



IBM Rational Software Conference 2009
As Real as It Gets!



Agility@Scale: Agile Planning and Best Practices with IBM(R) Rational Team Concert(TM)

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Rational. software

Agenda



- **Agile Planning Introduction**
- Agility @ Scale
- A Scrum Planning Episode
- How we use Agile Planning for Developing Rational Team Concert (RTC)

What is Agile?

- An iterative and incremental (evolutionary) approach performed in a highly collaborative manner with **just the right amount of ceremony** to produce high quality software in a cost effective and timely manner which meets the changing needs of its stakeholders.
- **Core principles:**
 - ▶ “Fits just right” process
 - ▶ Continuous testing and validation
 - ▶ Consistent team collaboration
 - ▶ Ongoing customer involvement
 - ▶ Rapid response to change
 - ▶ Frequent delivery of working software



Agile Methods

There are several Agile Methods available, however from a bird's eye view they share a common set of tooling relevant properties:

- Short development cycles (1 – 8 weeks)
- Self organizing development teams
 - ▶ Joint planning meetings
 - ▶ Stand-up meetings
- High personal responsibility of team members
 - ▶ Developers “manage” their work
 - ▶ Developers / Teams estimate
- Progress tracking
- Ongoing customer involvement
- Use of historical data to improve planning

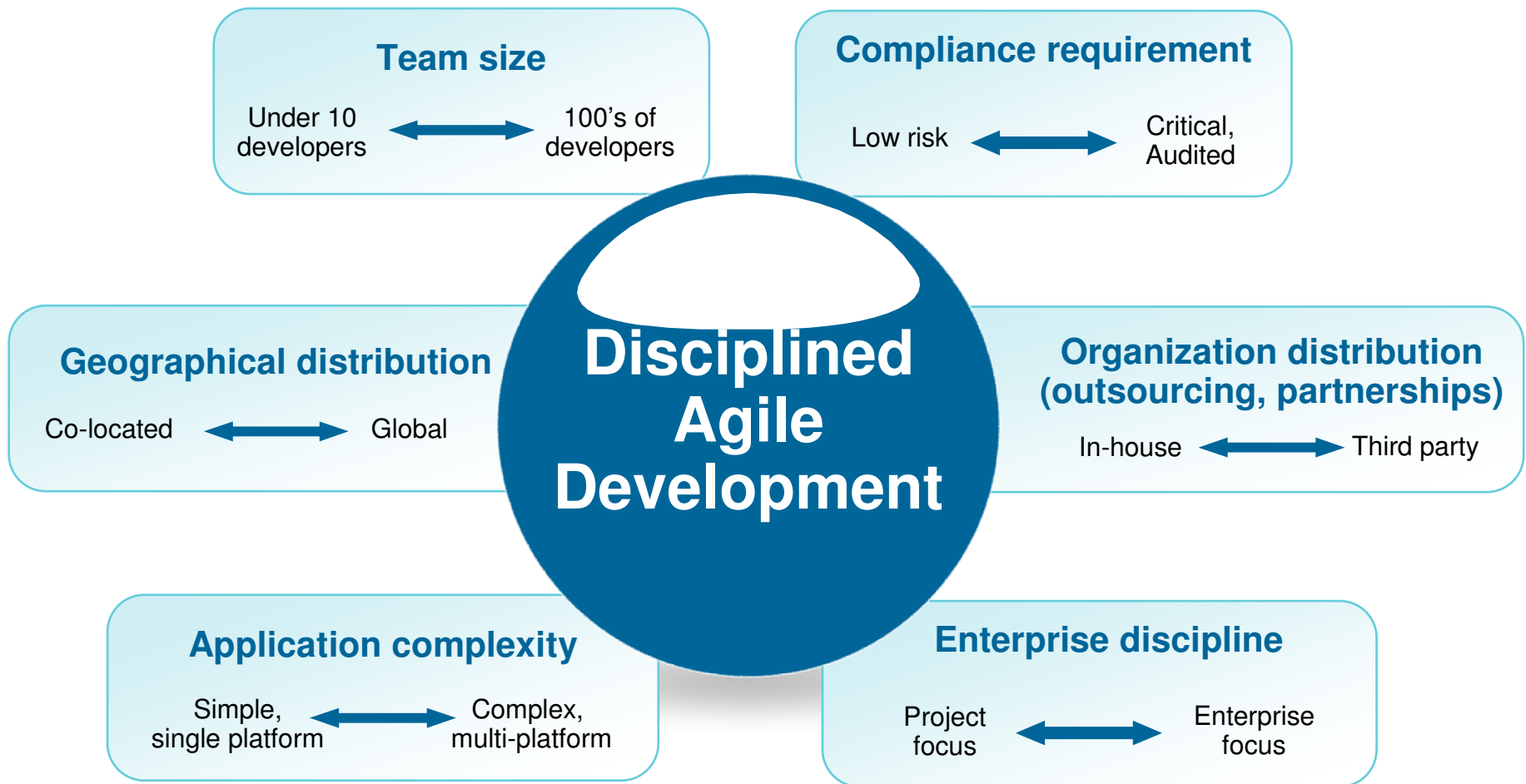


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What is Agility at Scale?



Agile Process Maturity Model

1

Core Agile Development

Focus is on construction
Goal is to develop a high-quality system in an evolutionary, collaborative, and self-organizing manner
Value-driven lifecycle with regular production of working software

2

Disciplined Agile Delivery

Extends agile development to address full system lifecycle
Risk and value-driven lifecycle
Self organization within an appropriate governance framework

3

Agility at Scale

Addresses one or more scaling factors:

- ▶ Team size
- ▶ Geographical distribution
- ▶ Organizational distribution
- ▶ Regulatory compliance
- ▶ Environmental complexity
- ▶ Enterprise discipline

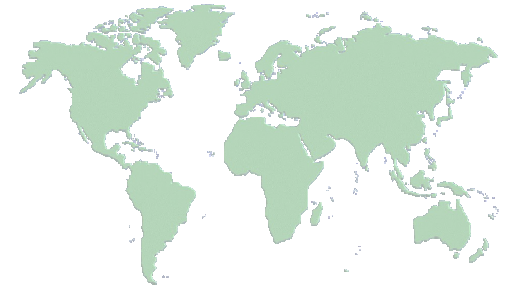


Rational Team Concert's Agile Planning Support

- RTC's Agile Planning support has the following key characteristics:
 - ▶ Process neutral (works with Scrum, OpenUp ...), but assumes
 - short (1 – 6 weeks) development cycles
 - supports two level planning: release, iteration
 - supports monitoring releases, iterations
 - ▶ No separation between planning/implementing of features and bug fixing
 - Both planning and defect management share a common data model
 - They are supported in the same tool and are highly integrated
 - Plans are in fact a query for work items
 - ▶ Supports:
 - Top down planning (product owner, team lead, ...) **OR**
 - Bottom Up (team members) **OR**
 - Plan consolidation (Sprint planning meetings, stand-ups, ...)



Agile Best Practice: Additional Roles



- **Ambassadors**
 - ▶ People who travel between sites to share information
 - ▶ Local team rooms should accommodate visitors
 - ▶ Short engagements
- **Boundary Spanners**
 - ▶ People specifically focused on enabling communication between sites
- **Architecture Owners (Large Teams)**
 - ▶ Person at each site responsible for the architecture
 - ▶ Facilitates and mentors the team through architectural issues
- **Chief Architecture Owner (Large Teams)**
 - ▶ Facilitates the architecture owners
 - ▶ Responsible for overall architecture
- **Chief Product Owner (Large Teams)**
 - ▶ Facilitates the product owners
 - ▶ Responsible for overall requirements



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Project Areas, Timelines, Iterations and Categories

Project Setup

defines Timelines

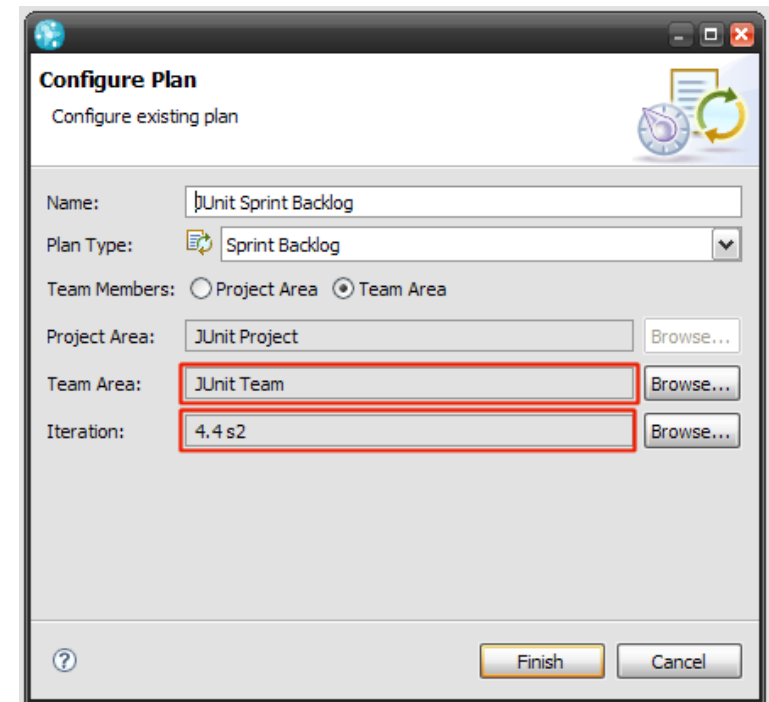
defines Categories

Work Item

Visibility	Associated Team Area
<input checked="" type="checkbox"/> JUnit Project	None
<input checked="" type="checkbox"/> backlog	None [inherited]
<input checked="" type="checkbox"/> IDE Integration	IDE Integration
<input checked="" type="checkbox"/> Eclipse	IDE Integration [inherited]
<input checked="" type="checkbox"/> IDEA	IDE Integration [inherited]
<input checked="" type="checkbox"/> JUnit	JUnit Team
<input checked="" type="checkbox"/> Doc	JUnit Team [inherited]
<input checked="" type="checkbox"/> Framework	JUnit Team [inherited]
<input checked="" type="checkbox"/> Tests	JUnit Team [inherited]

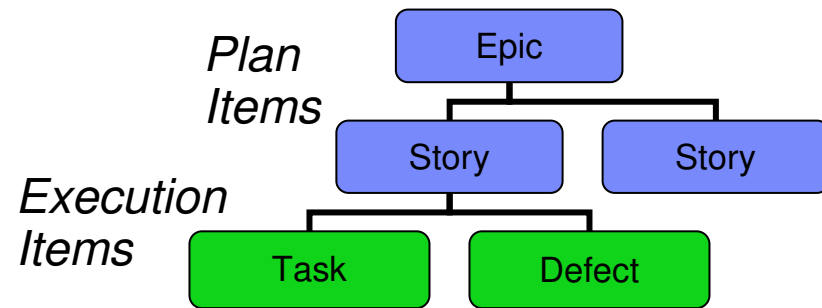
Concept: Plan

- Plans are owned by a team or project and are associated with an iteration
- Plan contents is derived from this:
 - ▶ All work items which have a Filed Against value set to a category owned by the plan's team or project and are planned for the plan's iteration.
- They have a plan type, defining the “onion” type of a plan



Concept: Plan and Execution items

- Work items have two flavors:
 - Execution Items: work items which have work assigned. In Scrum these are task, defects, ...
 - Plan Items: work items that are relevant for the planning. In Scrum these are Epics and Stories



- RTC allows to customize which work item types are plan items and which types are execution items.

Configuration

- Roles
- Project Configuration
 - Project Area Initialization
 - Permissions
 - Operation Behavior (unconfigured)
 - Event Handling (unconfigured)
 - Configuration Data
 - Dashboards
 - Planning
 - Plan Attributes
 - Plan Items (unconfigured)
 - Plan Mode Elements (unconfigured)
 - Plan Modes (unconfigured)
 - Plan Scripts (unconfigured)
 - Plan Types
 - Top-Level Work Item Type**
 - Work Environment
 - Work Item Progress Mode
 - Work Items
 - Work Items (advanced)
 - Team Configuration

Top-Level Work Item Types

This configuration option allows you to spe...

Top-Level Plan Item Types:

- Adoption Item
- Defect
- Epic
- Impediment
- Retrospective
- Story
- Task
- Track Build Item

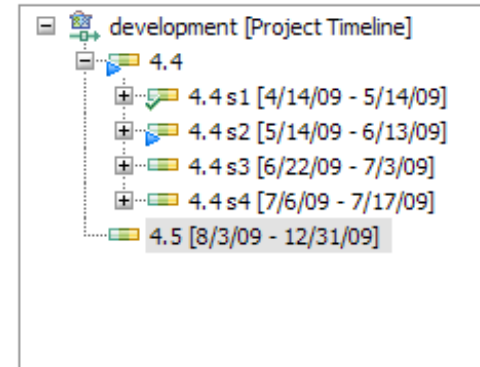
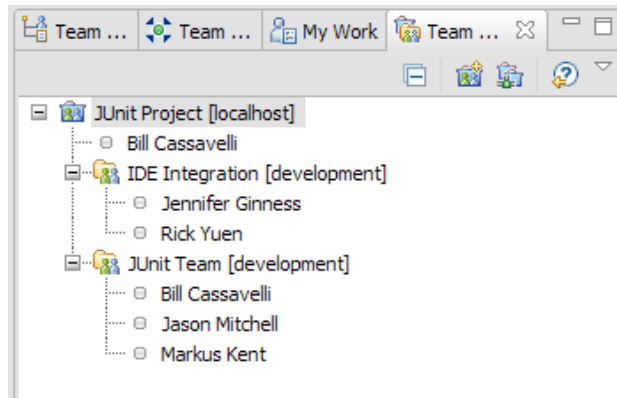
Concept: Plan Types

Release Planning:

- ▶ contains planning work items for
 - The plan's iteration and all its child iterations
 - The plan's team area or project area and all its child team areas
- ▶ Support for teams of teams
- **Iteration Planning:**
 - ▶ contains execution and planning work items for
 - The plan's iteration
 - The plan's team or project area
- **Daily planning**
 - ▶ My Work View



Plan Types - continued



- Release plans

- ▶ **JUnit Project / 4.4 (for projects)**: shows all plan items associated with the JUnit Project, IDE Integration team or JUnit team and planned for for 4.4, 4.4s1, 4.4s2, 4.4s3 or 4.4s4
- ▶ **IDE Integration team / 4.4 (for teams)**: shows all plan items associated with the IDE Integration team and planned for 4.4, 4.4s1, 4.4s2, 4.4s3 or 4.4s4. In addition is shows all execution items associated with the IDE integration team and planned for 4.4

- Iteration plan for JUnit Team / 4.4s2

- ▶ Shows all work items associated with the JUnit team and planned for 4.4s2

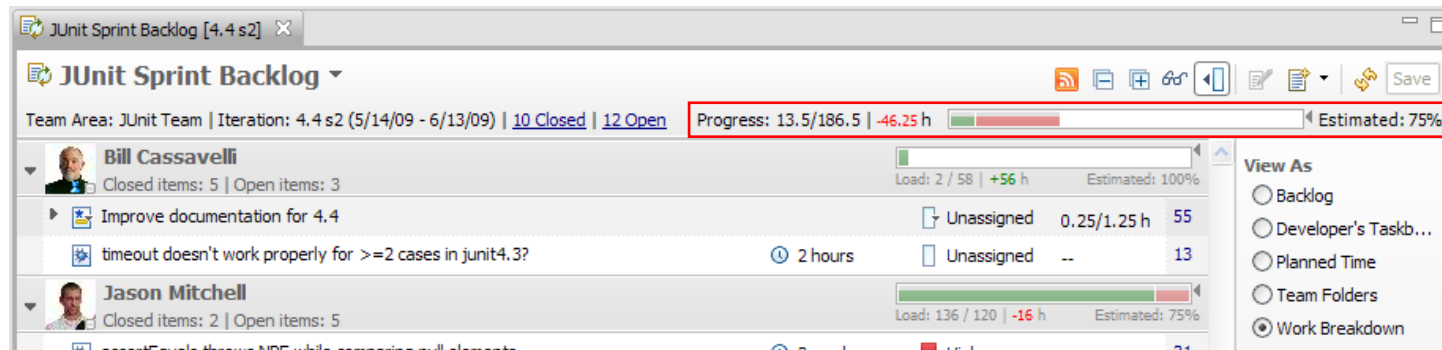
Concept: Estimation and Sizing

- Agile planning separates **estimating the size** from **estimating the duration**
- The **size** is often estimated in relative values. Scrum uses **Story Points**
- The **effort** is typically estimated in **Ideal Hours/Days**
- **Velocity** measures a teams rate of progress
 - ▶ Completing 2 Stories of 5 story points in one iteration gives a velocity of 40
 - ▶ Good guess is to assume the same velocity for the next iteration
 - ▶ Team velocity is what matters

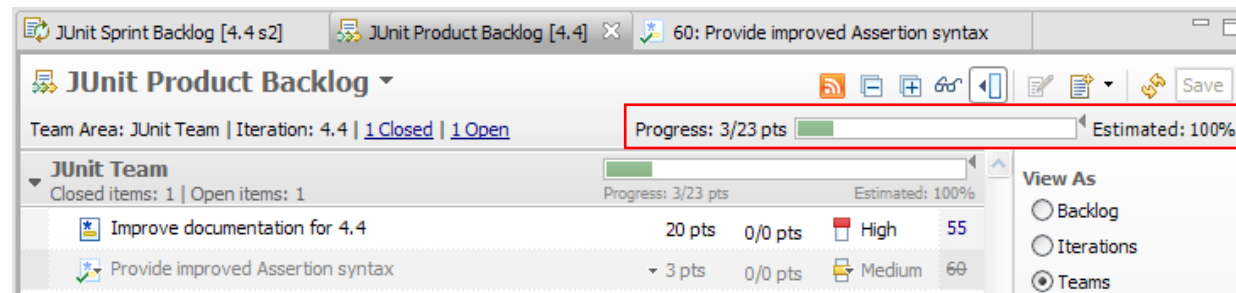


Estimation and Sizing

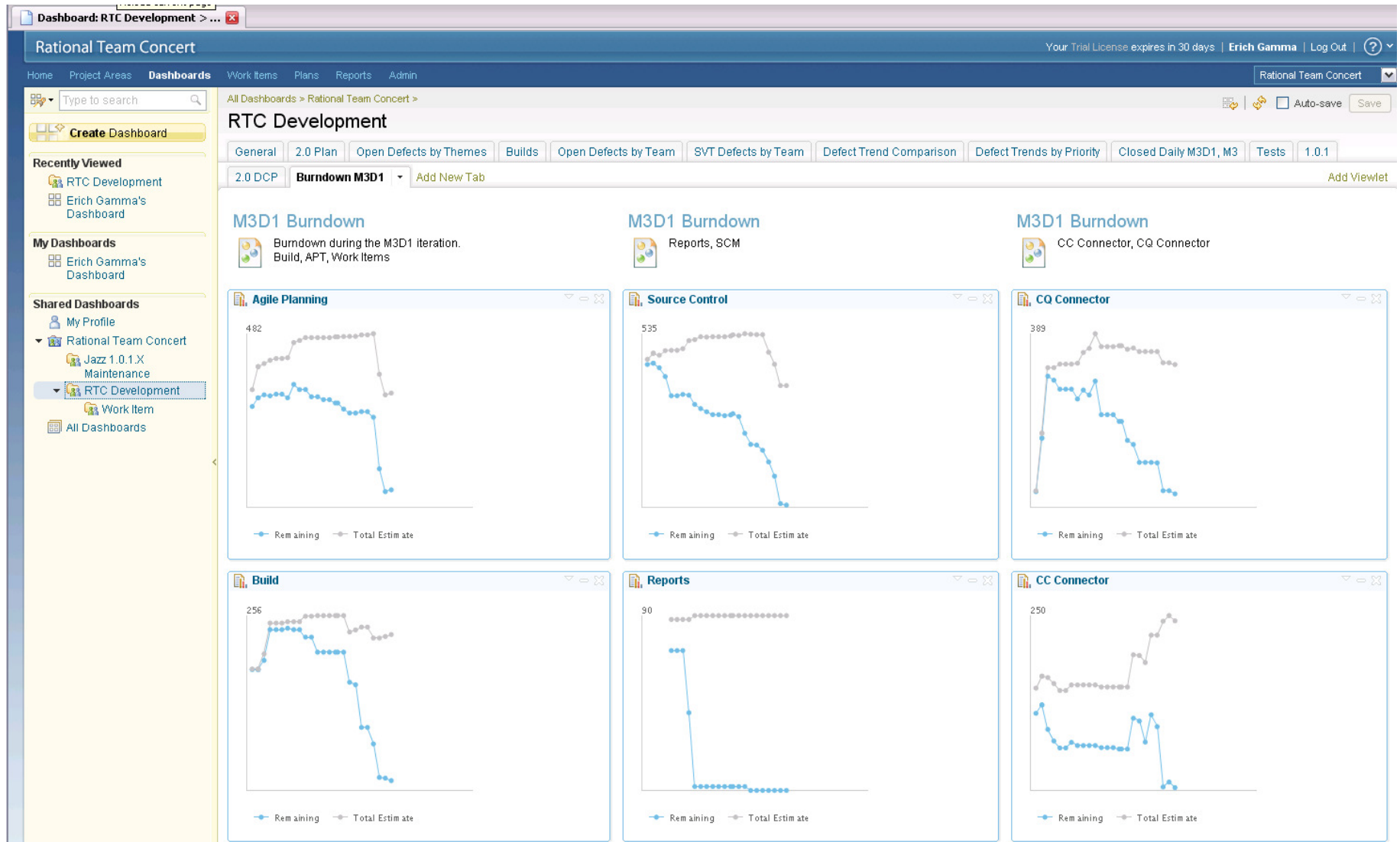
- Effort: Execution items are estimated in ideal hours.



- Size: Plan items are estimated using a configurable numerical sizing attribute
 - ▶ Scrum uses Story points. Other sizing attributes could be: lines of code, function points, ...

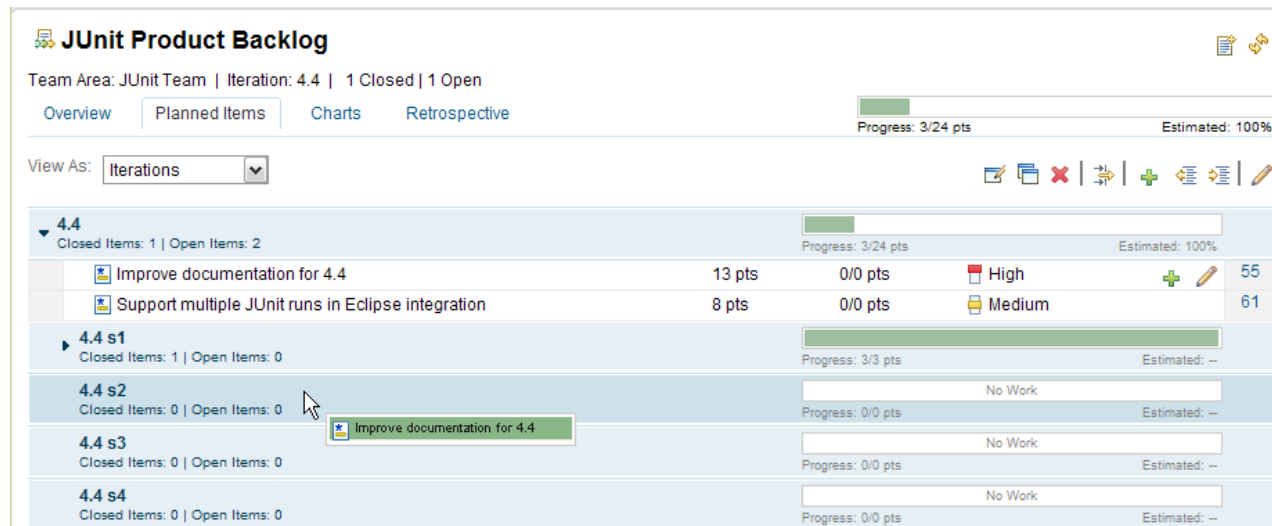


Concept: Effort Burn Down



Concept: Release Planning

- Configure the project areas time line
- Create a plan of type release plan / product backlog
- Take velocity reports or other historical data to find out how many story points a team can handle per iteration.
- Assign the plan items to the iterations, based on the backlog order and the team's velocity.



Concept: Iteration Planning

- RTC provides different view modes
 - ▶ Breaking plan items into tasks
 - ▶ Tracking progress by owner during an iteration
 - ▶ ...
- Use **Load Bars** for capacity planning
- Use **Progress Bars** to track progress

Markus Kent Closed Items: 4 Open Items: 6			
Past (4 closed)			
Later This Week (5 open)			
	assertArrayEquals misses differences	⌚ 2 hours	High 7
	Based on the assertThat syntax we should provide assumptions and theories support	⌚ 2 days	Unassigned 59
	testCount hard-coded to 1 for childless Description	⌚ -	Low 27
	javadoc updates for @Ignore in 4.3	⌚ 1 hour	Unassigned 30
	assertThat fails with Class tests (documentation problem)	⌚ 2 days	Unassigned 10
Future (0 closed)			
Inbox (1 open)			
	Tests on protected methods fail	⌚ -	Unassigned 14



Concept: Backlog and Planned Time

■ Backlog

- ▶ Sorts the work items in backlog order. Rearranging work items in this sort mode will change its ranking on the backlog

■ Planned Time

- ▶ Sorts the work items in the order in which the owner of the work item intends to work on them. The owner defines this sequence typically in the My Work View.

View As: Backlog

	assertEquals throws NPE while comparing null elements	High	31
	assertEquals misses differences	High	7
	Based on the assertEquals syntax we should provide assumptions and theories support	Medium	59
	javadoc updates for @Ignore in 4.3	Medium	30
	Tests on protected methods fail	Medium	14
	assertEquals fails with Class tests (documentation problem)	Medium	10
	assertEquals array comparison doesn't handle null elements	Low	33
	testCount hard-coded to 1 for childless	Low	27
	timeout doesn't work properly for >=2 cases in junit4.3?	Unassigned	13
	assertEquals signature does not match Matcher	Unassigned	9
	CompositeRunner.filter incorrect if child throws NoTestsRema	Unassigned	4

Jason Mitchell
Closed Items: 2 | Open Items: 4
Load: 138/112 | -26 h
Estimated: 100%

Past (2 closed)

Later This Week (4 open)

	assertEquals array comparison doesn't handle null elements	1 day	Low	33
	CompositeRunner.filter incorrect if child throws NoTestsRema	2 hours	Unassigned	4
	assertEquals signature does not match Matcher	1 day	Unassigned	9
	assertEquals throws NPE while comparing null elements	3 weeks	High	31



Concept: Daily Planning

- Triage important defects onto the Iteration Plan
 - ▶ Team Central, Team Load and Iteration Plan
- Run daily stand ups
 - ▶ Developer Taskboard to see what people are working on
 - ▶ Planned Time mode to check overall schedule

The screenshot shows the 'Event Log' and 'Team Load' sections of a software development tool. The Event Log lists tasks such as 'Specify new assertThat syntax (56)', 'Implement new assertThat (58)', and 'Provide improved Assertion syntax (60)'. The Team Load section shows three team members with their current load, estimated completion, and time variance. For example, one team member has a load of 2 / 58 with a +56 h variance and is 100% estimated.

Markus Kent		Progress: 0.25/35.25 h		Estimated: 71%	
Closed Items: 4 Open Items: 7		To Do	In Progress	Done	
Improve documentation for 4.4	55	javadoc updates for @Ignore in 4.3	30	[Docs] Cookbook TestRunner section incorrect	29
		assertArrayEquals misses differences	7	shows green bar while assert false	44
		testCount hard-coded to 1 for childless Description	27	Should not call derived's afters if super's before failed	47
		Tests on protected methods fail	14	@After method not called after my test timeout in 4.3.1	46
		assertThat fails with Class tests (documentation problem)	10		

Concept: Plan Risk Assessment

Task Description	Risk Level	Estimate	Start	End	Probability	Value
Link for enhanced hovers in Work Item web	High	2 hours	-	-	1.0	71777
Area' functionality on the service layer	High	3 days	-	-	1.0	77066
of namespaces, no prefixes and media	High	2 hours	-	-	1.0	77921
1-0548);	High	2 days	-	-	1.0	76899
ident.tests.URIServiceTest.testCommentsU	High	2 hours	-	-	1.0	54771
two custom attributes at the same time	High	2 hours	-	-	1.0	76854
Include the of each attribute in the ResultRowDTO	High	2 hours	-	-	1.0	77291
workflowInfo on Resolv is not updated on project area	Medium	2 hours	-	-	1.0	6997
Align ROA collection with OSLC's Atom and RDF Bags	Medium	2 days	-	-	1.0	70731
Consider to surface links as attributes in the Res	High	4 hours	3 days	-	1.0	73224
workItem REST API shall also expose the 'Included in bulk	High	1 day	2 days	-	0.995	69697
Preserve Mentioned By links when their target is protected	Medium	2 hours	-	-	0.994	77322
OSLC/REST cleanup	High	1 hour	3 days	-	0.749	77096
Check enforcement of permissions for Web UI bulk operation	Medium	4 hours	1 day	1 hour	0.629	68972
ator migration problem	Medium	1 hour	-	-	0.605	64246
PUT/POST	Medium	4 hours	-	-	0.490	64247
work Item in the	Unassigned	4 hours	-	-	0.109	74890
page returned to the Web UI	Medium	2 hours	2 hours	4 hours	0.083	74767
ulttext search was scoped by	Unassigned	4 hours	-	-	0.057	

More detailed developer estimation... low, nominal, high

calculates probability of task fitting into the schedule

Color codes high risk tasks for quick identification and action

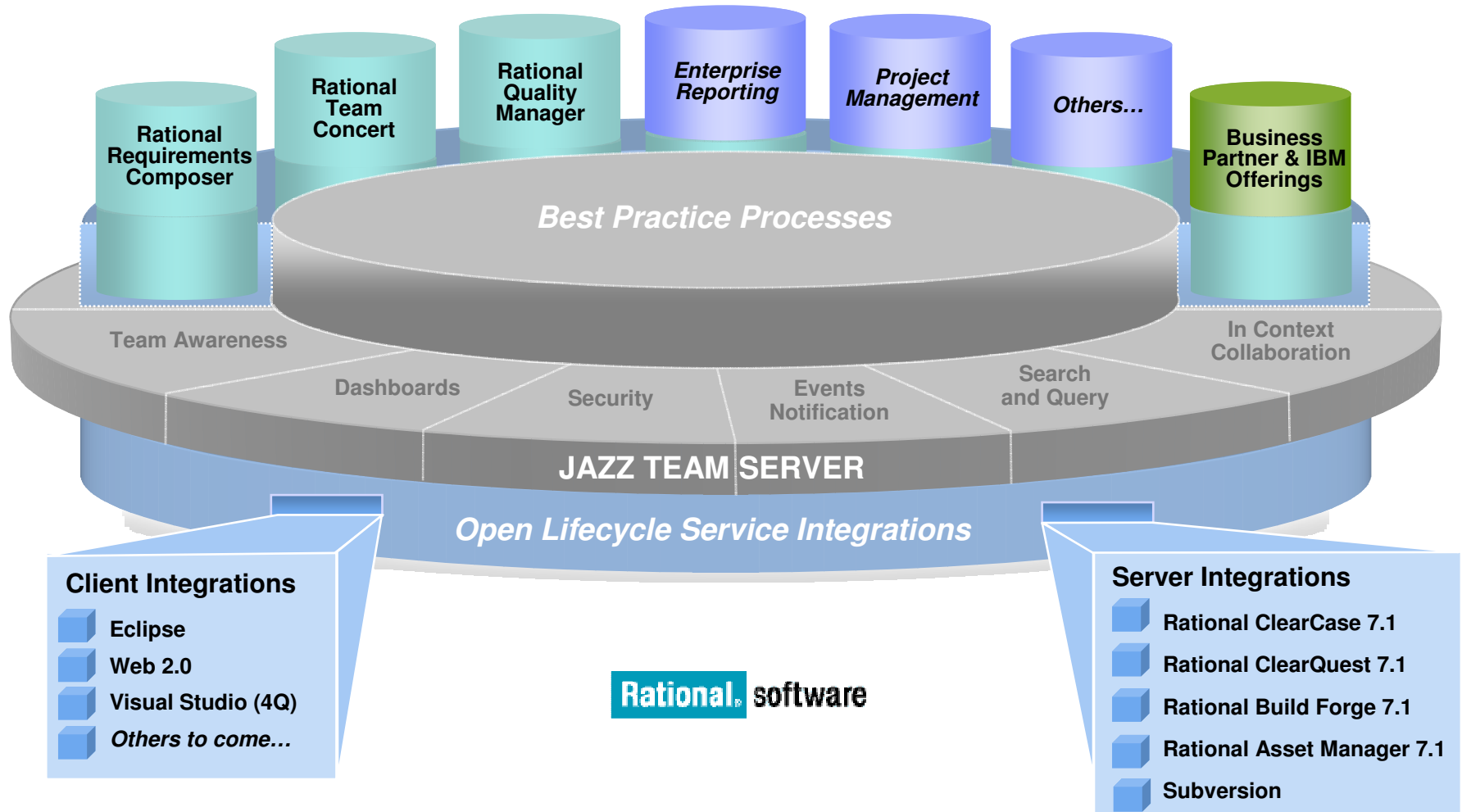


Agenda

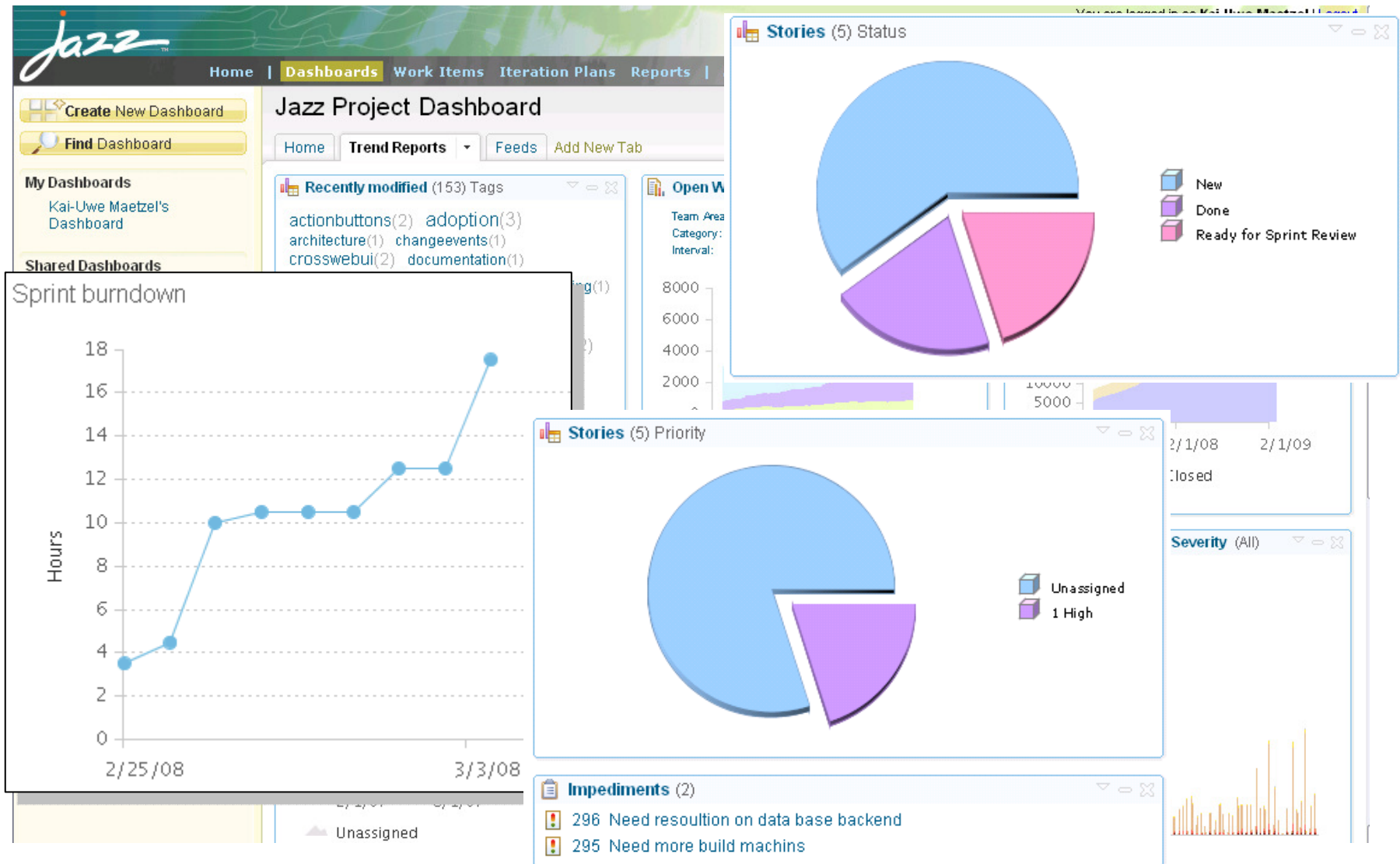
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- **How we use Agile Planning for Developing RTC**
- What's new in 2.0

Rational Team Concert Platform Architecture

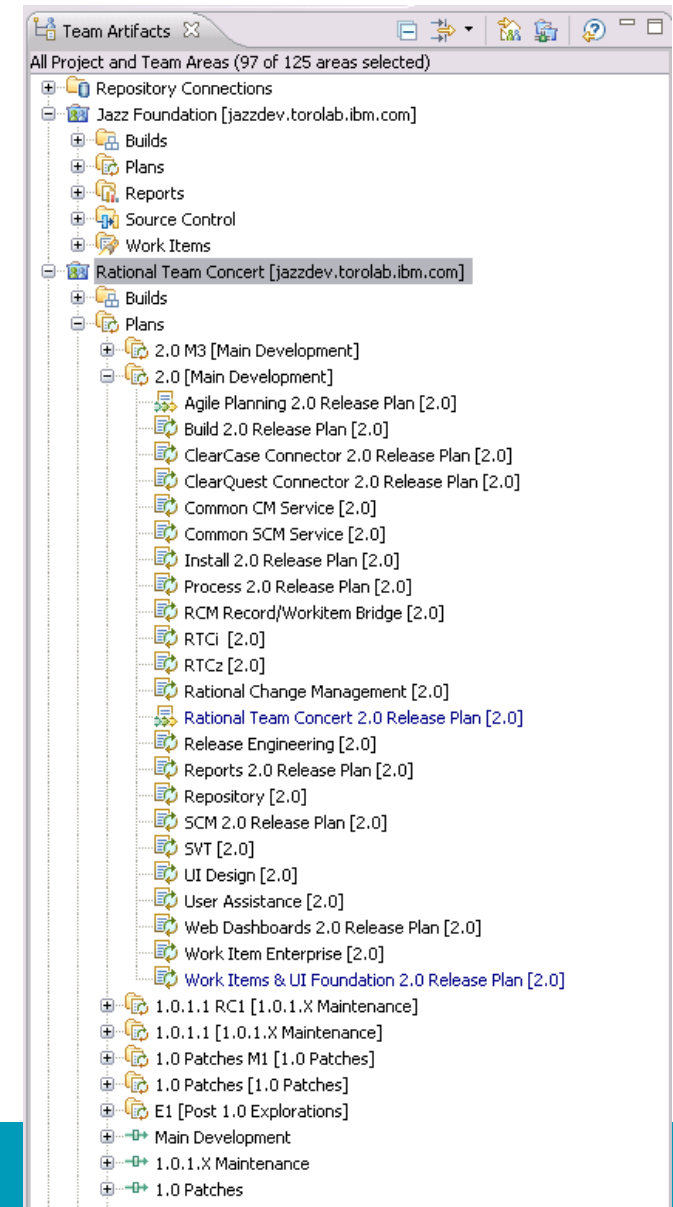


Continuous Project Monitoring



Using RTC to Plan and Deliver RTC 2.0 - Overview

- Release Plan
 - ▶ Define themes
 - ▶ Define plan items
 - ▶ Plan Item Work item type
- Tracking a Release
 - ▶ Effort less status tracking
 - ▶ Progress
- Iteration Planning (Scrum of Scrum)
 - ▶ Tracking cross team efforts
 - ▶ Tracking burn down across teams
 - ▶ Retrospectives
- Tracking Dependencies across teams



Release Plan Overview

The screenshot shows a web browser window titled "Java - Iteration plan 'Rational Team Concert 2.0 Release Plan - 2.0' - Rational Team Concert". The browser's address bar shows the URL: "Rational Team Concert 2.0 Release Plan [2.0] - Iteration plan 'Rational Team Concert 2.0 Release Plan - 2.0'". The page content includes:

- Rational Team Concert 2.0 Release Plan** (with a warning icon and "Problems detected" link)
- Team Area: Jazz Development | Iteration: 2.0 (10/27/08 - 6/26/09) | [29 Closed](#) | [58 Open](#)
- Progress: 0/0 | 0 h | Estimated: 66%
- RTC 2.0 Release Plan**
- See also the [Published Release Plan](#) on jazz.net.
- Plan is structured as follows:
 - Planned Items: the backlog of plan items sorted by decreasing priority (view as group by folder, user defined sort order)
 - Themes: describes the themes for this release
- Plan Status Dashboard page**
- [Plan Item Status overview](#)
- Plan Tracking Items**
 - [RTC 2.0 Plan Status Updating \(67653\)](#)
 - [RTC 2.0 plan approval tracking \(62601\)](#)

The browser's status bar at the bottom shows: "... Concert", "69524: Read Permission Adoption", and "607 Hits".



Release Backlog

Java - Iteration plan 'Rational Team Concert 2.0 Release Plan - 2.0' - Rational Team Concert

Rational Team Concert 2.0 Release Plan - 2.0 | Problems detected

Team Area: Jazz Development | Iteration: 2.0 (10/27/08 - 6/26/09) | 29 Closed | 58 Open | Progress: 0/0 h | Estimated: 66%

Planned Items
Closed items: 9 | Open items: 46 | Progress: 0/0 h | Estimated: 61%

Item Name	Progress	Priority	Estimated
Project level read access control	0/0 h	High	62548
Server performance and scaling data	0/0 h	High	62550
Recipes for high availability servers	0/0 h	High	65926
Enable other bundlings of RTC components	0/0 h	High	62552
Provide REST API for work items	0/0 h	High	62523
Support multi-repository dashboards	0/0 h	High	62556
Repository consolidation	0/0 h	High	65597
RTC client for VS IDE - build, team status view	0/0 h	High	62730
Support planning in web UI	0/0 h	High	62545
Improve Scrum support	0/0 h	High	62525
Provide web UI for builds	0/0 h	High	62540
Improve work item customizability	0/0 h	High	62528
More flexible workspace loads	0/0 h	High	62534
SCM logical resource support	0/0 h	High	62533
Common user identity	0/0 h	Medium	65927
RTC SDK	0/0 h	High	65924
SCM: Server operation logging	0/0 h	High	63105
ClearCase importer	0/0 h	High	62537
Improve management of sync streams	0/0 h	High	62518
ClearQuest Connector set-up improvements	0/0 h	Medium	62517

scrum

Overview | Planned Items | Charts | Themes

Processing... (0%) | ... Concert | 69524: Read Permission Adoption | 607 Hits

Project Release Plan: Team of Team Release Plan

Rational Team Concert Your Trial License expires in 67 days | **Erich Gamma** | Log Out | ?

Dashboards | Project Areas | Work Items | **Plans** | Builds | Reports Admin | Rational Team Concert

Rational Team Concert 2.0 Release Plan

Team Area: RTC Development | Iteration: 2.0 (10/27/08 - 6/26/09) | 128 Closed | 61 Open

Overview | **Planned Items** | Charts | Themes

Progress: 240/764 pts Estimated: 100%

View As: Teams

RTC Development
Closed Items: 130 | Open Items: 63 Progress: 240.5/764.5 pts Estimated: 100%

Project level read access control	2.0 M3	2/2	High	62548
Server performance and scaling data	2.0 RC4	1/1	High	62550
Provide REST API for work items	2.0	0/2	High	62523
RTC client for VS IDE – build, team status view	2.0	0/0	High	62730
Enable other bundlings of RTC components	2.0	1/1	High	62562
Support planning in web UI	2.0	2/2	High	62545

Agile Planning
Closed Items: 37 | Open Items: 2 Progress: 71/72 pts Estimated: 100%

Build
Closed Items: 11 | Open Items: 0 Progress: 19/19 pts Estimated: --

User can cancel/abandon builds	2.0 RC1	1 pts	0/0	High	81497
User can delete a build result	2.0 RC1	1 pts	0/0	High	78497
User can view extra info about a build, sufficient to analyze build failures	2.0 RC1	3 pts	0/0	High	77500
User can browse build results by definition	2.0 M2D1	5 pts	0/0	High	66960
User can view the overall build queue for the project area	2.0 M3	3 pts	0/0	Medium	76693
User can list build engines and their status	2.0 M3	1 pts	0/0	Medium	67156
User can navigate to the web UI for a particular build result	2.0 M2D1	1 pts	0/0	Medium	66963
User can report a new work item against a build result	2.0	2 pts	0/0	Unassigned	76684
User can request a rebuild	2.0 M3	1 pts	0/0	Unassigned	67154
User can request a build from a build definition	2.0	1 pts	0/0	Unassigned	67152

Backlog Grouped by Themes

Rational Team Concert Your Trial License expires in 67 days | Erich Gamma | Log Out

Dashboards Project Areas Work Items **Plans** Builds Reports Admin | Rational Team Concert

Rational Team Concert 2.0 Release Plan

Team Area: RTC Development | Iteration: 2.0 (10/27/08 - 6/26/09) | 128 Closed | 61 Open

Overview **Planned Items** Charts Themes

Progress: 240/764 pts Estimated: 100%

View As: **Backlog by Themes**

Theme	Closed Items	Open Items	Progress	Estimated
Modularity	0	0	0/0 pts	--
Team First	8	0	0/0 pts	--
Jazz Product Family	9	2	0.5/0.5 pts	100%
Web Access	8	0	0/0 pts	--
Easy to Use	4	9	0/0 pts	100%
Coexistence	7	5	0/0 pts	100%
Easy to Setup & Maintain	2	2	0/0 pts	100%
Enterprise Scalable & Secure	17	4	0/0 pts	100%

Project level read access control	2.0 M3	2/2	High	62548
Server performance and scaling data	2.0 RC4	1/1	High	62550
Support to view viewlets from different projects on a single dashboard page	2.0 M3D1	0/0	High	63634
Recipes for high availability servers	2.0	0/0	High	65926
Support 64-bit server environments	2.0 M3	0/0	High	65926
SCM: Server operation logging	2.0	0/0	High	63105
Improve work item customizability	2.0	0/0	High	62528
Repository consolidation	2.0	0/0	High	65597
More flexible workspace loads	2.0	0/0	High	62534
Support enterprise license	2.0 RC1	0/0	Medium	71894
ADX 5.3 TL 7 for p-Series	2.0 RC2	0/0	Medium	65936
FDCC compliance	2.0 RC2	0/0	Medium	65932
VMware support	2.0	0/0	Medium	65933
FIPS-140-2 certification	2.0 RC1	0/0	Medium	65930
IPv6 enablement	2.0 RC2	0/0	Medium	65929

Backlog with Plan Item Preview

The screenshot displays the IBM Rational Team Concert interface. The main window title is "Java - Iteration plan 'Rational Team Concert 2.0 Release Plan - 2.0' - Rational Team Concert". The interface is divided into several sections:

- Planned Items:** A list of tasks with their IDs and progress bars. The item "Improve Scrum support" (ID 62525) is highlighted.
- Plan Item 62525 Details:** A detailed view of the selected item, including:
 - Type: Plan Item
 - Progress: 3/3 h (75% estimated)
 - Team Area: Jazz Development / Rational Team Concert
 - Filed Against: PMC
 - Tags: (empty)
 - Dev Status: On Track
 - Theme: Team First
 - Priority: High
 - DCP Boca: Base Content
 - Crossteam: (checked)
 - Complexity: Significant
 - Owned By: Erich Gamma
 - Planned For: 2.0
- Description:** "Improve Scrum support. V Scrum-style backlog planning w for a release are arranged in p be grouped by iterations, and l sprints/iterations. We should in progress on tasks by providing representation of the work items"
- Discussion:** A list of comments from team members like Dirk Baeumer, James Moody, and Julian Jones.
- Quick Information:** Summary statistics such as "Subscribers (17)", "Children (10)", "Blocks (1)", and "Related (0)".

The bottom of the window shows a search bar with "scrum" entered and a status bar with "69524: Read Permission Adoption" and "617 Hits".

Plan Item

Custom Attributes

- ▶ Complexity
- ▶ Development status:
 - on track
 - at risk
 - behind
- ▶ Done criteria

Workflow

- Proposed
- Committed
- Done

62525: Improve Scrum support - Rational Team Concert

Plan Item 62525

Summary: Closed Implemented Save

Details

Type: Plan Item

Progress: Progress: 3/3 h Estimated: 100%

Team Area: [RTC Development](#) / [Ra...](#)

Filed Against:

Tags:

Dev Status:

Theme:

Priority:

DCP Boca:

Crossteam:

Complexity:

Owned By:

Planned For:

Resolution Date:

Resolved By: [Erich Gamma](#)

Quick Information

Subscribers (19): [AM](#), [BB](#), [BG](#), [BC](#), [CP](#), [DB](#), [EG](#) ...

Children (11): [63593](#), [64125](#), [64126](#), [64243](#) ...

Blocks (1): [66117](#)

Related (1): [55875](#)

Mentions (3)

Description

Improve Scrum support. We should improve Scrum-style backlog planning where items planned for a release are arranged in priority order, can be grouped by iterations, and be assigned to sprints/iterations. We should improve tracking of progress on tasks by providing a task board presentation of the work items planned in progress for an iteration. We should also add a release burndown chart. [Theme: Team First]

Discussion (14 comments) [Add Comment](#)

Any plans to support "planning poker" in the context of improved Scrum support?

4. [Dirk Baeumer](#), Jan 27, 2009, 11:26 PM
No, there are no plans to support planning poker for 2.0.

5. [Julian Jones](#), Jan 27, 2009, 11:30 PM
thanks for the update.

6. [Artem Marchenko](#), Feb 2, 2009, 10:20 AM
Is it possible to make sure #51074 and #55875 are included?

Real product backlog with history of estimates and real release burndown (based on this history) are important for Scrum users.

7. [Artem Marchenko](#), Feb 2, 2009, 10:20 AM
[work item 51074](#) and work item 55875

8. [Dirk Baeumer](#), Feb 3, 2009, 2:36 PM
A real flat backlog will come for 2.0. What will not come is plan baselining so that you can see how estimates have changed for a whole plan during on iteration. But you can always see the history of a single item in the work item editor.

9. [Dirk Baeumer](#), Feb 18, 2009, 12:39 PM
R

10. [Dirk Baeumer](#), Feb 18, 2009, 12:40 PM
Assessed Dev. Status: wok is still on track

11. [James Moody](#), Apr 24, 2009, 7:49 PM
M3 status update from the Reports team: In M3, we added a Release Burndown report. We have also added an "estimated" line to the Burndown report, renamed Team Velocity to "Estimated vs Actual Work" and renamed "Story Points by Iteration" to "Team Velocity" (to be more consistent with popular usage of the term "Velocity"). We also added a new report which shows the number of total story points per iteration (planned and achieved) to aid in distribution planning, and made some minor upgrades to other reports.

We are also honouring the "Top Level Work Item Types" setting, as well as the "Work Item Complexity" attribute in all of the applicable reports.

In RC1 I will add an estimated line to the Release Burndown report, and also make sure the iterations are sorted by date instead of alphabetically.

So our work here is on track and nearly complete.

12. [Erich Gamma](#), May 12, 2009, 12:49 PM
The completion for RC1 is to finish the update of the Scrum template as detailed in [work item 70007](#)

Overview [Links](#) [Approvals](#) [Done Criteria](#) [History](#)



Release Plan Status Tracking

- Painless status tracking
- Status updating is tracked in a task with approvals
- Status updated at end of each iteration

The screenshot displays the Rational Team Concert (RTC) interface for a task titled "67653: RTC 2.0 Plan Status Updating". The task is currently in a "Reopened" state. The "Approvals" section shows a list of approvers and their status:

Approver	State	Due
M1 Status update	Approved	Jan 22, 2009
M2D1 Status Update	Approved	Feb 3, 2009
M2 Status Update	Approved	Mar 12, 2009
M3D1	Pending	Apr 2, 2009
André Weinand	Approved	
Carol Yutkowitz	Pending	
Chris Daly	Pending	
Dejan Glazic	Pending	
Dirk Baumer	Pending	
Jean-Michel Lemieux	Pending	
John Vasta	Pending	
Nick Edgar	Pending	
Rafik Jaouani	Pending	

The interface includes a menu bar (File, Edit, Navigate, Search, Project, Run, Window, Help), a toolbar with various icons, and a bottom status bar showing "269M of 444M" and "<No Current Work>".



Dashboard with Plan Item Status

Dashboard: RTC Development > ...

Rational Team Concert

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

Type to search

All Dashboards > Rational Team Concert >

RTC Development

General **2.0 Plan** Open Defects by Themes Builds Open Defects by Team SVT Defects by Team Defect Trend Comparison Defect Trends by Priority Closed Daily M3D1, M3 Tests 1.0.1

2.0 DCP Burndown M3D1 Add New Tab Add Viewlet

Plan Related Links

- Detailed Release Plan
- Plan Item Status Description
- Published Release Plan
- Status Tracking Item

Plan Items at Risk (2)

- 62533: SCM logical resource support
- 65932: FDCC compliance

Plan Items Blocked (0)

No work items found.

Plan Items Behind (5)

- 62517: ClearQuest Connector set-up improvements
- 62540: Provide web UI for builds
- 62537: ClearCase importer
- 65925: Support 64-bit server environments
- 62541: Work items improve parity between eclipse and web UI

Plan Items on Track (29)

- 69063: Move the bundled Eclipse from 3.3 to 3.4
- 73767: ClearQuest Bridge
- 65933: VMware support
- 65936: AIX 5.3 TL 7 for p-Series
- 66057: Obtain quality certification
- 62543: Web UI for process permission editing
- 65934: Accessibility
- 62531: SCM file locking
- 62546: Complex text enablement
- 71891: Support enterprise license
- 65922: Reporting across relationships
- 62538: Provide ClearQuest Importer
- 62730: RTC client for VS IDE – build, team status view
- 62523: Provide REST API for work items
- 62550: Server performance and scaling data
- 62525: Improve Scrum support
- 62556: Support multi-repository dashboards
- 62528: Improve work item customizability

Open 2.0 Plan Items (40) Dev Status

Status	Count
On Track	32
Behind	4
Not Started	2
At Risk	2

Plan Items not Started (2)

- 65926: Recipes for high availability servers
- 63105: SCM: Server operation logging

Deferred items are Plan Items from the backlog that are not in scope for RTC 2.0.

Plan Items Deferred (19)

- 62516: Project restructuring on the same and across servers
- 71890: Pre-sales sizing assessment tool
- 65928: Improve remote/MWAN performance
- 62551: Support UI scalability in the face of many projects
- 62539: Support ClearQuest Multisite configurations
- 62527: Improve approval for change sets
- 65935: Solaris 10 on SPARC
- 62830: Support instant messaging (IM) in the Web UI
- 65597: Reposition consolidation

Project Management Iteration Plan

- Defines mandates from the project management team
 - ▶ Themes
- Buddy Review Tracking

PMC [2.0 M3] - Plan 'PMC - 2.0 M3'

PMC

Team Area: RTC Development | Iteration: 2.0 M3 (3/30/09 - 4/24/09) | [15 Closed](#) | [3 Open](#) | No Work Estimated

PMC Plan M3D1

- The **Planned Items** tab - shows the work items corresponding to the plan **view in Group by Team Folders**
- The **Component Summary** tab provides an overview of the committed deliverables for this iteration.

Timelines

- [RTC Timeline](#)
- [JF Timeline](#)

2.0 PMC Mandates Roadmap

The road map is described [here](#)

Themes

- New adoptions
 - [Adopt CSS optimization / modularity system \(71903\)](#)
 - [Process migration helpers are now keyed to component models \(72926\)](#)
 - User setting user interface in Web/UI. The UI will come in FM_RCO and the change needs adoptions from components. See [Contribute overview page to the user settings \(75402\)](#)
- Ensure that all started adoptions are in a done/done/done state meaning they are implemented, tested and deployed.
 - [Read Permission Adoption \(69524\)](#)
 - [Enable project areas with no teams \(65343\)](#)
 - [Team areas can exist outside a development line \(65330\)](#)
 - [Enable showing artifacts \(builds, plans, streams, etc\) in the project area editor \(72920\)](#)
 - [Implement Eclipse 3.3 -> 3.4 \(72921\)](#)
 - [Implement and Test RTC without Build, SCM \(64810\)](#)
- Performance
 - Performance work based on the large-scale performance testing
 - Performance pass to ascertain impact of major changes such as read permissions
- Complex text and accessibility enablement
 - Complex text enablement: Change sets from Tod need to be reviewed and delivered by the teams
 - Accessibility enablement: Change sets from Tod need to be reviewed and delivered by the teams
- C/ALM
 - A list of wishes from C/ALM against RTC can be found [here](#). C/ALM is a joined effort from Jazz Foundation, RQM, RRC and RTC, RTC. We should address important requests from C/ALM.

PMC Work

- [Define SDK Contents \(66475\)](#)

Buddy Review Tracking

[M3 PMC Buddy Plan Review \(75788\)](#)

Overview | **Planned Items** | Charts | Component Summaries



Adoption Items on the Dashboard

Dashboard: RTC Development - I...

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2.0 DCP Burndown M3D1 Add New Tab Add Viewlet

Recently Viewed

- RTC Development
- Erich Gamma's Dashboard

My Dashboards

- Erich Gamma's Dashboard

Shared Dashboards

- My Profile
- Rational Team Concert
 - Jazz 1.0.1 X Maintenance
 - RTC Development**
 - Work Item
 - All Dashboards

2.0 Release Plan available

Description RTC Development

Umbrella area for all RTC development work

Development work is done in a separate development line named 'development'. This team area is the parent of all team areas dedicated to the RTC development work. The development work is structured around releases.

Each component team that actively contributes to the development work is represented with its own child team area.

The RTC PMC oversees the development work. Team members listed in this team area are working across all component boundaries.

Open Track Build Items (1)

- 76645: Track 2.0 M3D1 a (week of March 30, 2009)

Work Item Queries

- Retrospectives (115)
- QCert: Open Blocking, Critical Defects (SVT, FVT, Development) (10)

Open Blocker and Critical Defects (31) Filed Against

Work Items	31
Source Control	15
Agile Planning	10
JRS	10
Release Engine...	10
Visual Studio Client	5
ClearCase Conne...	5
Build	2
ClearQuest Bridge	1

Open Globalization (Must Fix) (6) Filed Against

Agile Planning	6
Install	6
Process	6
Visual Studio Client	6
Work Items	6
Work Items/Eclips...	6

Approved Team Adoptions (7)

- 69524: Read Permission Adoption
- 71903: Adopt CSS optimization / modularity system
- 68988: Removal of "Repository Client" component from foundation
- 72920: Enable showing artifacts (builds, plans, streams, etc) in the project area editor
- 65343: Enable project areas with no teams
- 65330: Team areas can exist outside a development line
- 66185: IFilesystemRestClient API changes for 2.0

Proposed Team Adoptions (1)

- 72926: Process migration helpers are now keyed to component models

Cross Team Expectations (2)

- 61490: Daemon APIs to get/set Jazz Source Control preferences
- 63022: Need to identify work items that are resolved invalid and duplicate

JF 1.0 X-Expectations (6)

- 64884: ShrinkSafe forward reference problem
- 63787: ValidatingX509TrustManager will accept any signed certificate
- 69890: Support sorting by state extension values on a named key
- 70562: Add support for streaming input args for large in lists
- 71439: Guard against custom serializers in ItemRenderService if a specific format is expected
- 70615: Need mechanism to find items where links do not exist

Accessibility Change Sets Requiring... (11) Filed Against

Work Items/Web UI	11
Agile Planning/...	3
Build	1
Agile Planning/W...	1

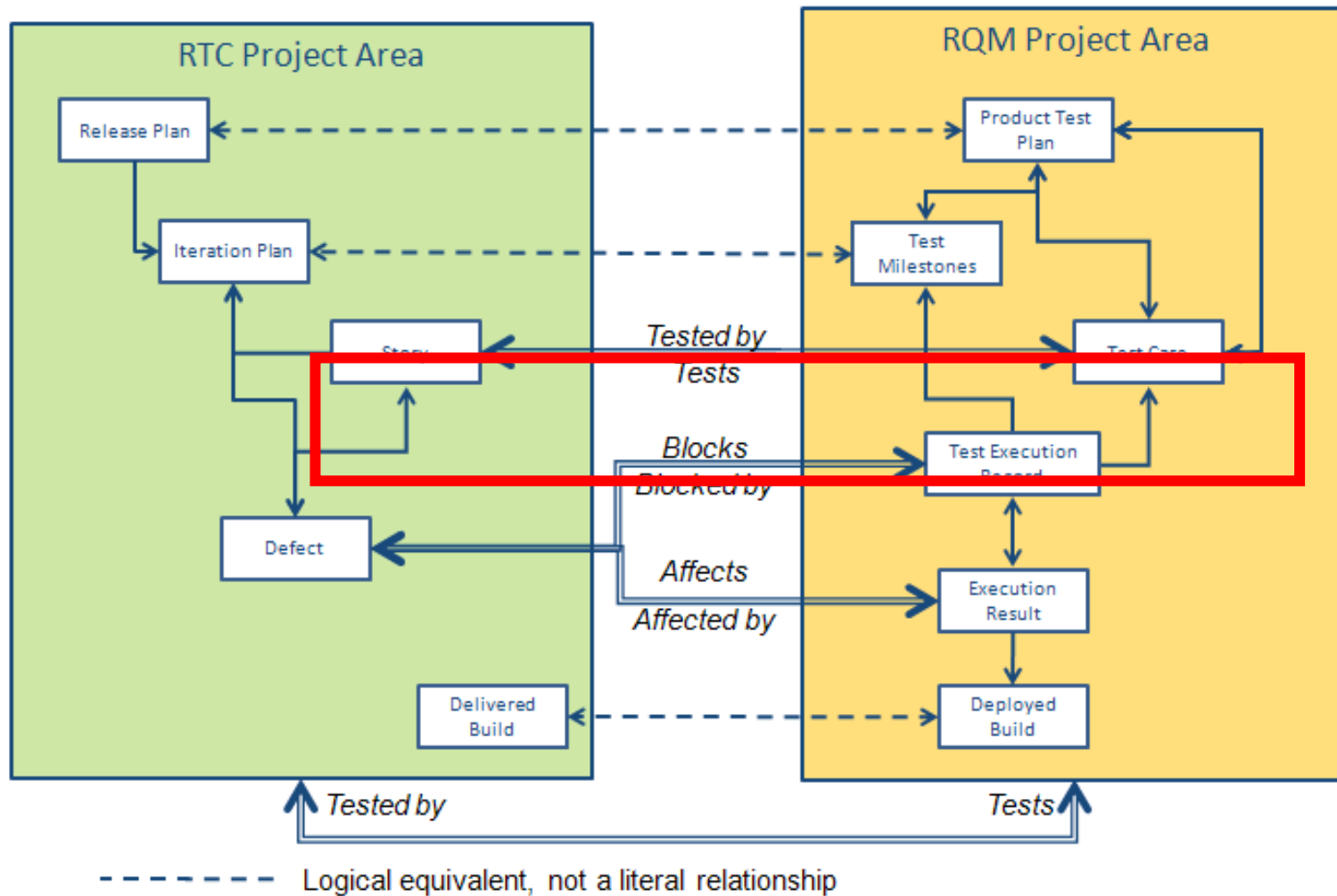
Bi-di Change Sets Requiring Approval (1) Filed Against

More support for Agile at Scale

- **RTC Build**
 - ▶ personal builds
 - ▶ build snapshots
- **Buildforge Integration**
- **Jazz SCM**
 - ▶ isolation/integration using stream flow hierarchies => show our flow structure
 - ▶ private versions for code exploration
 - ▶ suspend resume for task isolation
- **Dashboards**
 - ▶ for transparency



Agile Planning & Collaborative ALM



C/ALM Link Queries

Stories with failed tests

Defects blocking test execution



Summary

- RTC 2.0 covers the planning onion
- Much improved scrum and scrum of scrum support
- Planning for everybody in eclipse and web

Questions



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Recommended Resources

- www.ibm.com/rational/agile/
- www.ibm.com/developerworks/
- www.ibm.com/software/info/developer/solutions/gdd/
- www.ibm.com/developerworks/blogs/page/ambler

References

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- Webcast: Using Rational Team Concert in a Globally Distributed Team
 - ▶ <https://jazz.net/blog/index.php/2009/01/06/webcast-using-rational-team-concert-in-a-globally-distribute-team/>

