IBM Rational Software

jazz

Drinking our own champagne

Inside the concert of RTCz development

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IBM

Rational. software

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Agenda

Back to the *Jazz* basics

Team Concert for *System z*

One world, one agile team

One tool to rule them all

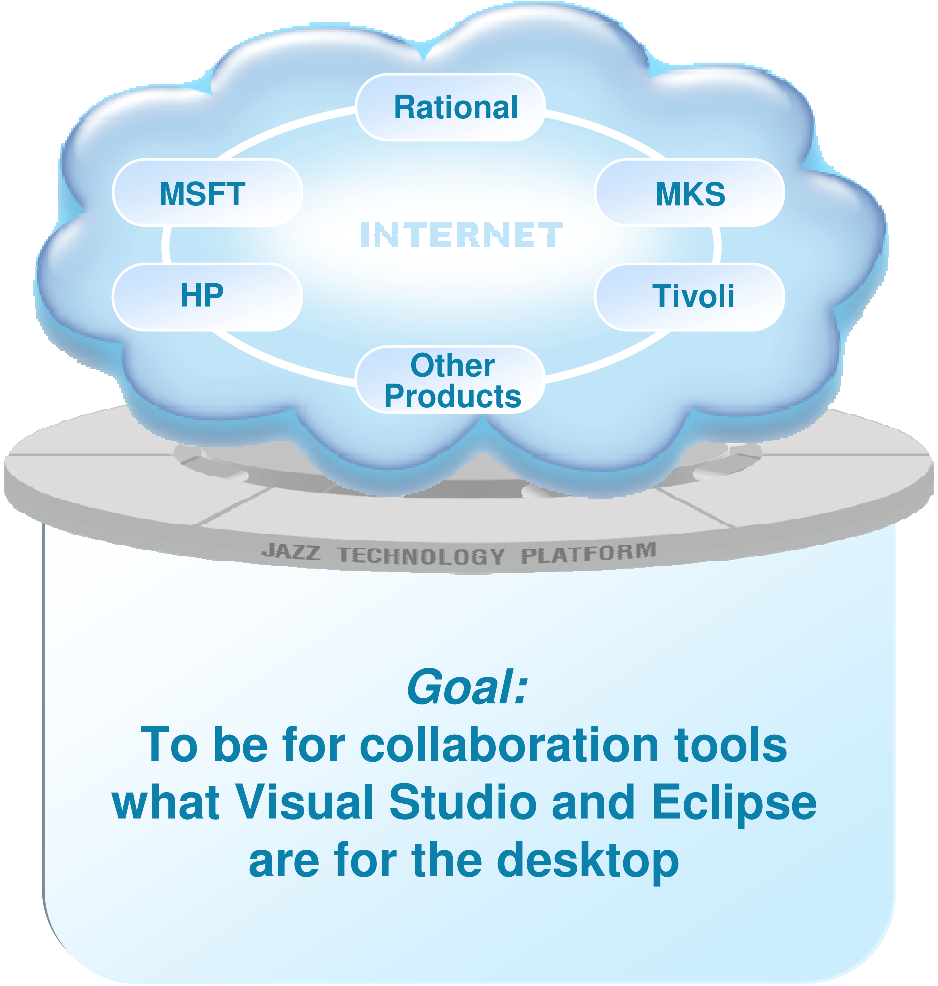
Lessons learned

Are we there yet?

Resources

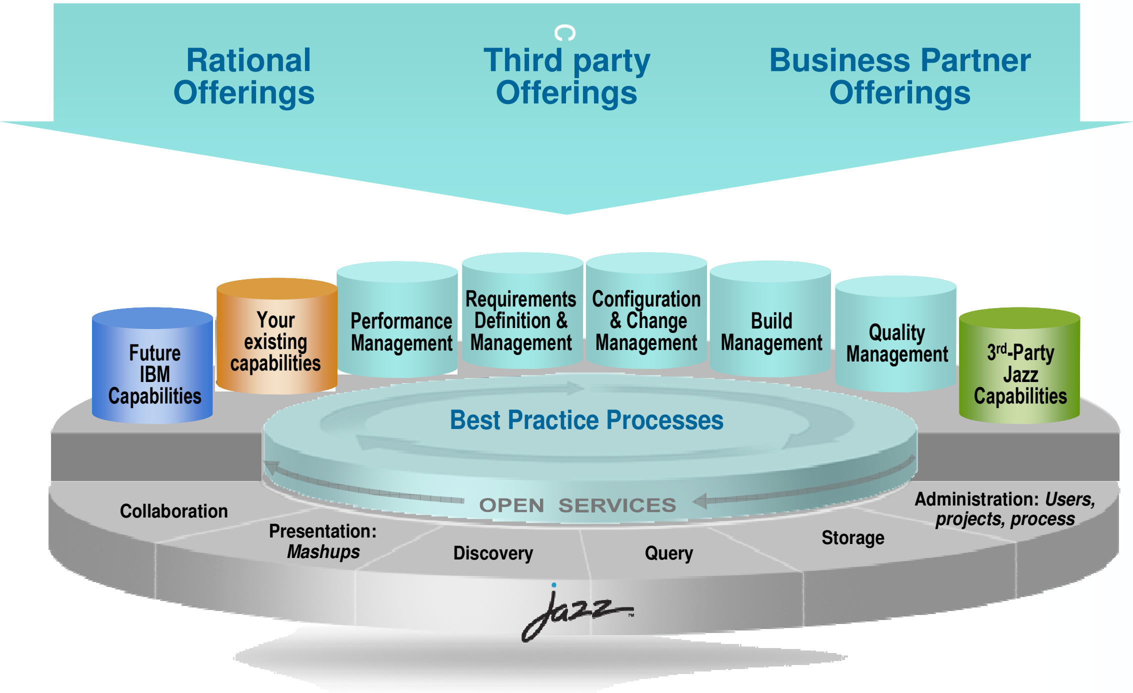
Technical requirements of a software delivery platform

- **Learn from industry mistakes**
  - Don't assume that customers will only use your products
  - Don't assume that all data will be stored in a central repository
- **Take advantage of the Internet**
  - Amazingly scalable and extensible
  - Integrates information on a massive scale
  - Collaboration on an unprecedented scale
- **Make it open and extensible**
  - Specify data independently of tools
  - Standardize data access through HTTP/REST standard protocols



Goal:
To be for collaboration tools what Visual Studio and Eclipse are for the desktop

Jazz is a platform for transforming software delivery



Jazz is a platform for *transforming how people work together* to deliver greater value and performance from their software investments.

Jazz is…

- Our vision of the future of systems and software delivery
- A scalable, extensible team collaboration platform
- An integration architecture enabling mashups and non-Jazz products to participate
- A community at Jazz.net where Jazz products are built
- An evolution of our portfolio over time

Essential attributes of Jazz

Collaborate

Deliver transparency of teams and projects for continuous, context-sensitive collaboration

Automate

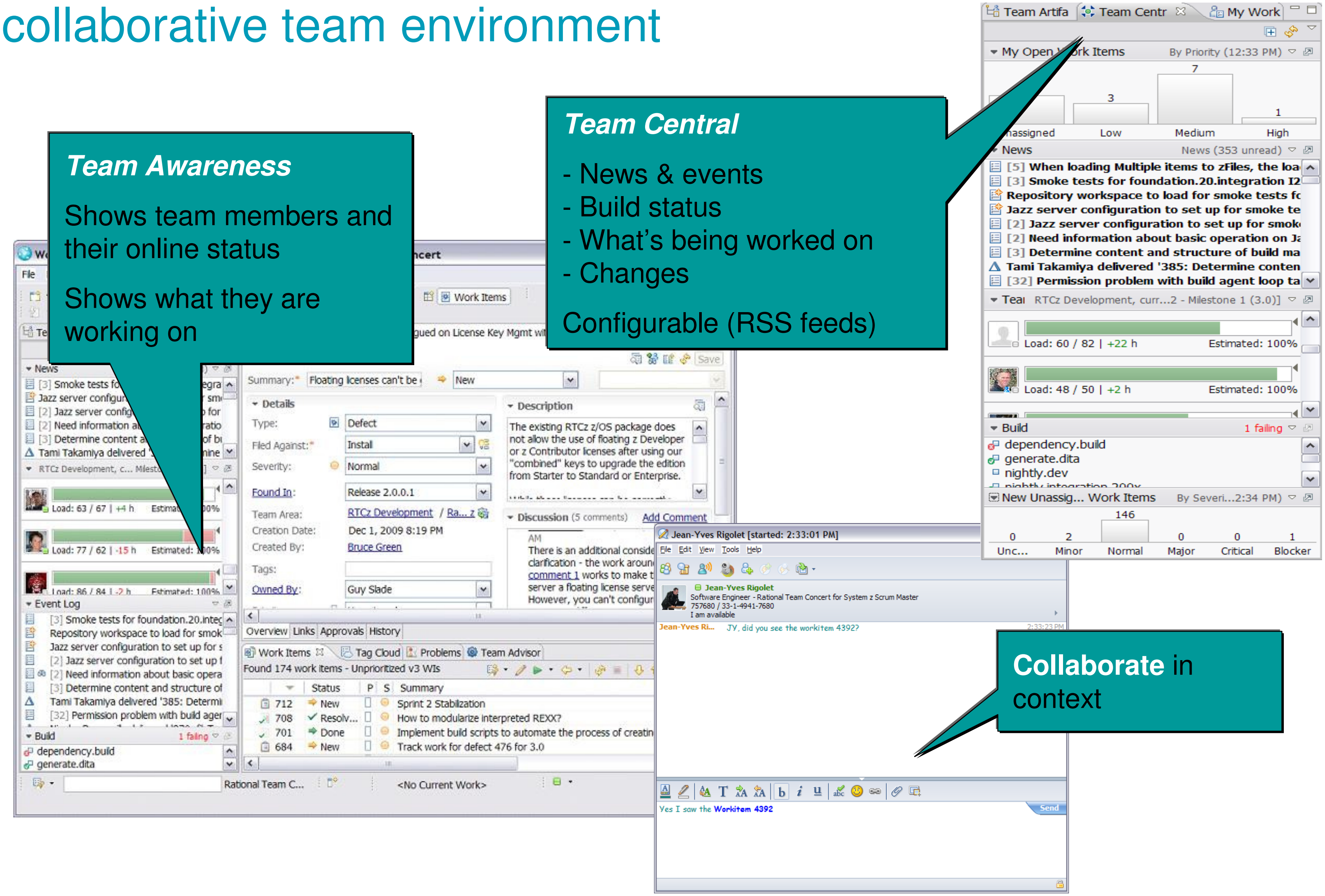
Automate non-creative tasks with automated processes and workflows

Report

Deliver real-time insight into programs, projects and resource utilization.

Improve knowledge and practice maturity with an environment that develops individual and team talent.

A collaborative team environment



Team Awareness

Shows team members and their online status

Shows what they are working on

Team Central

- News & events
- Build status
- What's being worked on
- Changes

Configurable (RSS feeds)

Collaborate in context

[5] When loading Multiple items to zFiles, the loa
[3] Smoke tests for foundation.20.integration I2
Repository workspace to load for smoke tests fo
Jazz server configuration to set up for smoke te
[2] Jazz server configuration to set up for smok
[2] Need information about basic operation on Ja
[3] Determine content and structure of build ma
Tami Takamiya delivered '385: Determine conten
[32] Permission problem with build agent loop ta

Team RTCz Development, curr...2 - Milestone 1 (3.0)]

Load: 60 / 82 | +22 h Estimated: 100%

Load: 48 / 50 | +2 h Estimated: 100%

dependency.build
generate.dita
nightly.dev

Load: 63 / 67 | +4 h

Load: 77 / 62 | -15 h Estimated: 100%

Load: 86 / 84 | -2 h Estimated: 100%

Summary: Floating licenses can't be
New

Type: Defect
Filed Against: Install
Severity: Normal
Found In: Release 2.0.0.1
Team Area: RTCz Development / Ra... z
Creation Date: Dec 1, 2009 8:19 PM
Created By: Bruce Green
Tags:
Owned By: Guy Slade

The existing RTCz z/OS package does not allow the use of floating z Developer or z Contributor licenses after using our "combined" keys to upgrade the edition from Starter to Standard or Enterprise.

There is an additional conside clarification - the work aroun comment 1 works to make t server a floating license serve However, you can't configur

Found 174 work items - Unprioritized v3 WIs

	Status	P	S	Summary
712	New			Sprint 2 Stabilization
708	Resolv...			How to modularize interpreted REXX?
701	Done			Implement build scripts to automate the process of creatin
684	New			Track work for defect 476 for 3.0

Jean-Yves Rigolet [started: 2:33:01 PM]

Jean-Yves Rigolet
Software Engineer - Rational Team Concert for System z Scrum Master
757680 / 33-1-4941-7680
I am available

Jean-Yves Ri... JY, did you see the workitem 4392?

Yes I saw the Workitem 4392

Agenda

Back to the *Jazz* basics

Team Concert for *System z*

One world, one agile team

One tool to rule them all

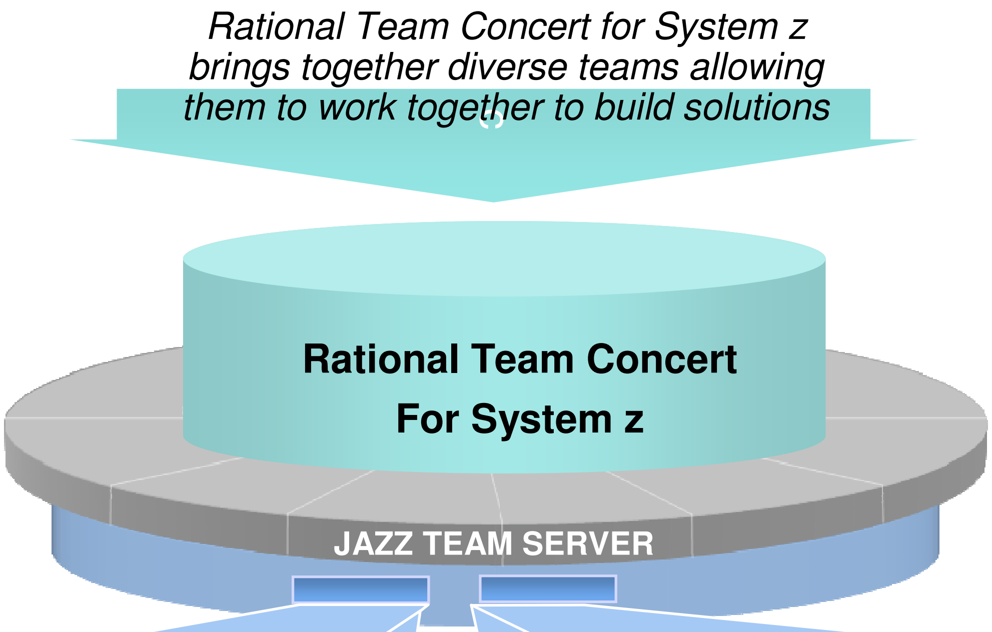
Lessons learned

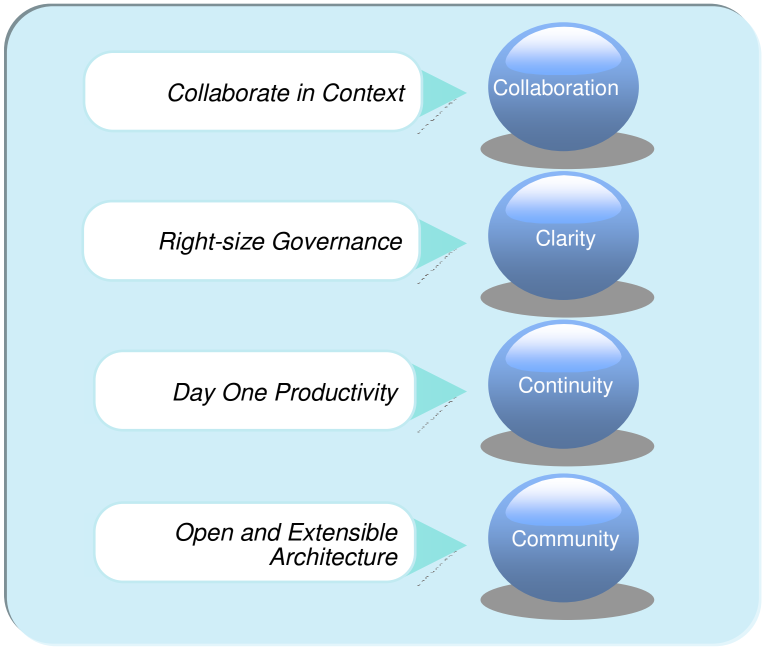
Are we there yet?

Resources

Transforming our Software Delivery

Team Concert *for System z* delivered in 2008 *version 1*


Rational Team Concert for System z brings together diverse teams allowing them to work together to build solutions
Rational Team Concert
For System z
JAZZ TEAM SERVER



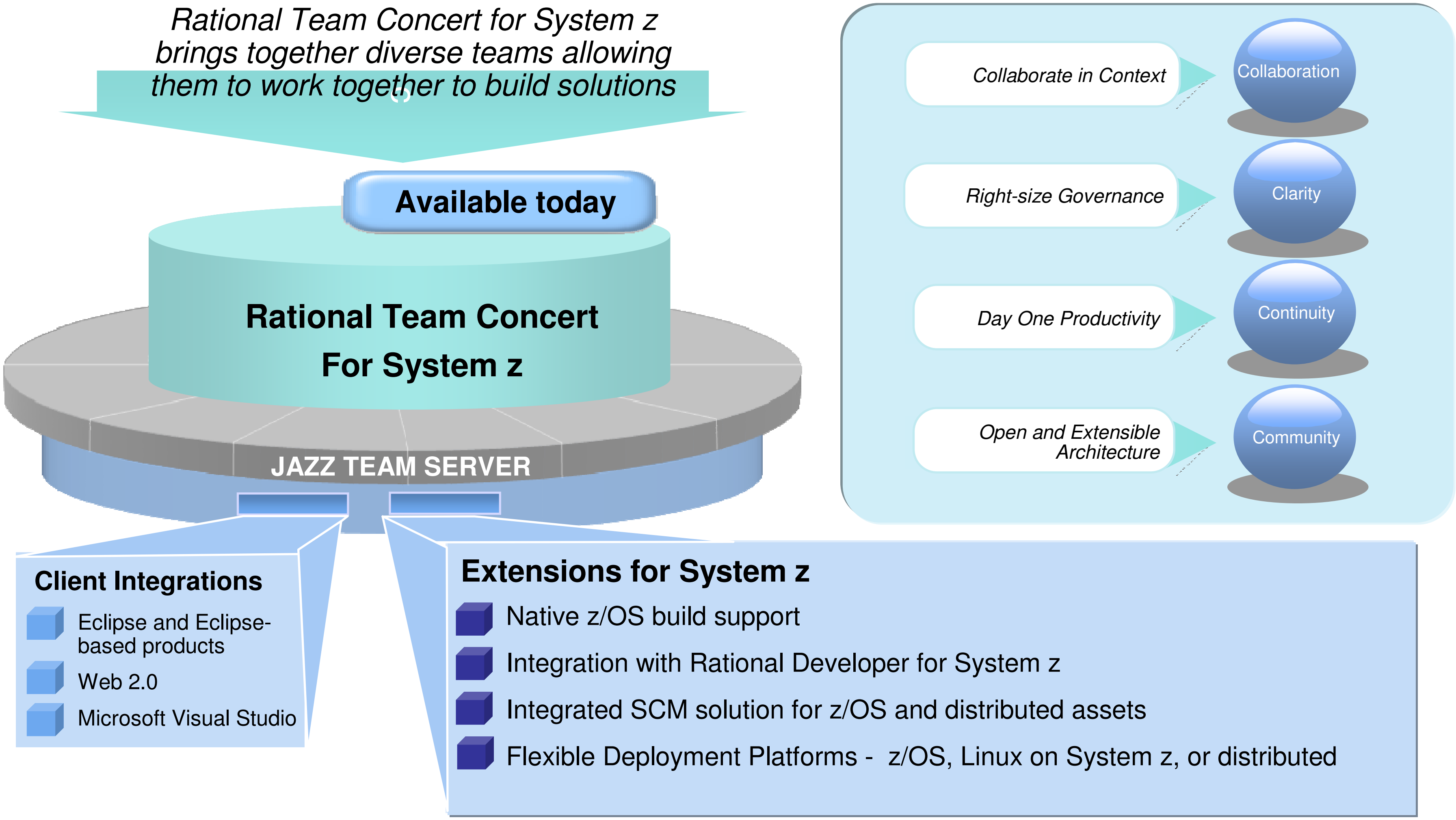
Client Integrations

- Eclipse and Eclipse-based products
- Web 2.0
- MS Visual Studio (beta)

Extensions for System z

- z/OS or Linux on System z deployment supporting server consolidation for distributed deployment
- DB2 for System z and WebSphere for z/OS support
- Team collaboration and governance while continuing existing SCM for host artifacts.

Team Concert *for System z* developed during 2009 *version 2*



Rational Team Concert for System z brings together diverse teams allowing them to work together to build solutions

Available today

Rational Team Concert For System z

JAZZ TEAM SERVER

Client Integrations

- Eclipse and Eclipse-based products
- Web 2.0
- Microsoft Visual Studio

Extensions for System z

- Native z/OS build support
- Integration with Rational Developer for System z
- Integrated SCM solution for z/OS and distributed assets
- Flexible Deployment Platforms - z/OS, Linux on System z, or distributed

Collaborate in Context → Collaboration

Right-size Governance → Clarity

Day One Productivity → Continuity

Open and Extensible Architecture → Community

Agenda

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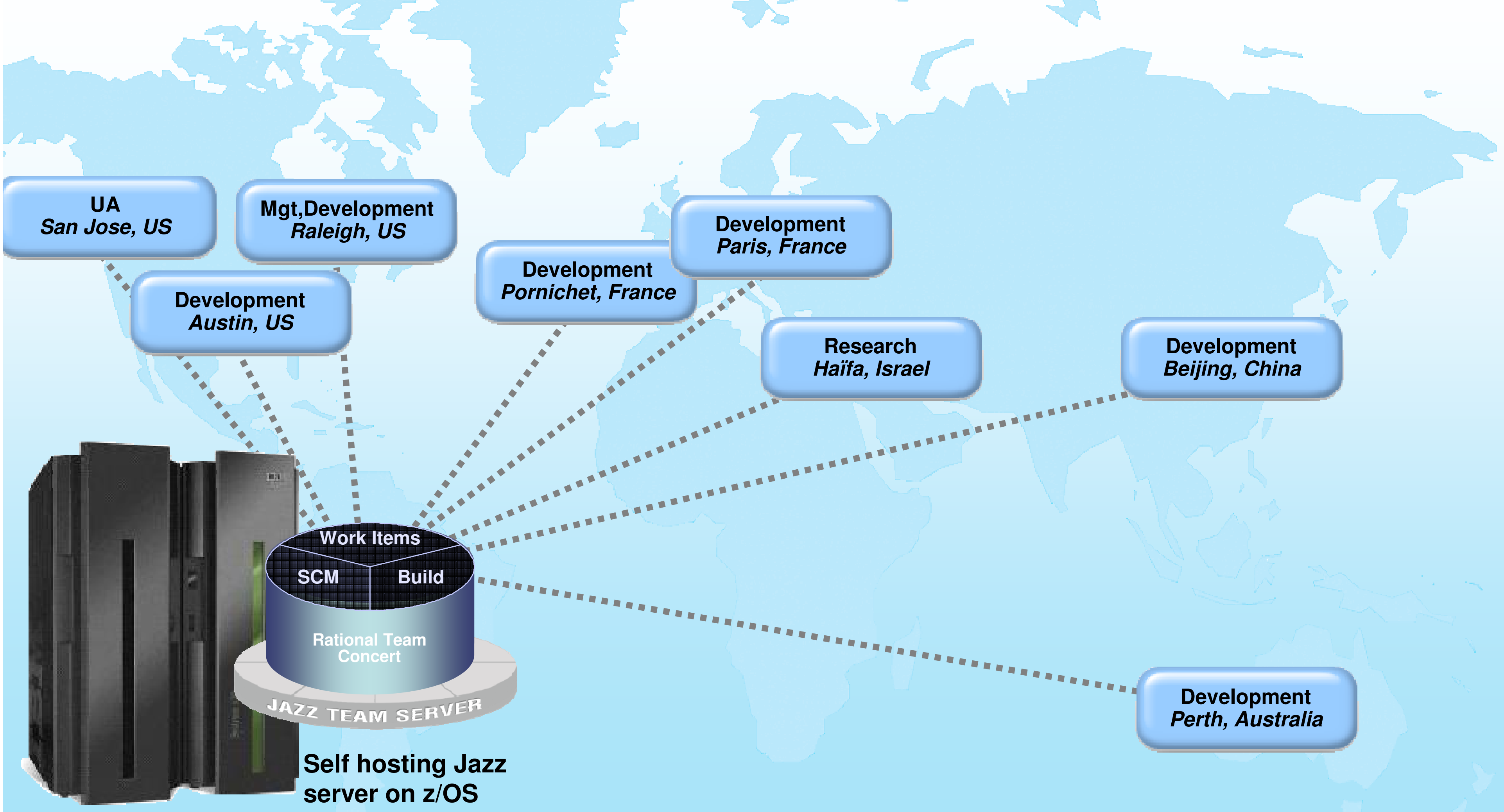
Lessons learned

Next steps

Resources

Transforming our Software Delivery

The sun never set on RTCz development



UA
San Jose, US

Mgt,Development
Raleigh, US

Development
Austin, US

Development
Pornichet, France

Development
Paris, France

Research
Haïfa, Israel

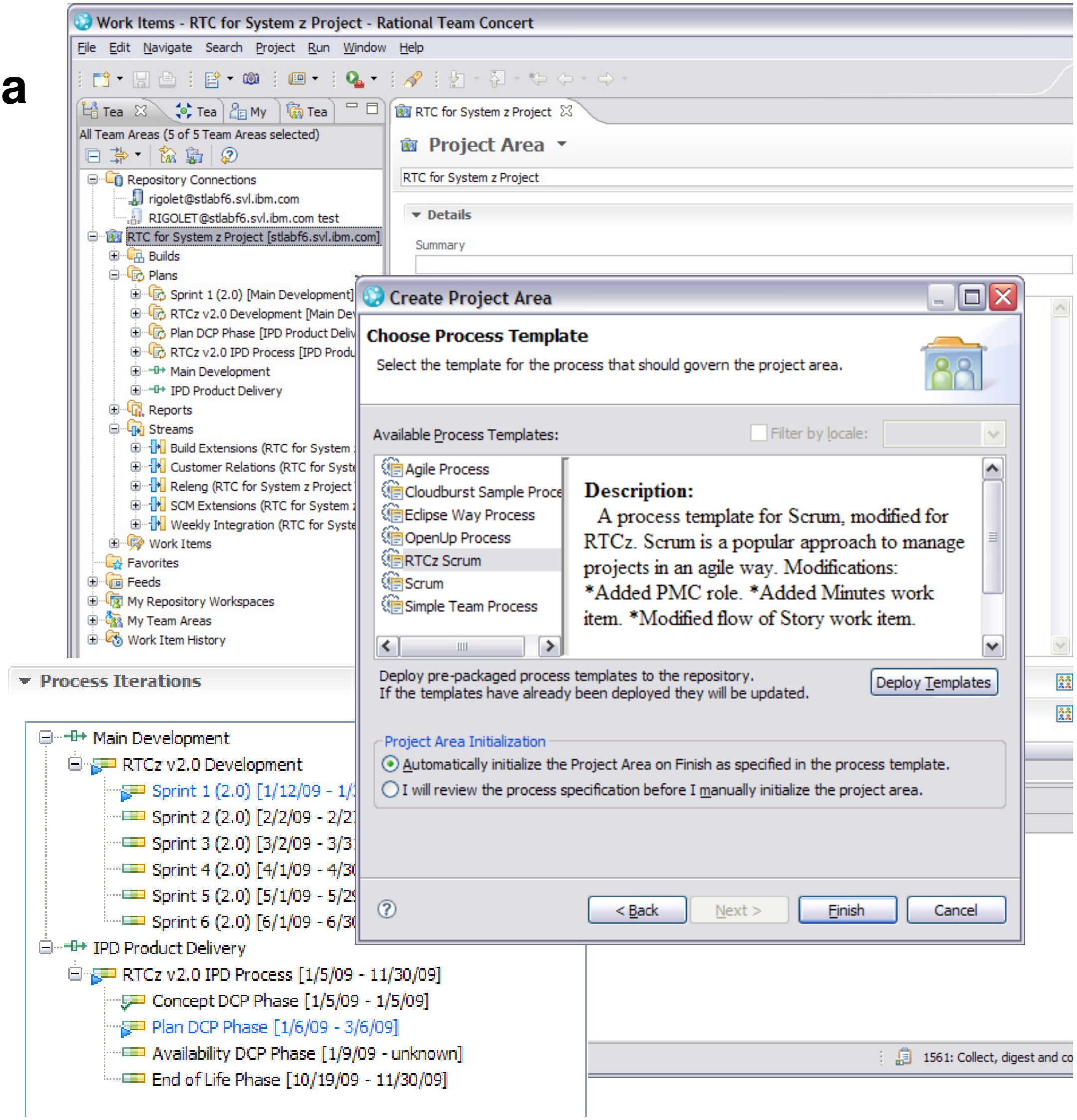
Development
Beijing, China

Development
Perth, Australia

Self hosting Jazz server on z/OS

Tooling RTCz development using Team Concert

- **RTCz development project area**
  - Self hosting on *System z*
    - *Access from Jazz.net*
  - 'RTCz for System z Project'
  - Based on the Scrum template
- **Geographically Distributed Development**
  - 3 main Scrum teams
    - RTP (Raleigh, US)
    - FASL (France & Australia)
    - BF (Austin, US)
- **2 parallel development lines**
  - *No maintance*
  - Main development
    - Release v2.0
    - Post v2 development
  - Product Delivery


Work Items - RTC for System z Project - Rational Team Concert
File Edit Navigate Search Project Run Window Help
Tea My Tea
All Team Areas (5 of 5 Team Areas selected)
Repository Connections
rigolet@stlabf6.svl.ibm.com
RIGOLET@stlabf6.svl.ibm.com test
RTC for System z Project [stlabf6.svl.ibm.com]
Builds
Plans
Sprint 1 (2.0) [Main Development]
RTCz v2.0 Development [Main De
Plan DCP Phase [IPD Product Deli
RTCz v2.0 IPD Process [IPD Produ
Main Development
IPD Product Delivery
Reports
Streams
Build Extensions (RTC for System
Customer Relations (RTC for Syst
Releng (RTC for System z Project
SCM Extensions (RTC for System
Weekly Integration (RTC for Syste
Work Items
Favorites
Feeds
My Repository Workspaces
My Team Areas
Work Item History
RTC for System z Project
Project Area
RTC for System z Project
Details
Summary
Process Iterations
Main Development
RTCz v2.0 Development
Sprint 1 (2.0) [1/12/09 - 1/
Sprint 2 (2.0) [2/2/09 - 2/2
Sprint 3 (2.0) [3/2/09 - 3/3
Sprint 4 (2.0) [4/1/09 - 4/3
Sprint 5 (2.0) [5/1/09 - 5/2
Sprint 6 (2.0) [6/1/09 - 6/3
IPD Product Delivery
RTCz v2.0 IPD Process [1/5/09 - 11/30/09]
Concept DCP Phase [1/5/09 - 1/5/09]
Plan DCP Phase [1/6/09 - 3/6/09]
Availability DCP Phase [1/9/09 - unknown]
End of Life Phase [10/19/09 - 11/30/09]
1561: Collect, digest and co
Create Project Area
Choose Process Template
Available Process Templates:
Filter by locale:
Agile Process
Cloudburst Sample Proce
Eclipse Way Process
OpenUp Process
RTCz Scrum
Scrum
Simple Team Process
Deploy Templates
Project Area Initialization
&lt; Back
Next &gt;
Finish
Cancel

Select the template for the process that should govern the project area.

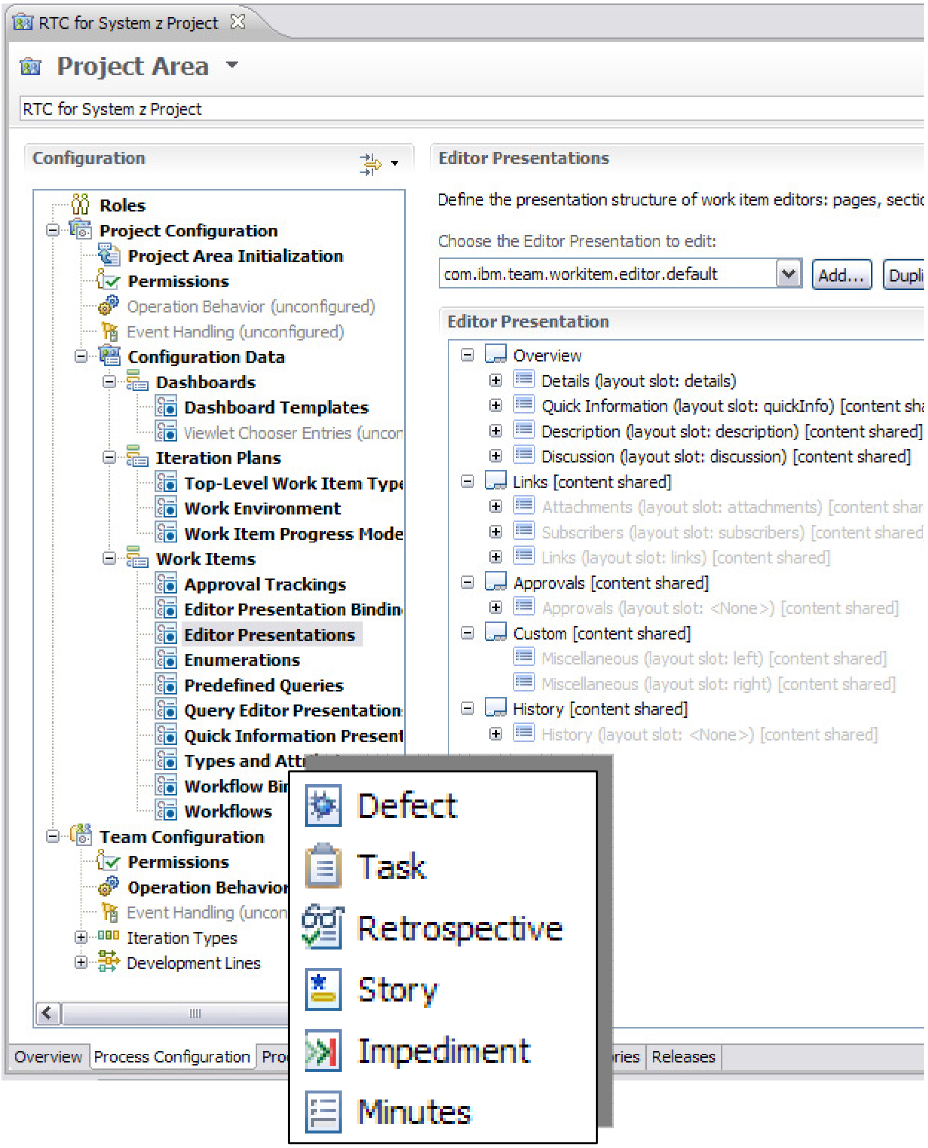
Description:
A process template for Scrum, modified for RTCz. Scrum is a popular approach to manage projects in an agile way. Modifications: *Added PMC role. *Added Minutes work item. *Modified flow of Story work item.

Deploy pre-packaged process templates to the repository.
If the templates have already been deployed they will be updated.

● Automatically initialize the Project Area on Finish as specified in the process template.
○ I will review the process specification before I manually initialize the project area.

RTCz Scrum process

- **RTCz development process**
  - Based on the standard Scrum process template
- **Minor process adaptations**
  - New role
    - PMC: *Project Management Council* (based on Stakeholder role)
  - New Minutes work item
    - Track meeting minutes
  - Updated permissions
    - PMC can update Iteration Plans
    - Limited operations for externals
  - New automatic tasks when joining a team
    - [Joining a Team] Update your calendar with your Scheduled Absences
    - [Joining a Team] Update your Work Environment



RTC for System z Project

Project Area

RTC for System z Project

Configuration

- Roles
- Project Configuration
  - Project Area Initialization
  - Permissions
  - Operation Behavior (unconfigured)
  - Event Handling (unconfigured)
  - Configuration Data
    - Dashboards
      - Dashboard Templates
      - Viewlet Chooser Entries (uncor
    - Iteration Plans
      - Top-Level Work Item Type
      - Work Environment
      - Work Item Progress Mode
    - Work Items
      - Approval Trackings
      - Editor Presentation Bindin
      - Editor Presentations
      - Enumerations
      - Predefined Queries
      - Query Editor Presentation
      - Quick Information Present
      - Types and Att
      - Workflow Bi
      - Workflows
- Team Configuration
  - Permissions
  - Operation Behavior
  - Event Handling (uncon
  - Iteration Types
  - Development Lines

Editor Presentations

Define the presentation structure of work item editors: pages, sectio

Choose the Editor Presentation to edit:

com.ibm.team.workitem.editor.default

Editor Presentation

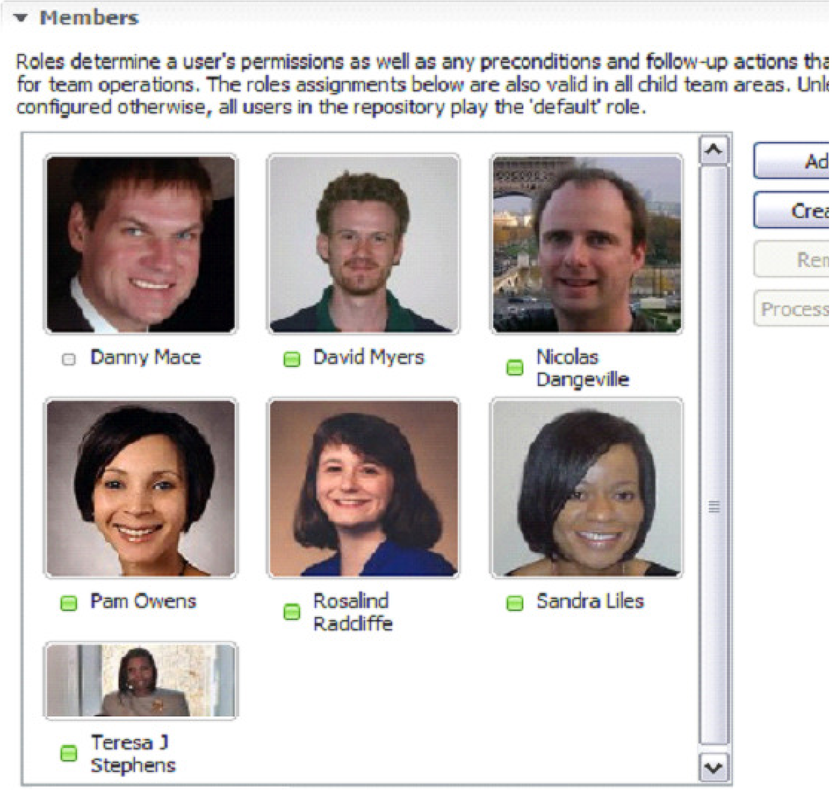
- Overview
  - Details (layout slot: details)
  - Quick Information (layout slot: quickInfo) [content sha
  - Description (layout slot: description) [content shared]
  - Discussion (layout slot: discussion) [content shared]
- Links [content shared]
  - Attachments (layout slot: attachments) [content shar
  - Subscribers (layout slot: subscribers) [content shared
  - Links (layout slot: links) [content shared]
- Approvals [content shared]
  - Approvals (layout slot: <None>) [content shared]
- Custom [content shared]
  - Miscellaneous (layout slot: left) [content shared]
  - Miscellaneous (layout slot: right) [content shared]
- History [content shared]
  - History (layout slot: <None>) [content shared]

RTCz stakeholder roles, aka ‘***Chickens***’

- *‘Chickens’ are not part of the actual Scrum process, but they must be engaged and provide feedback.*

- **Project Management Council (PMC)**
  - Stakeholders: Danny, David
  - PMC: Pamela, Teresa, Sandra, Guy, Alex, Robin, Jean-Yves
  - Architects: Rosalind, Nicolas
- **Product Delivery**
  - Stakeholders: Danny, David
  - PMC: Pamela, Rosalind, Teresa, Sandra, Nicolas

- ***Light adaptation from standard Scrum***
  - Product Owner, Scrum Masters & Architects are also ‘Chickens’ as part of the PMC



▾ Members

Roles determine a user's permissions as well as any preconditions and follow-up actions tha
for team operations. The roles assignments below are also valid in all child team areas. Unl
configured otherwise, all users in the repository play the 'default' role.

RTCz development roles, aka '*Pigs*'

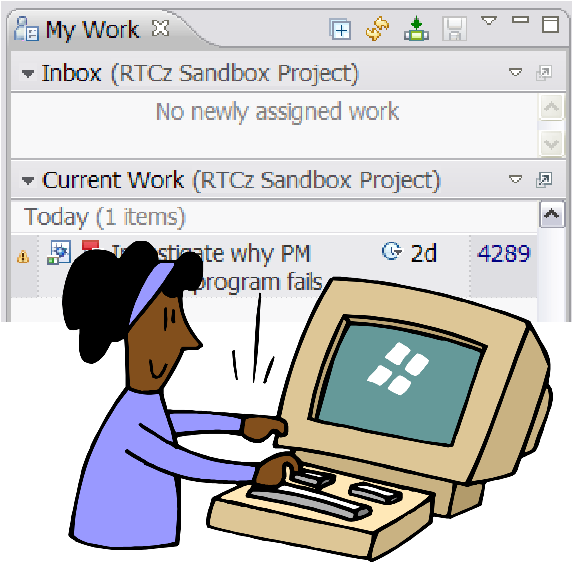
- *'Pigs' are the ones commited to the project and the Scrum process.*

Scrum team in action

- **RTCz overall project**
  - Project Owner: Guy
- **3 main development Scrum teams**
  - RTP, Raleigh
    - ScrumMaster: Robin
    - Team Members: Alex, Andrew, Bruce, Daniel, Hung, John, Matt, Steve, Tami
  - FASL, France & Australia
    - ScrumMaster: Jean-Yves
    - Team Members: Valérie, Liam, Nicolas, Jean-Bernard, Pierre, Pascal, Xavier
  - BF, Austin
    - ScrumMaster: Robin
    - Team Members: Charles, Franck, Leigh, Joseph, Su Juan, Tim, Wei
- **User Assistance - Documentation**
  - Team Members: Stephanie, Jocelyn, Patrick
- **Bidi, SUPA research**
  - Team Members: Adir, Gregory, Heba, Mohamed, Ramy, Semion, Mordechai, Uri

A day in the life... of a Scrum team member

- **Always starts with a daily scrum**
- **Think!... Document ... Write JUnit testcases... Code... Test**
  1. Check *My Work*
  2. API First; *improve the collaboration with your clients*
  3. Test Driven Development (TDD); *solidify your code*
  4. Update work items; *let other members know what you've done*
- **Deliver code to the Team Stream**
  - Test team integration; *now your component is not alone*
- **Deliver code to the Integration Stream**
  - Daily & Weekly builds
  - Test project integration; *we now have a product*
  - Control JUnit testcases execution; *check the overall quality*
- **Recurrent activities**
  - Actively participate in design meetings; *across Scrum teams*
  - Regular JUnit jam sessions; *leverage the know-how within the teams*
  - Scrum of Scrums meetings when appropriate; *keep the rhythm*



My Work

Inbox (RTCz Sandbox Project)

No newly assigned work

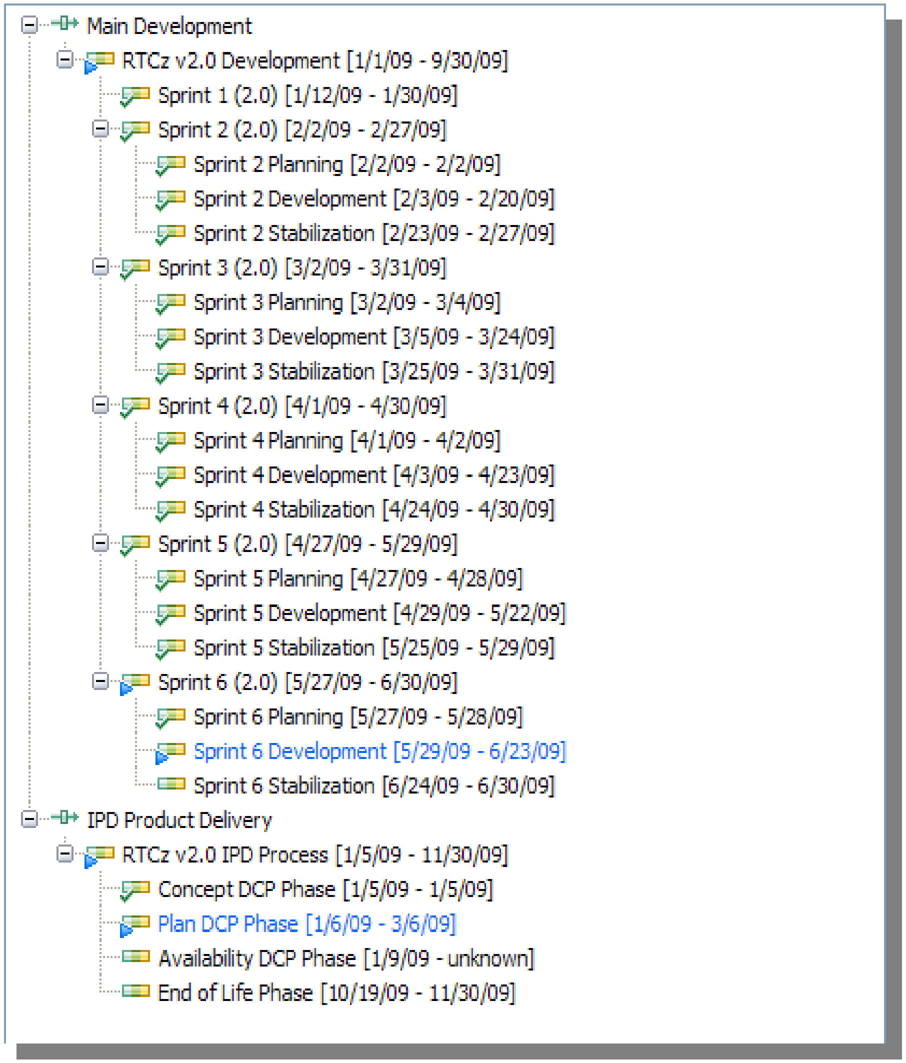
Current Work (RTCz Sandbox Project)

Today (1 items)

I stigate why PM program fails	2d	4289

RTCz development rhythm

- **Project timeline**
  - Started Jan 2009
  - All packages were available on Oct 8, 2009
- **Monthly Sprints**
- **9 iterations**
  - Initial iteration (training, envt set up,...)
  - 5 development iterations
    - Included FVTs
  - End-game & Cleanup
    - Includes SVTs, TVTs, GVTs
- **3 phases in all development iterations**
  - Planning (2-3 days)
  - Development
  - Stabilization (3-4 days)

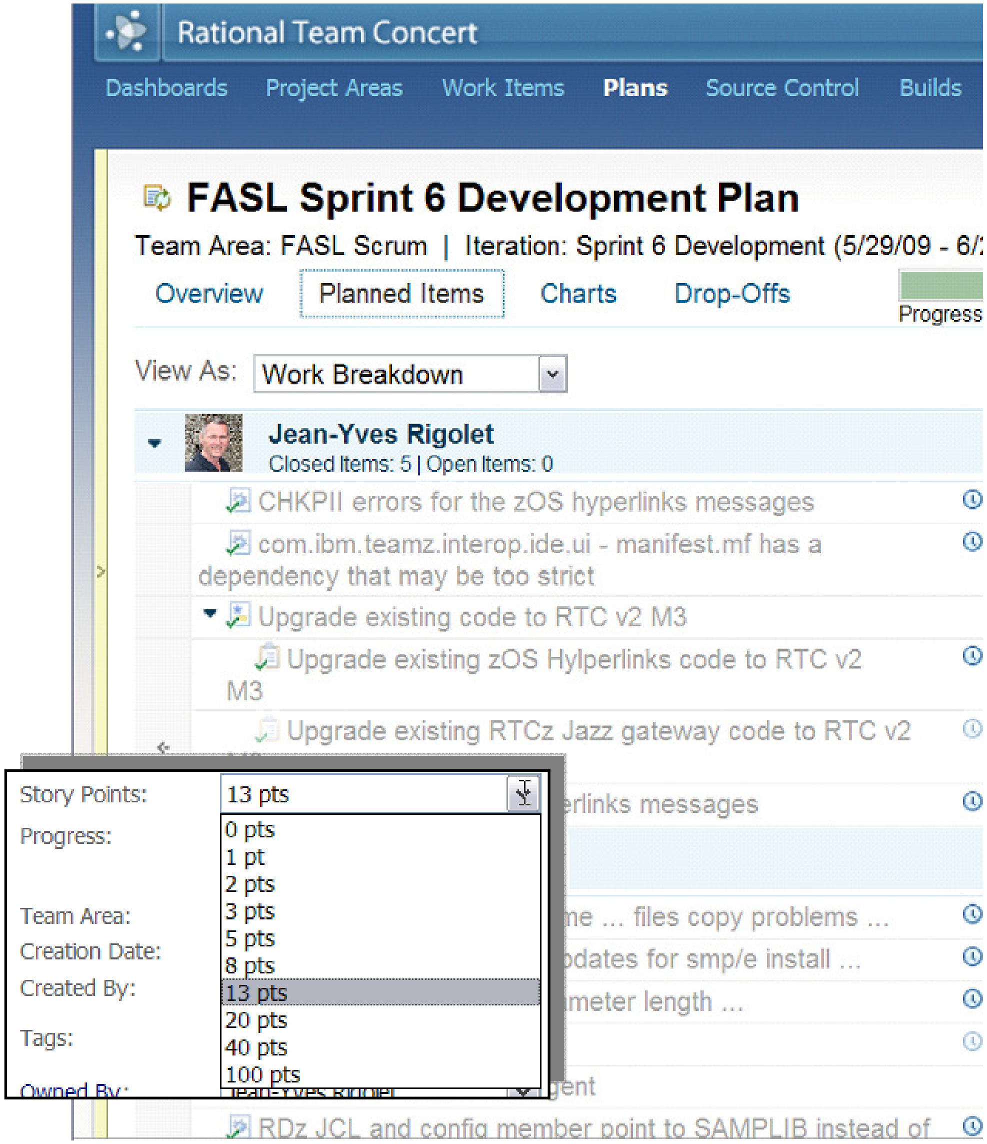


- Main Development
  - RTCz v2.0 Development [1/1/09 - 9/30/09]
    - Sprint 1 (2.0) [1/12/09 - 1/30/09]
    - Sprint 2 (2.0) [2/2/09 - 2/27/09]
      - Sprint 2 Planning [2/2/09 - 2/2/09]
      - Sprint 2 Development [2/3/09 - 2/20/09]
      - Sprint 2 Stabilization [2/23/09 - 2/27/09]
    - Sprint 3 (2.0) [3/2/09 - 3/31/09]
      - Sprint 3 Planning [3/2/09 - 3/4/09]
      - Sprint 3 Development [3/5/09 - 3/24/09]
      - Sprint 3 Stabilization [3/25/09 - 3/31/09]
    - Sprint 4 (2.0) [4/1/09 - 4/30/09]
      - Sprint 4 Planning [4/1/09 - 4/2/09]
      - Sprint 4 Development [4/3/09 - 4/23/09]
      - Sprint 4 Stabilization [4/24/09 - 4/30/09]
    - Sprint 5 (2.0) [4/27/09 - 5/29/09]
      - Sprint 5 Planning [4/27/09 - 4/28/09]
      - Sprint 5 Development [4/29/09 - 5/22/09]
      - Sprint 5 Stabilization [5/25/09 - 5/29/09]
    - Sprint 6 (2.0) [5/27/09 - 6/30/09]
      - Sprint 6 Planning [5/27/09 - 5/28/09]
      - Sprint 6 Development [5/29/09 - 6/23/09]
      - Sprint 6 Stabilization [6/24/09 - 6/30/09]
- IPD Product Delivery
  - RTCz v2.0 IPD Process [1/5/09 - 11/30/09]
    - Concept DCP Phase [1/5/09 - 1/5/09]
    - Plan DCP Phase [1/6/09 - 3/6/09]
    - Availability DCP Phase [1/9/09 - unknown]
    - End of Life Phase [10/19/09 - 11/30/09]

Sprint planning detailed

- **First days of each Sprint**
  - Get Sprint directions from Product Owner
  - Analyze Stories with the Architects
- **All Scrum team members are involved**
- **Check time budget**
  - Verify absences in RTCz

- **From *Product Backlog*...**
  - Query Work items
  - Team members try to fully understand *Stories* with the help of the Architects
  - Give estimates using the Planning Poker technique
- **...To *Iteration Plan***
  - Fill Sprint backlog with selected Stories based on *team velocity* and priorities



FASL Sprint 6 Development Plan

Team Area: FASL Scrum | Iteration: Sprint 6 Development (5/29/09 - 6/

View As: Work Breakdown

Jean-Yves Rigolet
Closed Items: 5 | Open Items: 0

CHKPII errors for the zOS hyperlinks messages
com.ibm.teamz.interop.ide.ui - manifest.mf has a dependency that may be too strict
Upgrade existing code to RTC v2 M3
Upgrade existing zOS Hylperlinks code to RTC v2 M3
Upgrade existing RTCz Jazz gateway code to RTC v2
erlinks messages
me … files copy problems …
pdates for smp/e install …
meter length …
gent
RDz JCL and config member point to SAMPLIB instead of

Story Points: 13 pts
Progress:
Team Area:
Creation Date:
Created By:
Tags:
Owned By: Jean-Yves Rigolet

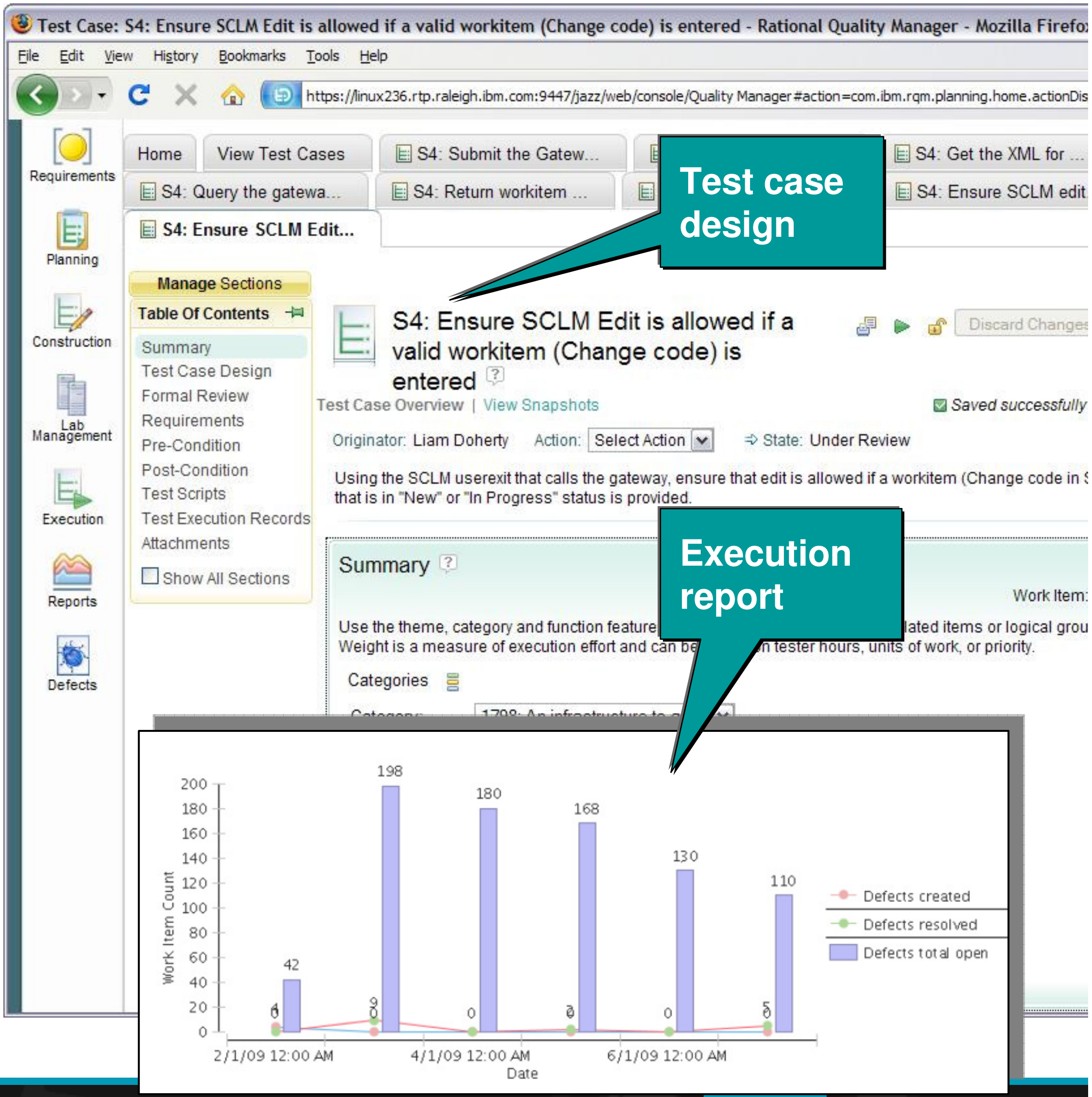
Agenda

- Back to the *Jazz* basics
- Team Concert for *System z*
- One world, one agile team
- **One tool to rule them all**
- Lessons learned
- Are we there yet?
- Resources

Transforming our Software Delivery

Tests coordinated using Rational Quality Manager (RQM)

- **All defined in RQM**
  - FVT, SVT & Performance Test Plans
- **Defined by developers**
  - During the *Stabilization* phase
- **Executed by all members**
  - Developers, release engineer, ..., and managers included
  - Test execution records
- **Creating & linking Defects on failure**
- **Formal reviews**
  - Test cases approvals by Product Owner & ScrumMasters
- **Metrics & charts on quality presented at Sprint stakeholders meetings**



Test Case: S4: Ensure SCLM Edit is allowed if a valid workitem (Change code) is entered - Rational Quality Manager - Mozilla Firefox

https://linux236.rtp.raleigh.ibm.com:9447/jazz/web/console/Quality Manager#action=com.ibm.rqm.planning.home.actionDis

S4: Ensure SCLM Edit is allowed if a valid workitem (Change code) is entered

Test Case Overview | View Snapshots

☑ Saved successfully

Originator: Liam Doherty Action: Select Action State: Under Review

Using the SCLM userexit that calls the gateway, ensure that edit is allowed if a workitem (Change code in S that is in "New" or "In Progress" status is provided.

Summary

Work Item:

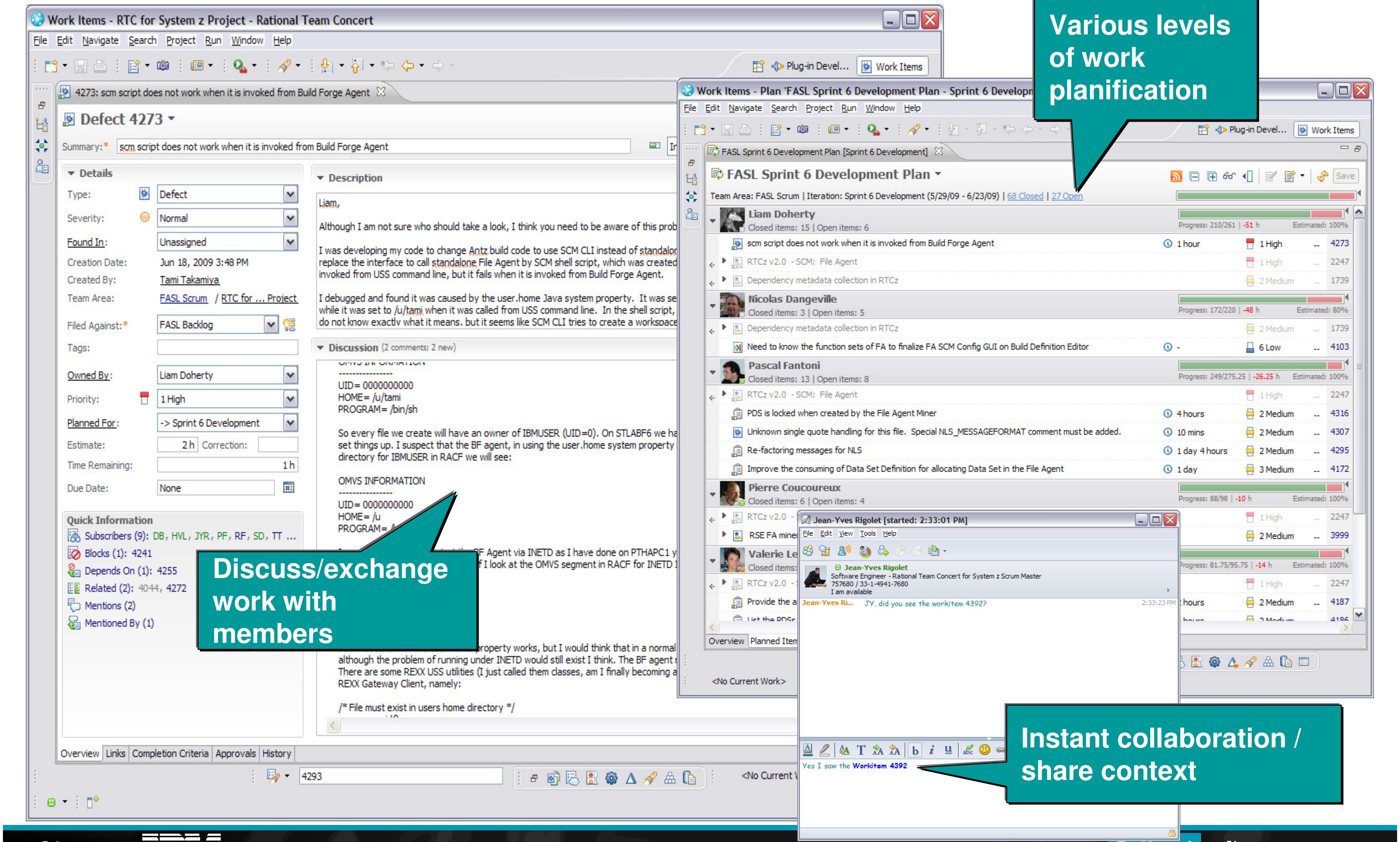
Use the theme, category and function feature ... lated items or logical grou Weight is a measure of execution effort and can be ... n tester hours, units of work, or priority.

Categories

Test case design

Execution report

Collaborate using Work items and Plans



Work Items - RTC for System z Project - Rational Team Concert

4273: scm script does not work when it is invoked from Build Forge Agent

Defect 4273

Summary:* scm script does not work when it is invoked from Build Forge Agent

Details

Type:	Defect
Severity:	Normal
Found In:	Unassigned
Creation Date:	Jun 18, 2009 3:48 PM
Created By:	Tami Takamiya
Team Area:	FASL Scrum / RTC for ... Project
Filed Against:*	FASL Backlog
Tags:	
Owned By:	Liam Doherty
Priority:	1 High
Planned For:	-> Sprint 6 Development
Estimate:	2 h Correction:
Time Remaining:	1 h
Due Date:	None

Quick Information

Subscribers (9): DB, HVL, JYR, PF, RF, SD, TT ...
Blocks (1): 4241
Depends On (1): 4255
Related (2): 4044, 4272
Mentions (2)
Mentioned By (1)

Description

Liam,

Although I am not sure who should take a look, I think you need to be aware of this prob

I was developing my code to change Antz build code to use SCM CLI instead of standalor
replace the interface to call standalone File Agent by SCM shell script, which was created
invoked from USS command line, but it fails when it is invoked from Build Forge Agent.

I debugged and found it was caused by the user.home Java system property. It was se
while it was set to /u/tami when it was called from USS command line. In the shell script,
do not know exactlv what it means. but it seems like SCM CLI tries to create a workspace

Discussion (2 comments; 2 new)

```
OMVS INFORMATION
----------------
UID= 0000000000
HOME= /u/tami
PROGRAM= /bin/sh
```

So every file we create will have an owner of IBMUSER (UID=0). On STLABF6 we ha
set things up. I suspect that the BF agent, in using the user.home system property
directory for IBMUSER in RACF we will see:

```
OMVS INFORMATION
----------------
UID= 0000000000
HOME= /u
PROGRAM= /
```

F Agent via INETD as I have done on PTHAPC1 y
f I look at the OMVS segment in RACF for INETD I

roperty works, but I would think that in a normal
although the problem of running under INETD would still exist I think. The BF agent r
There are some REXX USS utilities (I just called them classes, am I finally becoming a
REXX Gateway Client, namely:

/* File must exist in users home directory */

Overview | Links | Completion Criteria | Approvals | History

4293

<No Current Work>

Work Items - Plan 'FASL Sprint 6 Development Plan - Sprint 6 Develop

FASL Sprint 6 Development Plan [Sprint 6 Development]

FASL Sprint 6 Development Plan

Team Area: FASL Scrum | Iteration: Sprint 6 Development (5/29/09 - 6/23/09) | 68 Closed | 27 Open

Liam Doherty Closed items: 15 | Open items: 6 — Progress: 210/261 | -51 h Estimated: 100%

scm script does not work when it is invoked from Build Forge Agent	1 hour	1 High	--	4273
RTCz v2.0 - SCM: File Agent		1 High	--	2247
Dependency metadata collection in RTCz		2 Medium	--	1739

Nicolas Dangeville Closed items: 3 | Open items: 5 — Progress: 172/220 | -48 h Estimated: 80%

Dependency metadata collection in RTCz		2 Medium	--	1739
Need to know the function sets of FA to finalize FA SCM Config GUI on Build Definition Editor	-	6 Low	--	4103

Pascal Fantoni Closed items: 13 | Open items: 8 — Progress: 249/275.25 | -26.25 h Estimated: 100%

RTCz v2.0 - SCM: File Agent		1 High	--	2247
PDS is locked when created by the File Agent Miner	4 hours	2 Medium	--	4316
Unknown single quote handling for this file. Special NLS_MESSAGEFORMAT comment must be added.	10 mins	2 Medium	--	4307
Re-factoring messages for NLS	1 day 4 hours	2 Medium	--	4295
Improve the consuming of Data Set Definition for allocating Data Set in the File Agent	1 day	3 Medium	--	4172

Pierre Coucoureux Closed items: 6 | Open items: 4 — Progress: 88/98 | -10 h Estimated: 100%

RTCz v2.0 -		1 High	--	2247
RSE FA miner		2 Medium	--	3999

Valerie Le Closed items: — Progress: 81.75/95.75 | -14 h Estimated: 100%

RTCz v2.0 -		1 High	--	2247
Provide the a	hours	2 Medium	--	4187
List the PDSs	hours	2 Medium		4186

Overview | Planned Item

<No Current Work>

Jean-Yves Rigolet [started: 2:33:01 PM]

Jean-Yves Rigolet
Software Engineer - Rational Team Concert for System z Scrum Master
757680 / 33-1-4941-7680
I am available

Jean-Yves Ri... JY, did you see the workitem 4392? 2:33:23 PM

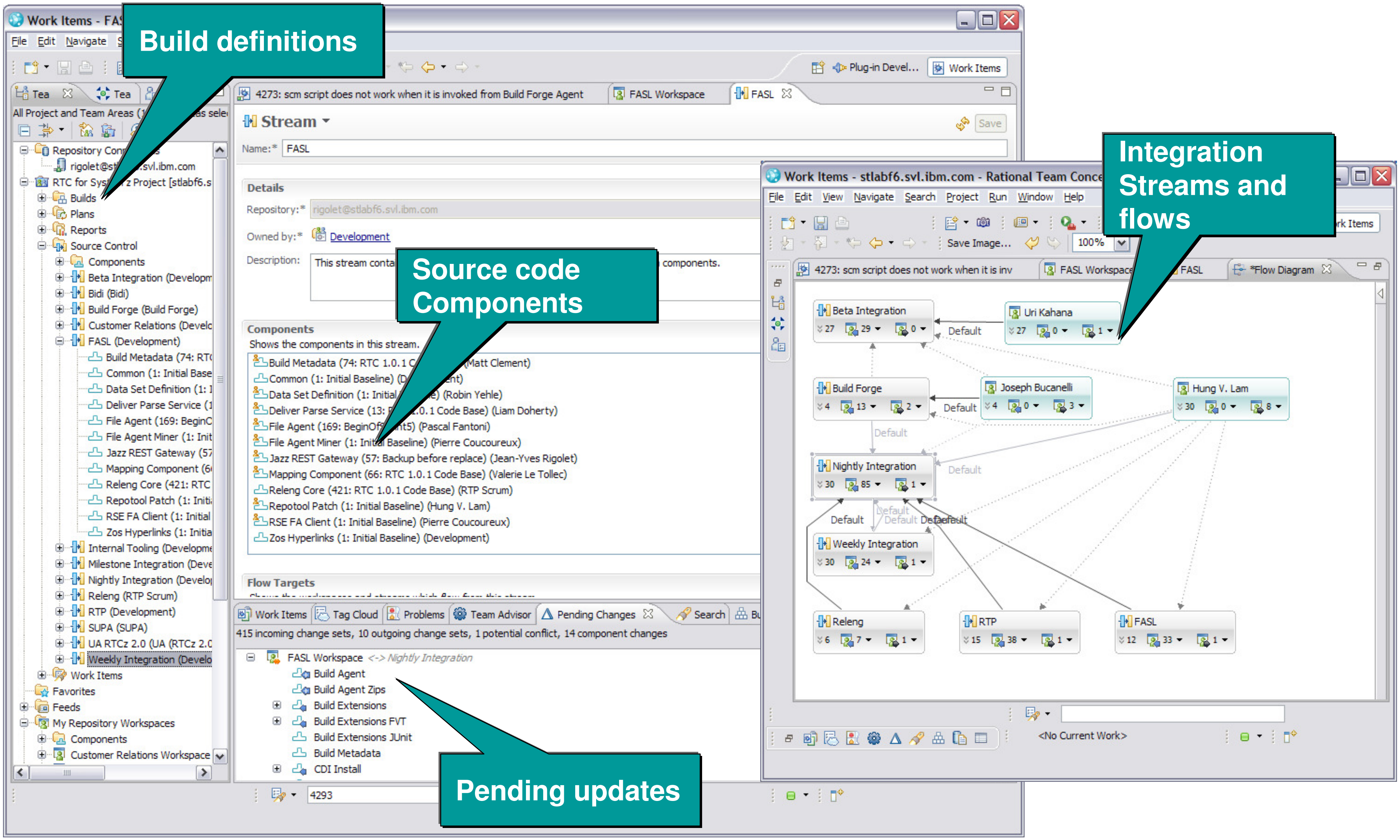
Yes I saw the Workitem 4392

Various levels of work planification

Discuss/exchange work with members

Instant collaboration / share context

Share & build source code using RTCz



Build definitions

Source code Components

Integration Streams and flows

Pending updates

All Project and Team Areas (1 ... as sele

- Repository Con...
  - rigolet@st...svl.ibm.com
- RTC for Sys... z Project [stlabf6.s
  - Builds
  - Plans
  - Reports
  - Source Control
    - Components
    - Beta Integration (Developm
    - Bidi (Bidi)
    - Build Forge (Build Forge)
    - Customer Relations (Develo
    - FASL (Development)
      - Build Metadata (74: RT
      - Common (1: Initial Base
      - Data Set Definition (1: I
      - Deliver Parse Service (1
      - File Agent (169: BeginC
      - File Agent Miner (1: Init
      - Jazz REST Gateway (57
      - Mapping Component (6
      - Releng Core (421: RTC
      - Repotool Patch (1: Initi
      - RSE FA Client (1: Initial
      - Zos Hyperlinks (1: Initia
    - Internal Tooling (Developme
    - Milestone Integration (Deve
    - Nightly Integration (Develo
    - Releng (RTP Scrum)
    - RTP (Development)
    - SUPA (SUPA)
    - UA RTCz 2.0 (UA (RTCz 2.0
    - Weekly Integration (Develo
  - Work Items
- Favorites
- Feeds
- My Repository Workspaces
  - Components
  - Customer Relations Workspace

Stream

Name:* FASL

Details

Repository:* rigolet@stlabf6.svl.ibm.com

Owned by:* Development

Description: This stream conta... components.

Components

Shows the components in this stream.

- Build Metadata (74: RTC 1.0.1 C... (Matt Clement)
- Common (1: Initial Baseline) (D...nt)
- Data Set Definition (1: Initial ...e) (Robin Yehle)
- Deliver Parse Service (13: R...1.0.1 Code Base) (Liam Doherty)
- File Agent (169: BeginOf...nt5) (Pascal Fantoni)
- File Agent Miner (1: Initial Baseline) (Pierre Coucoureux)
- Jazz REST Gateway (57: Backup before replace) (Jean-Yves Rigolet)
- Mapping Component (66: RTC 1.0.1 Code Base) (Valerie Le Tollec)
- Releng Core (421: RTC 1.0.1 Code Base) (RTP Scrum)
- Repotool Patch (1: Initial Baseline) (Hung V. Lam)
- RSE FA Client (1: Initial Baseline) (Pierre Coucoureux)
- Zos Hyperlinks (1: Initial Baseline) (Development)

Flow Targets

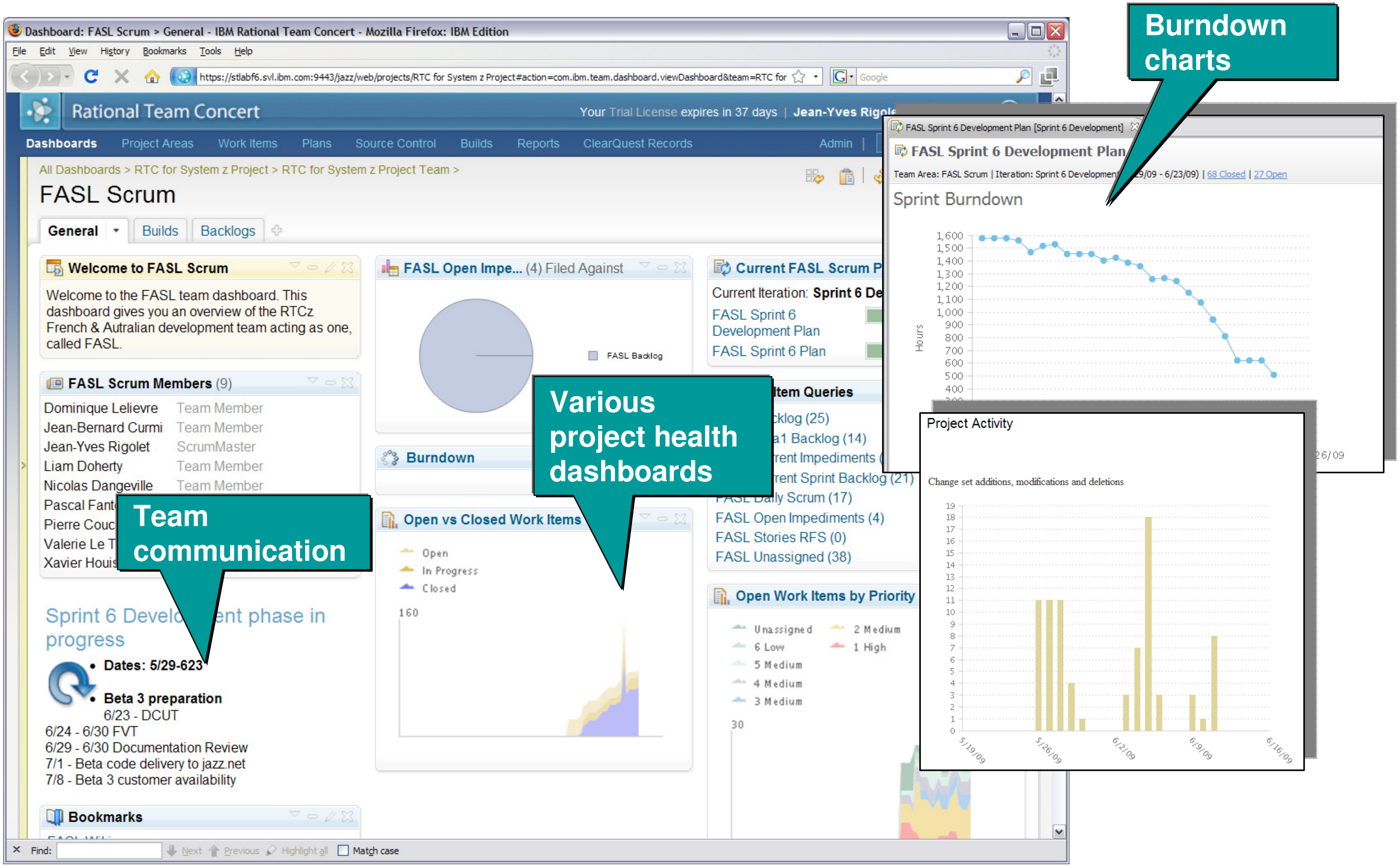
415 incoming change sets, 10 outgoing change sets, 1 potential conflict, 14 component changes

- FASL Workspace <-> *Nightly Integration*
  - Build Agent
  - Build Agent Zips
  - Build Extensions
  - Build Extensions FVT
  - Build Extensions JUnit
  - Build Metadata
  - CDI Install

4293

Work Items - stlabf6.svl.ibm.com - Rational Team Conce

Check the project status and health



Dashboard: FASL Scrum > General - IBM Rational Team Concert - Mozilla Firefox: IBM Edition
File Edit View History Bookmarks Tools Help
https://stlabf6.svl.ibm.com:9443/jazz/web/projects/RTC for System z Project#action=com.ibm.team.dashboard.viewDashboard&team=RTC for
Google
Rational Team Concert
Your Trial License expires in 37 days | Jean-Yves Rigole
Dashboards Project Areas Work Items Plans Source Control Builds Reports ClearQuest Records Admin
All Dashboards > RTC for System z Project > RTC for System z Project Team >

FASL Scrum

Welcome to FASL Scrum

Welcome to the FASL team dashboard. This dashboard gives you an overview of the RTCz French & Autralian development team acting as one, called FASL.

FASL Scrum Members (9)

Dominique Lelievre	Team Member
Jean-Bernard Curmi	Team Member
Jean-Yves Rigolet	ScrumMaster
Liam Doherty	Team Member
Nicolas Dangeville	Team Member
Pascal Fant	
Pierre Couc	
Valerie Le T	
Xavier Houis	

Sprint 6 Devel ent phase in progress

- Dates: 5/29-623
- Beta 3 preparation

6/23 - DCUT
6/24 - 6/30 FVT
6/29 - 6/30 Documentation Review
7/1 - Beta code delivery to jazz.net
7/8 - Beta 3 customer availability

Bookmarks

FASL Open Impe... (4) Filed Against

Burndown

Open vs Closed Work Items

Current FASL Scrum P

Current Iteration: **Sprint 6 De**

FASL Sprint 6 Development Plan
FASL Sprint 6 Plan

Item Queries

cklog (25)
a1 Backlog (14)
rent Impediments (
rent Sprint Backlog (21)
FASL Daily Scrum (17)
FASL Open Impediments (4)
FASL Stories RFS (0)
FASL Unassigned (38)

Open Work Items by Priority

FASL Sprint 6 Development Plan [Sprint 6 Development]

FASL Sprint 6 Development Plan

Team Area: FASL Scrum | Iteration: Sprint 6 Development 29/09 - 6/23/09) | 68 Closed | 27 Open

Sprint Burndown

Project Activity

Change set additions, modifications and deletions

Burndown charts

Various project health dashboards

Team communication

Agenda

Back to the *Jazz* basics

Team Concert for *System z*

One world, one agile team

One tool to rule them all

Lessons learned

Are we there yet?

Resources

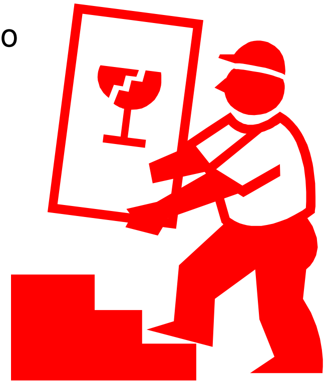
Transforming our Software Delivery

Lessons learned (1/4): Getting ready for completion

- **Need to spend more time initially to better understand goals**
  - Better shape the product backlog
  - Developers need a good understanding of the architecture and goals
  - Need at least a sprint to design before starting development Sprints
- **Short development time (5 Sprints) is a difficult challenge**
- **Self hosting is not frictionless**
  - Many servers (self host, dev, build & test)
  - Keeping up with upgrades from various levels can be painful
- **Scrum teams made good progress**
  - Velocity increased over time
  - Ended to get a good understanding of the overall architecture
  - Good vision of progress, facilitated with RTCz dashboards
- **Language is a barrier to communication**
  - Various levels of English & French
  - A lot of misunderstandings due to the language & cultural differences
  - Communication improved between Scrum teams
- **Keep the rhythm**
  - Plans and dates were strictly followed, content evolved
  - Show/demonstrate regulary what has been accomplished

Lessons learned (2/4): Agile is fragile

- **Overlapping Sprints was a big mistake**
  - Planning Sprint *n+1* during Stabilization of Sprint *n*
  - Planning sessions not based on Stakeholders feedback
  - Planning is using half of developers' brain when the other half is busy fixing bugs
- **Updates to plan during Sprint**
  - Members fully booked resulted in overbooking
  - External pressure due to product integration (RDz, RTC)
  - Unplanned activities (like SMP/E packaging)
- **Poor Scrum support until late in development cycle**
  - Changes made during v2 helped
- **Agile acceptance can vary amongst members**
  - Well accepted by most developers, some simply ignored it
  - Managers tend to go back to what they're used to when they are under pressure
  - Technical resources who are not developers (release engineers, admins,...) have problem to find a space in a development-oriented model
  - Most team members didn't see the Retrospectives as an opportunity to adapt
  - Don't hesitate to use the Product Owner as a shield
- **Keep fit**
  - Loss of rhythm makes it hard to restart

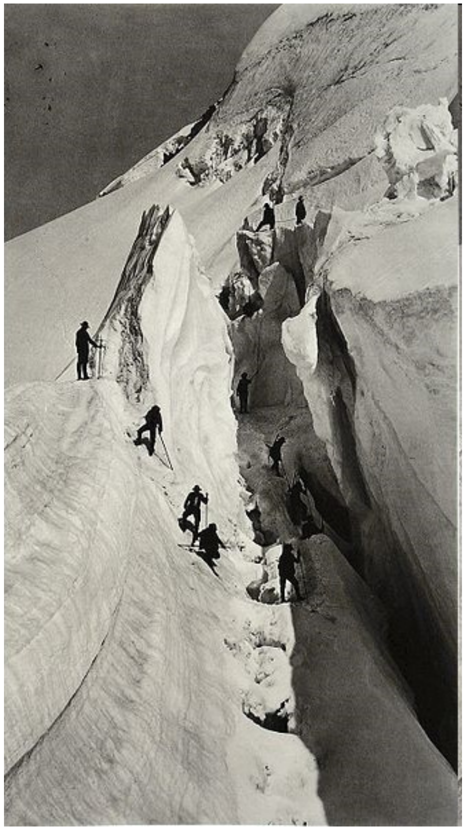


Lessons learned (3/4): Time is valuable

- **No time to step back & think, or simply take a break**
  - Always running due to the Scrum rhythm
  - Want to put a maximum in a release, probably too much...
    - We were too greedy
  - Lost Think Fridays; not prepared for the future
- **Try to identify Scrum smells early**
  - Confidence in agile is fragile; *don't over-estimate it*
  - Difficult to operate later; *leaves scars on members*
  - Agile training is needed for both developers and managers
  - Easy to go back to what we know best when times are hard
- **Reduced paperwork using RTCz & RQM**
  - RTCz & RQM, if used correctly by members can reduce manual/verbal reporting
  - Project health was more accurate with time and members tool knowledge
  - Development knowledge base; *track development & architectural choices (what & why)*
- **Take time to reassess backlog often**
  - Never have time to do everything; *do the right thing & do it right*

Lessons learned (4/4): Development is a team sport

- **RTCz team across multiple geos**
  - 17 time zones; From West Australia to the US West coast
  - Hard to find convenient times to set up meetings
  - Extra long working hours or split days
  - Reduced sleeping time (early mornings or late evenings)
  - It takes more time to do things in GDD than in a single location
- **Components by location**
  - Sharing components across locations make them hard to build
  - Inter-component collaboration creates development frictions
  - RTCz being at the centre of the development helped sharing code and knowledge
- **Teams by location**
  - A team must be formed from at least 2 people at one location
  - People need help from others
  - We never actually met; hard to know each other
  - We gained experience in Globally Distributed Development
- **Team members diffidence**
  - Generations can collide
  - Important messages seem to be shared out of official Scrum ceremonies
  - Only a few critics come out of the Retrospectives



Agenda

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Transforming our Software Delivery

Are we there yet?

- **We've made it; RTCz v2.0.0.1 is out there for you**
  - We published 3 betas to jazz.net & RTCz was available on Oct 8
  - We set a Scrum project & applied most agile principles & Scrum
- **Now, based on our first Scrum experience we can work on RTCz v3**
  - RTCz development joined core RTC and moved to Jazz.net last summer
  - Plans already published to jazz.net; *take a look at them, we need your feedback*
- **More integration and collaboration with external teams expected**
  - Jazz, RTC, RDz, RTCp, RDp, ... with more friction expected too ;-)

The agile adoption problems we're facing today, our customers will have to face

- **We realize this is not as easy as it seems, so we are sharing our experience on *Drinking our own champagne***

Agenda

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Lessons learned

Are we there yet?

Resources

Transforming our Software Delivery

Resources

- Agile/Scrum
  - Agile Manifesto: http://agilemanifesto.org/
  - Wikipedia: http://en.wikipedia.org/wiki/Agile_software_development
  - Wikipedia: http://en.wikipedia.org/wiki/Scrum
  - Glossary of Scrum terms: http://www.scrumalliance.org/articles/39#1127
  - Scrum Alliance: http://www.scrumalliance.org/
  - Scrum Community: https://scrumcommunity.pbwiki.com/

- IBM Rational Team Concert *for System z*
  - Jazz platform: http://jazz.net
  - Product information: http://www-01.ibm.com/software/awdtools/rtcz/
  - Articles & papers:
    - In tune with IBM Jazz and IBM Rational Team Concert entreprise development tools
    - Easier, faster collaborative development by globally distributed teams

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