



IBM Rational Software Development Conference 2008

WHERE TEAMS ARE **R-HEROES**

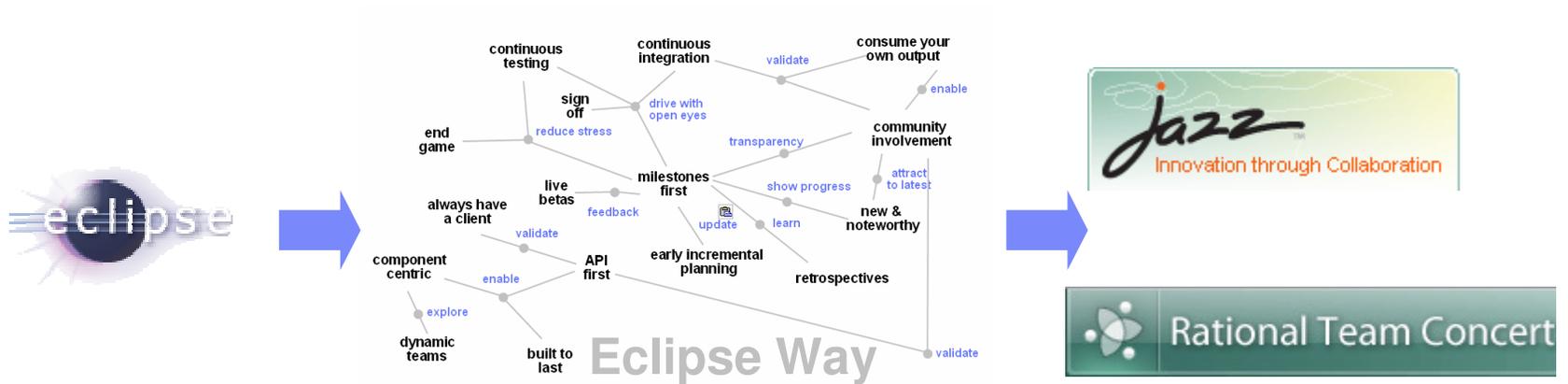


Globally Distributed Software Development

Erich Gamma

Distinguished Engineer, Jazz Technical Lead
IBM Rational Zurich Research Lab
erich_gamma@ch.ibm.com

Our Journey: XDE -> CDE



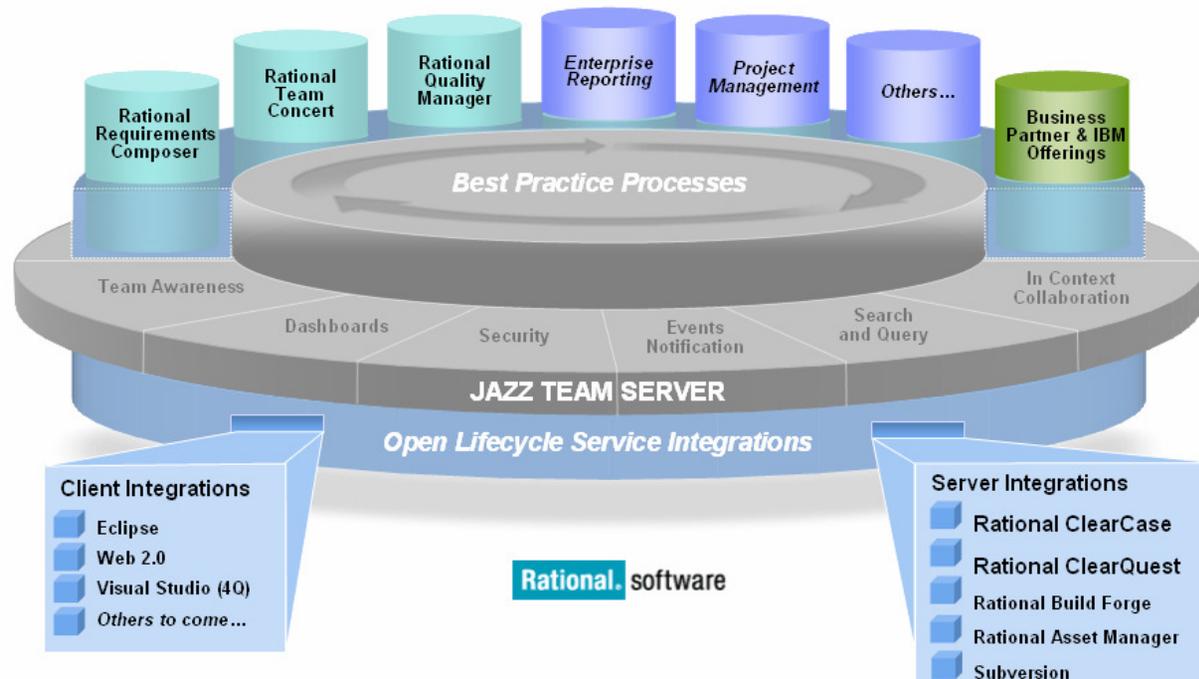
The Jazz Project

- An effort to create a scalable, extensible team collaboration platform.
- A vision for the future of software delivery – supporting a workforce that is organizationally and globally distributed.
- A community at Jazz.net – the online venue for open commercial development of Jazz-based products.




Jazz and Team Concert

- Jazz is a technology platform



- Rational Team Concert is the first Jazz based product



Team Concert

SCM

- Change sets
- Suspending changes
- Workspaces, Streams
- Components, Baselines
- Snapshots
- *ClearCase Connector, SVN Bridge*

Work Items

- Defects, Enhancements
- Task tracking
- Approvals
- Iteration planning
- Workflow customization
- *ClearQuest Connector*

Build

- Continuous integration
- Build engine
- Work Item and Change Set Traceability
- Run Personal Builds
- *Integration with Build Forge*

Project Health

- Reports
- Dashboards (project, team, personal)

- Project, Teams, Users
- Process enactment, customization, role based Permissions
- In-context Collaboration, Events, Presence

Rational Team Concert

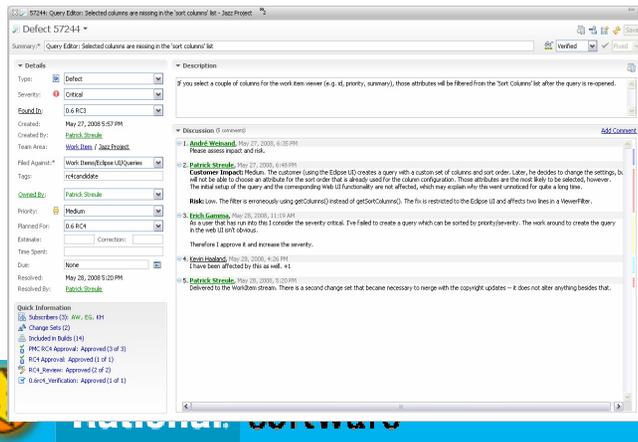
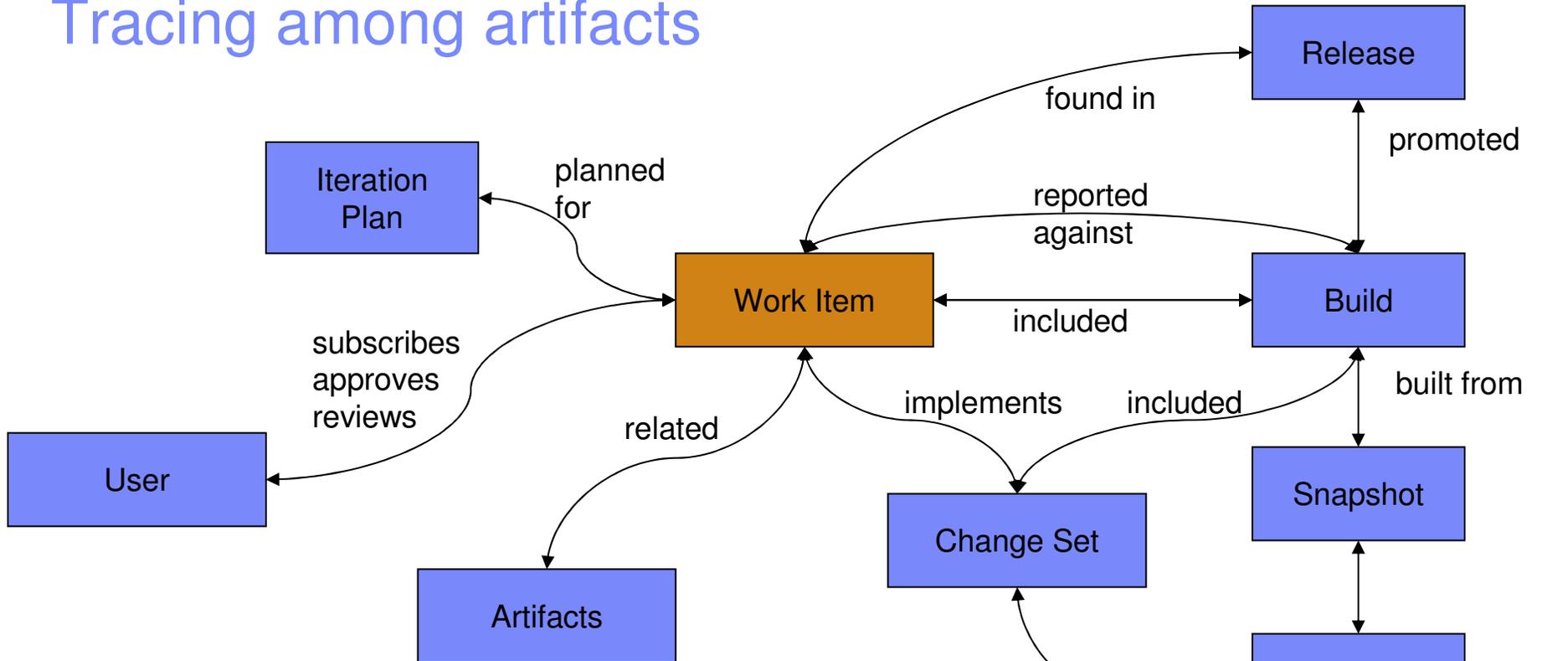


Team Concert Themes

- Themes derived from the CDE properties:
 - ▶ Integration
 - ▶ Team First
 - ▶ Collaboration
 - ▶ Transparency/visibility



Tracing among artifacts

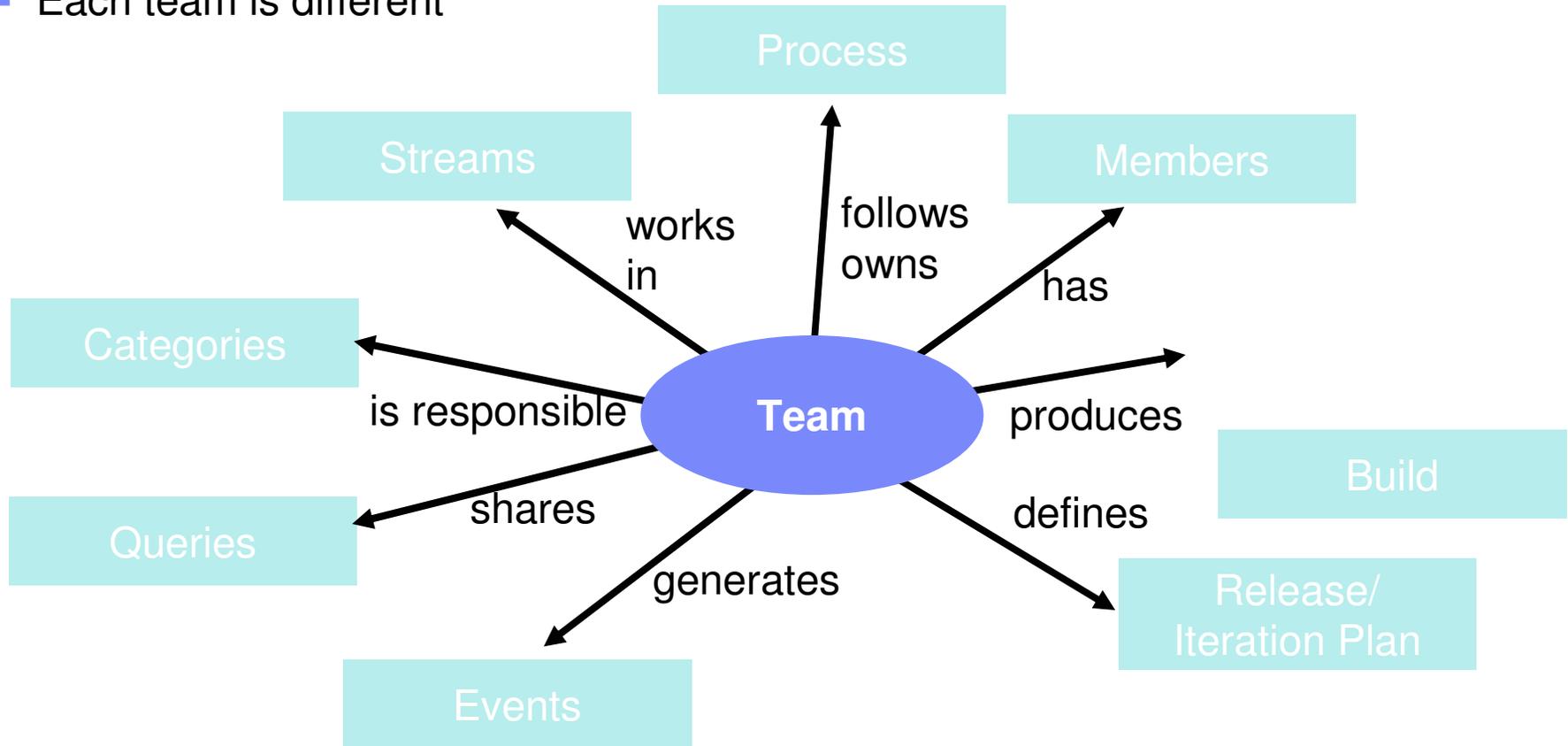


Quick Information

- 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)

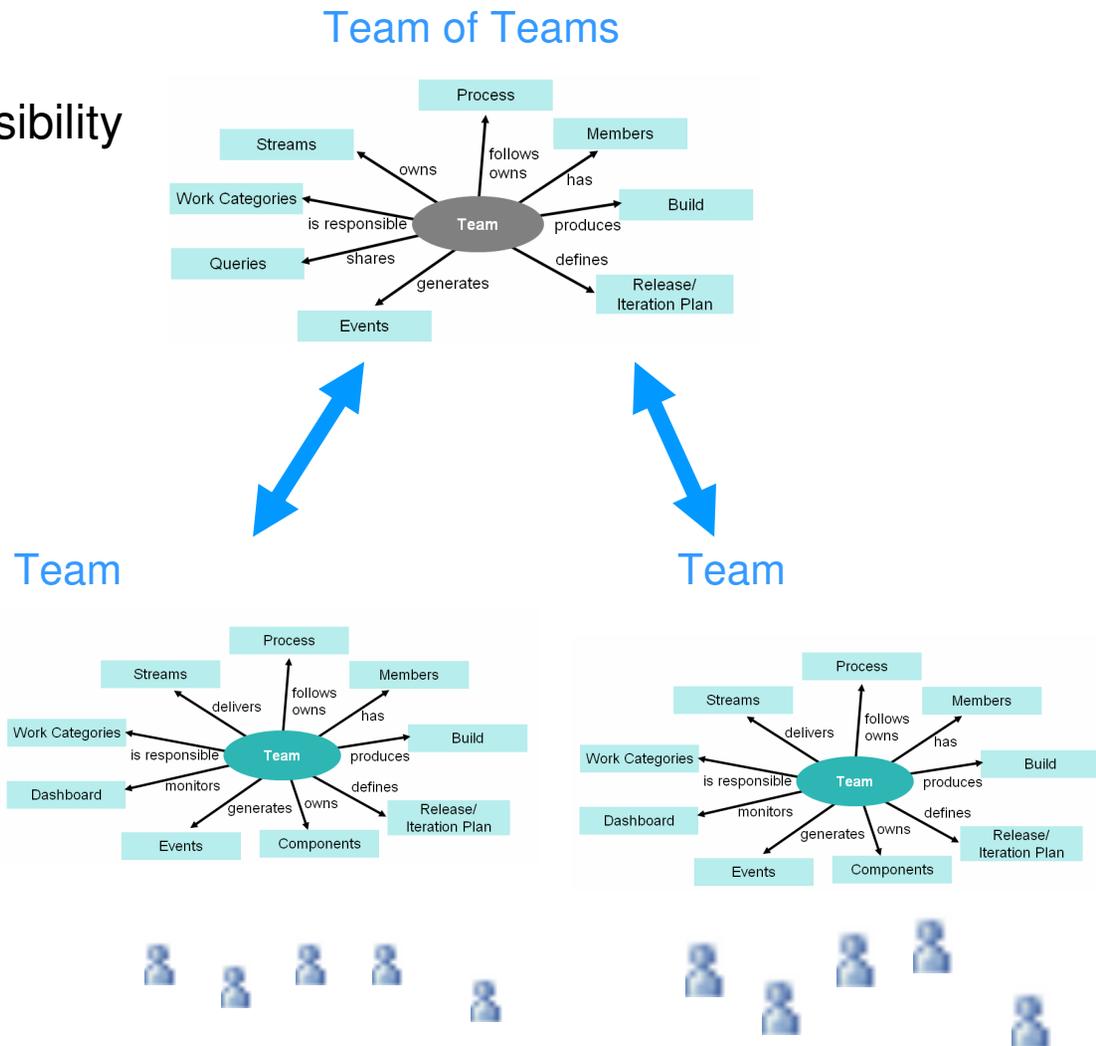
Team First

- Tools know the Team
- Each team is different



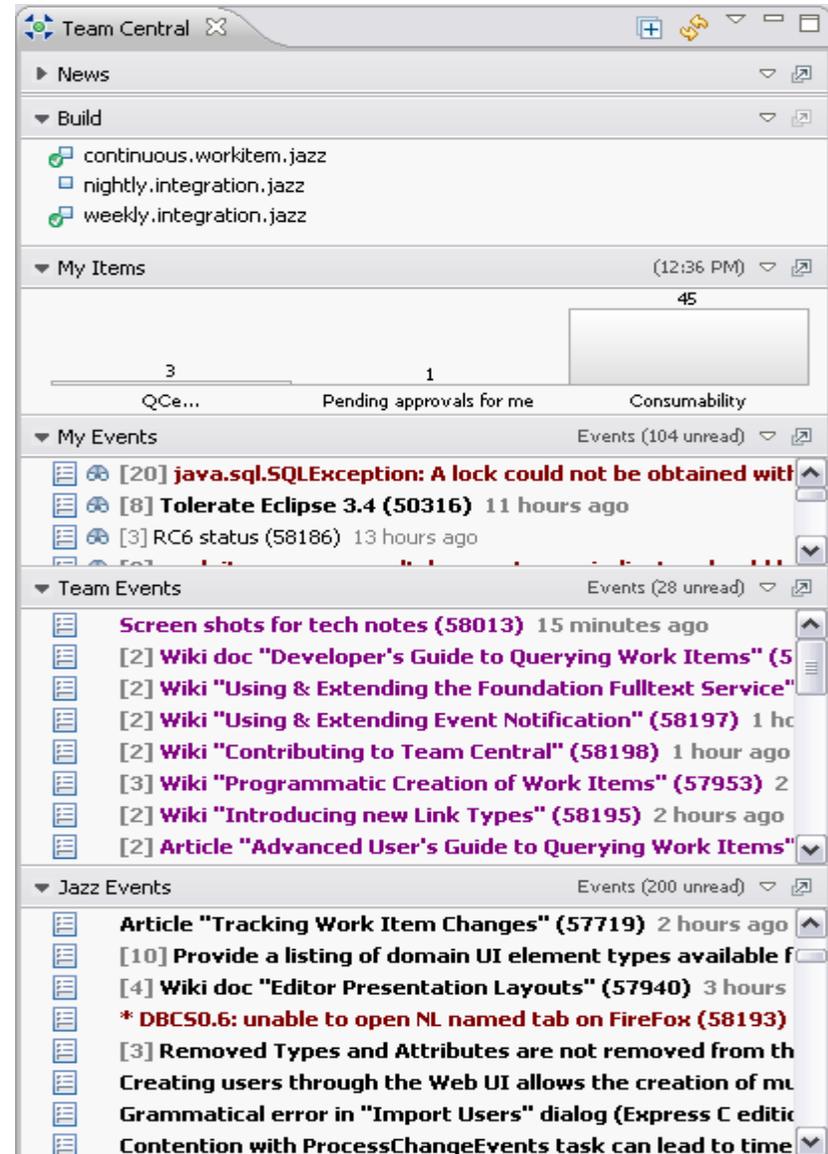
Team First: Scoped Collaboration

- Multiple level of information visibility
- Isolation levels:
 - ▶ individual user
 - ▶ team
 - ▶ teams of teams
- Distributed teams



Notifications

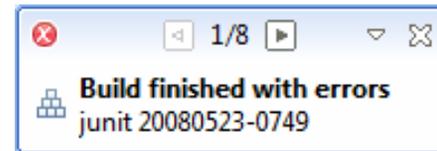
- RSS feeds enable everybody to be informed of changes
- Feeds for the:
 - ▶ individual user
 - ▶ team
 - ▶ team of teams



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** and **patterns** Each project follows a process
- Each team is unique and thus can work differently ⇒ Team's own their process
- Team members play roles defined by the process



Process

- Process manifested through:
 - ▶ artifact types and their states
 - ▶ role-specific preconditions and follow-up actions on operations manipulating artifacts
 - ▶ artifact change events
 - ▶ role-specific and permissions



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

- Defect
- Task
- Retrospective
- Story
- Impediment

Eclipse Way

Scrum

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"/>



Transparency/Visibility: Dashboards

- Knowing what is going on without having to ask
- At a glance view on team artifacts
- Three dashboard types:
 - ▶ **project**
 - ▶ **team**
 - ▶ **individual user**

Viewlets

- ▶ **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

The screenshot shows a web-based personal dashboard for 'Erich Gamma'. The interface includes a top navigation bar with 'Home', 'Project Areas', 'Dashboards', 'Work Items', 'Iteration Plans', 'Reports', and 'Admin'. A search bar is located at the top left. The dashboard is organized into several sections:

- Left Sidebar:**
 - Recently Viewed:** Jazz Development, Erich Gamma's Dashboard.
 - My Dashboards:** Erich Gamma's Dashboard (selected).
 - Shared Dashboards:** My Profile, Jazz Project (Jazz Development, Process, Work Item, Jazz Maintenance), All Dashboards.
- Main Content Area:**
 - 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
 - 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.
 - 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 >

Auto-save Save

Work Item Dashboard

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

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

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
 severlog svt teamcentral timeline tooltips
 upstream usability UX webplanning
 webui_alignment workitemeditor
 workitemexplorer

Show More

Open Defects (1858) Priority

Open Defects (1858) Category

Rational. software

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Team Dashboard

The screenshot displays the Jazz Project Dashboard. At the top, the user is logged in as **Erich Gamma**. The navigation bar includes **Home**, **Dashboards**, **Work Items**, **Iteration Plans**, **Reports**, and **Admin**. The dashboard is titled **Jazz Project Dashboard** and includes an **Auto-save** checkbox and a **Save** button. The main content area is divided into several sections:

- My Dashboards:** Lists **Erich Gamma's Dashboard**.
- Shared Dashboards:** Lists **My Profile** and **Jazz Project**.
- Planning:** Features a notification for **PMC M6 Plan available** and a **Welcome** message: "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."
- Jazz Project Description:** Describes the project as a "Process enabled team collaboration platform" and outlines the goals and work structure.
- Jazz Project Teams (44):** A list of team categories including **Jazz Development**, **Incubator**, **Repository**, and **Source Control**.



Team of Teams Dashboard

Rational Team Concert Erich Gamma | Log Out

Jazz Project

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

Type to search

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.apt.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 licenseing 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.

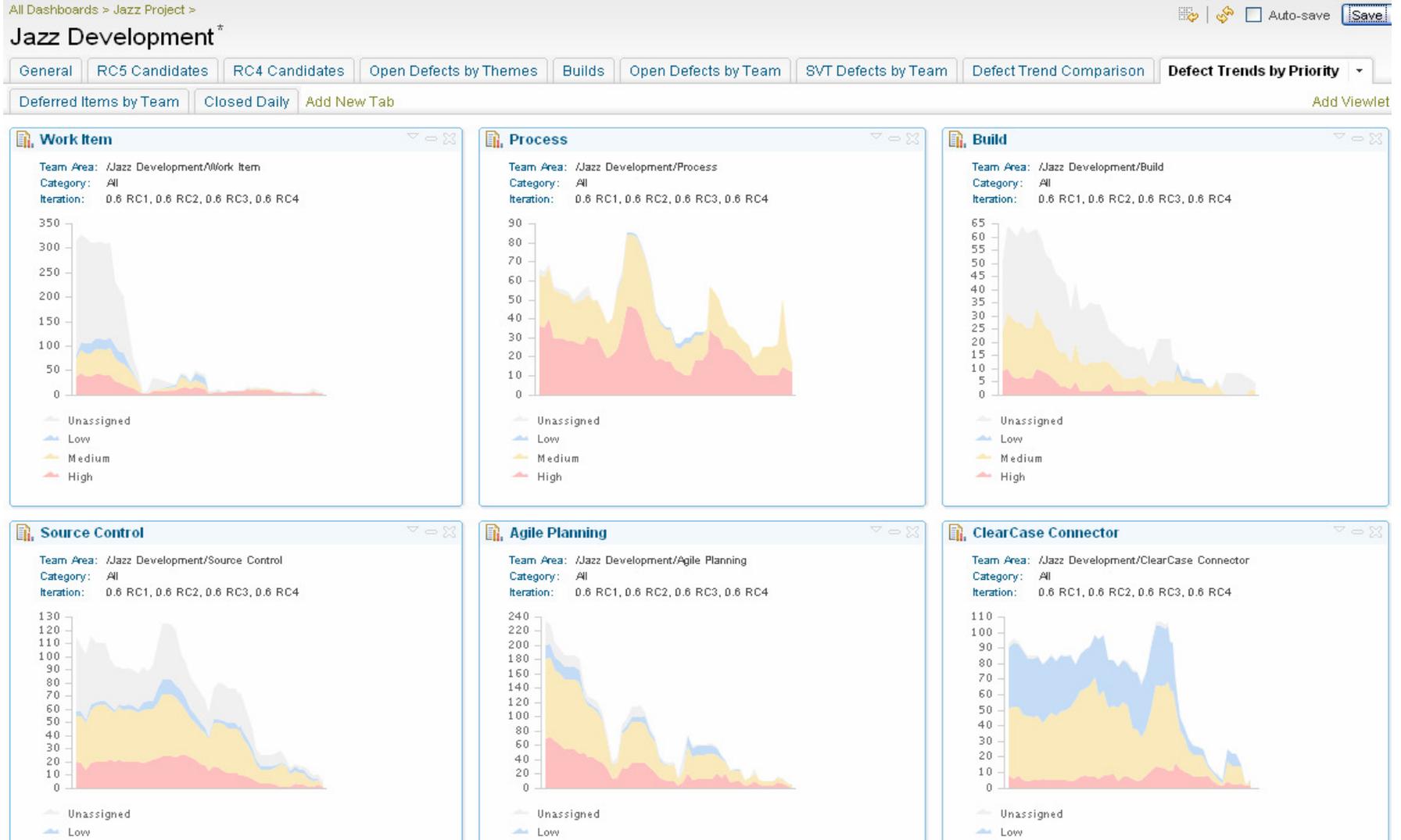
PMC 1.0 Wishes (3)

- 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



Point of Friction: Getting Started

- Cost of setting-up a new team member

- Demo:
 - ▶ new team member joins a team
 - ▶ learns about the team
 - ▶ fixes and delivers the first bug



Team Invitation

 Erich Gamma/Zurich/IBM@IBMCH 03/11/2008 11:40 AM Please respond to Erich Gamma/Zurich/IBM@IBMCH	To	Erich Gamma/Zurich/IBM@IBMCH
	cc	
	bcc	
	Subject	Welcome to the Work Item Team
	Default custom expiration date of 06/09/2008	

You have been invited to join the Jazz team Work Item.
If you have not already done so, please download and install a Jazz client from <https://jazz.net/>

To learn about the project please visit:
<https://jazz.net/jazz/web/projects/Jazz%20Project#action=com.ibm.team.dashboard.viewDashboard>

Once the Jazz client is installed, use File>Accept Team Invitation.
Copy the invitation below and paste into the Accept Invitation text field.

```
teamRepository=https://jazzdev.torolab.ibm.com:9443/jazz/  
userId=egamma  
userName=Erich Gamma  
projectAreaName=Jazz Project  
teamAreaPath=/Jazz Development/Work Item
```



Team Invitation

 Erich Gamma/Zurich/IBM@IBMCH 03/11/2008 11:40 AM Please respond to Erich Gamma/Zurich/IBM@IBMCH	To	Erich Gamma/Zurich/IBM@IBMCH
	cc	
	bcc	
	Subject	Welcome to the Work Item Team

Default custom expiration date of 06/09/2008

You have been invited to join the Jazz team Work Item.

If you have not already done so, please download and install a Jazz client from <https://jazz.net/>

To learn about the project please visit:

<https://jazz.net/jazz/web/projects/Jazz%20Project?action=com.ibm.team.dashboard.viewDashboard>

Once the Jazz client is installed, use File>Accept Team Invitation.

Copy the invitation below and paste into the Accept Invitation text field.

```
teamRepository=https://jazzdev.torolab.ibm.com:9443/jazz/  
userId=egamma  
userName=Erich Gamma  
projectAreaName=Jazz Project  
teamAreaPath=/Jazz Development/Work Item
```



Accept Team Invitation

connecting to an existing project area'. At the bottom of the dialog box, there are 'Finish' and 'Cancel' buttons. The background shows a web browser window with a search results page for 'Accept an invitation to join a Jazz team area'."/>

Accept Team Invitation

Use a team invitation to configure your workspace to work with a team.

If you have received an invitation by email to join a team, then paste the invitation from the message into the field below:

```
* teamRepository=https://jazzdev.torolab.ibm.com:9443/jazz/
userId=egamma
userName=Erich Gamma
projectAreaName=Jazz Project
teamAreaPath=/Jazz Development/Work Item
```

If you have not received an invitation, you can try [connecting to an existing project area](#)

Accept an invitation to join a Jazz team area

Have you been invited to join a team? Click here to accept the invitation and set up your environment for working with the team.



Team Area

Work Item

Summary: Work Item component

Description: Provides support for managing defect reports, feature requests, and other development tasks.

Members

Name	Process Roles
André Weinand	componentlead, contributor
Benjamin Pasero	contributor
Christof Marti	contributor
Dirk Baeumer	parttime, contributor
Erich Gamma	newcomer, parttime
Frank Lyner (archived)	contributor

Process Customization

development [inherited]

Artifacts

- Builds
 - buildtest.workitem.jazz
 - continuous.workitem.jazz
 - zurich.experimental
 - zurich.build.input
- Feeds
 - All events for this team area
- Plans
 - 0.6 M6 [development]
 - Foundation & Work Items [0.6 M6]
 - 0.6 [development]
 - development
- Work Items
- Reports

Work Items

I	Status	P	S	Summary	Owned By
47108	New			[Joining a Team] Set Up Instant Messaging	Erich Gamma
47107	New			[Joining a Team] Find Your Work Items	Erich Gamma
47106	New			[Joining a Team] Create a Repository Workspace	Erich Gamma

Team Members

*APT [0.6 M6] - Iteration plan APT - 0.6 M6

APT **Problems detected** Feb 25, 2008 | -16 Apr 4, 2008
 31% 69%
 91 Closed 199 Open Items

Team Area: Agile Planning | Iteration: 0.6 M6

Dirk Baeumer
 Open items: 28 | Closed items: 9

Past (9 closed)
 Today (5 open)

Plan editor: child work items owned by another team are no longer shown	1 hour	High	45475
Ghost items on plan	2 hrs	High	46079
Add Task Below / Above should use work item type configured in process configuration.	1 hour	High	45894
Error reporting and resolution is hard because of plan modes	-	Medium	24328
Subscribing to the plan feed using the RSS button does not provide any feedback to the user	2 hrs	Low	23888

Later This Week (2 open)
 Unknown (21 open)

Johannes Rieken
 Open items: 35 | Closed items: 32

Past (32 closed)
 Today (6 open)

Confusing labels in load hover	2 hrs	Medium	44775
browsing a Task hyperlink contained page pop up Location is not named error	1 hour	High	46973
DBC50.6: failed to add attachment	45 mins	High	46975
Can't read the text of "Top Items" when in "My Folders" mode of plan	30 mins	Medium	45580

Overview | **Planned Items** | Charts

Show
 Parent Summary
 Description
 Status

Exclude
 Empty groups
 Estimated items
 Resolved items

[More filters...](#)
[Tags...](#)

Group by
 Scheduled Time

Sort by
 Scheduled Time

Plan Work Items
[Open Items](#)
[Closed Items](#)



New Work for Me

The screenshot displays two main panels from the IBM Rational software interface.

Left Panel: Team Area

- Work Item:** Summary: Work Item component; Description: Provides support for managing defect reports, feature requests, and other development tasks.
- Members:** Roles determine a user's permissions as well as any preconditions and follow-up actions that are run for team operations. The roles assignments below are also valid in all child team areas. Unless configured otherwise, a users in the repository play the 'default' role.

Name	Process Roles
André Weinand	componentlead, contributor
Benjamin Pasero	contributor
Christof Marti	contributor
Dirk Baeumer	parttime, contributor
Erich Gamma	newcomer, parttime
Frank Lyner (archived)	contributor
- Administrators:** (Section header)
- Overview / Process Customization:** (Tabs)
- Navigation:** Problems, Team Ad, Console, History, Plug-in R, Search, Change E, Reposit
- Status:** Found 89 Work Items (5265 ms) - Assigned
- Table:**

I	Status	P	S	Summary
47108	New			[Joining a Team] Set Up Instant Messaging
47107	New			[Joining a Team] Find Your Work Items
47106	New			[Joining a Team] Create a Repository Workspace

Right Panel: *My Work

- Newly Assigned Work (Jazz Project):** (1 new item)
 - Test Failure (C20080310-1406): com.ibm.team.apr.client.tests.scheduling.WorktimeSchedulerTest.testScheduleZero (47105)
- Current Work (Jazz Project):** (11 unread items)
 - Yesterday (1 items): [DEMO] Test Failure (C20080310-1406): com.ibm.team.apr.client.tests.scheduling.WorktimeSchedulerTest.testScheduleZero (47099)
 - Today (0 items): No current work
 - Unknown (11 items)
- Future Work (Jazz Project):** (4 unread items)

Linkage to the problem

The screenshot displays the 'Defect 47105' page in the Rational software interface. The window title is '47105: Test Failure (C20080310-1406): com.ibm.team.appt.client.tests.scheduling.WorktimeSchedulerTest.testScheduleZero - Jazz Project'. The defect summary is 'Test Failure (C20080310-1406): com.ibm.team.appt.client.tests.scheduling.WorktimeSchedulerTest.testScheduleZero'. The 'Details' section on the left shows the defect type as 'Defect', severity as 'Critical', and it was created on 'Mar 11, 2008 1:39 PM' by 'Erich Gamma'. The 'Description' section on the right contains a stack trace for a 'junit.framework.AssertionFailedError' with the message 'expected: <Mon Mar 10 09:00:00 EDT 2008> but was: <Mon Mar 10 09:00:00 EDT 2008>'. The stack trace includes several frames, with the most relevant being 'at com.ibm.team.appt.client.tests.scheduling.WorktimeSchedulerTest.assertScheduling(WorktimeSchedulerTest.java:304)' and 'at com.ibm.team.appt.client.tests.scheduling.WorktimeSchedulerTest.testScheduleZero(WorktimeSchedulerTest.java:139)'. A mouse cursor is pointing at the 'WorktimeSchedulerTest.java:139' link. Below the description is a 'Discussion' section with one comment from 'Dirk Baeumer' on 'Mar 11, 2008, 1:42 PM' stating 'please fix immediately so that the build becomes green again'. The bottom of the interface has tabs for 'Overview', 'Links', 'Approvals', and 'History'.



Drill down to details

The screenshot displays the IBM Rational Build Explorer interface for a specific build. The window title is 'C20080310-1406'. The main content area is titled 'Build continuous.workitem.jazz C20080310-1406'. A red banner at the top left indicates the build is 'Completed'. Below this, the duration is 55 minutes and 6 seconds, the start time is March 10, 2008 7:06:38 PM, and the completion time is March 10, 2008 8:01:44 PM. A status trend bar shows a sequence of grey, red, and green bars. The interface is divided into several sections: 'Reported Work Items' with links for '2 reported against this build', '1 currently open against continuous.workitem.jazz', 'Create a new work item', and 'Associate an existing work item'; 'Contribution Summary' with links for '10 downloads', '1 link', '6 logs', 'WorkItemContinuousBuild', 'continuous.workitem.jazz C20080310-1406', '919 tests, 1 failure, 0 errors', '54 errors, 545 warnings', '4 included in build', 'type: 25%, method: 20%, block: 17%', and 'Show changes'; and 'General Information' with fields for 'Requested by: ADMIN', 'Build Definition: continuous.workitem.jazz', 'Build Engine: apollobuildserv5', 'Build History: 26 builds', and 'Tags:'. A 'Deletion allowed' checkbox is checked. At the bottom, a navigation bar includes tabs for 'Summary', 'Build Activities', 'Compilation', 'JUnit', 'Downloads', 'Logs', 'External Links', 'Properties', and 'Coverage'.

Completed

Duration: 55 minutes, 6 seconds
 Start Time: March 10, 2008 7:06:38 PM
 Completed: March 10, 2008 8:01:44 PM

Status Trend:

Reported Work Items

- [2 reported against this build](#)
- [1 currently open against continuous.workitem.jazz](#)
- [Create a new work item](#)
- [Associate an existing work item](#)

Contribution Summary

- Downloads: [10 downloads](#)
- External Links: [1 link](#)
- Logs: [6 logs](#)
- Repository Workspace: [WorkItemContinuousBuild](#)
- Snapshot: [continuous.workitem.jazz C20080310-1406](#)
- JUnit: [919 tests, 1 failure, 0 errors](#)
- Compile: [54 errors, 545 warnings](#)
- Work items: [4 included in build](#)
- Coverage: [type: 25%, method: 20%, block: 17%](#)
- Changes: [Show changes](#)

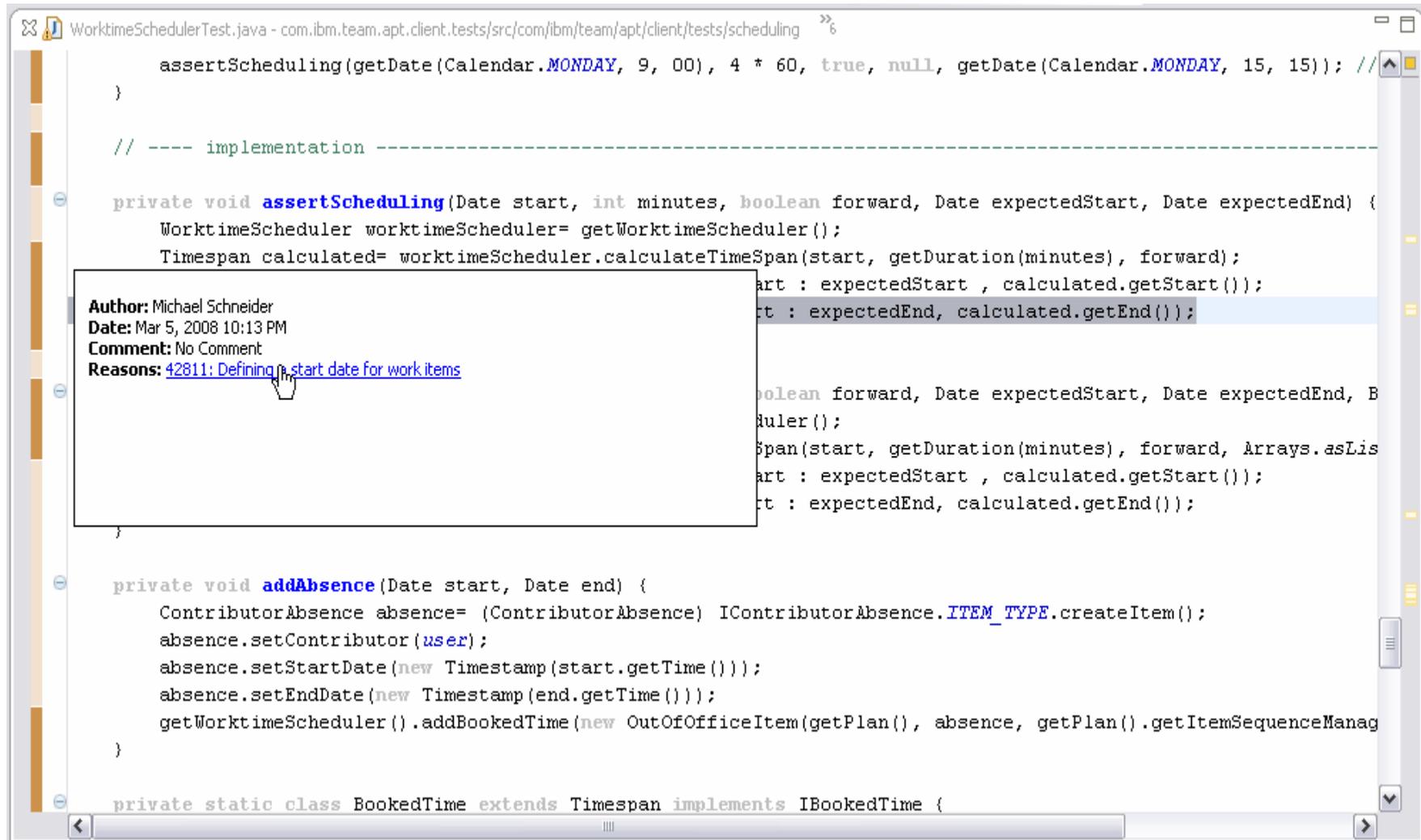
General Information

- Requested by: ADMIN
- Build Definition: [continuous.workitem.jazz](#)
- Build Engine: [apollobuildserv5](#)
- Build History: [26 builds](#)
- Tags:
- Deletion allowed

Summary | Build Activities | **Compilation** | **JUnit** | Downloads | Logs | External Links | Properties | Coverage



Fix the Problem



The screenshot shows an IDE window titled "WorktimeSchedulerTest.java - com.ibm.team.appt.client.tests/src/com/ibm/team/appt/client/tests/scheduling". The code is a Java test class with several methods. A code review comment is displayed over the code, pointing to a line in the `assertScheduling` method.

```

assertScheduling(getDate(Calendar.MONDAY, 9, 00), 4 * 60, true, null, getDate(Calendar.MONDAY, 15, 15)); //
}

// ---- implementation -----

private void assertScheduling(Date start, int minutes, boolean forward, Date expectedStart, Date expectedEnd) {
    WorktimeScheduler worktimeScheduler= getWorktimeScheduler();
    Timespan calculated= worktimeScheduler.calculateTimeSpan(start, getDuration(minutes), forward);
    start : expectedStart , calculated.getStart();
    end : expectedEnd, calculated.getEnd();

    boolean forward, Date expectedStart, Date expectedEnd, B
    uler();
    span(start, getDuration(minutes), forward, Arrays.asLis
    art : expectedStart , calculated.getStart();
    t : expectedEnd, calculated.getEnd();

private void addAbsence(Date start, Date end) {
    ContributorAbsence absence= (ContributorAbsence) IContributorAbsence.ITEM_TYPE.createItem();
    absence.setContributor(user);
    absence.setStartDate(new Timestamp(start.getTime()));
    absence.setEndDate(new Timestamp(end.getTime()));
    getWorktimeScheduler().addBookedTime(new OutOfOfficeItem(getPlan(), absence, getPlan().getItemSequenceManag
}

private static class BookedTime extends Timespan implements IBookedTime {

```

Author: Michael Schneider
Date: Mar 5, 2008 10:13 PM
Comment: No Comment
Reasons: [42811: Defining start date for work items](#)



Deliver a Fix (Change Set)

The screenshot shows an IDE with two main windows. The left window displays the source code for `WorktimeSchedulerTest.java`. The right window, titled "Pending Changes", shows a tree view of change sets. Below the IDE, a "Problems" window displays a list of work items.

```

WorktimeSchedulerTest.java - com.ibm.team.apr.client.tests/src/com/ibm/team/apr/client/tests/
    assertScheduling (getDate (Calendar.MONDAY, 9, 00),
    }
    // ---- implementation -----
    private void assertScheduling (Date start, int minutes,
    WorktimeScheduler worktimeScheduler= getWorktimeSc
    Timespan calculated= worktimeScheduler.calculateTi
    assertEquals (forward && expectedStart == null) ?
    //assertEquals (!forward && expectedEnd == null) ?
    }
    private void assertScheduling (Date start, int minutes,
    WorktimeScheduler worktimeScheduler= getWorktimeSc
    Timespan calculated= worktimeScheduler.calculateTi
    assertEquals (forward && expectedStart == null) ?
    assertEquals (!forward && expectedEnd == null) ?
    }
    private void addAbsence (Date start, Date end) {
    ContributorAbsence absence= (ContributorAbsence)
    absence.setContributor (user);
    absence.setStartDate (new Timestamp (start.getTime ()
    absence.setEndDate (new Timestamp (end.getTime ()));
    getWorktimeScheduler ().addBookedTime (new OutOfOffi
    }
    private static class BookedTime extends Timespan imple
    
```

Pending Changes

- 9 incoming change-sets, 2 outgoing change-sets
- SilverCity <-> SilverCity
 - SilverCity
- WorkItem Workspace <-> WorkItem
 - AgilePlanning
 - Outgoing
 - <Enter a Comment >
 - com.ibm.team.apr.client.tests/src/com/ibm/team/apr/client/tests/
 - WorktimeSchedulerTest.java (Modified)
- Incoming
 - Filesystem
 - Foundation
 - Jabber
 - Process
 - Process UI
 - RelEng
 - Repository
 - Repository Client
 - Repository Gateway
 - Repository Migration Tooling
 - Repository Workloads
 - Sametime
 - SCM
 - Server
 - WorkItem
 - Incoming
 - Zurich Development Tools

Problems

Found 89 Work Items (5265 ms) - Assigned

I	Status	P	S	Summary
47108	New			[Joining a Team] Set Up Instant Messaging
47107	New			[Joining a Team] Find Your Work Items
47106	New			[Joining a Team] Create a Repository Workspace

Process Enforcement

The screenshot shows an IDE window titled "Work Items - com.ibm.team.appt.client.tests/src/com/ibm/team/appt/client/tests/scheduling/WorktimeSchedulerTest.java - Team Concert". The code editor displays a Java file with a line: `assertScheduling(getDate(Calendar.MONDAY, 9, 00), 4 * 60, true, null, getDate(Calendar.MONDAY, 15, 15));`. A "Team Advisor" dialog is open, showing a "Deliver (failed)" error. The error message is "Non-approved Change sets". The dialog provides the following information:

- Problem:** Change sets which aren't approved cannot be delivered to WorkItem.
- Reason:** Please have your code reviewed and approved before delivering.
- Solutions:**
 - [Submit Change sets for Review](#)
 - [Why did this happen?](#)

At the bottom, the "Problems" view shows a list of errors: "Deliver (failed)", "Non-approved Change-sets", "Accept Team Invitation (succeeded)", "Save Work Item (succeeded)", "Deliver (failed)", and "Non-approved Change-sets [quick fix applied]". The "Non-approved Change-sets" error is highlighted.

Process Requires Code Review

Submit Change-sets for Review

Review tasks will be created and associated with these change-sets.

Suspend change-sets

Add a comment to the work item:

Please review

Reviewer Configuration

Request review

Select reviewers for these change-sets:

Dirk Baumer

Buttons: Add... Remove

Subject: Review

Buttons: < Back Next > Finish Cancel

Deliver (failed)

- Non-approved Change-sets
- Accept Team Invitation (succeeded)
- Save Work Item (succeeded)
- Deliver (failed)
- Non-approved Change-sets [quick fix applied]

Change-sets which aren't approved cannot be delivered to WorkItem.

Reason
Please have your code reviewed and approved before delivering.

[why did this happen?](#)

Solutions
[Submit Change-sets for Review](#)

Easy Access to Change Set to Review

Work Items - Jazz Project - Team Concert

File Edit Navigate Search Project Run Window Help

47105: Test Failure (C20080310-1406): com.ibm.team.apl.client.tests.scheduling.WorktimeSchedulerTest.testScheduleZero - Jazz Project

Defect 47105

Summary:* Test Failure (C20080310-1406): com.ibm.team.apl.client.tests.scheduling.WorktimeSchedulerTest.testScheduleZero

Filed Against:* Work Items

Tags:

Owned By: Erich Gamma

Priority: Unassigned

Planned For: -> 0.6 M6

Estimate: Correction:

Time Spent:

Due: None

Quick Information

- Subscribers (1): DB
- Change Sets (1)
- Reported against Builds (1)
- Review: Pending (1 of 1)

Discussion (2 comments)

1. **Dirk Baeumer**, Mar 11, 2008, 1:42 PM
please fix immediately so that the build becomes green again
2. **Erich Gamma**, -
Please review

Overview Links Approvals History



Conclusions

- Jazz and Team Concert is developed and used by a globally distributed team

- Experiences
 - ▶ we have become **more continuous**
 - ▶ things important to us we make **explicit**
 - ▶ increased **awareness**
 - ▶ improved **practices**

Effortless access to assets, notifications, reporting,
and tracking for everybody



www.jazz.net

Jazz COMMUNITY SITE

Home Community Log In

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 >>](#)





DEMO





QUESTIONS





THANK YOU

Learn more at:

- [IBM Rational software](#)
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