

Jazzing up software delivery

Erich Gamma



IBM Rational Software Development Conference 2008

WHERE TEAMS ARE **R-HEROES**

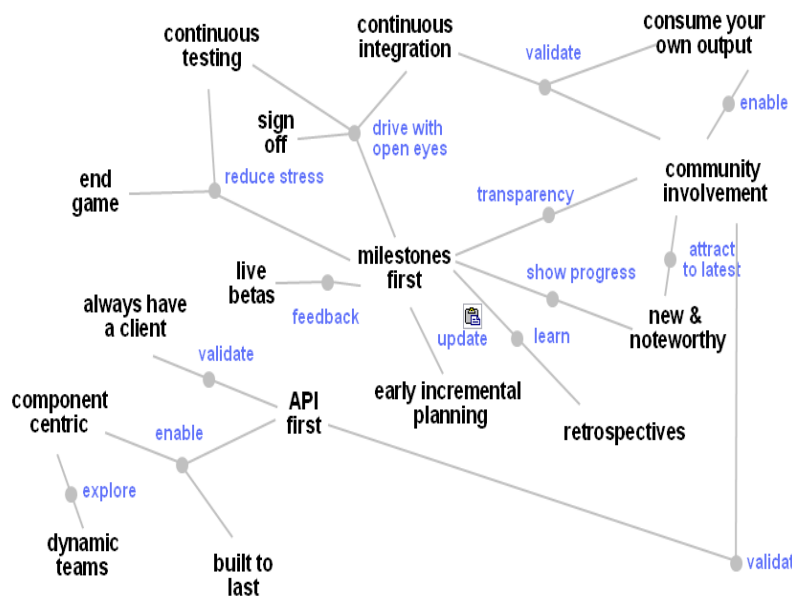


Rational. software

Collaborative Software Development
Rational Team Concert

Our Journey

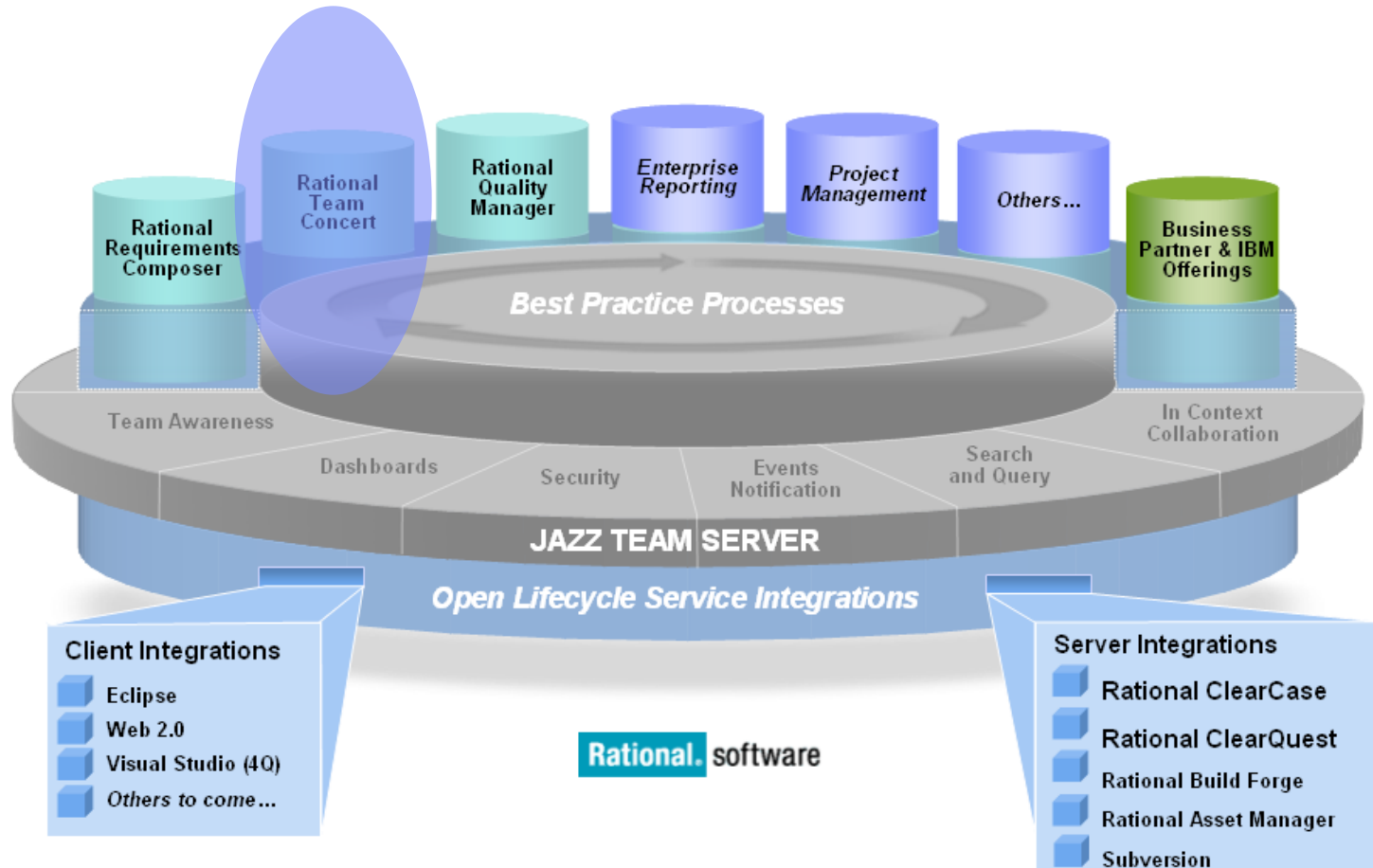
Eclipse Way



IDE -> XDE -> CDE



Jazz and Team Concert



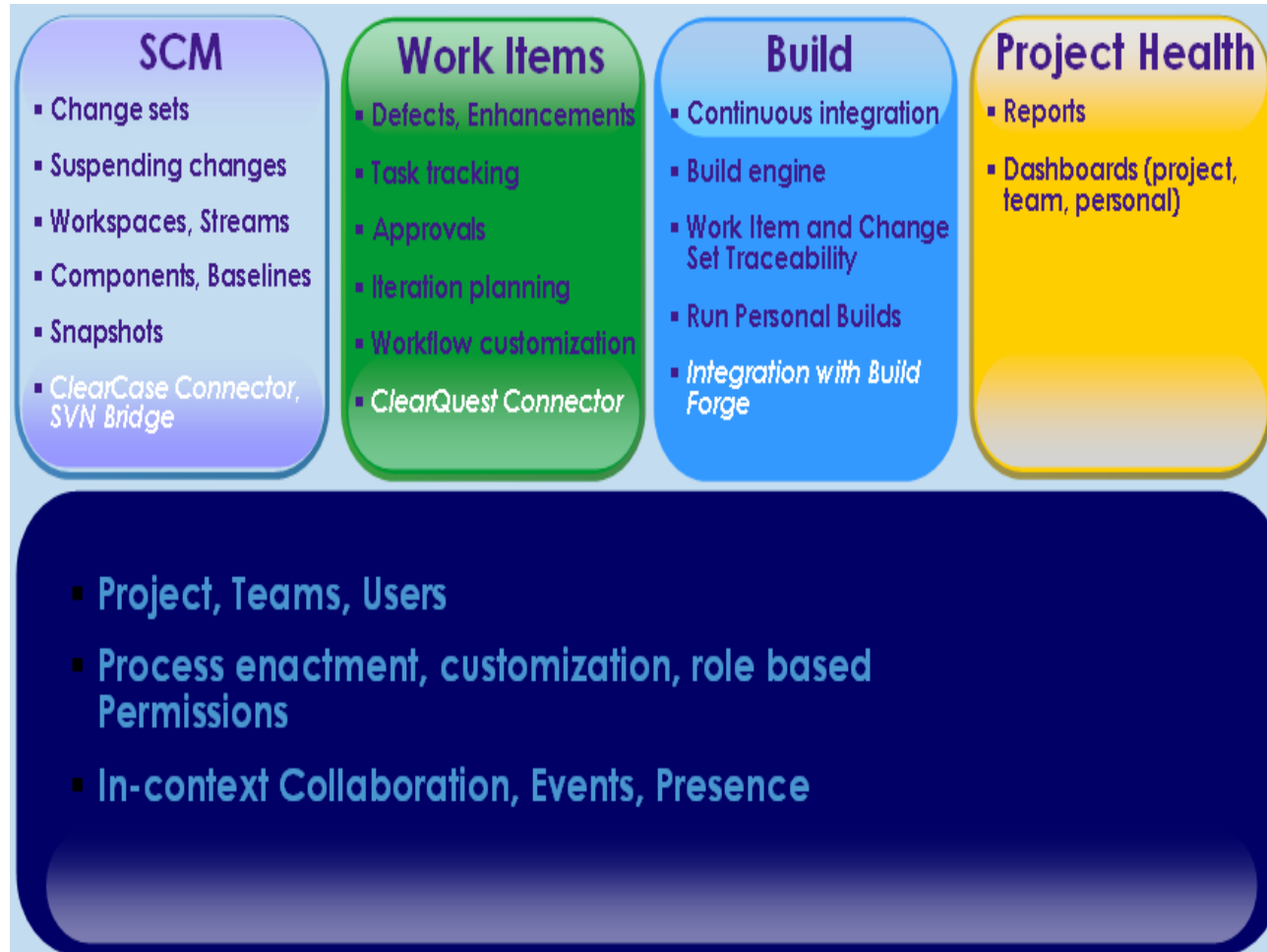
Overview

Collaboration in Context

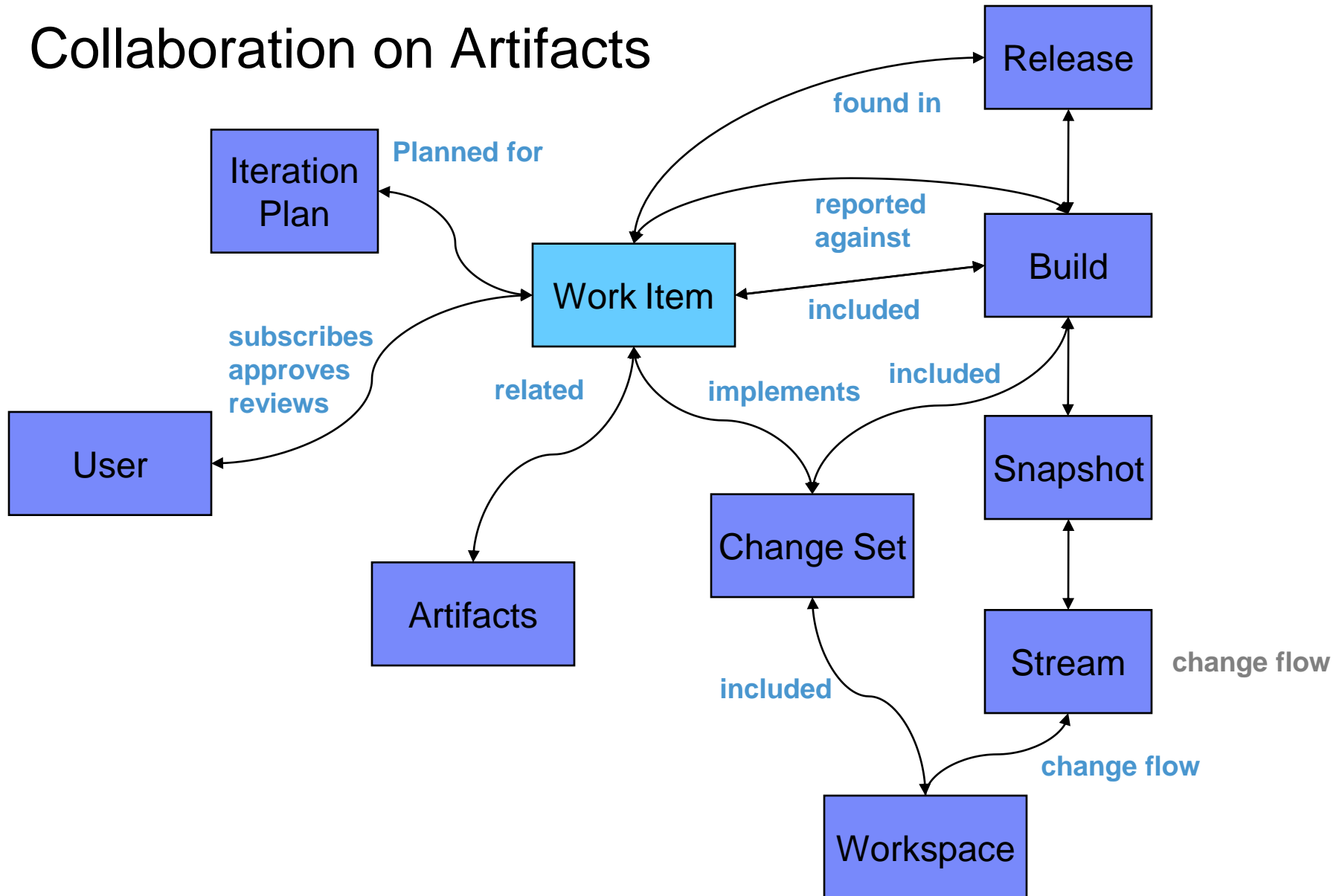
Team First

Process

Transparency



Collaboration on Artifacts



Collaboration in Context

57244: Query Editor: Selected columns are missing in the 'sort columns' list - Jazz Project

Defect 57244

Summary:* Query Editor: Selected columns are missing in the 'sort columns' list

Verified Fixed

Details

Type: Defect
 Severity: Critical
 Found In: 0.6 RC3
 Created: May 27, 2008 5:57 PM
 Created By: Patrick Streule
 Team Area: Work Item / Jazz Project
 Filed Against:* Work Items/Eclipse UI/Queries
 Tags: rc4candidate
 Owned By: Patrick Streule
 Priority: Medium
 Planned For: 0.6 RC4
 Estimate: Correction:
 Time Spent:
 Due: None
 Resolved: May 28, 2008 5:20 PM
 Resolved By: Patrick Streule

Description

If you select a couple of columns for the work item viewer (e.g. id, priority, summary), those attributes will be filtered from the 'Sort Columns' list after the query is re-opened.

Discussion (5 comments)

1. André Weinand, May 27, 2008, 6:35 PM
Please assess impact and risk.
2. Patrick Streule, May 27, 2008, 6:48 PM
Customer Impact: Medium. The customer (using the Eclipse UI) creates a query with a custom set of columns and sort order. Later, he decides to change the settings, but will not be able to choose an attribute for the sort order that is already used for the query. The initial setup of the query and the corresponding Web UI functionality are not affected.
Risk: Low. The filter is erroneously using getColumn() instead of getSortColumns().
3. Erich Gamma, May 28, 2008, 11:19 AM
As a user that has run into this I consider the severity critical. I've failed to create a change set in the web UI isn't obvious.
Therefore I approve it and increase the severity.
4. Kevin Haaland, May 28, 2008, 4:26 PM
I have been affected by this as well. +1
5. Patrick Streule, May 28, 2008, 5:20 PM
Delivered to the WorkItem stream. There is a second change set that became necessary.

Quick Information

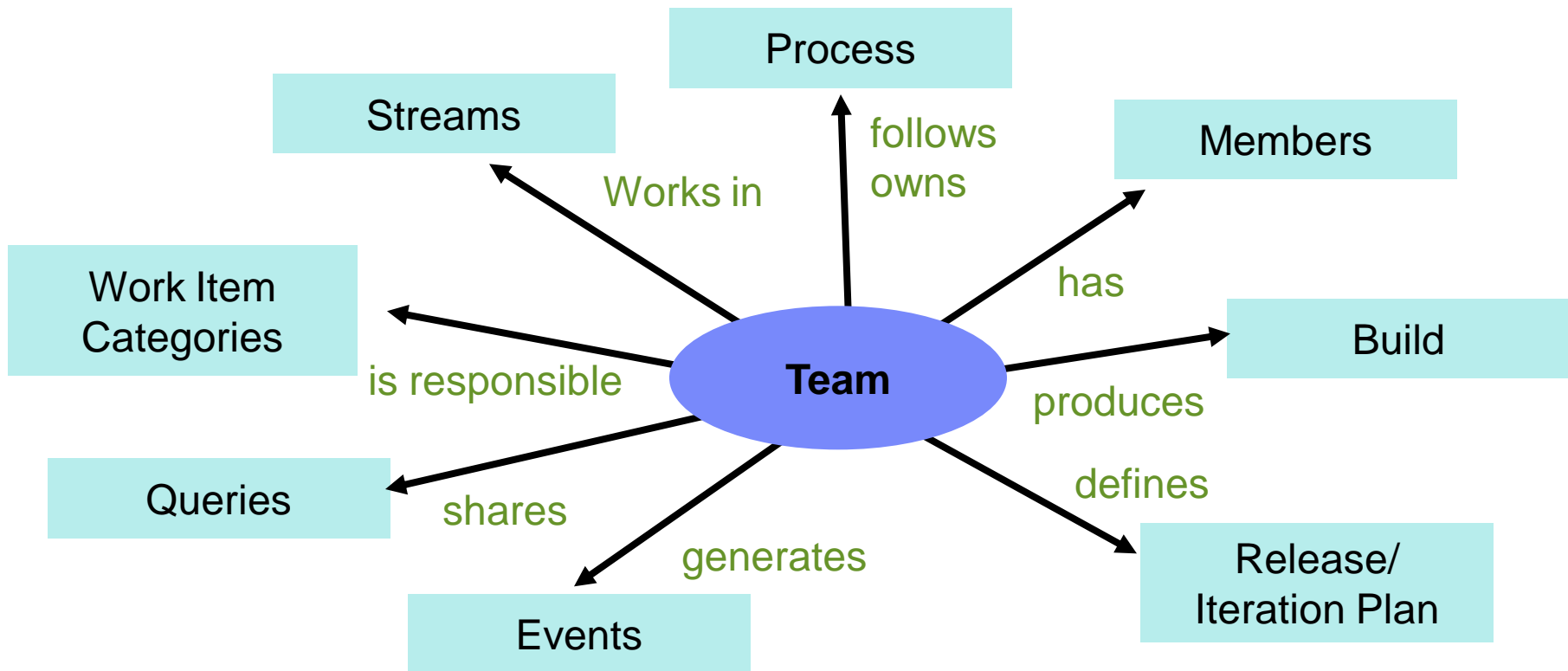
- Subscribers (3): AW, EG, KH
- Change Sets (2)
- Included in Builds (14)
- PMC RC4 Approval: Approved (3 of 3)
- RC4 Approval: Approved (1 of 1)
- RC4_Review: Approved (2 of 2)
- 0.6rc4_Verification: Approved (1 of 1)

Quick Information

- Subscribers (3): AW, EG, KH
- Change Sets (2)
- Included in Builds (14)
- PMC RC4 Approval: Approved (3 of 3)
- RC4 Approval: Approved (1 of 1)
- RC4_Review: Approved (2 of 2)
- 0.6rc4_Verification: Approved (1 of 1)

Team First

What does a team need to be productive?



Team First: Scoped Collaboration

Multiple level of information visibility

Isolation levels:

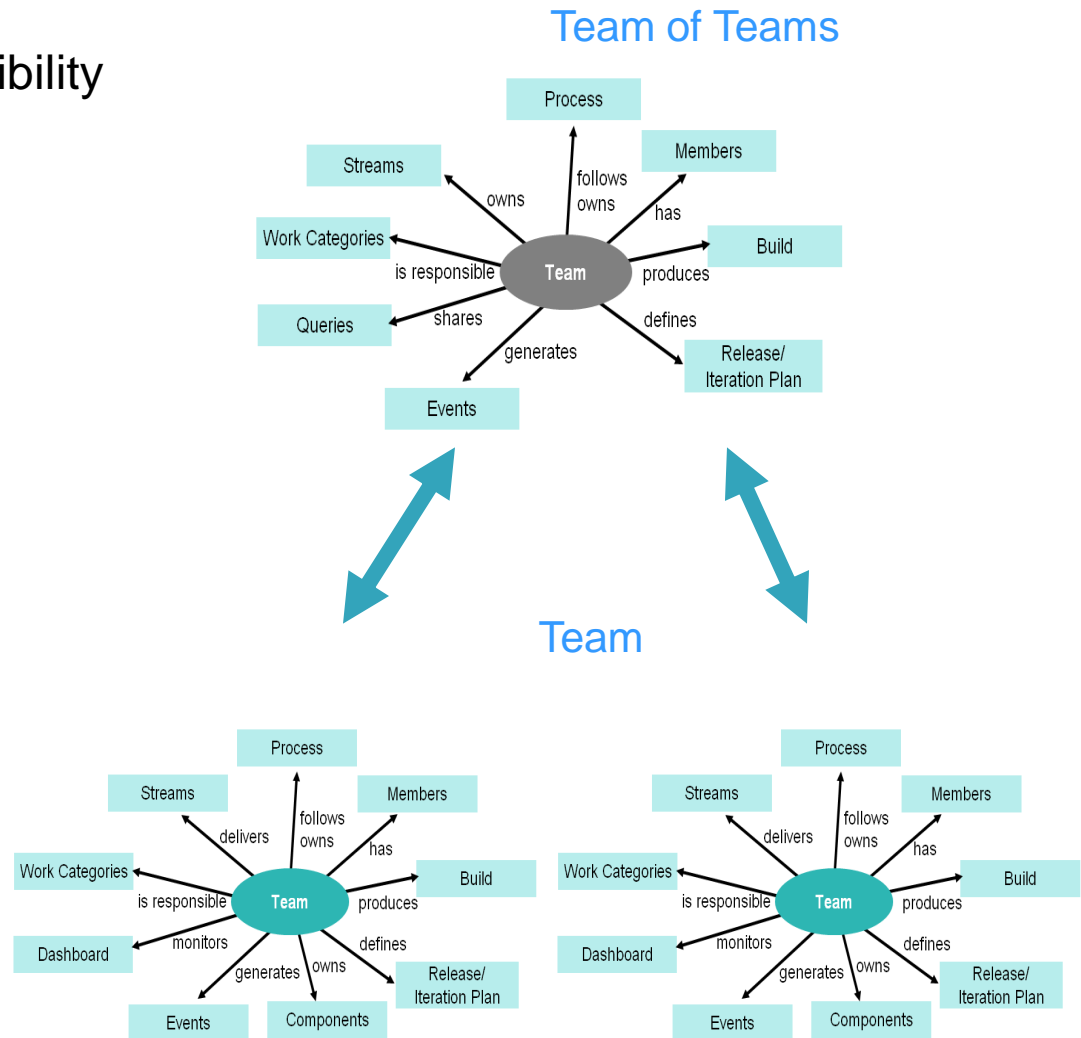
individual user

team

teams of teams

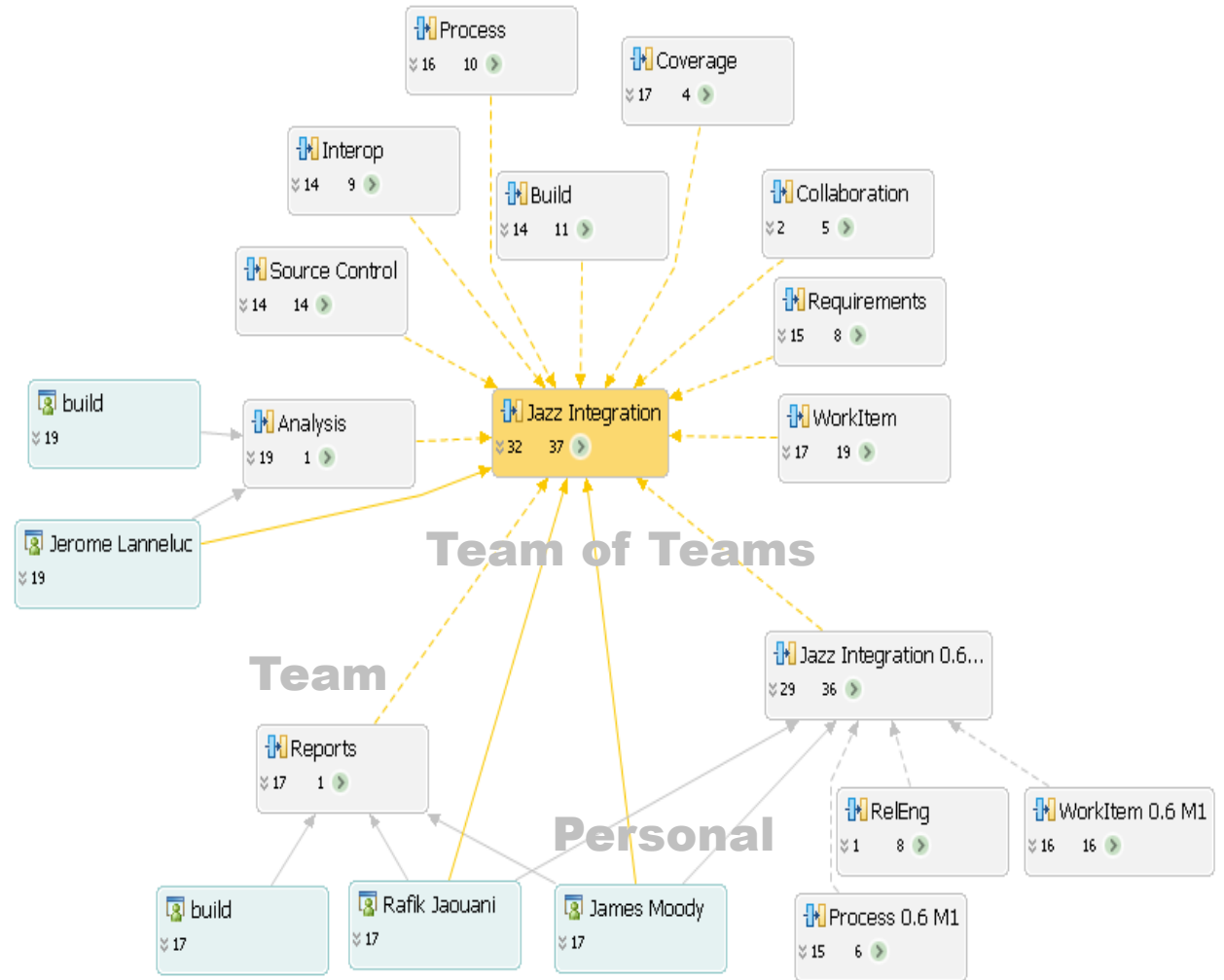
Distributed

teams



Collaboration: Scoped Changes

Isolate work not people



Collaboration: Builds

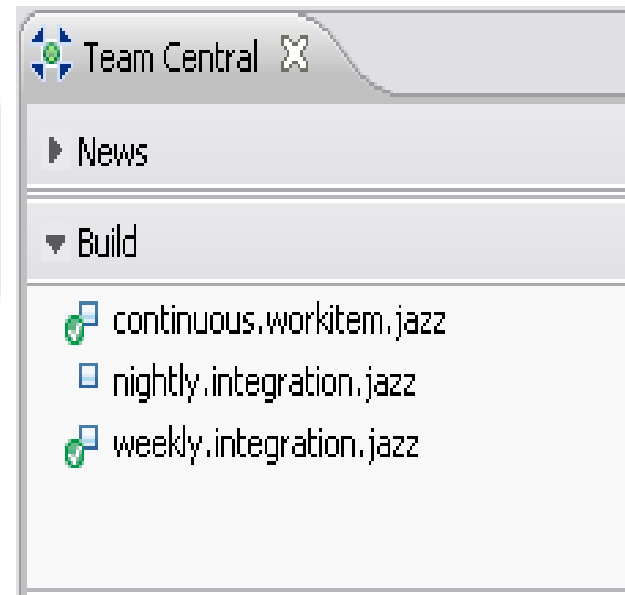
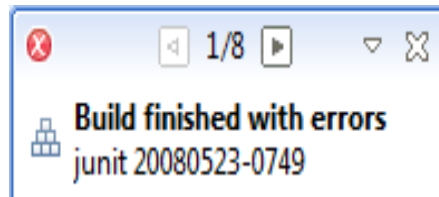
Scoped builds

- Personal builds

- Continuous team builds

- Scheduled integration builds

Collaborate in context on build failures



Rules/Process

All collaborations have underlying
context specific rules

Each project follows a
process

Team's own their process



Process

Process manifested through:

- artifact types and their states
- role-specific preconditions and actions on operations manipulating artifacts
- role-specific and permissions

Eclipse Way

- Defect
- Task
- Enhancement
- RFS
- Plan Item
- Track Build Item
- Retrospective
- Story

Scrum

- Defect
- Task
- Retrospective
- Story
- Impediment

OpenUP

- Defect
- Enhancement
- Risk
- Task
- Use Case

Actions	Everyone (default)	Product Owner	ScrumMaster	Team Member
[-] Dashboards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[+] Save Personal Dashboard (server)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[+] Save Project Dashboard (server)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[-] Item Connectors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[+] Delete Synchronization Rule Info (server)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[+] Save Synchronization Rule Info (server)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[-] Process	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
[+] Save Project Area (server)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
[-] Work Items	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[+] Save Attachment (server)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[+] Save Category (server)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[+] Save Release (server)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Deliver (server)					
Work Items					
Save Work Item (server)					

Endgame: Rule Example

The deliver operation is performed when changes or baselines are delivered from a workspace to a stream.

Preconditions and follow-up actions are configured for this operation

Final (ignore customization of this operation in child team areas)

Preconditions (7 available):

Add... Remove Up Down

- IBM Copyright
- No Compile Errors
- Require Work Item
- Approved Changes

Name:

Description:

All changes you release in RC4 need two separate approvals and one review. The first approval needs to list two members of the PMC as approvers. The Review needs to list

Required approvals:

- Approval: 1 componentlead
- Approval: 2 PMC
- Review: 2 contributor

Follow-up actions (0 available):

Add...

0.6 RC4

- Permissions (unconfigured)
- Operation Behavior (unconfigured)
- Event Handling (unconfigured)
- development (type: Stabilization)
- stabilization (type: Stabilization)**
 - Permissions (unconfigured)
 - Operation Behavior**
 - Event Handling (unconfigured)



Quick Information

Subscribers (3): AW, EG, KH

Change Sets (2)

Included in Builds (14)

PMC RC4 Approval: Approved (3 of 3)

RC4 Approval: Approved (1 of 1)

RC4_Review: Approved (2 of 2)

0.6rc4_Verification: Approved (1 of 1)

Transparency: Scoped Events

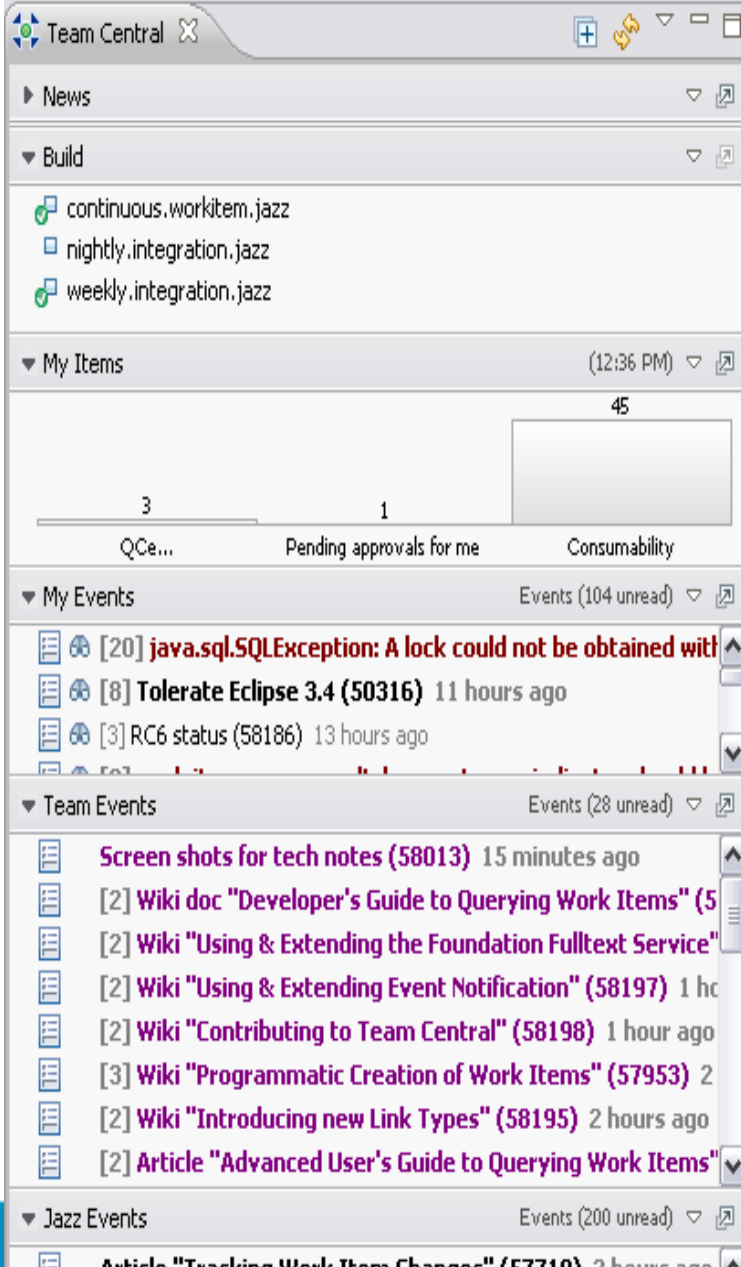
RSS feeds enable
everybody to be
informed of changes

Feeds for the:

individual user

team

team of teams



The screenshot displays the Team Central application interface, which is organized into several sections:

- News**: A section for general news.
- Build**: A section containing three RSS feeds: `continuous.workitem.jazz`, `nightly.integration.jazz`, and `weekly.integration.jazz`.
- My Items**: A section showing a summary of items with counts: 3 for "QCe...", 1 for "Pending approvals for me", and 45 for "Consumability".
- My Events**: A section showing 104 unread events. The top items are:
 - [20] **java.sql.SQLException: A lock could not be obtained with**
 - [8] **Tolerate Eclipse 3.4 (50316)** 11 hours ago
 - [3] **RC6 status (58186)** 13 hours ago
- Team Events**: A section showing 28 unread events. The top items are:
 - Screen shots for tech notes (58013)** 15 minutes ago
 - [2] **Wiki doc "Developer's Guide to Querying Work Items" (5**
 - [2] **Wiki "Using & Extending the Foundation Fulltext Service"**
 - [2] **Wiki "Using & Extending Event Notification" (58197)** 1 hc
 - [2] **Wiki "Contributing to Team Central" (58198)** 1 hour ago
 - [3] **Wiki "Programmatic Creation of Work Items" (57953)** 2
 - [2] **Wiki "Introducing new Link Types" (58195)** 2 hours ago
 - [2] **Article "Advanced User's Guide to Querying Work Items"**
- Jazz Events**: A section showing 200 unread events. The top item is:
 - Article "Tracking Work Item Changes" (57719)** 2 hours ago

Transparency/Visibility: Dashboards

















At a glance view on team artifacts

Three dashboard types:

project

team

individual user

- ▶  **Development**
- ▶  **Feeds**
- ▼  **Live Reports**
 -  Tag Cloud
 -  Work Item Statistics
- ▶  **Monitoring**
- ▼  **Personal**
 -  About Me
- ▶  **Project/Team**
- ▶  **Tools**
- ▼  **Trend Reports**
 - ▶  **Builds**
 - ▼  **Work Items**
 -  Blocking Work Items
 -  Burndown
 -  Closed Work Items Daily

A Personal Dashboard

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

Type to search

Erich Gamma's Dashboard Auto-save

Work Items **PMC** Team Add New Tab Add Viewlet

Recently Viewed

- Jazz Development
- Erich Gamma's Dashboard

My Dashboards

- Erich Gamma's Dashboard

Shared Dashboards

- My Profile
- Jazz Project
 - Jazz Development
 - Process
 - Work Item
 - Jazz Maintenance
- All Dashboards

Bookmarks Weekly Status

Jazz Project Event Log (32 new)

- NPE in WorkItemWorkingCopyManager.connectLocal (55014) 10 minutes ago
- * NPE in SCM Service StateMap while importing (55016) 10 minutes ago
- Missing comment id when starting chat from workitem editor (54332) 20 minutes ago
- Send Mail in context does not work (54367)** 20 minutes ago

Page 1 of 5

Recently High Severity (57)

- 54458: Add page is a sub menu with no action
- 54516: Process WebUI editors don't give any significant visual guidance
- 54025: Update migration guide for M6a and for Beta3
- 54102: Dragging Jazz artifacts to Sametime 8.0.1 chat window does not work anymore
- 54136: Import of existing CQ data using synch tool is still an issue
- 54162: Confirm Content Accept dialog is modal but not in the foreground
- 54186: Clicking inside query selection dialog resets scroll position
- 54217: CQ Connector outgoing synch error.
- 54239: Install RTC CQ Connectors using the latest Install Doc
- 54242: Team Advisor window doesn't redisplay and no message shows in the Project Area dialog indicating a "Missing required license" issue has occurred when closing down the RTC client in Linux.

Page 1 of 6

Unknown Inbox (1)

- 54914: Download of Jazz components crashes Koquerer browser

Open assigned to me (6)

- 48865: [Risk] Migrating from an existing bug tracking system
- 38334: PC view got added to the "wrong" place
- 15026: New wizards for workspace and stream just open editor
- 43083: lifecycle coverage gaps in Team Concert
- 44294: Community Site - publish what went into a build (especially I-Builds)
- 53856: Scrum: leverage support to define the initial category name

Pending approvals for me (2)

- 54208: Beta 3 Install and Licensing test pass
- 54403: License bong attempting to suspend change-set says operation was createPersonalWorkspace

My Queries

- Non IBM Filed (277)
- All Plan Items (121)
- PMC New (146)
- PMC Plan Items (39)
- Consumability (46)
- Getting Started (143)
- Recently High Severity (57)
- Plan Items (121)
- RFS (28)

A Team Dashboard

Rational Team Concert
Your Trial License expires in 111 days | **Erich Gamma** | Log Out

Home Project Areas Dashboards Work Items Iteration Plans Reports
Admin Help

Source Control
All Dashboards > Jazz Project > Jazz Development >

Work Item Dashboard

Overview **Open Defects** Work Item Trends Builds Add New Tab Add Viewlet

Open Defects (1858) Owned By

Owned By	Count
Unassigned	827
Christof Marti	264
Benjamin Pasero	219
Patrick Streule	203
André Weinand	149
Marcel Bihr	94
Larry Smith	80
Steven Tang	10
Frank Lyner (archived)	9
Other	3

Open Defects (1858) Severity

Open Defects (1858) Tags

accessibility arch bidi bugzillaimporter
 cancellation de errorhandling feed fulltext
 globalization jvm linux mwhat performance
polish queryeditor rcxoptional readme
 serverlog svt teamcentral timeline tooltips
 upstream usability **UX** webplanning
 webui_alignment workitemeditor
 workitemexplorer

[Show More](#)

Open Defects (1858) Priority

Open Defects (1858) Category

Create Dashboard

Recently Viewed

- Work Item
- Process
- Source Control
- Erich Gamma's Dashboard

My Dashboards

- Erich Gamma's Dashboard

Shared Dashboards

- My Profile
- Jazz Project
 - Jazz Development
 - Process
 - Work Item
 - Jazz Maintenance
- All Dashboards

Source Control

Create Dashboard

Recently Viewed

- Work Item
- Process
- Source Control
- Erich Gamma's Dashboard

My Dashboards

- Erich Gamma's Dashboard

Shared Dashboards

- My Profile
- Jazz Project
 - Jazz Development
 - Process
 - Work Item
 - Jazz Maintenance
- All Dashboards

Team of Teams Dashboard

Rational Team Concert Erich Gamma | Log Out

Jazz Project

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

All Dashboards > Jazz Project >

Jazz Development

General | Builds | Open Defects by Themes | Open Defects by Team | SVT Defects by Team | Defect Trend Comparison | Defect Trends by Priority | Deferred Items by Team | Closed Daily

Add New Tab Add Viewlet

Recently Viewed

- Jazz Development
- Erich Gamma's Dashboard

My Dashboards

- Erich Gamma's Dashboard

Shared Dashboards

- My Profile
- Jazz Project
- Jazz Development**
 - Process
 - Work Item
 - Jazz Maintenance
- All Dashboards

Endgame Has Started

Detailed Plan available here: [End Game Plan](#)

Jazz Development Description

Open Track Build Items (2)

- 55647: Beta3 status
- 55766: RC3 status

Beta3 Candidates (11)

- 55271: APT data not removed in beta2 to beta3 migration
- 55431: Test Failure (I20080509-1203): com.ibm.team.apr.internal.ide.ui.tests.editor.outliner.PlanItemMoveUITest.testMoveUp46
- 55452: Built-in process templates use linksSummary
- 55561: Using subscriber dialog makes backspace key inoperative
- 55631: Work item editor UI unresponsive due to synchronization issues in WorkItemEstimateAttributePart
- 55652: OOME from too many ChangeEvents in memory
- 55653: Deadlocks with multiple license assignments and queries
- 55669: Feature containing work item documentation missing from install
- 55686: Cannot create root in empty folder of existing ClearCase component
- 55748: Test Failure (I20080513-2020): WorkItemManagerTests.testTwoSyncRequestsCreatingTheSameCategory

Risks (11)

- 48868: [Risk] CC Connector
- 48862: [Risk] We need to build what we ship
- 48863: [Risk] Migrating/importing SVN repositories
- 53578: [Risk] Data corruption
- 48871: [Risk] CQ Connector Set-up
- 48875: [Risk] Scale to 250 users
- 48870: [Risk] Oracle Support
- 48876: [Risk] Scale towards large repositories
- 48874: [Risk] Derby Support
- 48872: [Risk] Active Directory
- 48865: [Risk] Migrating from an existing bug tracking system

Open License Defects (7)

- 53765: License policies should depend on the correct server version
- 55203: The Upload Server and CAL Activation Key links in the Jazz Web UI don't stand out.
- 51902: Document license APIs
- 55444: Comments on license messages
- 55004: Poor feedback on license validation if server is down
- 55508: Missing warning in project/team area editors for express edition when role based permissions are not available
- 55679: Require that users have a license to do the "com.ibm.team.rtc.login" operation when logging in from the UI

Cross Team Expectations (0)

No work items found.

Cross Team Adoptions (0)

No work items found.

PMC 1.0 Wishes (3)

- 54596: Missing warning about changes to teamserver.properties and tomcat/conf files when upgrading server versions.
- 55508: Missing warning in project/team area editors for express edition when role based permissions are not available
- 55521: User Selector dialog: inconsistent state shown to the user

RFS (28)

Team of Teams Dashboard

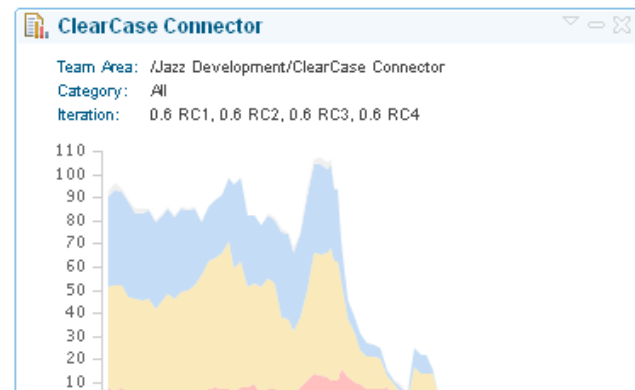
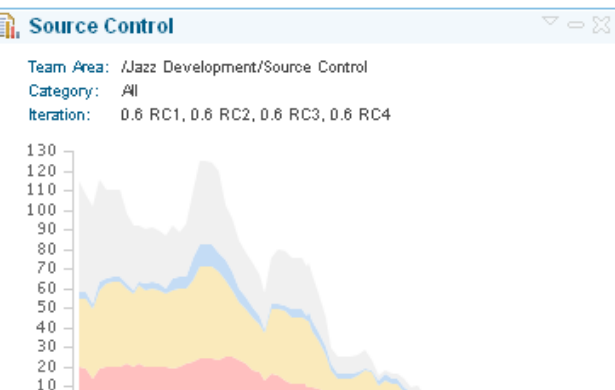
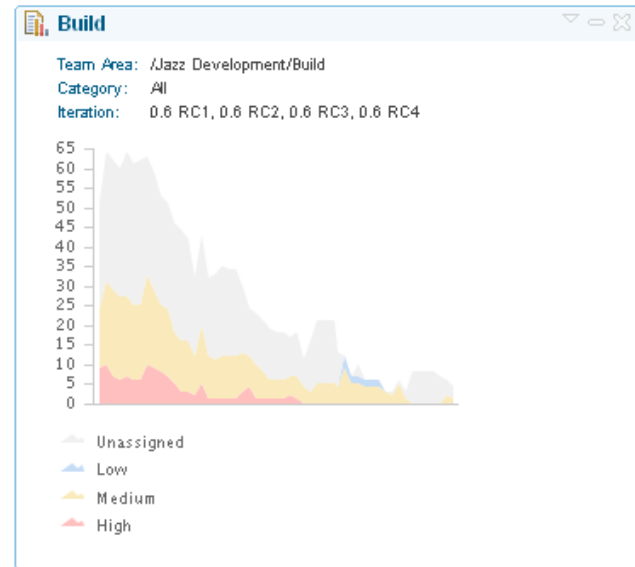
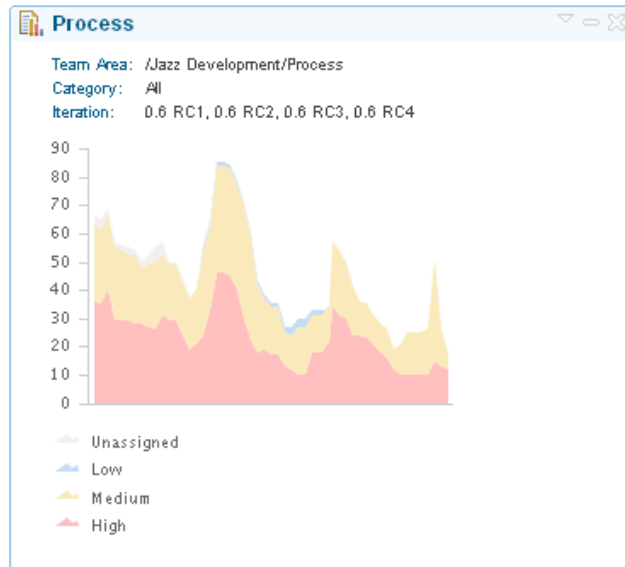
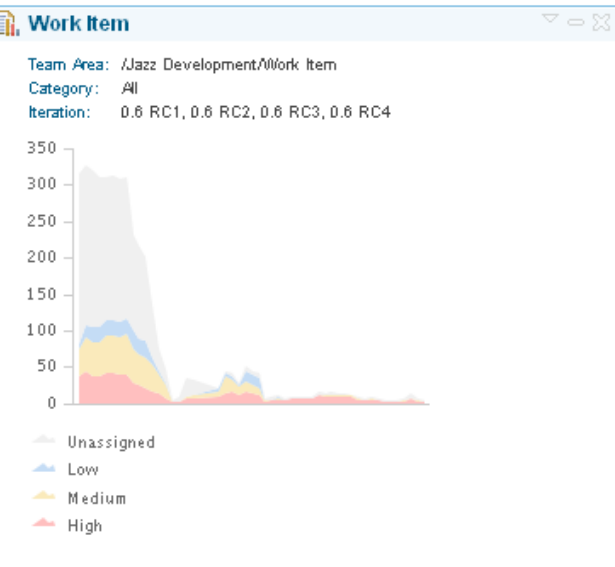
Dashboards > Jazz Project >

Auto-save Save

Jazz Development*

General RC5 Candidates RC4 Candidates Open Defects by Themes Builds Open Defects by Team SVT Defects by Team Defect Trend Comparison **Defect Trends by Priority** Add Viewlet

Deferred Items by Team Closed Daily Add New Tab



Points of Friction: Getting Started

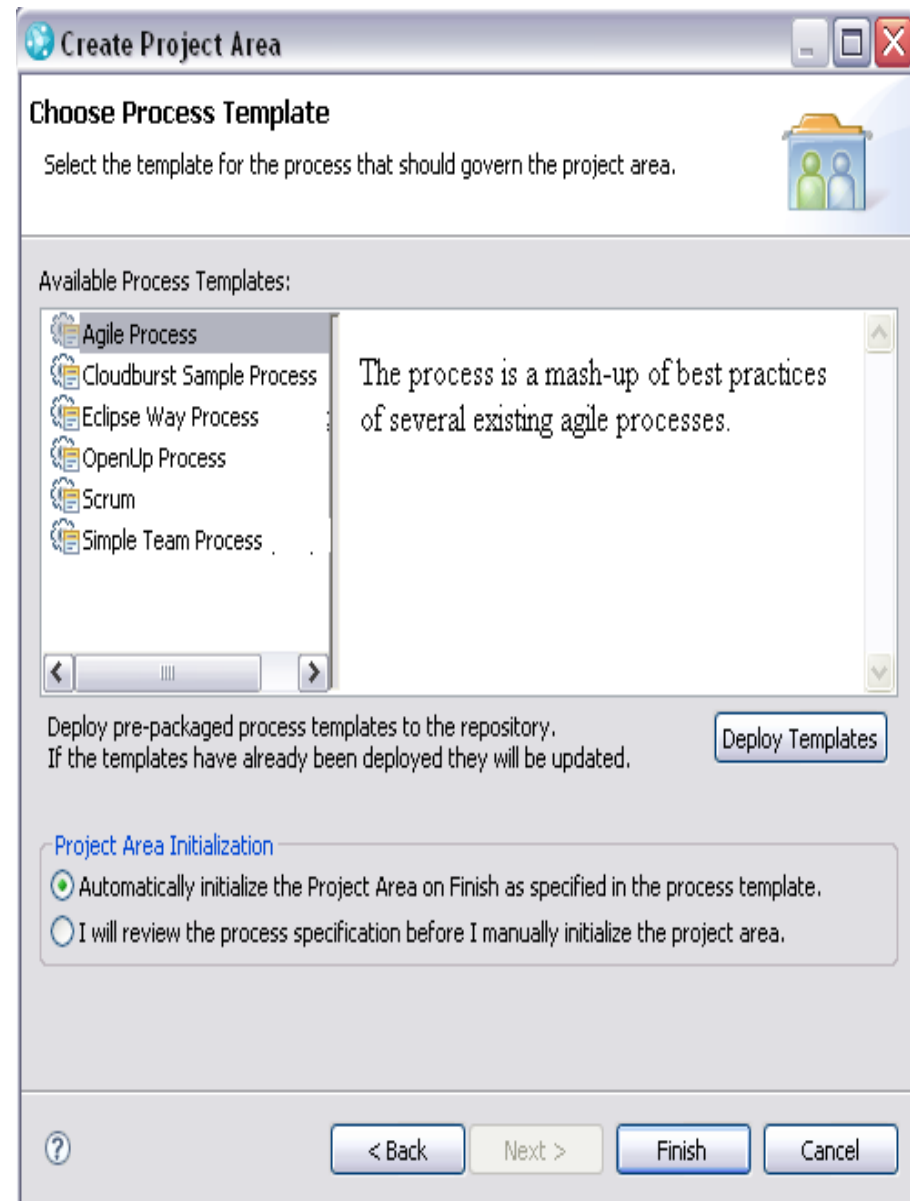
Starting a new project

Joining a team

Starting a Project

Process templates
provide out of the
box configurations

Adapt process as you
learn and adapt



Joining a Team

Demo:

new team member joins a team

learns about the team

Collaborates with team – first bug fix

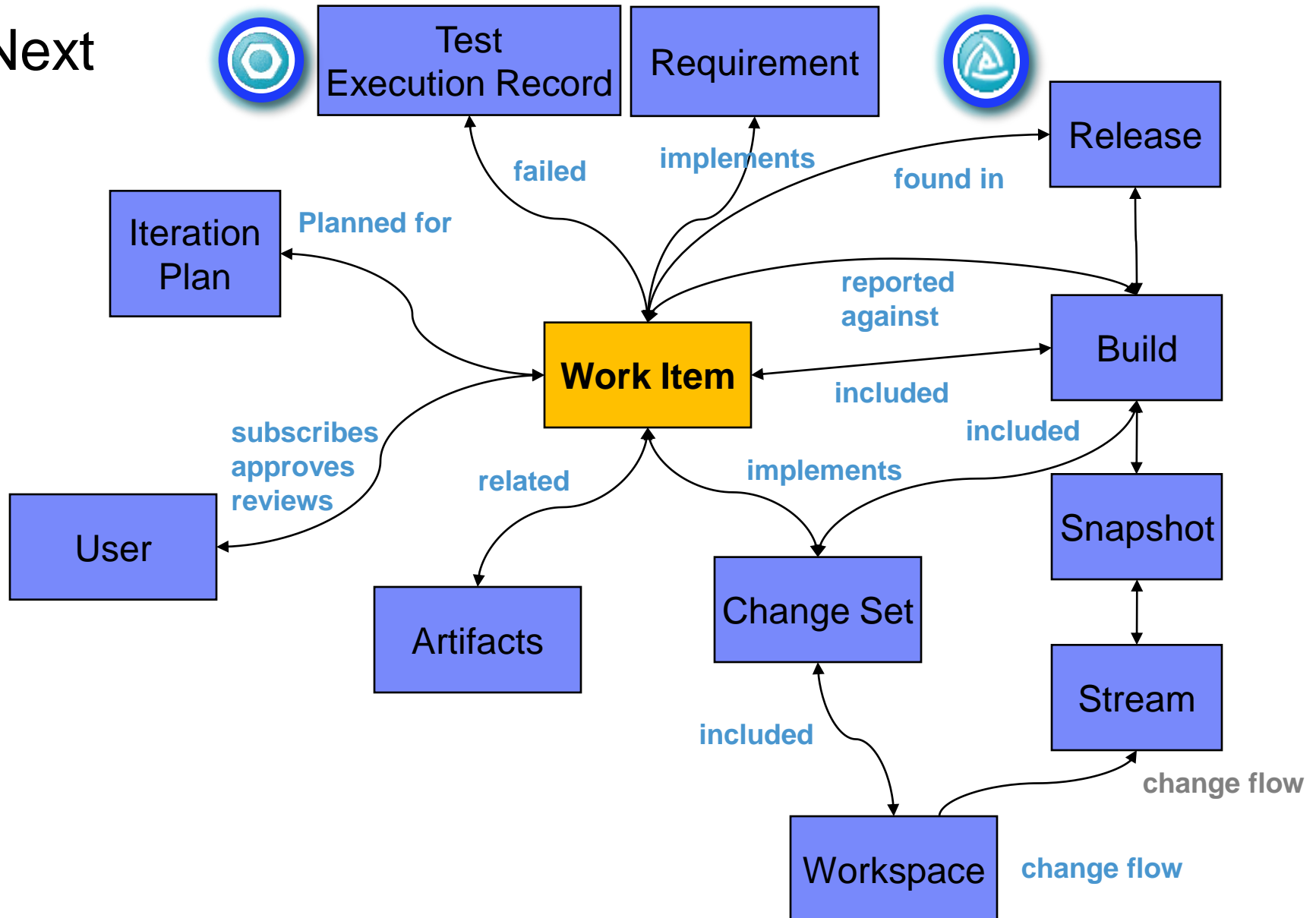
Team Concert at Work

RTC Team: 70 developers,
10 testers, 8 doc

Inside IBM
900 users



Next



Summary

Team Concert enables **scalable agile** development

Provides *effortless access to assets, events, reports, for everybody*

Join the community on jazz.net

The screenshot shows the homepage of the Jazz Project website. At the top, there is a navigation bar with 'Home', 'Community', and 'Login' links. The main heading is 'People, not organizations, build great software.' To the right of this heading is an illustration of a jazz band. Below the heading, there are two main columns of content. The left column is titled 'What is Jazz?' and contains text about developing software in a team. The right column is titled 'What's new' and features a prominent announcement for the 'IBM Rational Software Development Conference 2008!' held in Orlando, Florida, USA, from June 1-5. Below this, there is a section for 'Looking Ahead: Rational Team Concert 1.0'. On the right side of the page, there are three vertical sidebars: 'How Do I Join?' with a registration link, 'In The News (recent)' listing various articles, and 'Upcoming Events' listing the conference and other events. The footer contains the IBM logo and links for 'Contact', 'Privacy Policy', and 'Terms of Use'.

RU READY TO
SAVE THE DAY



IBM Rational Software Development Conference 2008

WHERE TEAMS ARE **R-HEROES**



Rational. software