

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

Ron Estabillo – Technical Specialist for Rational Software, ASEAN



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# Agenda

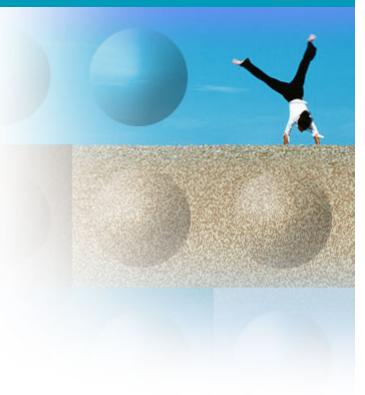


# What is Agile?

 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

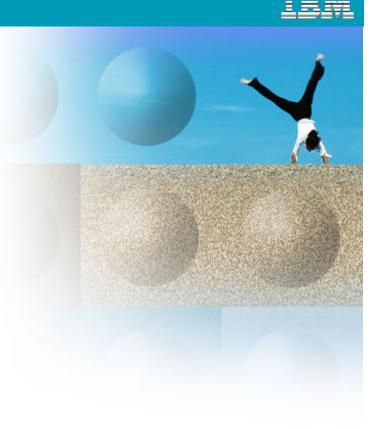


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# **Agile Methods**

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



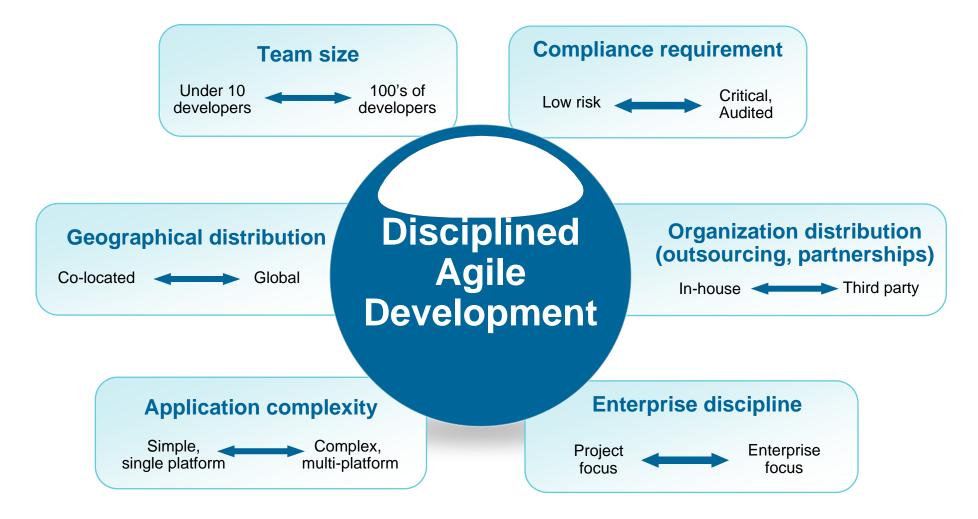


# Agenda





### What is Agility at Scale?





# Agile Process Maturity Model



#### Core Agile Development

Focus is on construction

Goal is to develop a high-quality system in an evolutionary, collaborative, and selforganizing manner

Value-driven lifecycle with regular production of working software



#### Disciplined Agile Delivery

Extends agile development to address full system lifecycle

Risk and value-driven lifecycle

Self organization within an appropriate governance framework



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, ...)



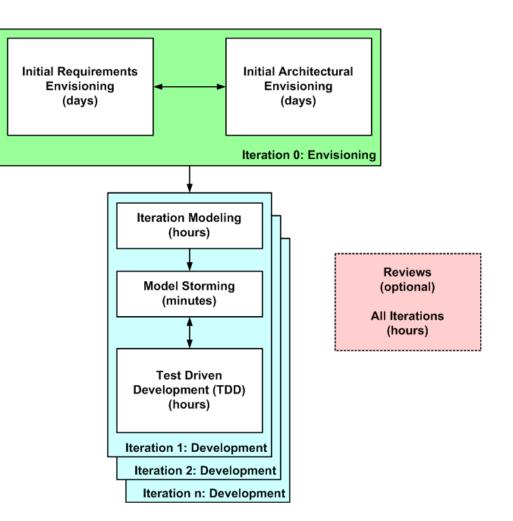
### Sample Agile Activity: Up Front Modeling

Do some initial requirements envisioning to identify the highlevel requirements

Do some initial architecture envisioning to identify a viable architecture strategy

DO NOT write detailed specifications at the beginning of the project

The goal is to reduce risk by thinking critical issues through but not take on the burden (and risk) of detailed specifications



#### Source: www.agilemodeling.com/essays/amdd.htm



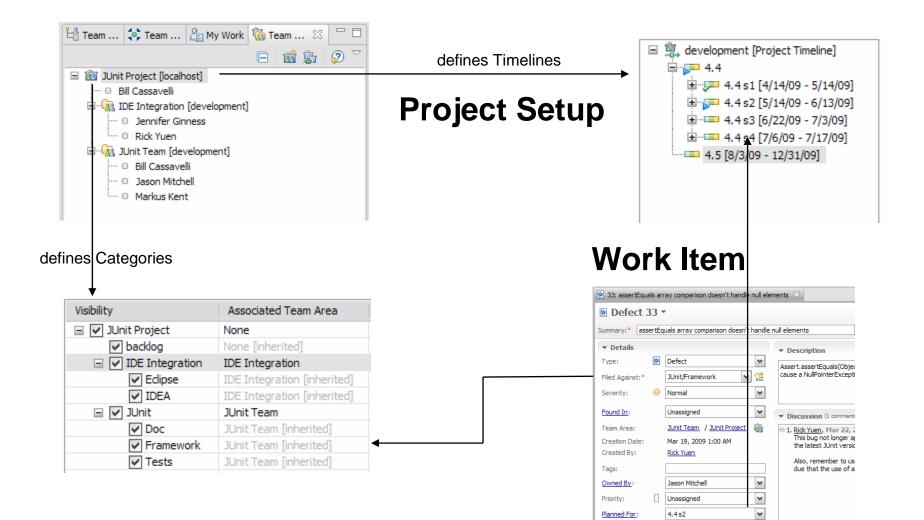
# Agenda



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### **Project Areas, Timelines, Iterations and Categories**



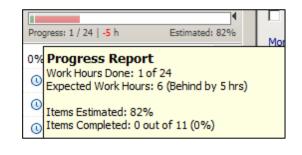


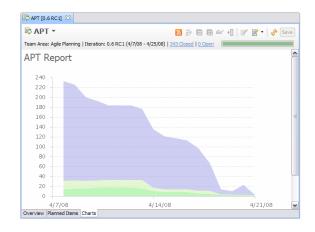
# **Project Plans**

### RTC plans are <u>live</u>

- Shows immediate status on team and individuals
- Provides certainty on project schedule
- Plans include charts (e.g., burn down)

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	🔹 🔄 User Profile Soc-nf001	0% Closed	🖶 High	652
	📋 Extend User Profile with Extra Fields	① 1 day 2 hours	💾 High	653
	Update Status Report for Iteration 2	③ 2 hours	📙 Low	696
	Include comments from other users in profile Soc-nf002		📙 Low	661
•	howardr O Closed items: 0   Open items: 5	Progress: 0 / 18   -5 h	Estimated:	<b>▲</b> 100%
	Publish Books Uc-bok004	0% Closed	🖶 High	608
	Team Meeting Minutes for 2/25/09	③ 30 mins	📙 Low	695
•	<b>jdoran</b> Closed items: 0   Open items: 11	Progress: 1 / 24   -5 h	Estimated	<b>4</b> 1:82%
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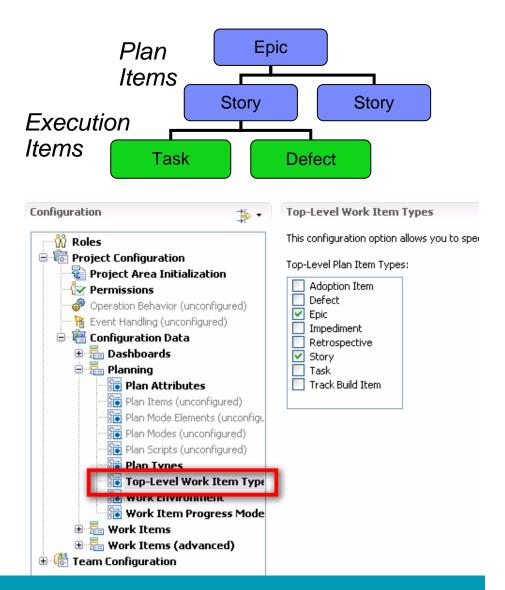




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### Work items

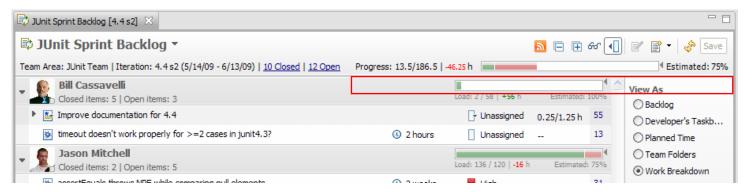
- Work items have two flavors:
  - Execution Items: work items which have work assigned. In Scrum these are task, defects, ...
  - Plan Items: work items that are relevant for the planning. In Scrum these are Epics and Stories
- RTC allows to customize which work item types are plan items and which types are execution items.



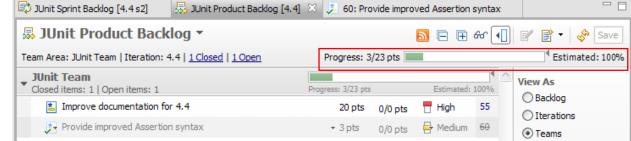


# **Estimation and Sizing**

Effort: Execution items are estimated in ideal hours.

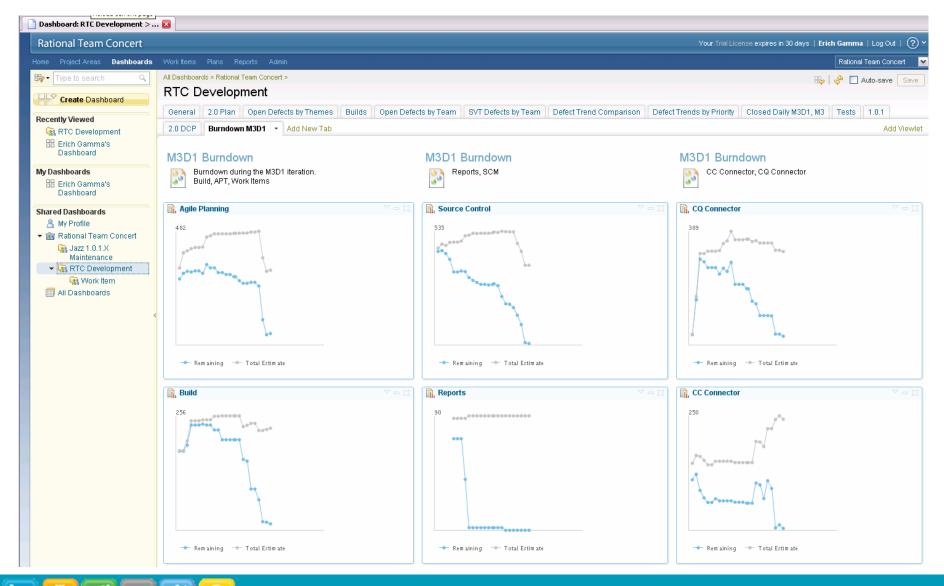


- Size: Plan items are estimated using a configurable numerical sizing attribute
  - Scrum uses Story points. Other sizing attributes could be: lines of code, function points, ...





# Effort Burn Down



Agile at Scale: Agile Planning



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

•	Jason Mitchell Closed Items: 2   Open Items: 4	Load: 138/112   -26 h	Estimated: 100%	
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### Plan Risk Assessment

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## Individual Work Schedule

- Users order work in My Work view
  - Shows immediate, real-time personal schedule
- Provides developer certainty on their personal schedule
  - Up-to-date expectations to user and entire team

<ul> <li>Current Work (JUnit Project)</li> </ul>				
Today (1 items)				~
Based on the assertThat syntax we should provide assumptions and theories support	0	4h	59	
Tomorrow (3 items)				
🔯 🧧 assertArrayEquals misses differences	0	1h	7	
📋 🖶 javadoc updates for @Ignore in 4.3	0	1h	30	
🔯 🖶 assertThat signature does not match Matcher	0	1d	9	=
Next Week (1 items)				_
timeout doesn't work properly for >=2 cases in junit4.3?	0	2h	13	



### **Event Feeds and Notification**

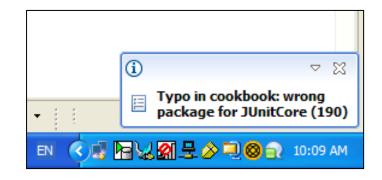
### RTC provides immediate feedback for all project events

- Shows what other team members are doing
- Approvals, builds, news, reports, CM changes, process changes, work changes, etc.

### Location-independent notification

Flexible notification – pop-up (right figure), email, RSS

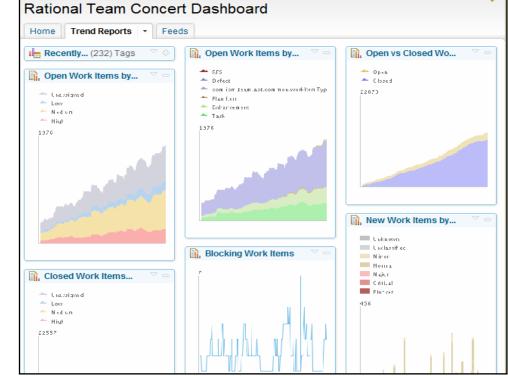






# Dashboards

- Live, aggregated project information
  - Shows work, builds, schedules, load, news, events, etc.
  - Dashboards for projects, teams, individuals
  - Variety of presentation options bar, line, pie, cloud
- Certainty are we on track?
- Immediacy live project data





Open work items by type

1800 1600

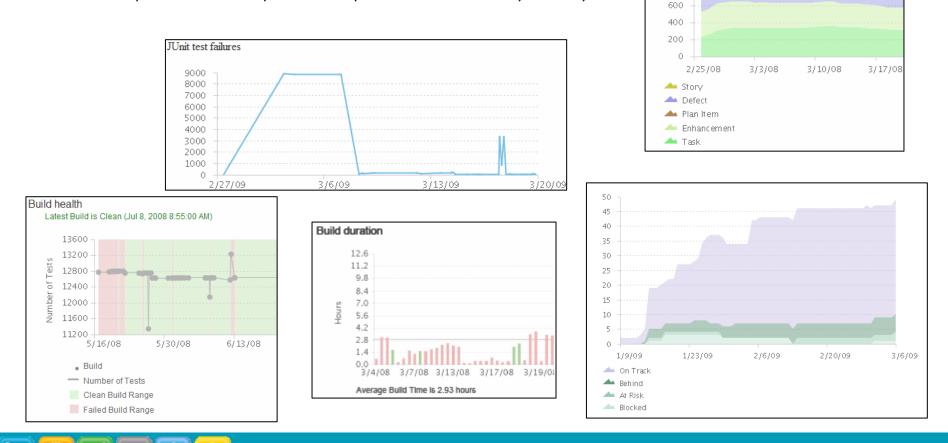
1400 1200 1000

800

### Reports

### Immediate feedback on project trends

#### Builds, work items, defects, source control, tests,





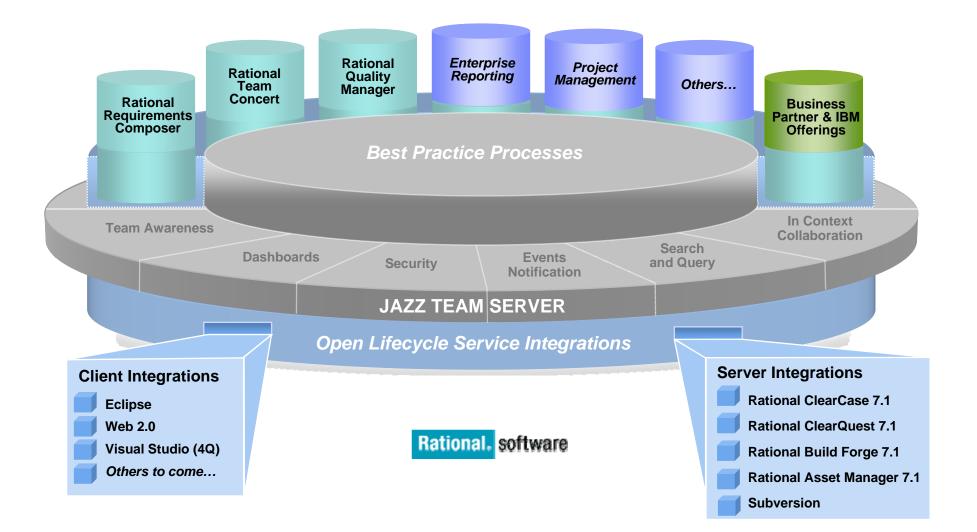
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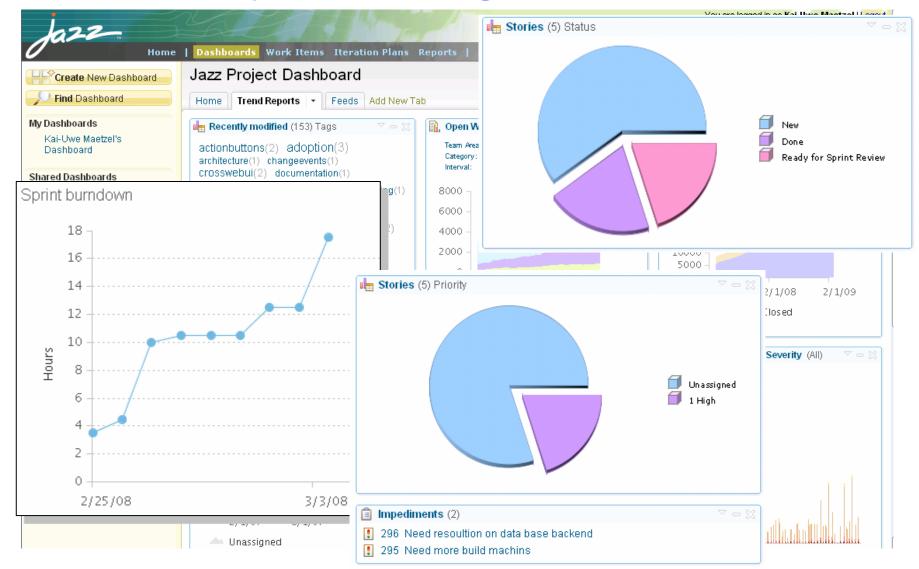
## **JAZZ and Rational Team Concert**





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# **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

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All Project and Team Areas (97 of 125 areas sele			8:1 V->	
Connections				
🖶 💼 Jazz Foundation [jazzdev.torolab.ibm.c	lmc			
🗄 🕞 Plans				
🕀 🙀 Reports				
Gource Control				
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😑 🔞 Rational Team Concert [jazzdev.torolab	.ibm.com]			
🕀 🛱 Builds				
😑 🕞 Plans				
😟 🕞 2.0 M3 [Main Development]				
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	lan [2.0]			
Build 2.0 Release Plan [2.0]				
ClearCase Connector 2.0 R	elease Plan	[2.0]		
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Common CM Service [2.0]				
Common SCM Service [2.0]				
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Process 2.0 Release Plan [2	.0]			
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User Assistance [2.0]				
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### **Release Plan Overview**

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RTC 2.0 Release Plan			- G
See also the <u>Published Release Plan</u> on jazz.net.			2e
Plan is structured as follows:			
<ul> <li>Planned Items: the backlog of plan items sorted by decreasing priority (view as group by folder, user defined sort orde</li> <li>Themes: describes the themes for this release</li> </ul>	er)		
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)			
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### Project Release Plan: Team of Team Release Plan

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eam Area: RTC Development   Iteration: 2.0 (10/27/08 - 6/26/09)  128 Closed  61 Open				
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TC Development				
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🗘 Server performance and scaling data	=2.0 RC4	1/1	🖶 High	625
💭 Provide REST API for work items	== 2.0	0/2	💾 High	625
🖉 RTC client for VS IDE – build, team status view	== 2.0	0/0	💾 High	627
Enable other bundlings of RTC components	== 2.0	1/1	💾 High	625

	Agile Planning Closed Items: 37   Open Items: 2		Progress: 71/	72 pts	E	stimated: 100%
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0	🎉 User can cancel/abandon builds	🚥 2.0 RC1	1 pts	0/0	🖶 High	81487
0	🔎 User can delete a build result	💷 2.0 RC1	1 pts	0/0	🖶 High	78487
0	🎉 User can view extra info about a build, sufficient to analyze build failures	📼 2.0 RC1	3 pts	0/0	🖶 High	77500
0	🎉 User can browse build results by definition	📼 2.0 M2D1	5 pts	0/0	🖶 High	<del>66960</del>
0	📜 User can view the overall build queue for the project area	💷 2.0 M3	3 pts	0/0	🖶 Medium	76683
0	📁 User can list build engines and their status	💷 2.0 M3	1 pts	0/0	🖶 Medium	<del>67156</del>
0	🔰 User can navigate to the web UI for a particular build result	📼 2.0 M2D1	1 pts	0/0	🖶 Medium	<del>66963</del>
0	📜 User can report a new work item against a build result	== 2.0	2 pts	0/0	🛛 Unassigned	76684
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## **Release Backlog**

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aam Area: Jazz Development   Iteration: 2.0 (10/27/08 - 6/26/09)   <u>29 Closed   58 Open</u>	Progress: 0/0   0 h	Estin	mated: 66%
Closed items: 9   Open items: 46	Progress: 0/0 h	Estim	ated: 61%
🗘 Project level read access control	0/0 h	🖶 High	62548
Ø Server performance and scaling data	0/0 h	🖶 High	62550 h
🤣 Recipes for high availability servers	0/0 h	🖶 High	<u>65926</u>
🗘 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	<del>62534</del>
🤣 SCM logical resource support	0/0 h	🖶 High	62533
💭 Common user identity	0/0 h	🖶 Medium	<del>65927</del>
🕨 🤣 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 💌
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# Backlog with Plan Item Preview

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🗘 Support multi-repository dashboards	62556 Tags:	yan 12 ti		progress on tasks by providing
郑 Repository consolidation	65597			Discussion (10 comments; 10
👶 RTC client for VS IDE – build, team status view	62730 Dev St	atus: 😑		Dirk Baeumer, Nov 10, 20
👶 Support planning in web UI	62545 Theme	1	Team First 💌	James, can you add the cl your 2.0 plan? Then we ca
🔅 Improve Scrum support	62525 Priority	: 🗖	High 🗸	work item as committed.
🗳 Provide web UI for builds	62540 DCP B	ica: 🗖	Base Content 💌	□ 2. James Moody, Nov 12, 2 I've extracted work item €
💠 Improve work item customizability	62528 Crosst	eam:		Dirk, could you or someon
👶 More flexible workspace loads	62534 Comple	exity: 🕕	Significant 🗸	work item on exactly what
💠 SCM logical resource support	62533 <u>Owner</u>	<u>By</u> :	Erich Gamma 🛛 🗸	
👶 Common user identity	65927 Planne	d For:	2.0	<ul> <li>3. Julian Jones, Jan 27, 200</li> <li>Any plans to support "plan</li> </ul>
👶 RTC SDK	65924			the context of improved S
💠 SCM: Server operation logging	10100	Informatio bscribers (1)	on 7): AM, BB, BC, CP, DB, GC, GS	⊖ 4. <u>Dirk Baeumer</u> , Jan 27, 20 No, there are no plans to
💠 ClearCase importer			63593, 64125, <b>64126</b> , 64243	planning poker for 2.0.
Improve management of sync streams	02310	ocks (1): 661	117	© 5. <u>Julian Jones</u> , Jan 27, 201
💠 ClearQuest Connector set-up improvements	62517 💌 📩	lated (0)		thanks for the update.
	> <			
scrum				🖉 🗆 • 🛛
view Planned Items Charts Themes				

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### **Plan Item**

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

#### Workflow

- Proposed
- Committed
- Done

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immary: Imp	rove S	crum support	Closed 🔽 🖾 Implemented
<ul> <li>Details</li> </ul>			▼ Description
Type:	ø	Plan Item 💌	Improve Scrum support. We should improve Scrum-style backlog planning where items planned for a release are arranged in priority order, can be
Progress:		Progress: 3/3 h Estimated: 100%	grouped by iterations, and be assigned to sprints/iterations. We should improve tracking of progress on tasks by providing a task board presentation of th work items planned in progress for an iteration. We should also add a release burndown chart. [Theme: Team First]
leam Area:		RTC Development / Rart 🖓	▼ Discussion (14 comments) Add Com
Filed Against:		PMC 🔽 🏹	Any plans to support "planning poker" in the context of improved Scrum support?
lags:			⊖ 4. Dirk Baeumer, Jan 27, 2009, 11:26 PM
ev Status:		On Track 🗸	No, there are no plans to support planning poker for 2.0.
Theme:		Team First 💌	⊖ 5. Julian Jones, Jan 27, 2009, 11:30 PM
			thanks for the update.
riority:		High 💌	⊖ 6. <u>Artem Marchenko</u> , Feb 2, 2009, 10:20 AM Is it possible to make sure #51074 and #55875 are included?
CP Boca:		Base Content 👻	
rossteam:			Real product backlog with history of estimates and real release burndown (based on this history) are important for Scrum users.
omplexity:	()	Significant 🗸 🗸	7. <u>Artem Marchenko</u> , Feb 2, 2009, 10:20 AM work item <u>51074</u> and work item <u>55875</u>
wned By:		Erich Gamma 💌	
anned For:		2.0 RC1	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.
esolution Date:		May 16, 2009 11:55 AM	
esolved By:		Erich Gamma	⊖ 9. <u>Dirk Baeumer</u> , Feb 18, 2009, 12:39 PM R
uick Informa			⊖ 10. <u>Dirk Baeumer</u> , Feb 18, 2009, 12:40 PM
		AM, BB, BG, BC, CP, DB, EG	Assessed Dev. Status: wok is still on track
-		93, 64125, 64126, 64243	I1. 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
Blocks (1): 6			report, renamed Team Velocity to "Estimated vs Actual Work" and renamed "story Points by Iteration" to "Team Velocity" (to be more consistent
Related (1): Mentions (3)		)	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.
J Mendons (5)			
			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 manufale have for DCC (and that a debine of the Commission burnelistic or burded its much them 20002



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### **Release Plan Status Tracking**

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

va - Rational Team Concert - Rational Team Concert			_
Edit Navigate Search Project Run Window Help			
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67653: RTC 2.0 Plan Status Updating - Rational Team Concert 35			-
Task 67653 -		8	🖥 🔒 🕼 🤣 Savi
nary:* RTC 2.0 Plan Status Updating	8 Reopened	×	1
provals			
Approver	State	Due	New Approval
🖯 👸 M1 Status update	✓ Approved	Jan 22, 2009	
🗄 🖌 M2D1 Status Update	<ul> <li>Approved</li> </ul>	Feb 3, 2009	Edit Approval
B 💆 M2 Status Update ∃ 👔 M3D1	✓ Approved	Mar 12, 2009	Add Approver
a 🖌 M3D1	Pending	Apr 2, 2009	Maa Approver
André Weinand	Approved		Edit State
Carol Yutkowitz	() Pending		
8 Chris Daly	() Pending		Remove
Dejan Glozic	() Pending		Add Comment
Dirk Baeumer	() Pending		
Jean-Michel Lemieux	© Pending		
John Vasta	() Pending		
B Nick Edgar	③ Pending		
Rafik Jaouani	© Pending		
<ul> <li>Kaik Jaoualii.</li> </ul>	© Feriding		
ew Links Approvals History			



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### **Dashboard with Plan Item Status**

Dashboard: RTC Development > .	🖸	
Rational Team Concert		Your Trial License expires in 30 days   Erich Gamma   Log Out
lome Project Areas Dashboards	Work Items Plans Reports Admin	Rational Team Concer
📪 - Type to search 🛛 🔍	All Dashboards > Rational Team Concert >	📷 😵 🗖 Auto-save
	RTC Development	
Create Dashboard		Tools Defect Trend Commercian Defect Trends by Briefs, Olecard Deily MOD4, MO Tools 4,04
Recently Viewed		Team Defect Trend Comparison Defect Trends by Priority Closed Daily M3D1, M3 Tests 1.0.1
🙀 RTC Development	2.0 DCP Burndown M3D1 Add New Tab	Add V
🗄 Erich Gamma's	💷 Plan Related Links 💎 – 🖉 🖾	Open 2.0 Plan Items (40) Dev Status
Dashboard	Detailed Release Plan	
My Dashboards	Plan Item Status Description	
🔡 Erich Gamma's	Published Release Plan	On Track
Dashboard	Status Tracking Item	
Shared Dashboards		
🐣 My Profile	📋 Plan Items at Risk (2)	
🝷 🚋 Rational Team Concert	Ø ⇒ 62533: SCM logical resource support	
🙀 Jazz 1.0.1.X	Ø ⇒ 65932: FDCC compliance	Behind
Maintenance	📋 Plan Items Blocked (0)	
▼ RTC Development		
🙀 Work Item	No work items found.	
🔠 All Dashboards	📋 Plan Items Behind (5) 💎 🗆 🖾	Not Started
	< Ø ⇒ 62517: ClearQuest Connector set-up improvements	
	Ø ⇒ 62540: Provide web UI for builds	
	Ø ⇒ 62537: ClearCase importer	
	🗳 🤿 65925: Support 64-bit server environments	At Risk
	$\phi \Rightarrow 62541$ : Work items improve parity between eclipse and web UI	
	📋 Plan Items on Track (29)	0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32
	Ø ⇒ 69063: Move the bundled Eclipse from 3.3 to 3.4	
	Ø ⇒ 73767: ClearQuest Bridge	Plan Items not Started (2)
	Ø ➡ 65933: VMware support	Ø ⇒ 65926: Recipes for high availability servers
	<ul> <li></li></ul>	🗘 🔿 63105: SCM: Server operation logging
	Ø ■ 6057 Obtain quality certification Ø ■ 62543: Web UI for process permission editing	
	Q ⇒ 65934: Accessibility	Deferred items are Plan Items from the backlog that are not in scope for RTC 2.0.
	Ø ⇒ 62531: SCM file locking	
	Ø ⇒ 62546: Complex text enablement	📋 Plan Items Deferred (19)
	Ø ⇒ 71891: Support enterprise license	💭 🛞 62516: Project restructuring on the same and across servers
	Ø ⇒ 65922: Reporting across relationships	💭 🔂 71890: Pre-sales sizing assessment tool
	<ul> <li>Implementation of the second strategy of the second st</li></ul>	💭 😚 65928: Improve remote/WAN performance
		🖉 🛞 62551: Support UI scalability in the face of many projects
	Ø ⇒ 62538: Provide ClearQuest Importer	<ul> <li></li></ul>
	<ul> <li></li></ul>	☆ 중 82551: Support UI scalability in the face of many projects ☆ 중 62539: Support ClearQuest Multisite configurations ☆ 중 62527: Improve approval for change sets
	<ul> <li></li></ul>	<ul> <li></li></ul>



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### **Project Management Iteration Plan**

 Defines mandates from the project management team

Themes

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 Buddy Review Tracking

🔀 🗊 PMC [2.0 M3] - Plan 'PMC - 2.0 M3' 🔭	
R PMC -	<u>ର</u> 🖻 🖻 66° 4]   🗗 😭 🖌 🔗 Save
Team Area: RTC Development   Iteration: 2.0 M3 (3/30/09 - 4/24/09)   <u>15 Closed</u>   <u>3 Open</u>	No Work Estimated
PMC Plan M3D1	
<ul> <li>The Planned Items tab - shows the work items corresponding to the plan view in Group by Team Folders</li> <li>The Component Summary tab provides an overview of the committed deliverables for this iteration.</li> </ul>	
Timelines	
RTC <u>Timeline</u> JF <u>Timeline</u>	
2.0 PMC Mandates Roadmap	
The road map is described <u>here</u>	
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 com     (75402)	
<ul> <li>Ensure that all started adoptions are in a done/done/done state meaning they are implemented, tested and deployed.         <ul> <li>Read Permission Adoption (69524)</li> <li>Enable project areas with no teams (65343)</li> <li>Team areas can exist outside a development line (65330)</li> <li>Enable showing artifacts (builds, plans, streams, etc) in the project area editor (72920)</li> <li>Implement Eclipse 3.3 -&gt; 3.4 (72921)</li> <li>Implement and Test RTC without Build, SCM (64810)</li> </ul> </li> </ul>	
Performance     O Performance work based on the large-scale perfomance testing     O Performance pass to ascertain impact of major changes such as read permissions     Complex text and accessibility enablement	
<ul> <li>Complex text enablement: Change sets from Tod need to be reviewed and delivered by the teams</li> <li>Accessibility enablement: Change sets from Tod need to be reviewed and delivered by the teams</li> </ul>	
<ul> <li>C/ALM         O A list of wishes from C/ALM against RTC can be found <u>here</u>. C/ALM is a joined effort from Jazz Foundation, RC requests from C/ALM.     </li> </ul>	QM, RRC and RTC, RTC. We should address important
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.			
Rational Team Concert			Your Trial License expires in 30 days   Erich Gamma   Log Out   🤅
lome Project Areas Dashboards	Work Items Plans Reports Admin		Rational Team Concert
🎭 - Type to search 🔍	All Dashboards > Rational Team Concert >		📰 🖓 💭 Auto-save 🛛 Sav
Create Dashboard	RTC Development		
Recently Viewed	General     •     2.0 Plan     Open Defects by Themes     Builds     Open Defects by Themes       2.0 DCP     Burndown M3D1     Add New Tab	Defects by Team SVT Defects by Team Defect Trend Comparison D	efect Trends by Priority Closed Daily M3D1, M3 Tests 1.0.1 Add View
Erich Gamma's Dashboard	2.0 Deleges Discoursibilit	🗤 Open Globalization (Must Fix) (6) Filed Against 🛛 🖓 🕾	📋 Approved Team Adoptions (7)
My Dashboards	2.0 Release Plan available	Agile Planning	<ul> <li>              € 69524: Read Permission Adoption      </li> <li>             ₹ 71903: Adopt CSS optimization / modularity system         </li> <li>             € 68988: Removal of "Repository Client" component from             foundation      </li> </ul>
Shared Dashboards	Description RTC Development         ∀ ⇔ ⋈           Umbrella area for all RTC development work	Process	2220: Enable showing artifacts (builds, plans, streams, etc) in the project area editor
My Profile  My Profile  Rational Team Concert  At Jazz 1.0.1.X  Maintenance  Mintenance  At C Development  At Dashboards	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	Visual Studio Client	65343: Enable project areas with no teams     65330: Team areas can exist outside a development line     66185: IFilesystemRestClient API changes for 2.0
	around releases. Each component team that actively contributes to the development work is represented with its own child team area.	Work Items Work Items/Eclips	<ul> <li>Proposed Team Adoptions (1)           Comparison     <li>T2926: Process migration helpers are now keyed to componer models</li> </li></ul>
	The RTC PMC oversees the development work. Team members listed in this team area are working across all component boundaries.	0 1 Image: Accessibility Change Sets Requiring (11) Filed Against ♡ - ∞	🖹 Cross Team Expectations (2)
	Image: Constraint of the second se	Work HemsWeb UI	<ul> <li>61490: Daemon APIs to get/set Jazz Source Control preference</li> <li>63022: Need to identify work items that are resolved invalid and duplicate</li> </ul>
	Work Item Queries         ♥ □ ∠ ∅           Retrospectives (115)         QCert: Open Blocking, Critical Defects (SVT, FVT, Development) (10)	Agile Planning/	Image: StrinkSafe forward reference problem         Image: StrinkSafe forward reference problem      <
	Image: Open Blocker and Critical Defects (31) Filed Against     Image: Open Blocker and Critical Defects (31) Filed Against       Work Items     Image: Open Blocker and Critical Defects (31) Filed Against	Build	<ul> <li>☐ 0 69890: Support sorting by state extension values on a named key</li> <li>☐ 0 70562: Add support for streaming input args for large in lists</li> </ul>
	Source Control Agile Planning JRS Release Enginee	Agile Planning/W 0 1 2 3 4 5 6	<ul> <li>71439: Guard against custom serializers in ItemRenderServic if a specific format is expected</li> <li>70615: Need mechanism to find items where links do not exis</li> </ul>
	Visual Studio Client ClearCase Conne Build ClearQuest Bridge	■ Bi-di Change Sets Requiring Approval (1) Filed Against ····································	

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# More support for Agile at Scale

### RTC Build

- personal builds
- build snapshots
- Buildforge Integration

### Jazz SCM

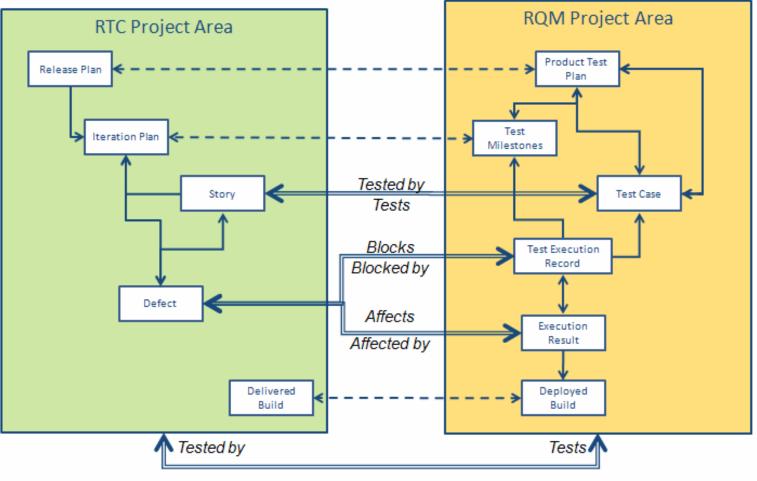
- isolation/integration using stream flow hierarchies => show our flow structure
- private versions for code exploration
- suspend resume for task isolation

### Dashboards

for transparency



## Agile Planning & Collaborative ALM



---- Logical equivalent, not a literal relationship



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# Summary

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



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Agile at Scale: Agile Planning



# **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

- Mike Cohn, Agile Estimating and Planning
- 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-aglobally-distribute-team/