

TENDANCES LOGICIELLES 2008
Mardi 25 mars 2008 - Hilton Arc de Triomphe



Rational Team Concert

jazz



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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



Agenda

- Jazz
- Rational Team Concert
- Démonstration



Les forces en présence

- Le phénomène Eclipse et ses enseignements
- Modèle de développement agile
- Emergence du Web 2.0 et des réseaux sociaux
- Equipes globales et distribuées
- Force de la communauté des développeurs
- Application Lifecycle Management (ALM)

→ "right-size governance"



Vous avez dit Jazz ?

Nouvelle plate-forme IBM de développement logicielle.

Jazz doit fluidifier la collaboration des équipes de développement.

Innovation

Investissement majeur IBM
Socle technique extensible

Evolution

Les produits Rational convergent vers Jazz
Délivrer la plate-forme de demain

Communauté

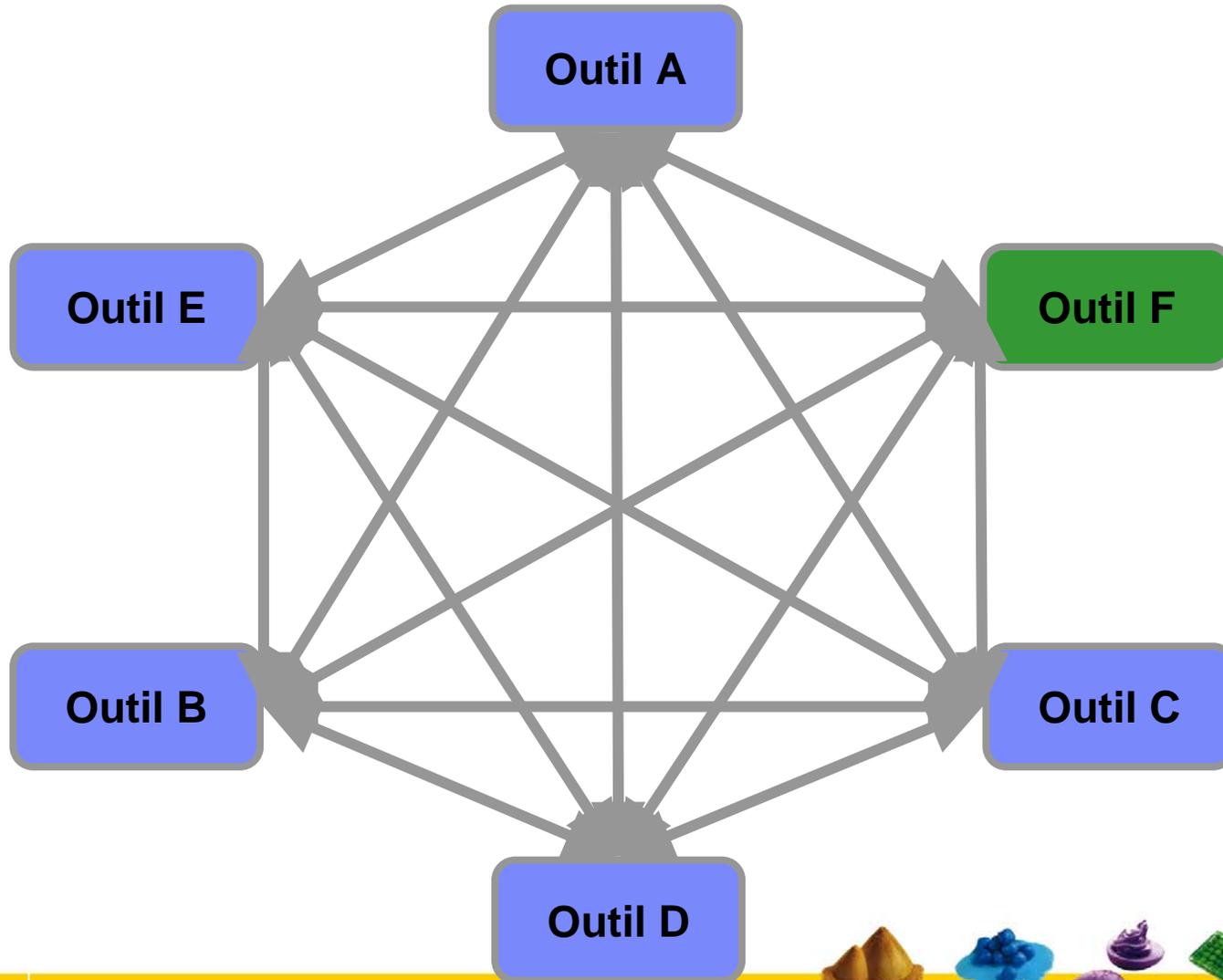
www.jazz.net
Approche *open commercial*

Vision

Equipes de plus en plus mouvantes et distribuées
Besoin de fluidité et de souplesse

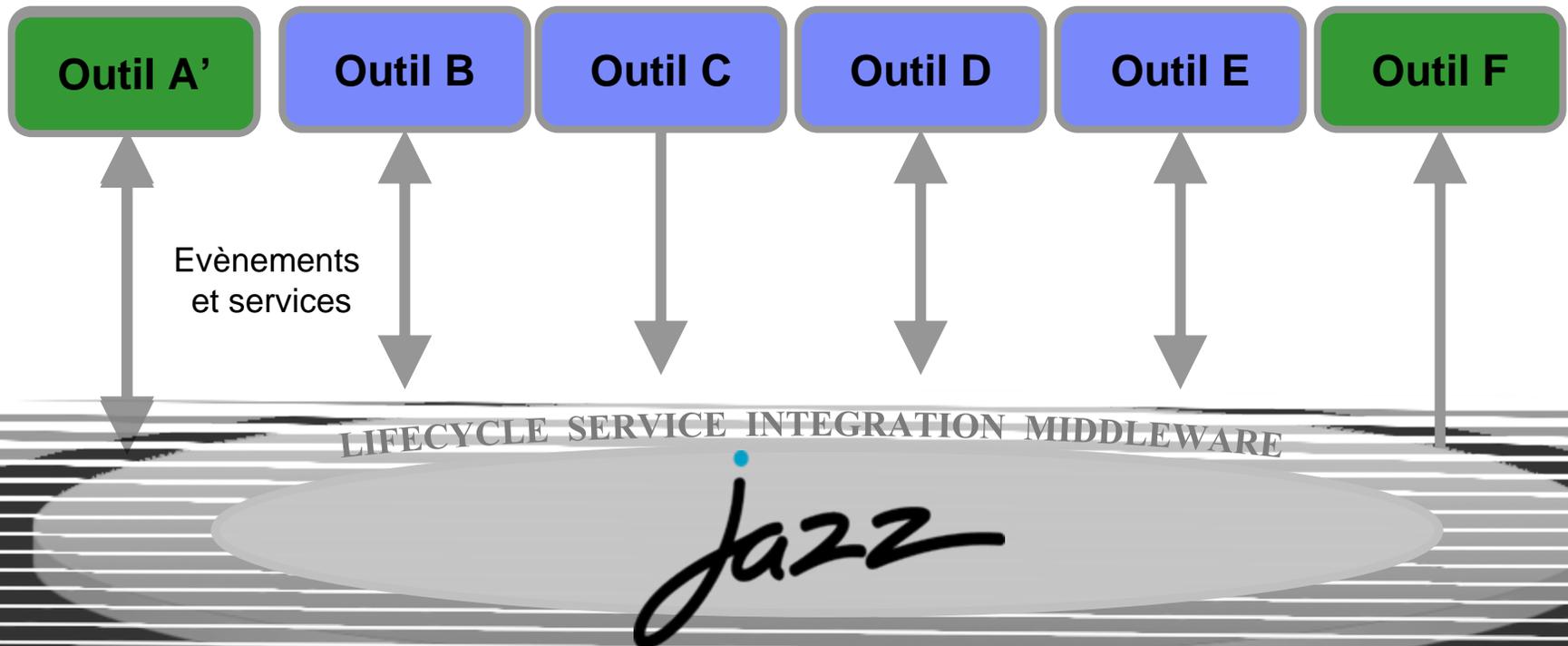


Intégration point-à-point des outils



Intégration assurée par un middleware

- Avec la plate-forme Jazz, les outils ne communiquent pas directement entre eux.
- Jazz émet et reçoit des événements standardisés.
- Les différents outils s'intègrent sur ce bus logiciel.



Team Collaboration Services



Jazz est la plate-forme d'intégration Rational

Client Eclipse & Web 2.0

Equipes distribuées



LIFECYCLE SERVICE INTEGRATION MIDDLEWARE

Processus de développement

Collaboration en temps réel
Information dans son contexte

Cohérence entre les artefacts

Powered by *Jazz*

Rational software
Method Composer

Agile Plug-ins (optional)

Rational software
Asset Manager

Portfolio Manager

Performance Tester

⋮

Rational software
ClearQuest

ClearCase

* Beta 2

Rational software
New Products for Agile Development

* Incubators

IBM Business Partner
WebSphere
Lotus **Tivoli**
etc ...



En quoi Jazz est-il différent?

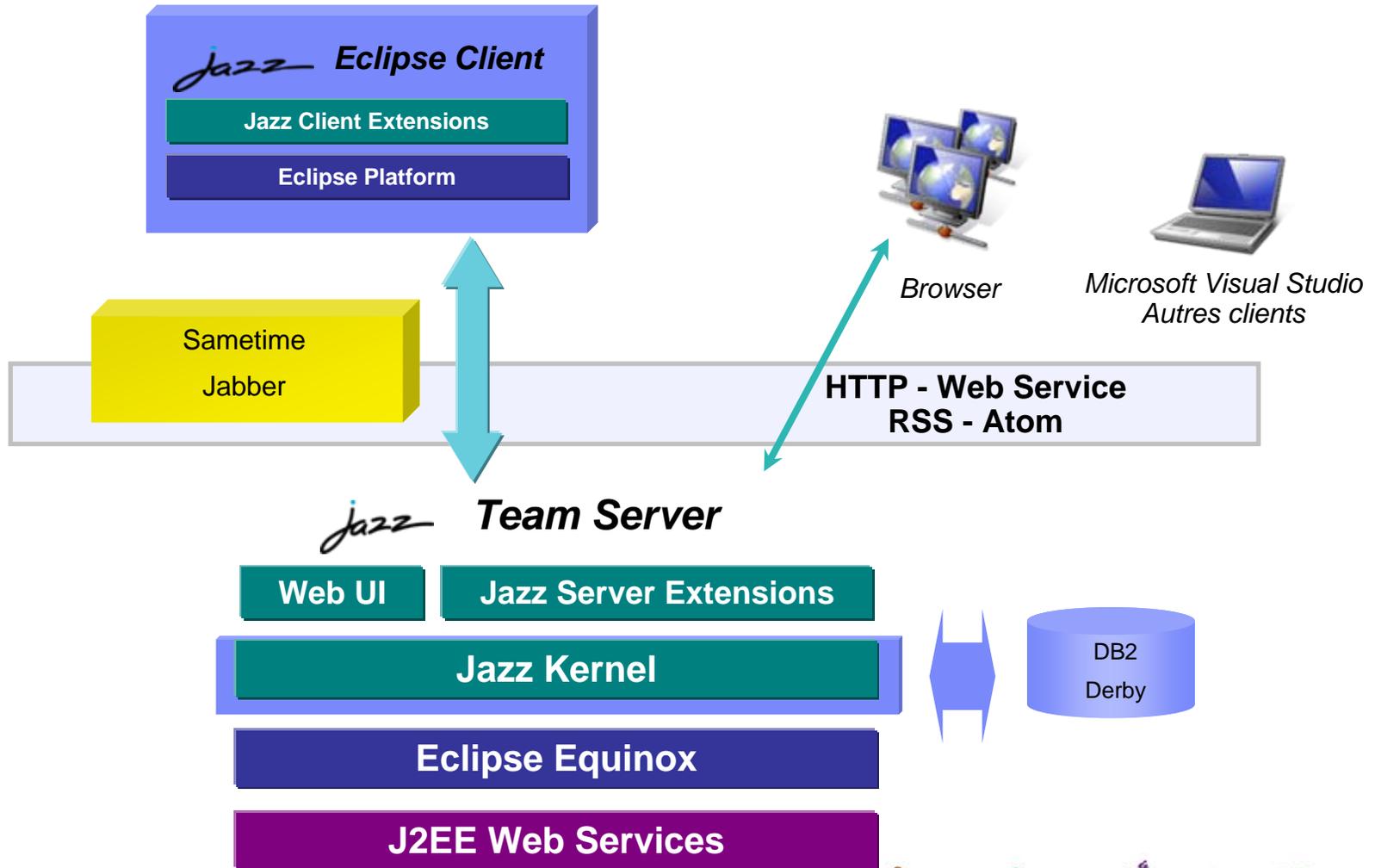
Intégration du poste de travail
→ **Intégration du cycle de vie**

Focus sur les fonctions
→ **Focus sur l'équipe**

Démarche manuelle
→ **Processus industriel et transparent**



Une architecture ouverte – orientée services

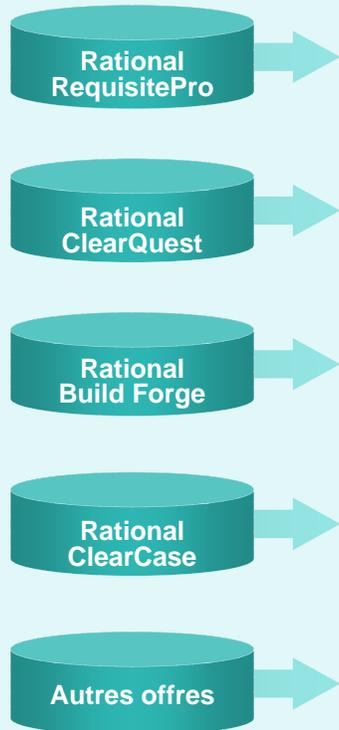


Rational

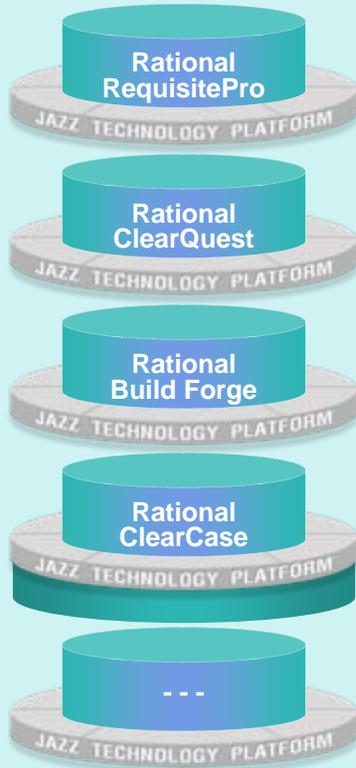
jazz - inside

Evolution de la plate-forme Rational : Software Delivery Platform

Offres existantes



Evolution to Jazz Technology Platform



Nouvelles offres



Agenda

- Jazz

Rational Team Concert

- Démonstration



Rational Team Concert ?

Première famille de produits basée sur Jazz

- Développement agile
- Coordination de l'équipe par un serveur d'intégration
- Client Eclipse

Proposition de Valeur

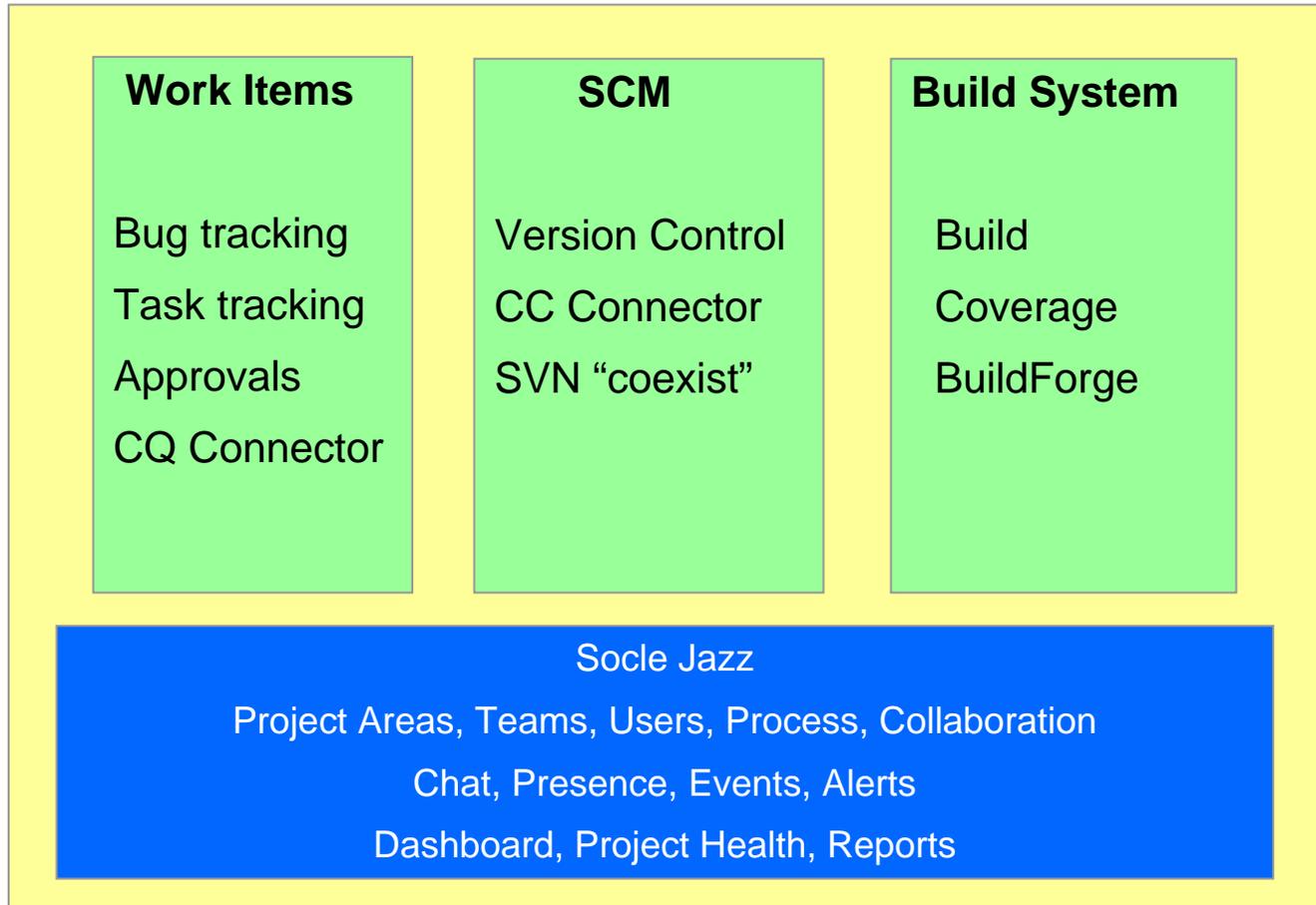
- ALM flexible
- Administration réduite
- Equipes agiles de petite taille



RTC est la première pierre de la nouvelle plate-forme Rational
"lifecycle service integration"



Rational Team Concert



Et ClearCase / ClearQuest / BuildForge ?

- Outils Rational actuels
 - ▶ Acteurs majeurs du marché
 - ▶ Solutions d'entreprise
 - ▶ Colonne vertébrale des équipes de développement

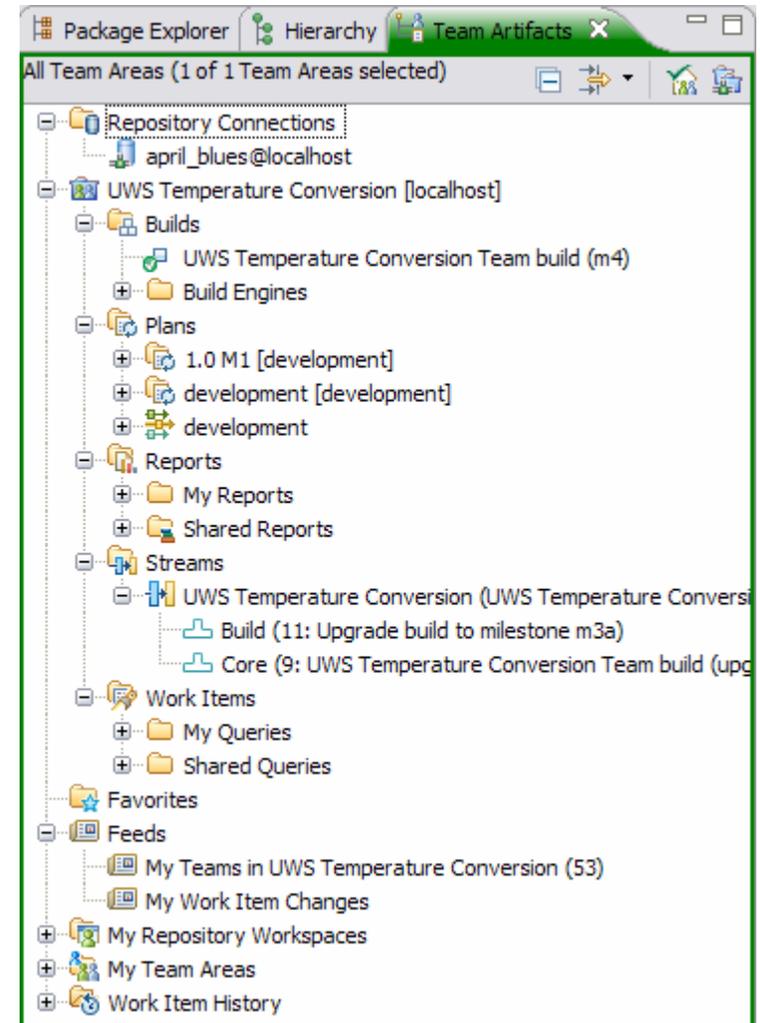
- Team Concert
 - ▶ Environnement collaboratif
 - ▶ Equipes réduites (5-25)
 - ▶ Développement agile

→ Team Concert va apporter une valeur supplémentaire aux solutions Rational



Navigateur : *Team Artifacts*

- Portail Équipe & Projet
- Accès centralisé aux artifacts
- Référentiels et souscriptions
- Zooms
 - ▶ Builds
 - ▶ Plans
 - ▶ Rapports
 - ▶ Activités
 - ▶ ...



Work Items

Task 21395

Summary: Remove deprecated Query API

Status: Resolved

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

Description

This is an umbrella to capture all places where components must opt in to 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 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

Links Summary

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

Package | Hierarchy | Pending C | Team Arti | Team Cen

News (67 unread)

- VisualDesign0dot6 Yesterday
- BuildSmokeTest Yesterday
- WeeklyDesignStatus20070525 Yesterday
- VisualDesign0dot6 Yesterday

Build (10 events)

- Failed: weekly.integration.jazz I20070525-1613
- Activity: nightly.integration.jazz I20070525-2001 (test suite com.ibm.team.proces...
- Failed: continuous.workitem.jazz C20070525-2134
- Failed: repository.integration.jazz R20070525-1752

Recently Modified Work Items (00:00 updated)

0	4 (-3)	27 (-2)	154 (-81)	1 (-1)	0
Blocker	Critical	Major	Normal	Minor	Unclassified

RFS Work Items (00:00 updated)

0	8	0	20	0	0
Blocker	Critical	Major	Normal	Minor	Unclassified

Event Log (4 unread)

- 'Jazz icon' (19481) 3 days ago
- Team Area created: User Assistance Last Week
- *Test' (22495) May 03 06:42 AM
- [8] Process specification changed: Jazz Project Apr 26 06:47 PM

Team (1/7)

- Dave Thomson
- Erich Gamma
- John Kellerman
- John Wiegand

Suivi

Tâches

Builds

Définition

Build weekly.integration.jazz I20070301-2318

General Information

Overall Status: **Failed**
 Build State: Completed
 Build Definition: weekly.integration.jazz
 Build History: [22 builds](#)
 Build Engine: apollobuildserv
 Tags: ▶ Untagged [\[edit...\]](#)
 Start Time: Fri, 2 Mar 2007 05:15:29

Work Items

- Create a work item to track this build failure
- Associate an existing work item to track this build failure

External Links

[Project Health Report for weekly.integration.jazz](#)

Tracabilité et Suivi

JUnit Results for build I20070301-2318

JUnit Tests

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.ChangeInde	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
testUnindentIndentWithoutSuccessor	1	1	0	26 s
testUnindentIndentWithPlaceholderSuccessor	1	1	0	27 s
testUnindentIndentWithSuccessor	1	1	0	30 s
testUnindentPlaceholderParentWithMixedOwnPlaceholderSucco	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.ChangeIndentTest
 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.ScriptedTestSuite.compareModel(ScriptedTestSuite.java:211)
    at com.ibm.team.appt.internal.ide.ui.tests.editor.outliner.ScriptedTestSuite.compareModel(ScriptedTestSuite.java:223)
    at com.ibm.team.appt.internal.ide.ui.tests.editor.outliner.ScriptedTestSuite.compareModel(ScriptedTestSuite.java:223)
    at com.ibm.team.appt.internal.ide.ui.tests.editor.outliner.ScriptedTestSuite.compareModel(ScriptedTestSuite.java:223)
    at com.ibm.team.appt.internal.ide.ui.tests.editor.outliner.ScriptedTestSuite.checkPostconditions(ScriptedTestSuite.java:137)
    at com.ibm.team.appt.internal.ide.ui.tests.editor.outliner.ScriptTestCase.tearDown(ScriptTestCase.java:41)
    at junit.extensions.TestDecorator.basiRun(TestDecorator.java:24)
    at junit.extensions.TestSetup$1.protect(TestSetup.java:21)
    at junit.extensions.TestSetup.run(TestSetup.java:25)
    at junit.extensions.TestDecorator.basiRun(TestDecorator.java:24)
    at junit.extensions.TestSetup$1.protect(TestSetup.java:21)
    at junit.extensions.TestSetup.run(TestSetup.java:25)
    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



Collaboration

dfholt@us.ibm.com - Derek F Holt/Raleigh/IBM [started: ...]

File Edit View Tools Help

Type to find name

Derek F. Holt

Derek F. Holt
Senior IT Specialist - WW Sales & Technical Empowerm...
1-919-699-1350 / Raleigh, NC, US / 12:27 PM
I am available @ Raleigh, US (Sametime 7.5.1)

dfholt@us.ibm.... [defect 23](#) 12:27:16 PM
Can you take a look at this work item? 12:28:01 PM

Send

Jazz Project Dashboard

Home | Source Control | Work Items | Reports | Iteration Plans | Dashboards

Builds
There are no builds applicable to the current scope.

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 PWC. The team members listed in this project area constitute the PWC.

Teams (52)
Community2
Jazz 9.6 Beta Maintenance
Jazz
<defunct>
Jazz 9.5 Maintenance

Recently created (133)
37276 A defect under the task
37518 test
37418 Another Item
37515 A new task in that group
37516 A new work item Above
37517 A new work item below
37514 new
37513 task
37493 Consider ordering a pizza
37395 Get rid of cockroaches in kitchen before cooking

Event Log (53)
Need ability to consider an iteration phase as non-development time! (37625)
Fix spelling in Recent News editor for users! (36992)
Another Item! (37418)
Fix spelling in Recent News editor for users! (36992)

Recently created (93) Severity
Bar chart showing severity distribution: Major (red), Minor (blue). Total: 93.

News Feed (44)
IBM Rational head: We're transforming Jazz and the Eclipse Way of Collaboration
Jazz Working in Concert With Rational Podcast: Erich Gamma on IBM Rational Jazz, OOPSLA '07, RedHawk Radio #43

Recently modified (38... Owned By)
Pie chart showing ownership distribution. Legend: Johannes R., Frank Spier, Michael Sch..., Ursiniger B., Heather Fi..., Tobias W..., Dirk Baerentzen, Peter 999.

Useful Links
technology
Eclipse
Jazz.net

Copyright © 2007 IBM Corporation
Powered by Jazz Team Server Version 3.6.0.0 (20071227.1754)

Gestion de l'équipe

Team Ar My V

Team Load Agile Planning, 0.6 M4

	Hours: 168 / 235	Estimated: 73%
	Hours: 168 / 180	Estimated: 33%
	Hours: 80 / 303	Estimated: 20%
	Hours: 168 / 124	Estimated: 73%

Dashboards



Processus de développement

- Définition
- Implémentation
- Suivi
- Assistance

Exemple : Eclipse-way

The screenshot shows the Eclipse Way website interface. The main content area displays a 'Welcome to the Eclipse Way!' message, followed by a paragraph describing the agile development process. Below the text, there is a table with a single row containing a link to 'Day to Day and Planning'. The table also lists several sub-topics: Eclipse Way Roles, Eclipse Way Disciplines, Eclipse Way Work Products, and Delivery Process: Eclipse Way (Reference).

<ul style="list-style-type: none"> • Eclipse Way Roles • Eclipse Way Disciplines • Eclipse Way Work Products • Delivery Process: Eclipse Way (Reference)
--

The screenshot shows the Team Advisor window with an error message. The error message is: 'Change set missing required comment or work item.' Below the error message, there are three quick fix options: 'Associate Existing Work Item', 'Associate New Work Item', and 'Associate and Try Again (experimental)'.

Change set missing required comment or work item.

Change set missing required comment or work item.

Quick Fix:

- [Associate Existing Work Item](#)
- [Associate New Work Item](#)
- [Associate and Try Again \(experimental\)](#)

Contrôles



Suivi de projet en temps réel

Iteration Plan: SCM Feb 5, 2007 -99 Feb 23, 2007
 Category: Source Control | Iteration: 0.5 RC2 | 235 Closed Items 6 Open

Overview

This is a short milestone, only two weeks of development. To succeed we have to stay focused and put our efforts on the right things. The themes go help guide us are:

- ◆ Baseline support and combined accept selfhosting for all.
- ◆ We are eating our own dog-food and we want to fix some key selfhosting pain points.
- ◆ Polish (exceptionHandling, UI menus, perspectives)

At the end of this milestone we are going to [demo Jazz](#) push, however the theme here is to demo how we use Jazz for selfhosting won't be considered. For overall cross [wish list](#).

Dates to remember

- ◆ Feb 5-16 are development weeks.
- ◆ Feb 19-23 is milestone week and deployment.
- ◆ Feb 26 - Mar 2 is no development, all managers r
- ◆ March 5-9 is EclipseCon week/demo

Server

There are no planned model or migration for SCM in RC2 interface changes for more process enablement. We had but defectthis isn't a critical fix and probably should be le

Committed

- ◆ Baseline support and combined accept (Carol, Joh
 - The goal is to fix all issues that get in the v
 - Dmitry will finish the migration away from
 - Carol will continue the push on test covera

Overview | Planned Items | Charts

Iteration Plan: SCM Feb 5, 2007 -99 Feb 23, 2007
 Category: Source Control | Iteration: 0.5 RC2 | 235 Closed Items 6 Open

Open items: 0 | Closed items: 3

- Heather Fraser-Dubé
Open items: 0 | Closed items: 13
- James Syngé
Open items: 0 | Closed items: 0
- Jean-Michel Lemieux
Open items: 0 | Closed items: 38
- John Camelon
Open items: 0 | Closed items: 9
- Markcc
Open items: 0 | Closed items: 0
- Mike Champion
Open items: 0 | Closed items: 2
- Mick Edgar
Open items: 5 | Closed items: 18

- Expansion default for the Changes Explorer is too simple (181) Estimate: 0 - days Priority: Low
- IllegalArgumentException attempting to add collaboration when repo not set Estimate: 0 - days Priority: Unassigned
- Compare a snapshot with something else (18187) Estimate: 0 - days Priority: Low
- Can't add component from snapshot for same workspace (16313) Estimate: 0 - days Priority: Unassigned
- Unload and open action in Pending view are disabled when an empty workspace is loaded (15830) Estimate: 0 - days Priority: Unassigned

Overview | Planned Items | Charts

Iteration Plan: SCM Feb 5, 2007 -99 Feb 23, 2007
 Category: Source Control | Iteration: 0.5 RC2 | 235 Closed Items 6 Open

Work Items for Source Control (0.5 RC2)

Report Generated Mar 2, 2007 1:19:55 PM
 Last Data Snapshot: Mar 1, 2007 9:13:14 PM

Open Work Items By Type

Legend: Tasks (green), Enhancements (purple), Defects (light blue)

Work Items By State

Overview | Planned Items | Charts

Next Plans

- 0.6 M1
- 0.6 M0



Client Web

- Rich Client
- Technologies Ajax
- Tous les intervenants peuvent se connecter sans installer Eclipse
- www.jazz.net

The image displays two screenshots of the IBM Jazz web interface, demonstrating its rich client capabilities through Ajax technologies.

Left Screenshot: Current Query

Type	ID	Summary	Owner	Status	Priority	Severity
	24408	Build query view should provide affordances to populate view	Ryan Manettier	Resolved		
	26239	Forcing selection of a process too early	Jared Burns	Resolved		
	27095	Send Team Invitation should explain what it is all about	Darin Swanson	Resolved		
	27428	Hide / move down Past targets / versions as available targets in the WI editor	André Weinand	Resolved		
	25329	Auto-merge is file extension dependent	Stefan Xenos	Resolved		
	27386	Allow the option of continuing when non-text files are detected	Stefan Xenos	Resolved		
	27390	JSON-demarshalled objects always appear to be new items	Balaji Krish	Resolved		
	27415	Check for null service and method in ARM service proxy code	Matt Lavin	Resolved		
	25982	New snapshot service didn't get tables created in the repository migration	Balaji Krish	Resolved		
	27658	annotation synch does not remove query/annotation when queryable is set to false	Rafik Jbouani	Resolved		
	27543	Clicking a subscriber results in an incorrectly formatted email address	Larry Smith	Resolved		
	20723	ChangeEventService must truncate the eventTitle and description fields	Todd Laihart	Resolved		
	26486	ItemRestService needs to support (de)serialization of state extensions	Todd Laihart	Resolved		
	17668	TAN Menu Organization	James Moody	Resolved		
	27108	ContributorService cache updates fail under load	James Syme	Resolved		
	27652	parentid should not be queryable	John Camelon	Resolved		
	28820	move off Internal ContentArea widget	Larry Smith	Resolved		
	27224	New work items report should default to current milestone like the other work item reports	James Moody	Resolved		
	20058	Error attempting to Refresh PAE when not logged in	Darin Swanson	Resolved		
	21431	Don't show notification toast for my own deliveries	Jean-Michel Lemieux	Resolved		
	28217	Create package emf-dien-base in binary prereqs	Sonia Dimitrov	Resolved		
	10541	Items should define constant for magic number 250	Stéphane Schacher	Resolved		

Right Screenshot: Iteration Plan: Repository

Overview | **Planned Items** | Charts | MZA Build Notes

Show: Status description Exclude: Resolved Group By: Owner Category

Todd Laihart
Open Items: 11 Closed Items: 18

- ItemRestService serialization needs to support item references as HREFs (26487)
Estimate: 3 days Priority: High Category: Gateway
- Modify CrudRpcService and ItemRestService to use the same ICrudService dispatch mechanisms (26490)
Estimate: 1 day Priority: High Category: Gateway
- ItemRestService needs to check stateids on PUT (27550)
Estimate: - days Priority: High Category: Gateway
- limit future event creation/query (25529)
Estimate: 2 days Priority: Medium Category: Gateway
- Boolean and Numeric values are not being marshalled correctly to JSON (12505)
Estimate: 2 days Priority: Medium Category: Gateway
- ItemFetchRestService3 should set "forever" maxAge on state requests (15843)
Estimate: 1 day Priority: Medium Category: Gateway
- "Copy Web URL to clipboard" in work item editor does not respect server aliasing (17037)
Estimate: 2 days Priority: Medium Category: Repository
- Allow extensions to define named location segments (17676)
Estimate: - days Priority: Medium Category: Gateway
- ChangeEventServiceTest assumes server not already started (23192)
Estimate: 1 day Priority: Medium Category: Service
- Add better diagnostics to feed service, perhaps other services (24822)
Estimate: 3 days Priority: Medium Category: Gateway
- Replace use of JSONEObject SOAP marshaller in ItemRestService and gateway with non-SOAP-based serializer (26236)
Estimate: - days Priority: Medium Category: Gateway



RTC en résumé ...

- Collaboration de l'équipe
- Suivi de projet
- Processus de développement
- Activités / Tâches (*Work Items*)
- Gestion de configuration
- Builds



Agenda

- Jazz
- Rational Team Concert

Démonstration





Thank You



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 :

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

– 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 ...



You're invited

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