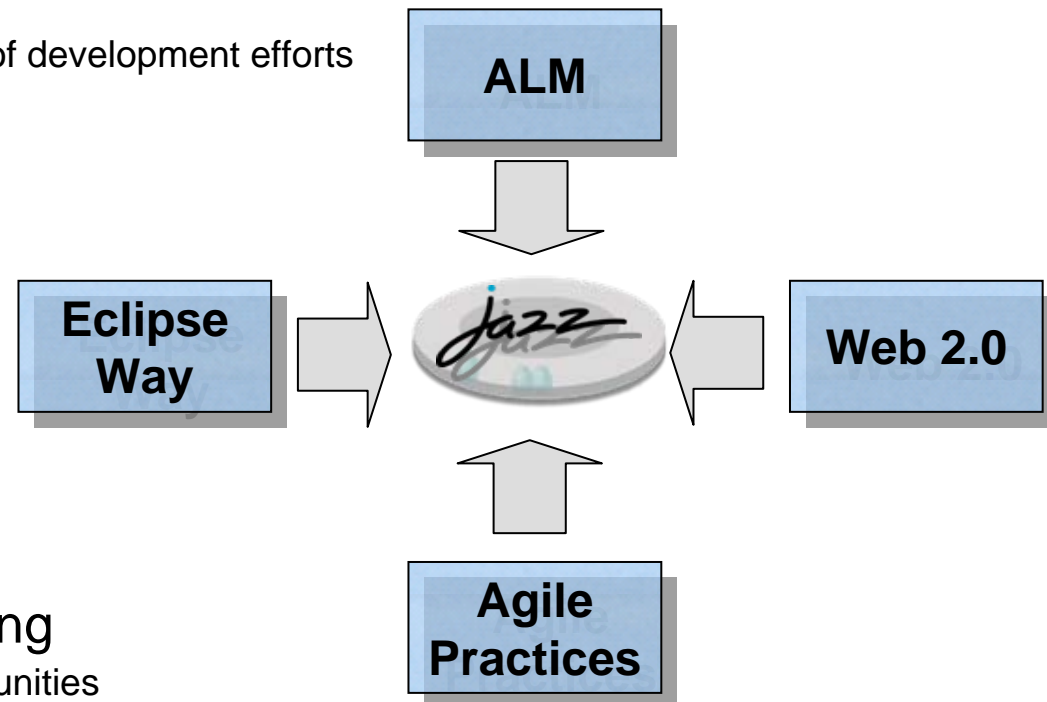


Seamless integration across all the **Phases of the Application Lifecycle** to improve the **Productivity of the Entire Team.**



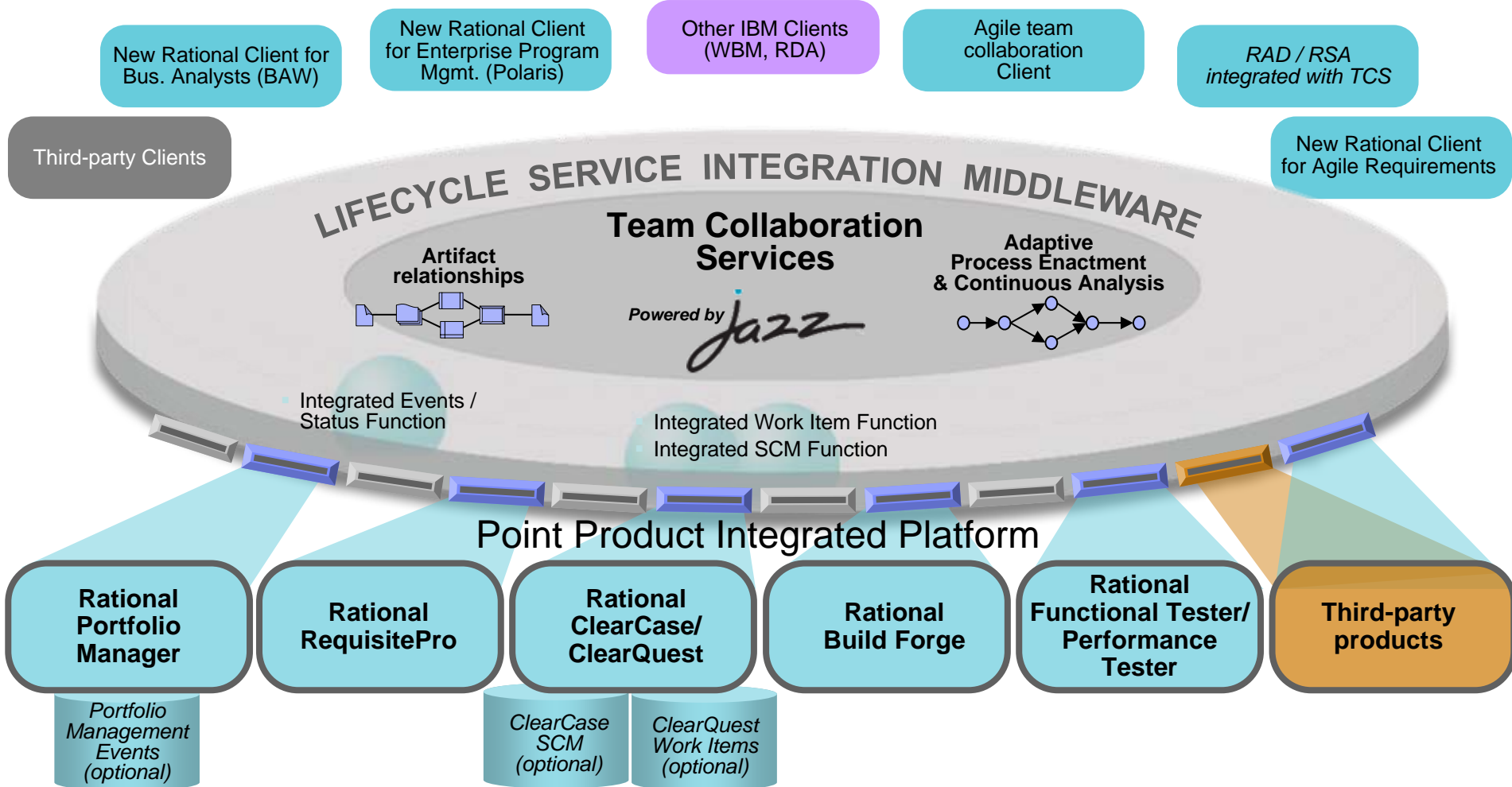
# Forces in Motion

- **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



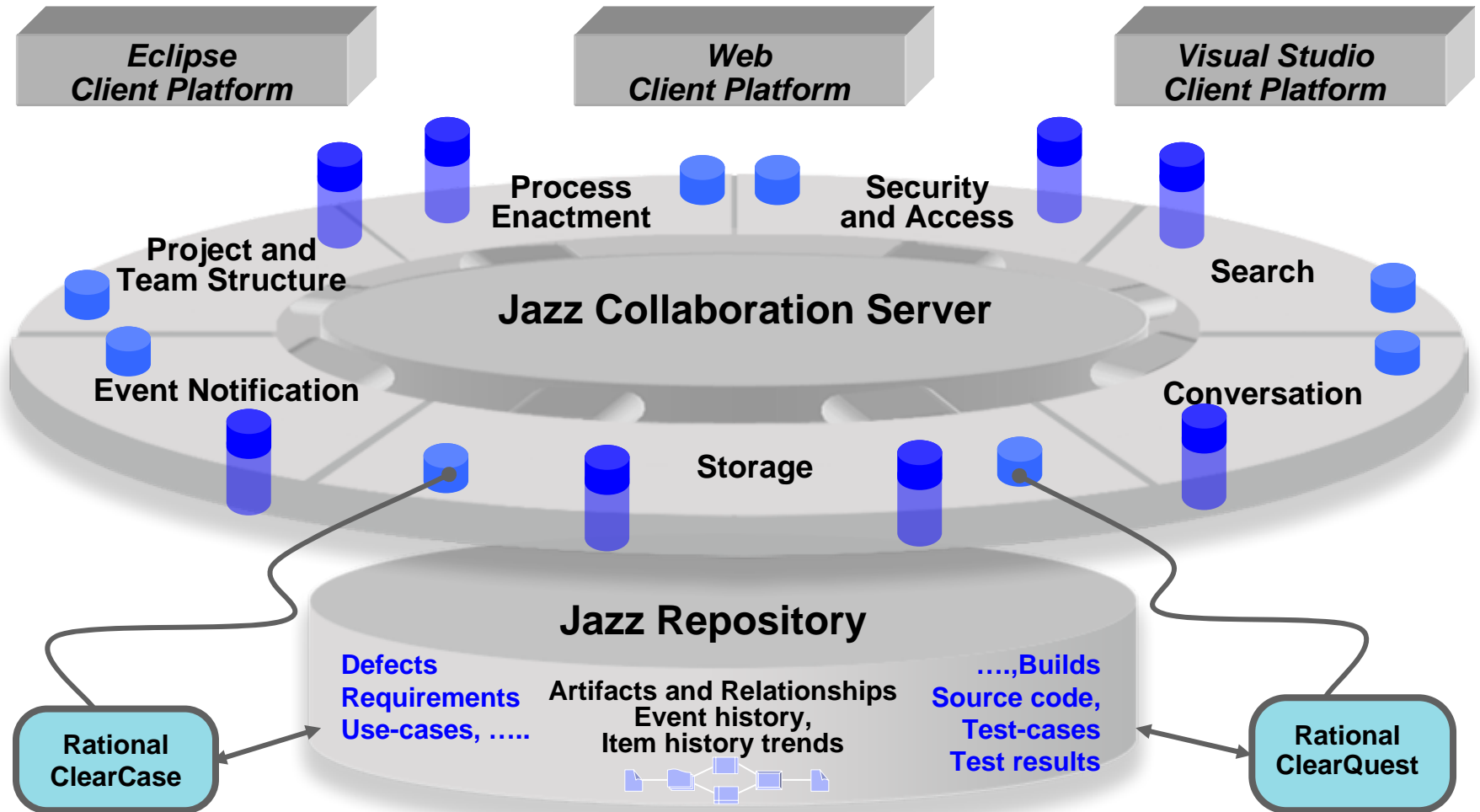
# Rational Team Concert Vision

*An open ecosystem based on IBM middleware*



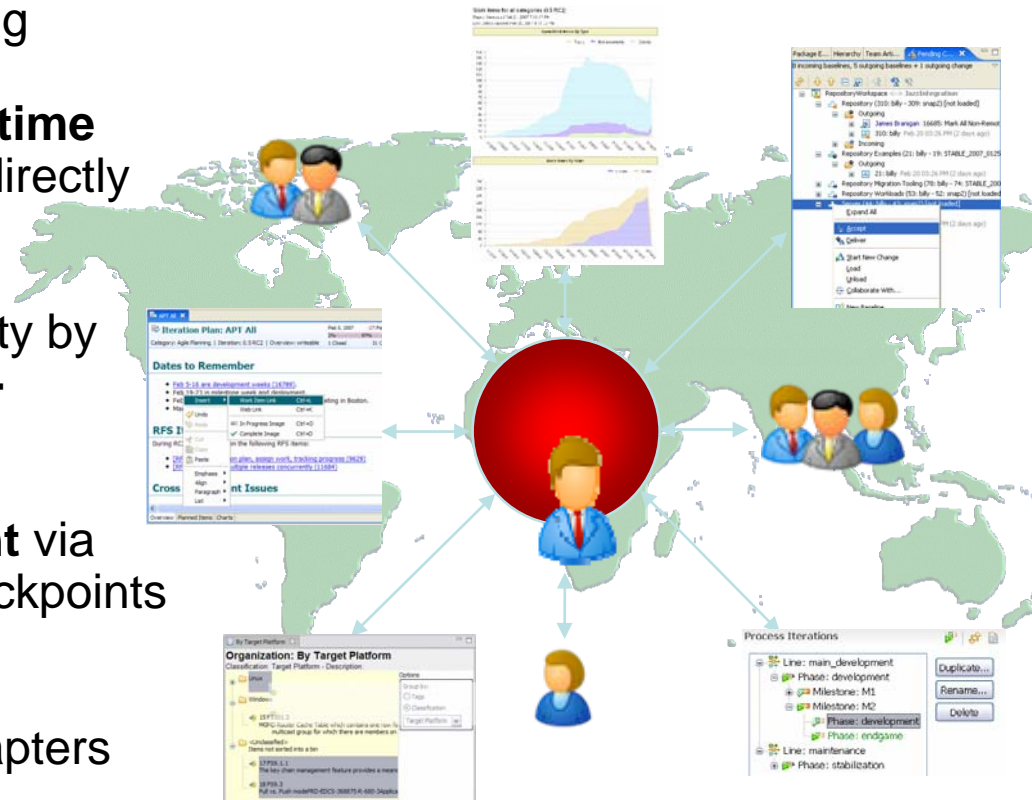
*Built for development efficiency: Allows developers to innovate rather than duplicating efforts, figuring out who to hand off to, or tracking and reporting status*

# Jazz Architecture



# 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





Rational

IBM Rational Software

# Rational Team Concert in Action...

*1<sup>er</sup> et 2 octobre 2007*

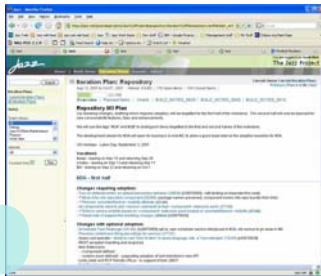




# Collaborative team development pain points



Project Manager



- Different roles work in separate tools with separate repositories
  - reducing visibility and understanding
  - Linkage between related items is hard to maintain and trace (e.g., builds, tests, code, and requirements)



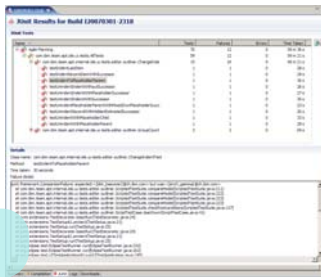
Developer / Build Engineer



- Information is slow to propagate
  - e.g., overnight builds, daily reports, email



Tester



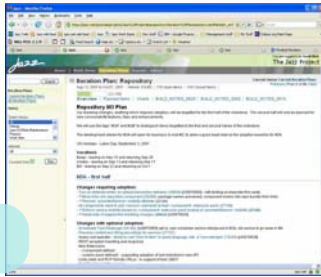
- Process is seen as burdensome
  - Project monitoring requires too much effort and manual intervention
- Communication and collaboration take place outside the necessary context



# Initiate the project



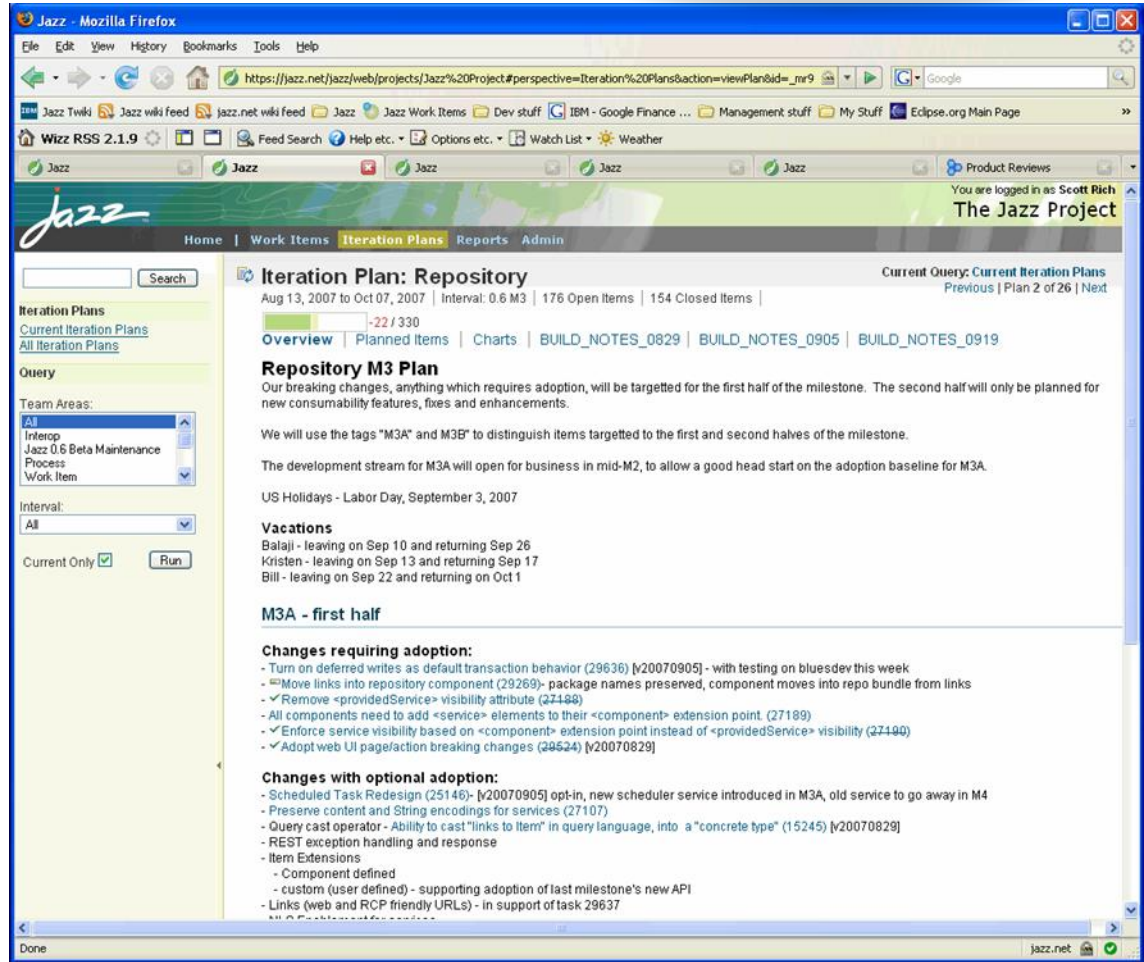
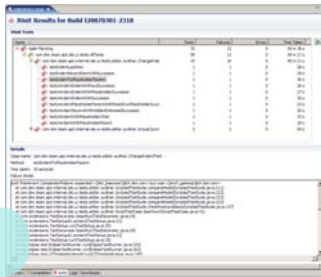
**Project Manager**



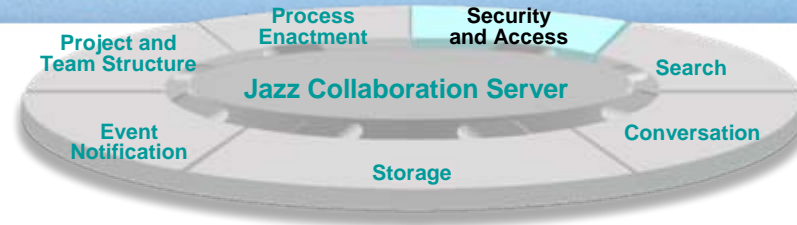
**Developer / Build Engineer**



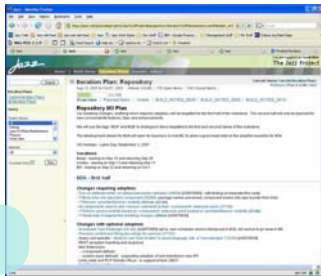
**Tester**



# Establish the team and tasks



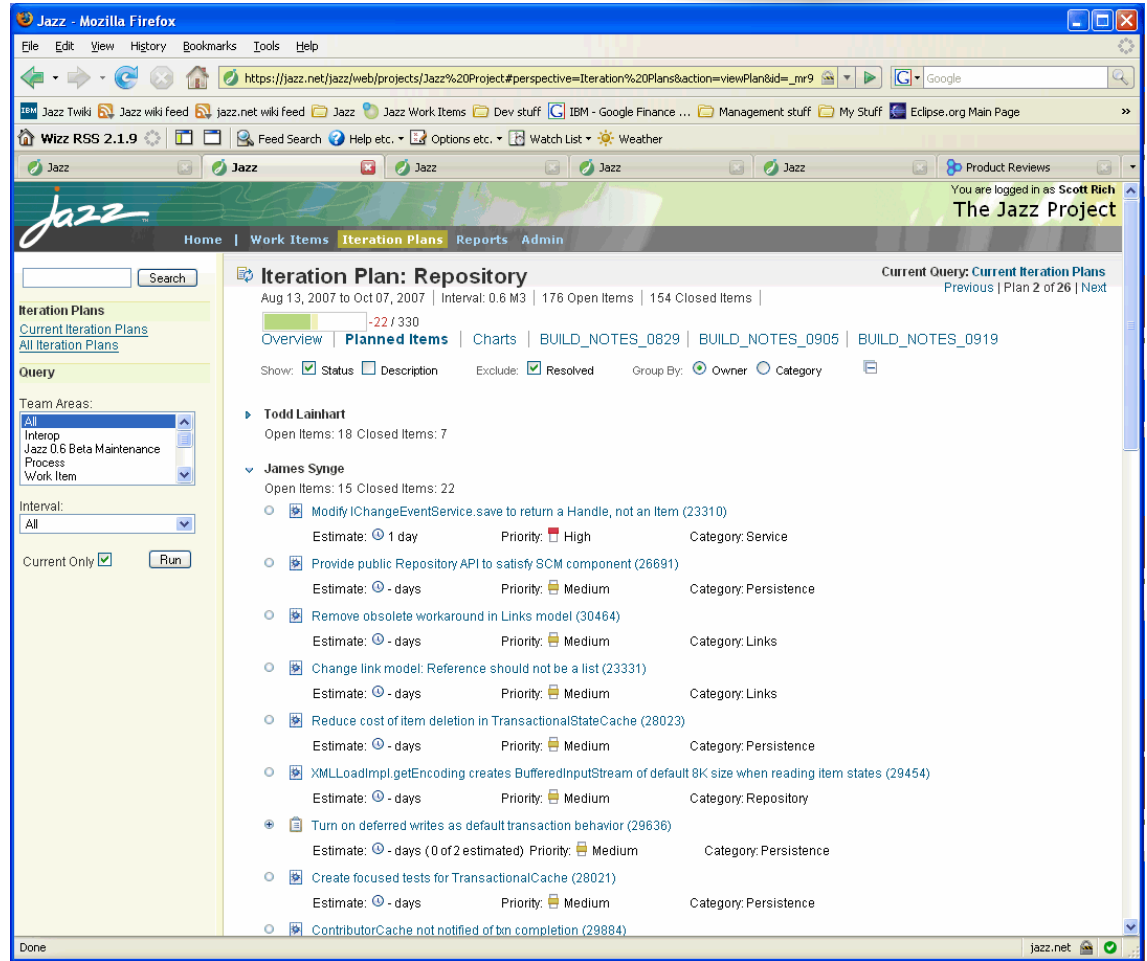
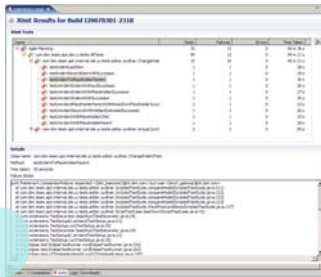
**Project Manager**



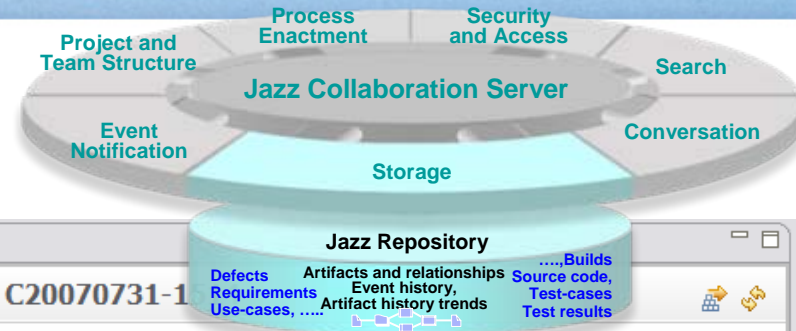
**Developer / Build Engineer**



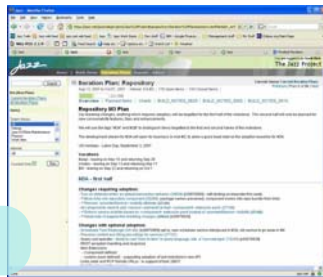
**Tester**



# Develop and build



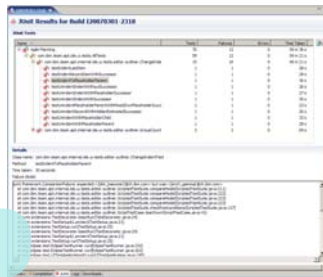
**Project Manager**



**Developer / Build Engineer**



**Tester**



C20070731-1514

## Build continuous.tuner.jazz C20070731-1

**Completed**

Duration was 20 minutes, 23 seconds  
 Started at Tue, 31 Jul 2007 21:15:06  
 Completed at Tue, 31 Jul 2007 21:35:29

Status trend:

### Contribution Summary

Changes: [Show changes](#)

Compile: ✘ **9 errors, 225 warnings**

Coverage: Ⓢ No coverage results found

Downloads: [3 downloads](#)

JUnit: ✔ **6 tests, 0 failures, 0 errors**

Logs: [6 logs](#)

Requirements: None implemented

Snapshot: [continuous.tuner.jazz C20070731-1514](#)

Work items: [2 included in build](#)

### Reported Work Items

No reported work items.

[Create a new work item](#)

[Associate an existing work item](#)

### General Information

Requested by: Jean-Michel Lemieux

Build Definition: [continuous.tuner.jazz](#)

Build Engine: [apollobuildserv4](#)

Build History: [17 builds](#)

Tags: ▶ Untagged [\[edit...\]](#)

### External Links

[Build Health Report for continuous.tuner.jazz](#)

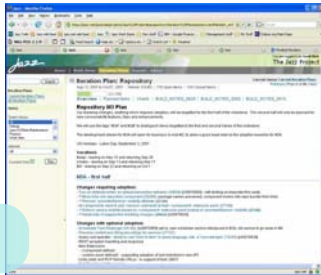
Summary ✘ Compilation JUnit Logs Downloads



# Manage testing



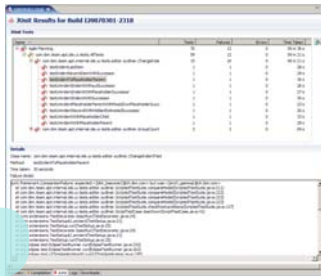
**Project Manager**



**Developer / Build Engineer**



**Tester**



### JUnit Results for Build I20070301-2318

Name	Tests	Failures	Errors	Time Taken
Agile Planning	70	12	0	09 m 36 s
com.ibm.team.appt.internal.ide.ui.tests.AllTests	59	12	0	09 m 21 s
com.ibm.team.appt.internal.ide.ui.tests.editor.outliner.ChangeIndex	15	10	0	06 m 21 s
testIndentLastItem	1	1	0	28 s
testIndentSecondItemWithSuccessor	1	1	0	29 s
testIndentToPlaceholderParent	1	1	0	30 s
testUnindentWithoutSuccessor	1	1	0	26 s
testUnindentWithPlaceholderSuccessor	1	1	0	27 s
testUnindentWithSuccessor	1	1	0	30 s
testUnindentPlaceholderParentWithMixedOwnPlaceholderSuccessor	1	1	0	23 s
testUnindentSecondWithHiddenEstimatedSuccessor	1	1	0	20 s
testUnindentWithPlaceholderChild	1	1	0	33 s
testUnindentWithPlaceholderParent	1	1	0	29 s
com.ibm.team.appt.internal.ide.ui.tests.editor.outliner.GroupCount	3	2	0	09 s

**Details**

Class name: com.ibm.team.appt.internal.ide.ui.tests.editor.outliner.ChangeIndexTest  
 Method: testIndentToPlaceholderParent  
 Time taken: 30 seconds  
 Failure detail:

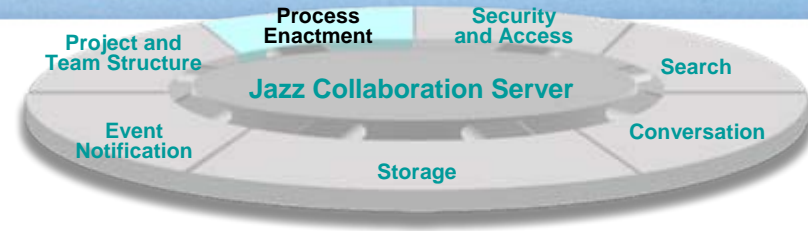
```

  junit.framework.ComparisonFailure: expected: <[dirk_baeumer]@ch.ibm.com> but was: <[erich_gamma]@ch.ibm.com>
  at com.ibm.team.appt.internal.ide.ui.tests.editor.outliner.Scrip...
  at com.ibm.team.appt.internal.ide.ui.tests.editor.outliner.Scrip...
  at com.ibm.team.appt.internal.ide.ui.tests.editor.outliner.Scrip...
  at com.ibm.team.appt.internal.ide.ui.tests.editor.outliner.Scrip...
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  at com.ibm.team.appt.internal.ide.ui.tests.editor.outliner.Scrip...
  at com.ibm.team.appt.internal.ide.ui.tests.editor.outliner.Scrip...
  at org.eclipse.test.EclipseTestRunner.run(EclipseTestRunner.java:332)
  at org.eclipse.test.EclipseTestRunner.run(EclipseTestRunner.java:202)
  at org.eclipse.test.ITTestApplication$3.run(ITTestApplication.java:195)
  
```

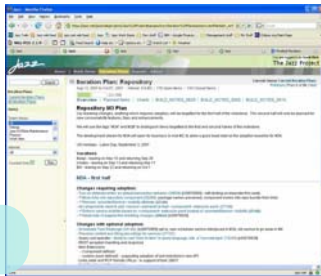
Summary | Compilation | JUnit | Logs | Downloads



# Verify code quality



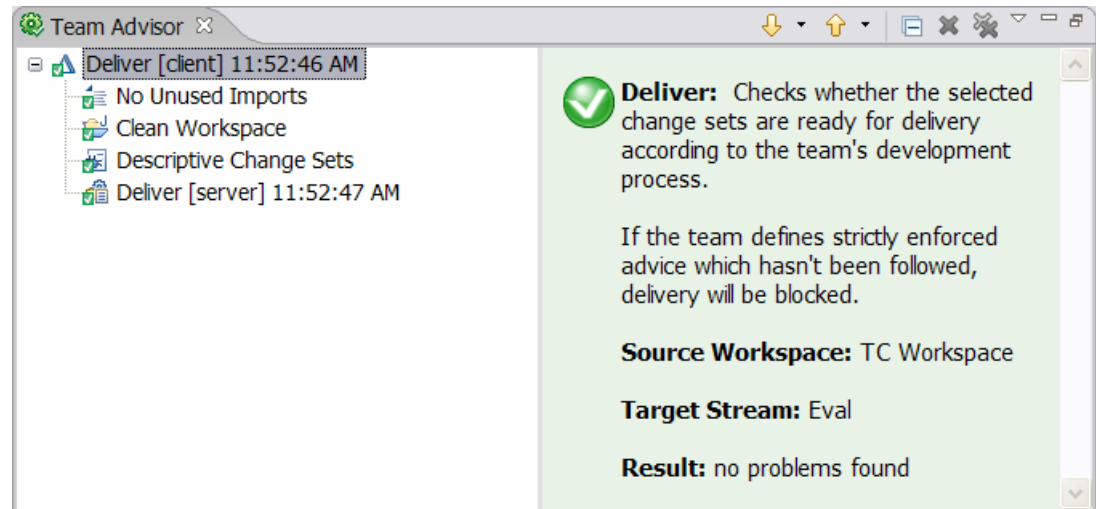
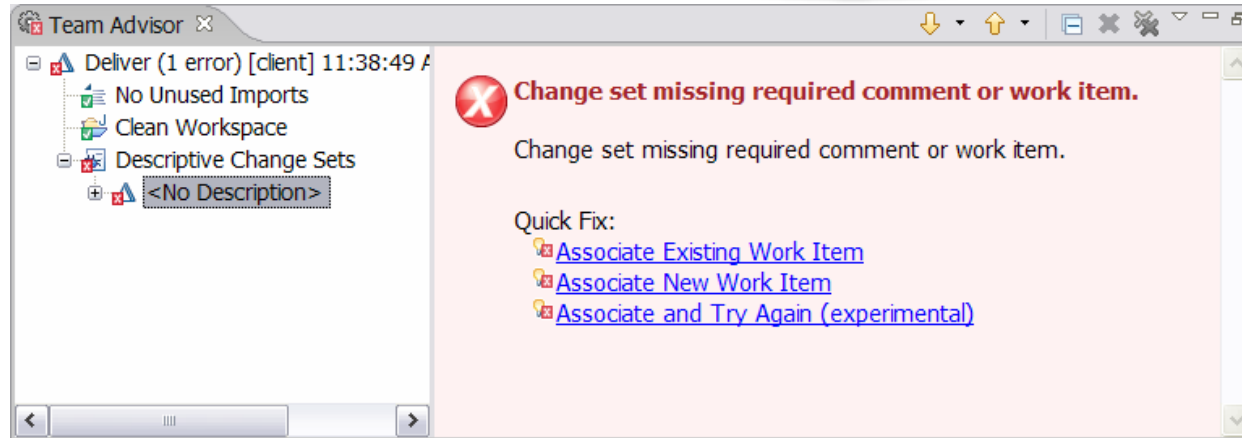
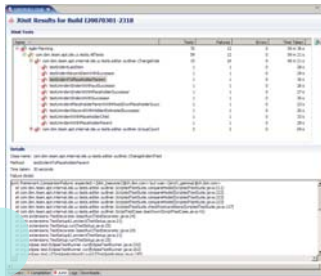
**Project Manager**

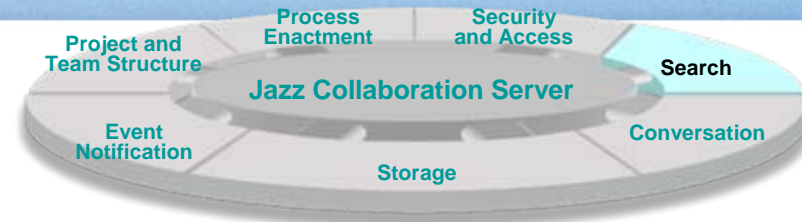


**Developer / Build Engineer**



**Tester**

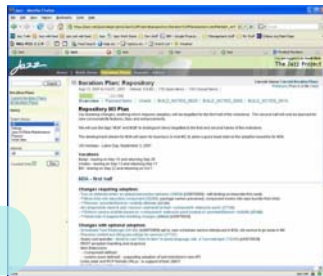




# Assign new tasks



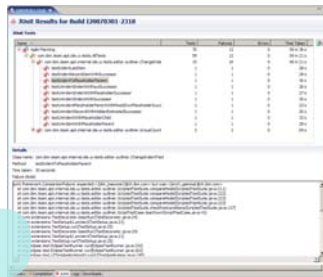
**Project Manager**



**Developer / Build Engineer**



**Tester**



\*21395: Remove deprecated Query API

**Task 21395**

Summary: Remove deprecated Query API    Resolved    Fixed

**Details**

Type: Task

Severity: Normal

Version: Unassigned

Created: 16 avr. 2007 15:23

Created By: Ritchie Schacher

Team Area: Repository / Jazz Project

Category: Repository/Persistence

Tags: query0

Owned By: Ritchie Schacher

Priority: High

Target: 0.6 M1

Estimate: days

Due: 17 avr. 2007

**Links Summary**

- Children (7): 19001, 21402, 21403, 21404, ...
- Subscribers (9): André Weinand, Bill Higgins, ...
- Included in builds (7)
- Change Sets (8)
- Related (1): 18787

**Description**

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.

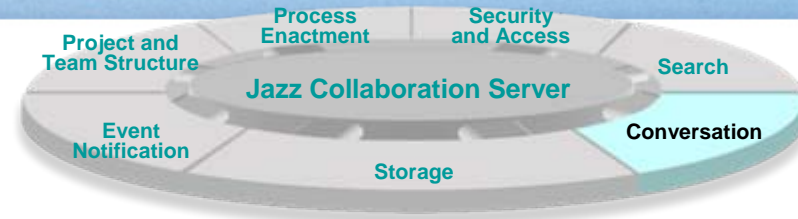
**Discussion** (4 comments; 4 new)

1. James Moody, 16 avr. 2007, 16:29
2. Ritchie Schacher, 16 avr. 2007, 17:00
3. James Moody, 16 avr. 2007, 18:08
4. **James Moody**  
James\_Moody@ca.ibm.com  
Teams: Jazz, Reports, Reports

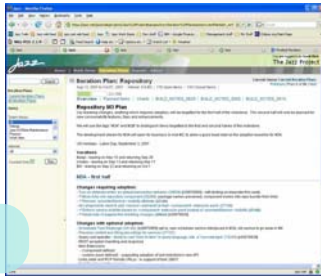
Press 'F2' for Focus

Overview Links History

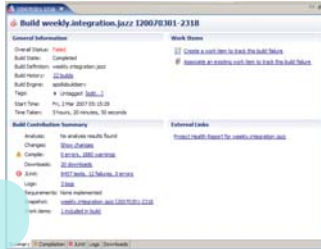
# Team awareness & Collaboration



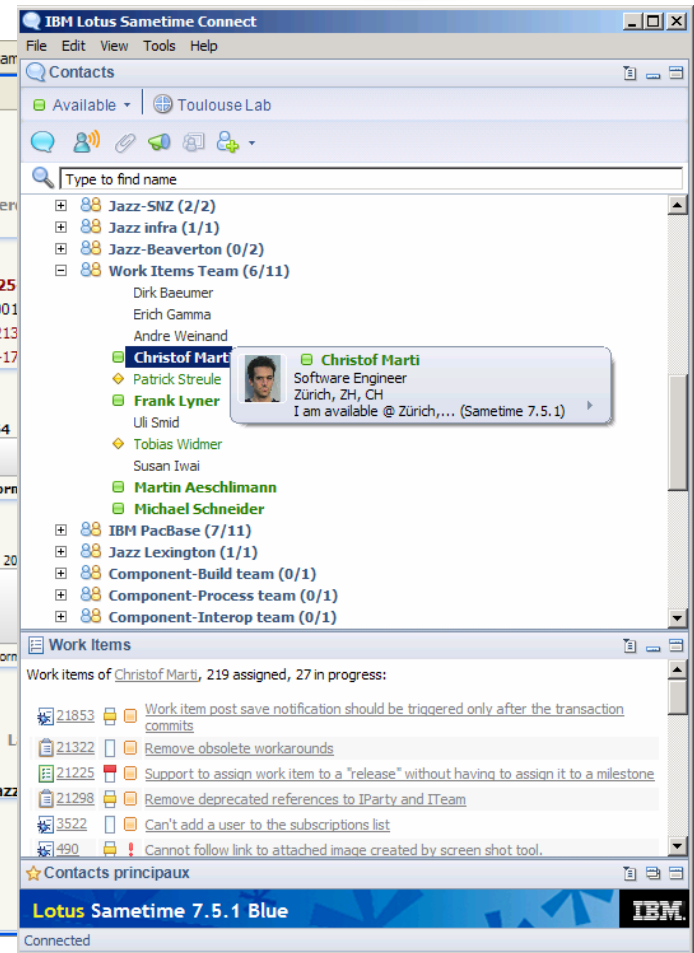
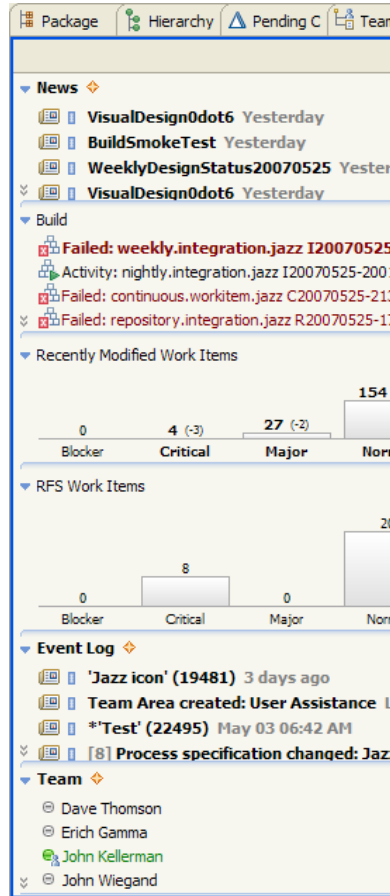
**Project Manager**



**Developer / Build Engineer**

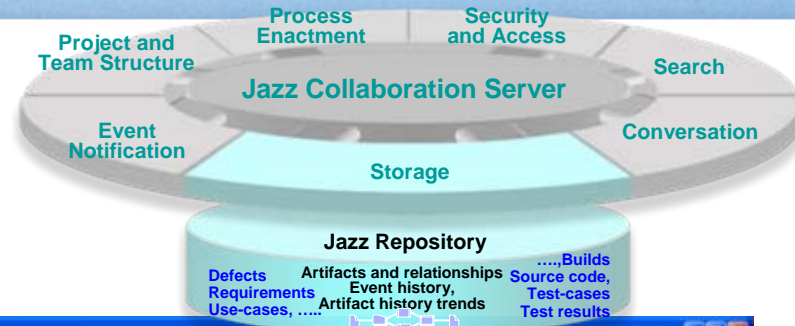


**Tester**

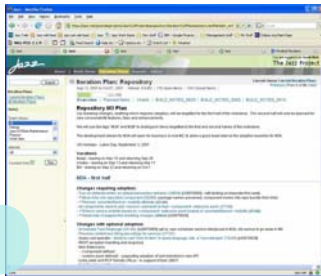




# Monitor project health



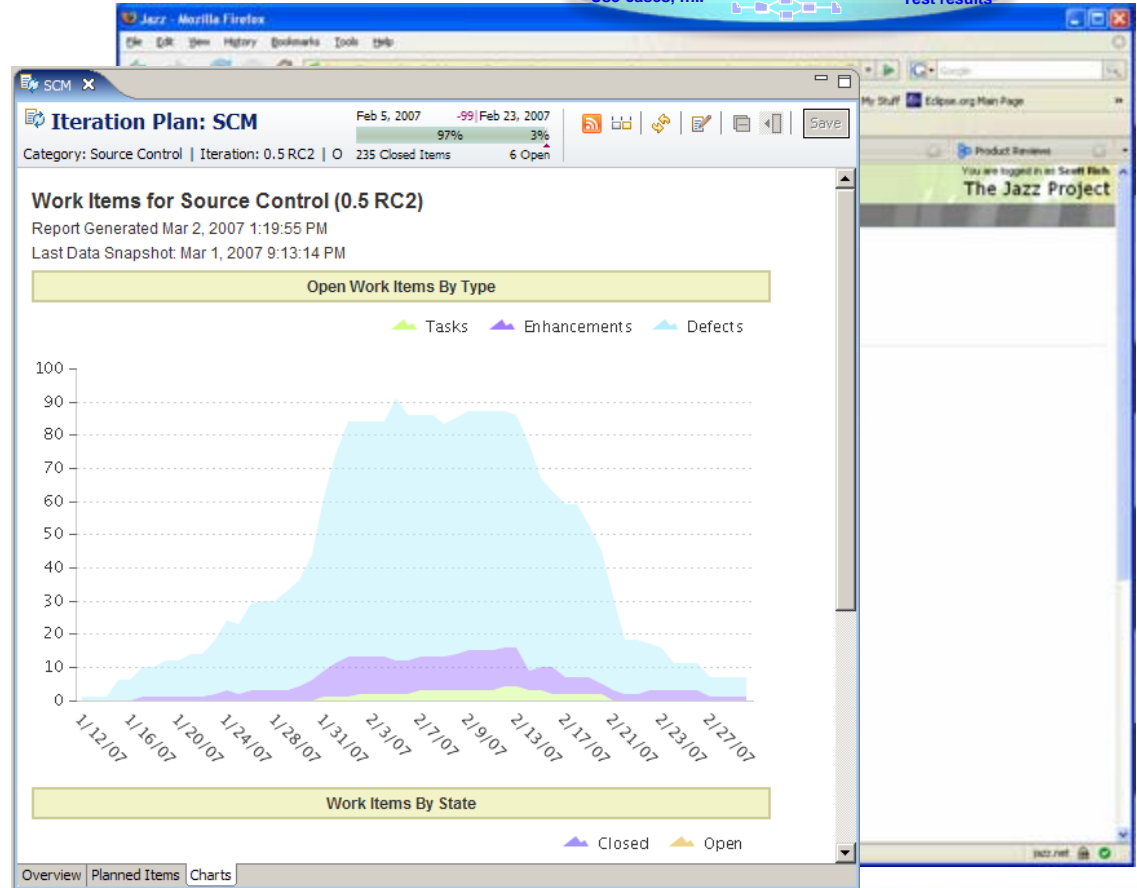
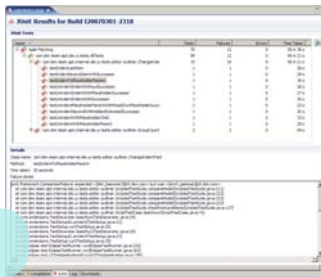
**Project Manager**



**Developer / Build Engineer**



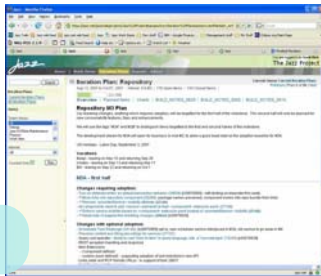
**Tester**



# Collaborative team development with Jazz



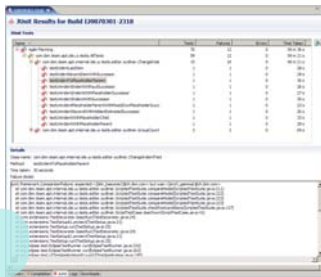
Project  
Manager



Developer /  
Build Engineer



Tester

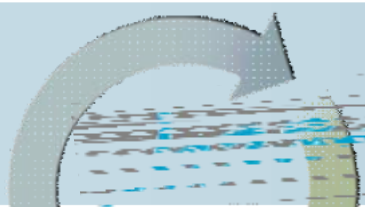


- Jazz ensures that teams can collaborate more effectively
  - Continuous communication and collaboration
    - No artificial barriers to understanding
  - Project transparency without unnecessary overhead
    - Early warning of any problems keeps projects on track
  - Process support and automation
    - No need for heroics just to do the right thing/do things right
- Result: Development organizations deliver better business results with lower variance



# Open Commercial Software Development


**Rational.** Open Commercial Community



Creating, maintaining, and enhancing innovative commercial software through an open transparent process that allows customers to participate directly in the development process

Creating, maintaining, and enhancing software through open, collaborative communities driving evolution of standards and common components

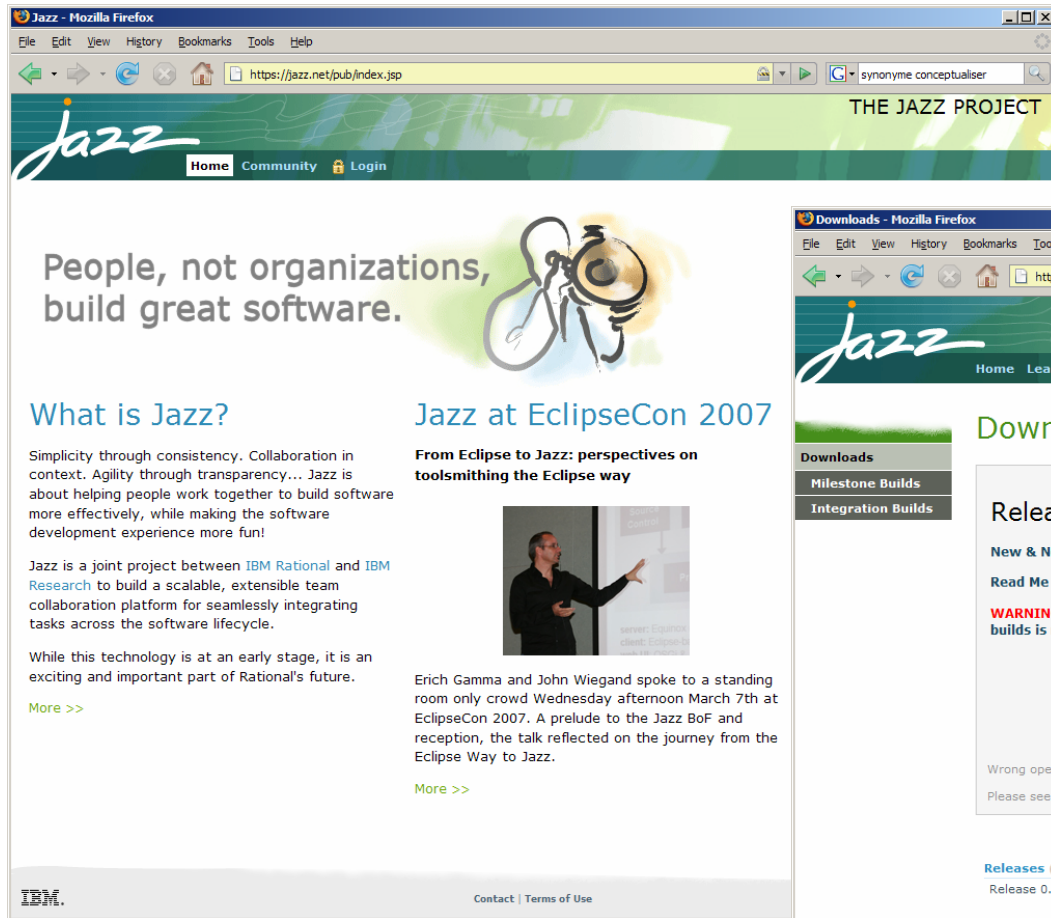


 Open Source Community

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

# Jazz Community Site


[www.jazz.net](http://www.jazz.net)



**Jazz - Mozilla Firefox**  
 File Edit View History Bookmarks Tools Help  
 https://jazz.net/pub/index.jsp  
 synonyme conceptualiser

**THE JAZZ PROJECT**  
 Home Community Login

**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 >>](#)

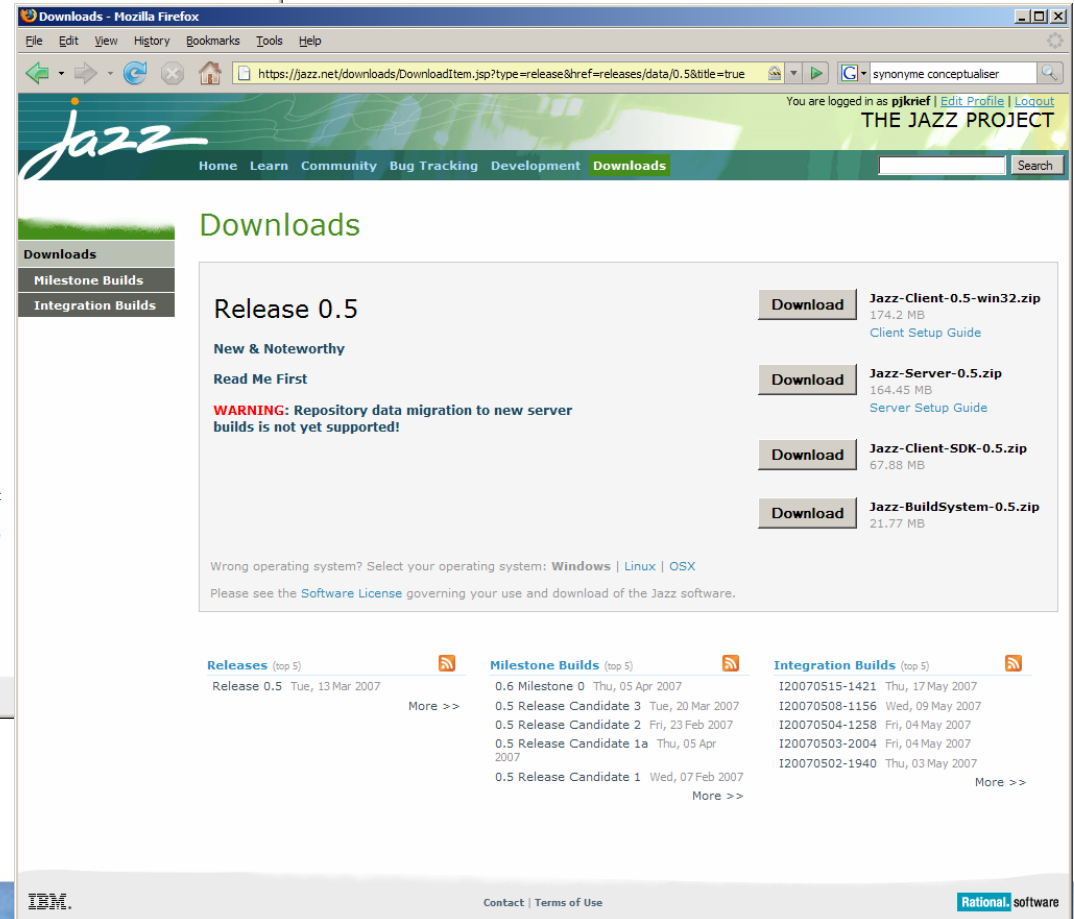
**Jazz at EclipseCon 2007**  
**From Eclipse to Jazz: perspectives on toolsmithing the Eclipse way**



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

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 https://jazz.net/downloads/DownloadItem.jsp?type=release&href=releases/data/0.5&title=true  
 synonyme conceptualiser

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**Release 0.5**

**New & Noteworthy**  
**Read Me First**  
**WARNING:** Repository data migration to new server builds is not yet supported!


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[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

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

**Releases** (top 5)   
 Release 0.5 Tue, 13 Mar 2007 [More >>](#)

**Milestone Builds** (top 5)   
 0.6 Milestone 0 Thu, 05 Apr 2007  
 0.5 Release Candidate 3 Tue, 20 Mar 2007  
 0.5 Release Candidate 2 Fri, 23 Feb 2007  
 0.5 Release Candidate 1a Thu, 05 Apr 2007  
 0.5 Release Candidate 1 Wed, 07 Feb 2007  
[More >>](#)

**Integration Builds** (top 5)   
 I20070515-1421 Thu, 17 May 2007  
 I20070508-1156 Wed, 09 May 2007  
 I20070504-1258 Fri, 04 May 2007  
 I20070503-2004 Fri, 04 May 2007  
 I20070502-1940 Thu, 03 May 2007  
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# Iterations Plans at jazz.net

The screenshot shows the Jazz web application interface in a Mozilla Firefox browser. The page title is "Iteration Plan: Web UI 0.6 M2". The navigation bar includes "Home", "Work Items", "Iteration Plans", "Reports", and "Admin". The user is logged in as "John Kellerman".

**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

**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 (22992)
- 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

The left sidebar contains a search bar, "Iteration Plans" section with "Current Iteration Plans" and "All Iteration Plans" links, a "Query" section with "Team Areas" (All, Interop, Jazz 0.6 Beta Maintenance, Process, Work Item) and "Interval" (0.6 M2) dropdown, and a "Current Only" checkbox with a "Run" button.

# Work Items at jazz.net

Jazz - Mozilla Firefox

File Edit View History Bookmarks Tools Help

https://jazz.net/jazz/web/projects/Jazz%20Project#perspective=Work%20Items

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

New Work Item

New Query

Search

Recently Viewed

Recently created Run

My Queries

None

Shared Queries

Closed created by me

Closed subscribed by me

New unassigned

Open assigned to me

Open assigned to me (current milestone)

Open created by me

Open subscribed by me

Pending approvals for me

Plan Items

RFS

Recently closed

Recently created

Recently modified

Resolved by me

Current Query: Recently created

Previous | 1-43 of 43 | Next

Type Filter Text

Type	ID	Summary	Owner	Status	Priority	Severity	Modified
	27567	Please do not name a ClearQuest record type "Project"	Unassigned	New			3 hours ago
	27566	Fulltext test failures in build I20070717-1701	Benjamin Pasero	New			4 hours ago
	27565	Rename DynamicElement.INTERNAL_ID to DynamicElement.KEY	Christof Marti	New			3 hours ago
	27563	Adapt to Process API change: Renaming in preparation for modeled iterations	Christof Marti	New			4 hours ago
	27562	Adapt to Process API change: Renaming in preparation for modeled iterations	Unassigned	New			46 minutes ago
	27561	Adapt to Process API change: Renaming in preparation for modeled iterations	Unassigned	New			5 hours ago
	27568	annotation synch does not remove queryAnnotation when querable is set to false	Rafik Jaouani	Resolved			5 hours ago
	27557	Enforce shared stream permissions	Jean-Michel Lemieux	New			51 minutes ago
	27560	Adapt to Process API change: Renaming in preparation for modeled iterations	Unassigned	New			5 hours ago
	27556	Support Shared Queries in the web ui	James Moody	New			6 hours ago
	27554	Exceptions running jazz on Websphere Application Server 6.1	Richard Backhouse	New			5 hours ago
	27553	Clean-up and move jazz performance meter into repository.client.tests	James Branigan	New			6 hours ago
	27552	parentid should not be queryable	John Camelon	Resolved			6 hours ago
	27551	getController() still required for default page views	Bill Higgins	New			6 hours ago
	27550	ItemRestService needs to check stateltds on PUT	Todd Lainhart	New			6 hours ago
	27549	Failed auto-resolve leaves empty change-set	Unassigned	New			7 hours ago
	27548	Changes not refreshed for component-specific flow targets	Christophe Cornu	New			6 hours ago
	27547	Add support for BigDecimal extension types	Ritchie Schacher	New			7 hours ago
	27546	Auto-resolve gives error, but checks in anyway	Unassigned	New			7 hours ago
	27545	Change-set left completed after failed Discard	Unassigned	New			7 hours ago
	27544	Conflict between completed change-sets not detected	Unassigned	New			5 hours ago
	27542	CLOB's can't be compared	Unassigned	New			6 hours ago



# Newsgroups at jazz.net

Jazz.net :: View Forum - jazz.user - Mozilla Firefox

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https://jazz.net/forums/viewforum.php?f=1&topicdays=0&start=0

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**The Jazz Project**

Home Learn Community Bug Tracking Development Downloads

**jazz.user**  
Moderators: None

Users browsing this forum: [pjkrif](#)

[new topic](#) [Jazz.net Forum Index -> jazz.user](#)

Goto page [1](#), [2](#), [3](#), [4](#) Next

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Topics	Replies	Author	Views	Last Post
<a href="#">Newbie: New user notification</a>	1	<a href="#">fabickfo</a>	5	Wed Aug 01, 2007 5:33 pm <a href="#">Darin Swanson</a>
<a href="#">Block size too small?</a>	1	<a href="#">Bryan Hunt</a>	8	Wed Aug 01, 2007 11:22 am <a href="#">Dmitry Karasik</a>
<a href="#">Relating two Jazz Repositories</a>	13	<a href="#">cjulbric</a>	93	Tue Jul 31, 2007 5:52 pm <a href="#">cjulbric</a>
<a href="#">Testing my web project</a>	14	<a href="#">praveen.sinha</a>	48	Tue Jul 31, 2007 12:22 pm <a href="#">backhaus</a>
<a href="#">Error, while trying to import from CVS</a>	5	<a href="#">shcherb</a>	21	Tue Jul 31, 2007 5:30 am <a href="#">shcherb</a>
<a href="#">Jazz Platform Beta 0.6M1 Update 1</a>	0	<a href="#">cjulbric</a>	14	Mon Jul 30, 2007 9:48 pm <a href="#">cjulbric</a>
<a href="#">Verify newsgroup access</a> [ Goto page: 1, 2, 3, 4 ]	51	<a href="#">Philippe Krief</a>	131	Mon Jul 30, 2007 6:57 pm <a href="#">bsilverm</a>
<a href="#">Find out how much time a person spent on a work item</a>	2	<a href="#">Christophe Elek</a>	49	Fri Jul 27, 2007 8:19 am <a href="#">twdmer</a>
<a href="#">No Work Item data found for report.</a>	2	<a href="#">rmd</a>	29	Thu Jul 26, 2007 5:21 pm <a href="#">rmd</a>
<a href="#">Report Engine</a>	1	<a href="#">rjcarter</a>	19	Thu Jul 26, 2007 9:54 am <a href="#">jmoody</a>
<a href="#">Problem with JazzTeamServer-I20070711-2021</a>	0	<a href="#">thanhn</a>	15	Wed Jul 25, 2007 2:17 pm <a href="#">thanhn</a>
<a href="#">Giving non-developers web access?</a>	3	<a href="#">Bryan Hunt</a>	31	Wed Jul 25, 2007 5:47 am <a href="#">Christophe Elek</a>
<a href="#">Downloading the Eclipse Con 2007 video</a>	3	<a href="#">peterk</a>	39	Wed Jul 25, 2007 8:36 am <a href="#">peterk</a>



# Wiki at jazz.net

The screenshot shows a Mozilla Firefox browser window displaying the Jazz Team Wiki page. The browser's address bar shows the URL <https://jazz.net/wiki/bin/view>. The page features a green header with the 'jazz' logo and a search bar. The main content area is titled 'Welcome to the Jazz Team Wiki' and includes a navigation menu on the left, a breadcrumb trail, and several sections of text and links.

**WebHome < Main < TWiki - Mozilla Firefox**

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[https://jazz.net/wiki/bin/view](#) Google

**jazz™** Jump Search

**Main** Edit WYSIWYG Attach Printable

Hello Philippe Krief! [Log Out](#)

**My links:**

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- [My Main activities \\* edit](#)

**Main Web**

- [Index](#)
- [Search](#)
- [Changes](#)
- [Notifications](#)
- [Statistics](#)
- [Preferences](#)

**Webs**

- [Main](#)
- [Trash](#)

You are here: [TWiki](#) > [Main Web](#) > WebHome r46 - 31 Jul 2007 - 18:52:14 - JimDesRivieres

## Welcome to the Jazz Team Wiki

This wiki is used by the Jazz team to share documents created by the development team.

[Guidelines for this wiki](#)

[Planning](#) - Overall planning for the project; everything from the plan for the upcoming release, down to status reports for our bi-weekly planning calls

- Hot topics: [0.6 Release Plan](#) - [PMC Iteration Plan/Themes](#) - [Current milestone plan](#) - [Beta 0.6M1 Maintenance Plan](#)

[Release Engineering](#) - How we coordinate project-wide builds

[Developer Setup](#) - How to set things up to develop for the Jazz Platform

[Project Documents](#) - General documents that are of wide scope

- Hot topics: [Naming Conventions](#) - [Component Version Numbering](#) - [Use of Java 5 in Jazz APIs](#) - [Glossary](#) - [UI Check List](#) - [Repository Migration](#)

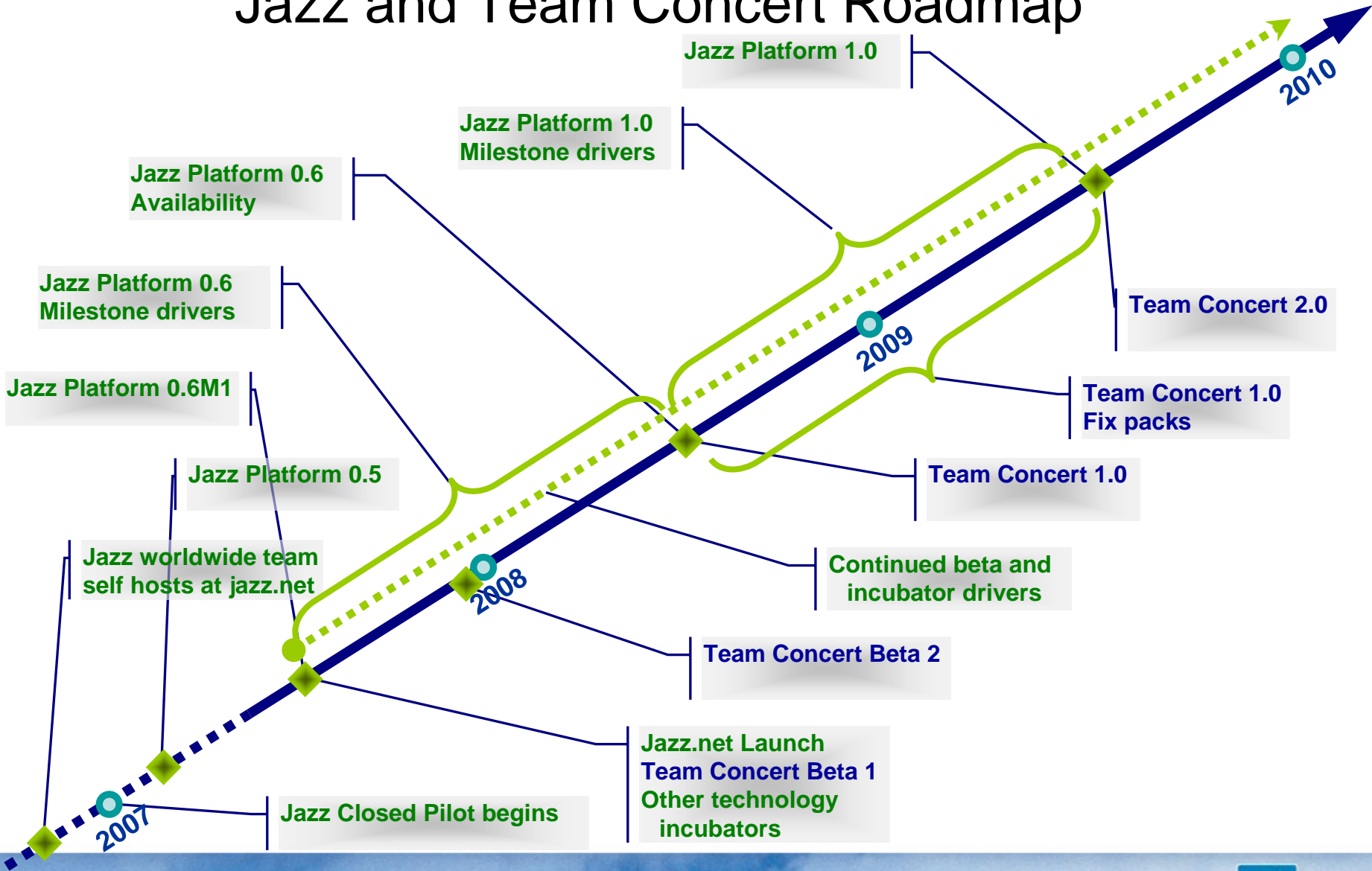
**Components** - Documents about the major Jazz components

- [Repository](#)
- [Process](#)
- [Work Items](#)
- [Source Control](#)
- [Build](#)
- [Web UI Foundation](#)
- [Eclipse UI Foundation](#)
- [Synchronous Collaboration](#)
- [Agile Planning](#)
- [CC/CQ Connectors](#)





# Jazz and Team Concert Roadmap



# TEC - Technical Exploration Center - @ Paris

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« 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

**Philippe Krief**  
 Jazz Jumpstart team  
 pjkrif@fr.ibm.com



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