



Cómo IBM utiliza Jazz para el desarrollo de sus propias soluciones (or: How IBM uses Jazz to develop Jazz)

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Technical Leader for Rational CLM

Six Years Ago: Our Pain Points...

- ✓ joining a team
- ✓ get my environment configured to be productive
- ✓ what is happening in my team **Team awareness**
- ✓ collecting progress status **Team awareness**
- ✓ following the team's process
- ✓ ad hoc collaboration/sharing of changes
- ✓ starting an ad hoc team

- ✓ is the fix in the build?
- ✓ run a personal build **Build awareness**
- ✓ tracking a broken build **Build awareness**
- ✓ why is this change in the build?
- ✓ reconstructing a context for a bug/build failure

- ✓ interrupting development due to a high priority bug fix
- ✓ working on multiple releases concurrently
- ✓ tracking the code review of a fix
- ✓ referencing team artifacts in discussions
- ✓ how healthy is a component?
- ✓ collecting project data/metrics? **Project awareness**
- ✓ keeping plans up to date **Project awareness**



Boring and painful



Pain relief: Rational Team Concert

Agile Planning

- Integrated release/iteration planning
- Effort estimation & progress tracking taskboards
- Out of the box agile process templates

Project Transparency

- Customizable web based dashboards
- Real time metrics and reports
- Project milestone tracking and status

SCM

- Integrated stream management
- Component level baselines
- Server-based sandboxes
- Identifies component in streams and available baselines
- SVN, Git, CC bridge, connector

Work Items

- Defects, enhancements and conversations
- View and share query results
- Support for approvals and discussions
- Query editor interface
- ClearQuest bridge, connector

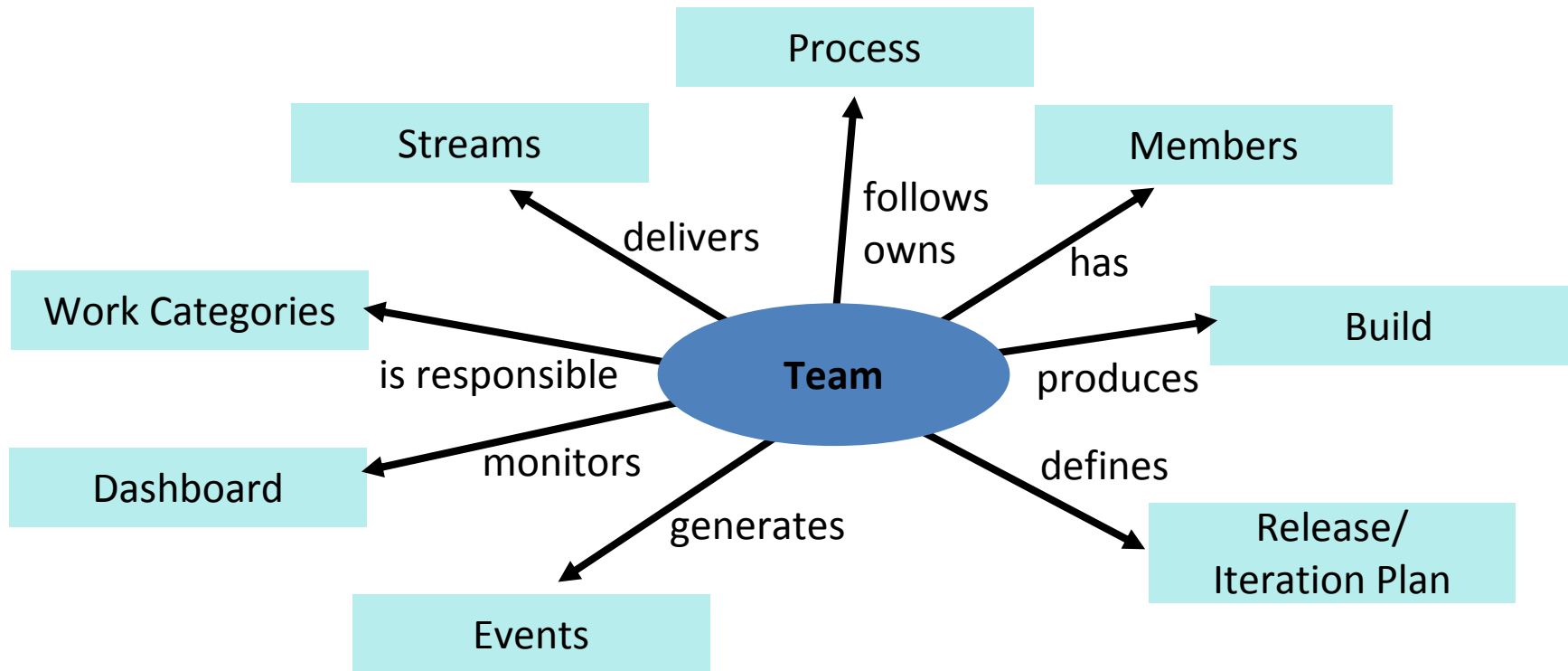
Continuous Integration

- Work item and change set traceability
- Build definitions for team and private builds
- Local or remote build servers
- Supports Ant and command line tools
- Integration with Build Forge

Jazz Team Server

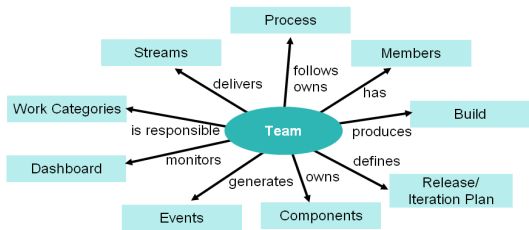
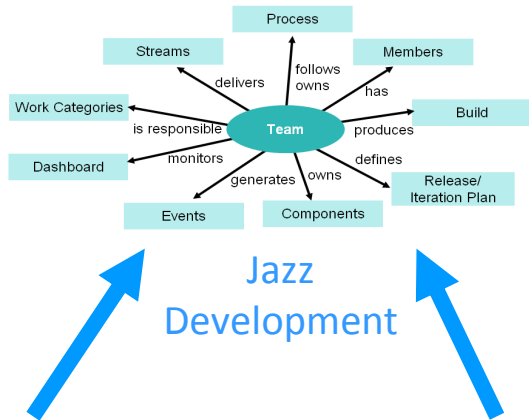
- Single structure for project related artifacts
- World-class team on-boarding / offboarding including team membership, sub-teams and project inheritance
- Role-based operational control for flexible definition of process and capabilities
- Team advisor for defining / refining "rules" and enabling continuous improvement
- Process enactment and enforcement
- In-context collaboration enables team members to communicate in context of their work

Ways of Working: Team Centric

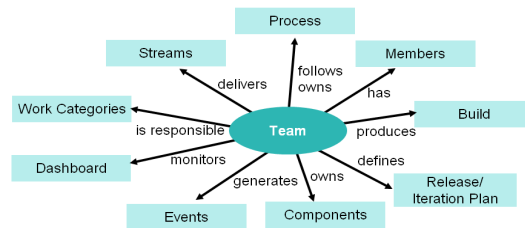


Teams are self-tuned but share a common rhythm

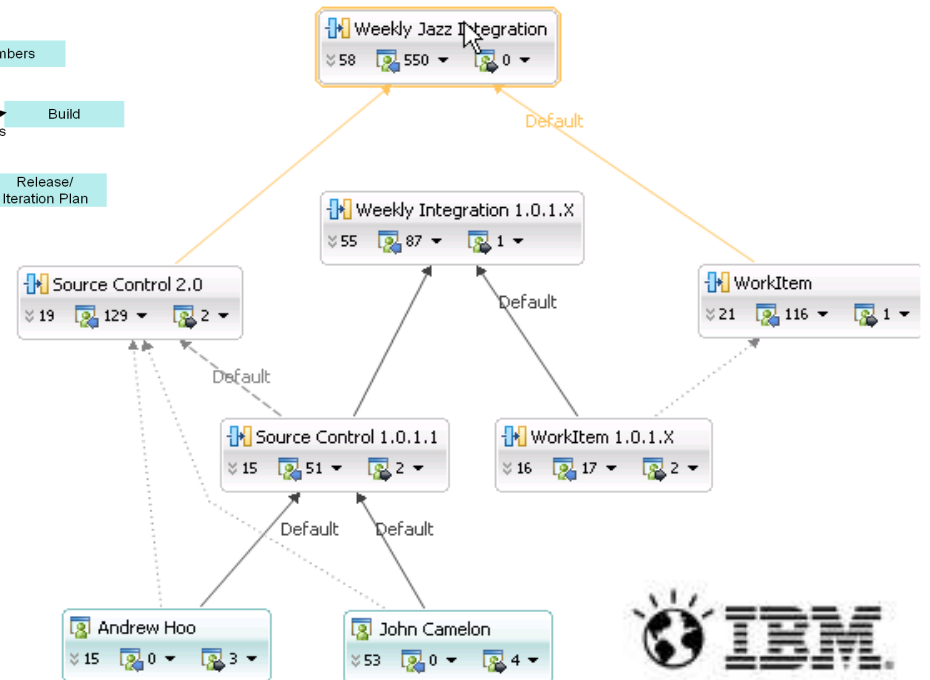
Scaling up: Teams of Teams



Process



Repository





Java - Event Log - Rational Team Concert - /Users/scotrich/Documents/112011

Event Log Refresh to get the latest updates

Feb 26, 2012 - Week 9 | Mar 4, 2012 - Week 10 | Mar 11, 2012 - Week 11

Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu Fri Sat

Showing 394 of 1026 items from Feb 26, 2012 to Mar 18, 2012 | Expand All | Mark All News as Read

Today (36 items found)

- [2] Create a link to JKE Product Backlog in Bobs mini widget instead of current plans (201868) 1 hour ago
- [16] Select a plan by default in the persistent project dashboard area for MTM sample (196314) 1 hour ago
- [84] Track CLM 2012 RC1 (March 5 - March 23, 2012) (199951) 1 hour ago

Thursday, March 15, 2012 4:57 PM
Martha DasSarma changed:

Comments [#75]	Builds and other requests failing with SocketTimeoutExceptions (201857) is tracking the problems we have seen with builds today.
Mentions Link	added: 201857: Builds and other requests failing with SocketTimeoutExceptions

Thursday, March 15, 2012 4:55 PM
Martha DasSarma changed:

Comments [#74]	calm.jcb 20120315-0814 died: the following HTTP error occurred: "java.net.SocketTimeoutException" @jmickels and @ffusier FYI. I am attempting to start a new one.
Mentions Link	added: calm.jcb 20120315-0814

Thursday, March 15, 2012 3:27 PM
Frederic Fusier changed:

Comments [#73]	re comment 72: @dassarma, @sanketja, will RM hangs indefinitely while registering applications in JTS setup (56377) fix be also included in this build?
Mentions Link	added: RM hangs indefinitely while registering applications in JTS setup (56377)

Thursday, March 15, 2012 2:20 PM
Martha DasSarma changed:

Event Log

mac event log Rational Team Concert 201612: Update the MTM project a ..

2/10

Build finished with errors
foundation.stable.jcb.edb.test
s.db2 RJF-I20120316-2055-



Team awareness: What's the plan?

Jazz Collaborative ALM

Project Dashboards ▾ Work Items ▾ Plans **CLM 3.0.1** Builds ▾ Reports ▾

CLM 3.0.1 * ?

246 items: 165 open, 81 closed | Ends in: 41 days

Plan Details

Planned Items ? Links Snapshots Dashboard Definition of Done Executive Status Help Wanted Notes Planning Notes Schedule Wish list

View As: Work Breakdown ▾ [Icons] Type to Filter (97 items filtered)

Actions	Summary	Priority	Commitment	Risk Status	DCP Boca
[Icons]	CLM (Finish) Common administration of a project	Must	Committed	Green	Base Content
	CLM (Finish) Support work items as a service	Must	Committed	Green	Base Content
	CLM Improve and deepen traceability links & views, add support for change impact/sus	Must	Unassigned	Green	Base Content
	CLM Adopt common visual style	Must	Committed	Green	Base Content
	CLM (Finish) CLM reporting	Must	Committed	Green	Base Content
	CLM (Finish) Provide common install for Rational Workbench for CLM products	Must	Committed	Green	Base Content
	CLM CLM - Common Sample: Adopt a common sample application & project	Must	Committed	Green	Extended Content
	CLM (Finish) Define and Implement C/ALM Reports	Must	Committed	Green	Base Content
	CLM Consume OSLC Architecture Management v2 specification	Should	Deferred	Green	N/A
	CLM Support RQM local Defect enhancements in C/ALM setup	Must	Unassigned	Green	Base Content
	CLM Implement C/ALM 2009/2010 to C/ALM 2011 upgrade strategy across products	Must	Committed	Yellow	Base Content
	CLM Decouple built-in Requirements from RQM	Must	Committed	Green	Base Content



Change and Configuration Management (Jazz)

Rational Team Concert

Erich Gamma

Project Dashboards > Work Items > Plans > Builds > Reports >

Search Work Items

All Rational Team Concert Dashboards > Rational Team Concert > RTC Development >

Tracking and Planning

General Buildmeister Wallboard Work Item Taskboard Planning Taskboard

Add Widget

Work Item Taskboard

Taskboard for the Work Item team for the current sprint.

Story	Open	In Progress
<p>Need a mechanism to automatically</p>		<p>Restricted access presentations</p> <p>2 hours</p> <ul style="list-style-type: none">30 minutes1 hour2 hours4 hours1 day2 days3 days1 week
	<p>Create tech note on the use of "comment" as a</p> <p>Article about contributing WEB UI presentations</p>	<p>Layout issues on "Link To Existing Defect" dialog</p>
	<p>Improve Work Item web WorkItemProxy</p> <p>Update http://jazz.net/library</p>	<p>Queries marked "changed" on opening or just</p>



Build Awareness

- Multi-staged continuous integration
 - Developer (continuous)
 - Team (continuous)
 - Product (weekly)
 - Composite product (weekly)

A Team's Build Dashboard

The dashboard displays the following sections:

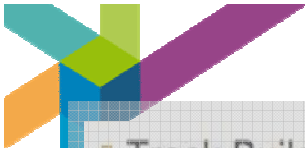
- Rules of the Road:** Buildmeister this week (Masaki Wakao, Backup: Kotaro Shima). Build input times: 9pm JST (Tokyo), 2pm CEST (Zurich), 8am EDT (Raleigh), 5am PDT (Irvine).
- Buildmeister Assignments:** A table showing weekly assignments for Buildmeister and Backup.
- Buildmeister Instructions:** Weekly duties including delivering baselines and changes to RTC integration.
- RTC 3.0 Integration Builds:** A list of build statuses (Succeeded/CLEAN) with timestamps.
- Work Item Continuous Build Health:** A bar chart showing the number of builds over time.
- RTC 3.0 Tracking and Planning Continuous Builds:** A list of failed builds with error messages.
- Recent Source Control Events:** A section for tracking source control changes.

Week	Buildmeister	Backup
04/26-04/30	Masaki Wakao	Kotaro Shima
05/03-05/07	Ben Pasero	Masaki Wakao
05/10-05/14	Jeff Steele	Ben Pasero
05/17-05/21 (M6)	Jan Wilko	Patrick Straube
05/24-05/28	Lauren Hayward	Jeff Steele
05/31-06/04	Simonetta LaCava	Lauren Hayward



Information Radiators: *Wallboards*





Track Build Item 166103



Summary: Track RTC 3.0.1 RC4 (May 16-May 27)

Green

Loaded: Jun 1, 2011 9:09 AM

Overview Links Approvals History

Details

Creation Date:	May 16, 2011 2:22 PM	Resolution Date:	May 31, 2011 12:19 AM
Created By:	Sonia Dimitrov	Resolved By:	Sonia Dimitrov
Filed Against:	Release Engineering		

Quick Information

- Promote rtc.jcb RTC-... : Approved (9 of 9)
- Promote rtc.jcb RTC-l... : Approved (1 of 1)
- Promote rtc.jcb RTC-l... : Approved (4 of 4)
- Promote rtc.jcb RTC-l... : Approved (5 of 5)
- Promote rtc.jcb rtc.j... : Approved (8 of 8)
- Subscribers (166): AA, AC, AS, AH, AW, AB, AR, BS, BK, BP, ...
- Copies (1): 164121
- Copied From (1): 167621
- Mentions (58): 164813, 23, 22, 2, 3, 8, 4, 11, 5, 6, ...
- Mentioned By (5): 165983, 166077, 166124, 166844, 167074



Subscribers (166): AA, AC, AS, AH, AW, AB, AR, BS, BK, BP, ...

Description

3.0.1 RC4: May 16-May 27

Stream: RTC Integration
 Build definition: rtc.jcb
 Build Schedule: 4:30 pm and 10:30 pm daily
 Deploy: <https://bsinxvh04.ottawa.ibm.com:9443/>,
 RJF's Supplier: <http://jazzweb.beaverton.ibm.com/foundation/stable/VRJF.properties>
 Rules of the road: see <https://jazz.net/wiki/bin/view/Main/RTCEndGame301>

RJF's TBI: TBA
 CLM's TBI: Track CLM 2011 RC4 (May 16 - May 27) (166077)
 Self-hosting and test server deployments: Track self-hosting staging and deployment for CLM 2011 RC4 (166076)

Discussion (46 comments)

Add Comment

Collapse All | Expand All

1. Sonia Dimitrov May 16, 2011 2:22 PM

Copied from work item 164121.

2. Sonia Dimitrov May 16, 2011 8:12 PM





27. Bankar Jain May 26, 2011 3:57 PM

Build and Deploy Status -

- The latest build rc.job RTC-20110525-2359 is RED due to WorkItem Unit Test failure - Defect 162255
- Manually promoted rc.job RTC-20110525-2359 build
- rc.job RTC-20110525-2359 build is based on foundation stable job R/JF-20110525-2115

28. Johannes Rietson May 26, 2011 6:02 PM

Rejected because we had two deliveries today

29. Sonia Dimitrov May 26, 2011 8:08 PM

Given the jazzdev outage scheduled for 8 pm ET this evening, I would like to move the 4:30 pm build up to 2 pm with the aim to get a CLM build based on this to allow testers in India to test a fix for defect 167061.

@marina - can you get the fix for defect 167061 delivered before 2 pm ET?

@dassarma - is it possible to get a CLM build based on a rc.job build that will complete around 8 pm?

30. John Cameron May 26, 2011 7:55 PM

Rejected as we will be wanting to include work item 167295.

31. Ted Mee May 26, 2011 7:43 PM

Delivered change for work item 167295 to RTC integration.

32. Martha DasSarma May 26, 2011 6:14 PM

@dimitrovs comment 29. The rc.job build is taking around 6 hours and 30 minutes. Not sure if one will get done before the outage at 8PM and I don't see one running yet. I will keep an eye.

33. Sonia Dimitrov May 26, 2011 3:21 PM

Given the outage, the next complete rc.job build should complete sometime around 5 am ET tomorrow (Fri). The 10:30 pm build has been pushed to 11:15 pm.

34. Jared Burns May 26, 2011 11:18 AM

Rejecting due to required CAL changes being tracked in Update CLM GALs due to change of process authoring operation IDs (167302)

35. Bankar Jain May 27, 2011 10:22 AM

Build and Deploy Status -

- The latest build rc.job RTC-20110526-2015 is green and is based on foundation stable job R/JF-20110526-1745
- rc.job RTC-20110526-2015 has been deployed to |belnrvh04.

36. Sonia Dimitrov May 27, 2011 1:44 PM

I have created a new approval item and moved some folks over based on new contributions between rc.job RTC-20110526-2015 and rc.job RTC-20110525-2359.

37. Guy Blais May 27, 2011 3:48 PM

SVT_RC3_W2: Binary rebuild does not rebuild COBOL file if true output is true (162906) has just been reopened on us. Investigating now to see what the deal is and whether we can fix it today



About those pain points...

- Good progress on awareness and collaboration
 - Build awareness is very good, even if it's not always Green
 - Collaboration across sites is good, enabling worldwide feature teams
 - Fewer, more productive planning calls, less time reporting status
- Our new pain points have to do with the rest of the product lifecycle
 - Getting to a plan
 - Agreeing on and communicating the details of a complex feature
 - Getting to done
 - Getting from a final Milestone to shipped software
 - They involve a lot of interaction with non-Eclipse project members...

Agility @ scale at IBM

Pittsburg
Poughkeepsie
Princeton
Somers
Southbury
NY NY

Andover
Bedford, MA
Bedford, NH
Lexington
Westborough

Cork
Dublin

London/Staines
Milton Keynes
Hursley
Warwick
York

IBM Rational host:

- Over 150 Rational development projects (~2800 users) using Rational Team Concert
- Plus an additional 700+ projects around IBM -- hosting 8500+ users!
- Boarding time for new projects - less than one day

More than 72,000 RTC users in IBM!

- Across all brands of Software Group, Services, and even our X-Series server development
- Adopted by agile/iterative and waterfall projects

- Rational Development
- Rational Customer Support
- WebSphere Development
- Lotus Development
- Tivoli Development
- IBM Research Division
- IBM Global Business Services
- IBM Systems and Technology Group





Java - https://jazz.net/rm/web#action=com.ibm.rdm.web.pages.showArtifact&artifactURI=https%3A%2F%2Fjazz.net%2Frm%2Fresources%2F_pc2ssAIXEeGKcevz...

1710: Project Area editor with vertical tabs - Requirements Management (RM) - https://jazz.net/rm/web#action=com.ibm.rdm.web.pages.showArtifact&artifactURI=https%3A%2F%2Fjazz.net%2Frm%2Fresources%2F_pc2ssAIXEeGKcevzWidTQQ

172106: [JAF-Navigation] Capability menu design (wireframes or mockups) for Process > Project Areas and Templates

Status: Resolved
Resolution: Fixed

Details

Type:	Task	Owned By:	Kim Peter
Severity:	Normal	Priority:	High
Found In:	3.5 Development	Planned For:	4.0 M7 Candidate
How Found:	Development	Estimate:	4 hours (Correction: 8 hours)
Creation Date:	July 21, 2011 1:02 PM	Time Spent:	
Created By:	Kim Peter	Due Date:	November 25, 2011 12:00 PM
Team Area:	UI Design / Jazz Foundation	Resolution Date:	December 2, 2011 6:55 PM
Filed Against:	User Experience/UI Design	Resolved By:	Kim Peter
Tags:	navigation, nav_feature		

Quick Information

- Subscribers (2): JH, KP
- Attachments (2): 76365, 76685
- Blocks (1): 175726
- Duplicated By (1): 172152
- Mentions (6)
- Mentioned By (4)

Description

Includes moving editor layout to vertical tabs.

▼ Show More

1 2 3 4 5 6 7 8 9

Where Used (0)

335 Hits

project area navigation Jazz Foundation 201612: Update t...TM project a ...





Development – Test Awareness

CLM 3.0.1

241 items: 170 open, 71 closed | Ends in: 52 days

Plan Details

Planned Items

Links

Snapshots

Dashboard

Definition of Done

Executive Status

Help Wanted

Notes

Planning Notes

Schedule

Wish list

View As: Coverage (131 items filtered)

Actions	Summary	Status	Tested By Test Case
	(Finish) CLM reporting	Testing	Links (26): 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23
	(Finish) Define and Implement C/ALM Reports	Testing	Links (14): 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14
	(Finish) Provide common install for Rational Workbench for CLM	Implementi	Links (7): 1, 2, 3, 4, 5, 6, 7
	Implement C/ALM 2009/2010 to C/ALM 2011 upgrade strategy a	Testing	Links (6): 1, 2, 3, 4, 5, 6
	(Finish) Implement uniform licensing model	Testing	Links (22): 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
	(Finish) Common administration of a project	Testing	Links (5): 1, 2, 3, 4, 5
	(Finish) Support work items as a service	Ready to Test	Links (3): 1, 2, 3
	Support RQM local Defect enhancements in C/ALM setup	Testing	Links (4): 1, 2, 3, 4
	Improve CLM Usability	Ready to Test	Links (8): 1, 2, 3, 4, 5, 6, 7, 8
	Decouple built-in Requirements from RQM	Testing	Links (7): 1, 2, 3, 4, 5, 6, 7
	Improve and deepen traceability links & views, add support for c	Testing	Links (5): 1, 2, 3, 4, 5
	Test Case? Complete OSLC v2 support "Must" specification level	Ready to Test	--
	increase Developer confidence on CLM	Testing	--
	Towards UI Conformance and a common UI Style	Ready to Test	Links (10): 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
	CLM - Common Sample: Adopt a common sample application	Testing	Links (2): 1, 2

to Test --

to Test --

Add Tested By Test Case...





Jazz Collaborative ALM

Work Items > Queries > Search Results for CLM smoke >

Previous | 42 in 1 - 50 | Next

Defect 149938

Summary: Failing Test Case "CLM Smoke Test" when executing Test Execution Record "CLM Smoke Test" → Resolved

Overview | Links | Approvals | History

Attachments

Add File:

No Attachments.

Links

Add: Related

- Affects Test Result
 - 205: CLM Smoke Test_CLM Dev Test - Tomcat 5.5_Derby 10.5_Firefox 3.5_Windows XP
- Related Test Case
 - 20: CLM Smoke/BVT Test
- Related Test Plan
 - 7: CLM 3.0 Dev Test
- Affects Plan Item
 - 139485: Track CLM 2011 M12 (November 8 - January 14)

No Links.

/Main
page at <https://clmwb:9443/admin>

classic as name for the project
single USER playing all roles. Create a new
M12/its/admin > User Management and

We run the script as a single USER
new USER and assign it the correct

- Go to <https://clmwb:9443/its/admin> > User Management
and create a new user USER.





Quality Management (QM) | Jazz Foundation (QM) | Scott Rich | Search QM Resources

Test Case Execution Records

View As: Traceability | 10 Items per page

Name
4.0 RCO (1 - 10 of 10)
Process Desc
CLM Smoke
CLM Smoke
CLM Smoke
CLM Smoke
CLM Smoke
Test export/in
Test export/in
Free form tes
Free form tes
Free form tes

Showing 61-70 of 191 items

199059: %template.projectAreas.projectArea.title shows up in Money that Matters progress message

Status: Resolved
Resolution: Invalid

Details

Type:	Defect	Tags:	
Severity:	Normal	Owned By:	Unassigned
Found In:	4.0 RCO Development	Priority:	Unassigned
How Found:	Development	Planned For:	Unassigned
OS:	Unknown	Estimate:	
Client:	Unknown	Time Spent:	
Creation Date:	February 28, 2012 1:48 PM	Due Date:	Unassigned
Created By:	Martha Andrews	Resolution Date:	February 28, 2012 2:06 PM
Team Area:	Lifecycle Project Administration / Jazz Foundation	Resolved By:	David Murray
Filed Against:	Lifecycle Project Administration		

Quick Information

- Subscribers (3): DM, MA, PD
- Attachments (1): 88923
- Affects Test (1)
- Mentions (1)
- Mentioned By (2)

Description

Untranslated variables show up in the Money that Matters sample progress messages. See attached screenshot.

Note: I imported the money that matters template from work item 198995. Don't know if this caused the problem

Discussion

Show More

RCO

Defects

- (1), (2)
- 199059: %template.projectAreas.projectArea.title shows up in M...
- 199207: Summary filed is eaten when creating link from RM to ...

Go to "https://jazz.net/jazz/resource/itemName/com.ibm.team.workitem.WorkItem/199059"





Is it really champagne yet?

- It's a lot better than the environment we had six years ago. Noone would go back to that tool chain and way of working.
- For development tasks, we're pretty happy.
- We're seeing teams adopt new capabilities on their own, so the requirements elaboration and test management capabilities are reaching the point of developer demand.
 - OSLC-style integrations work well for us, giving peripheral awareness...
- In summary, we've made a lot of progress, but we're not done yet.



See more at
www.jazz.net



We're building a new generation of products to make software systems development more collaborative, productive, and efficient.

Collaborative Lifecycle Management 2012 Beta

Learn about the integrated ALM solution of RTC, RQM, and RRC

Rational DOORS Next Generation

Check out our newest requirements initiative

Sandbox Trials

Get an instant trial of CLM 2011 including RTC, RQM, and RRC

JazzHub

Free, public hosting, powered by

→ The Beta has landed.

March 6 - Our latest beta of CLM 2012, with **Rational Team Concert**, **Rational Quality Manager**, and **Rational Requirements Composer** is now available for download.

[Learn more in the blog >](#)



Rational Team Concert



Rational Quality Manager



Rational Requirements Composer



Rational DOORS Next Generation



Rational Insight



Rational Build Forge

Jazz Team Blog



Announcing the CLM 2012 Beta! **Featured Post**

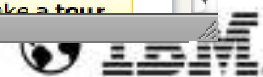
By Scott Rich Wed, 07 Mar 2012

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Search

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