

Name: Sreerupa Sen

**Title: Fast Track your Agile Project
Teams using Rational Team
Concert**



Outline

- What is Rational Team Concert?
- What is Agile?
- Rational Team Concert for Agile Teams

What if...as a developer today...

Everything I need to do my job is in one place at my fingertips

All my code, my tasks, my builds, my to do lists, my plans, my backlog

I know exactly what's going on

Work items and RSS event feeds track everything -- change sets, builds, and approvals

Everyone else knows what's going on (so they can stop bugging me!)

When can I test your fix?

What's your status? When will you be done? Did the plan change?

I can work smarter AND faster

I can fix goofs, juggle tasks, patch in seconds, easily add or remove features.

I can figure out and fix my mistakes AND the “other guy's” mistakes...

I can experiment with new ideas without impacting the rest of the team

What if...as a team today...we could...

Work more like a startup – all in one virtual room?

Our team could collaborate around all development artifacts and events in one place

Automatically keep everyone informed of project status?

Web based dashboards track quality, status, important project updates

Move away from a culture of over committing and under delivering?

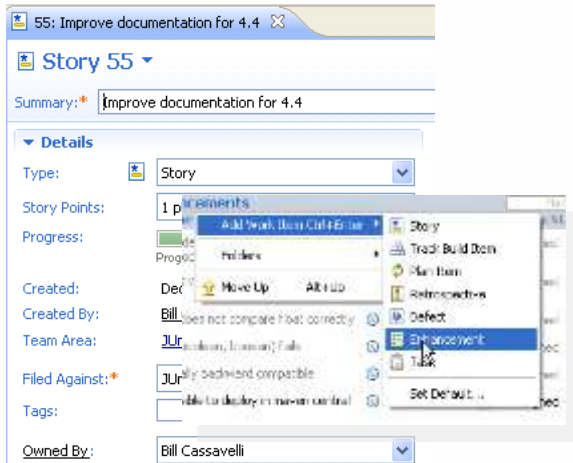
Our team is empowered with data to understand the impact of adding more work.

Transform the way we work so we can adopt rapid release cycles or agile?

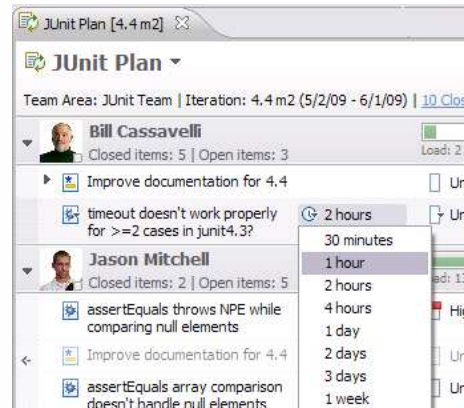
We need tools that help us transform - we need a breakthrough approach, not just another point tool..

Rational Team Concert – All our work ...

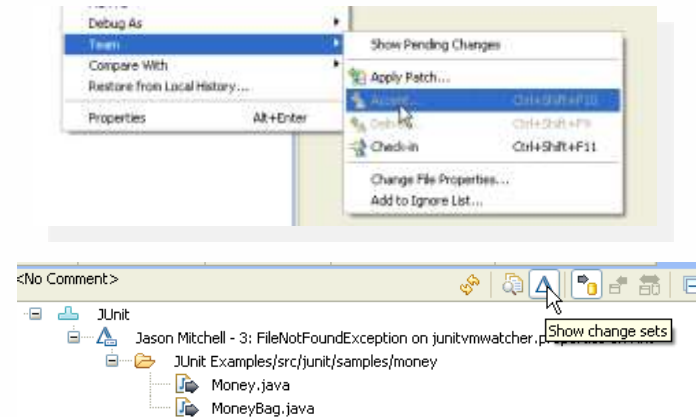
Work Items



Planning



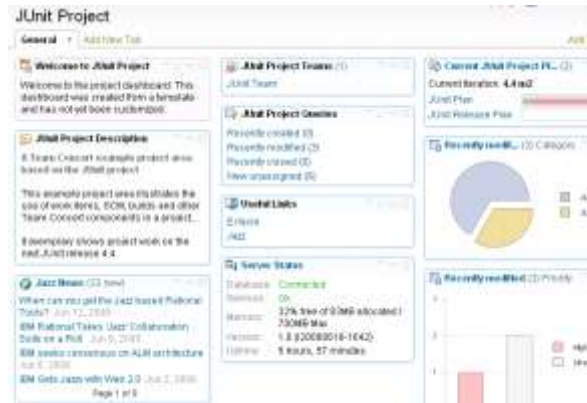
Source Control



Builds – Continuous



Dashboards & Reporting



Process Enforcement and Automation

Problem

A work item must be associated with the change set or a comment must be set.

Reason

All change sets should be associated with a work item which is planned for t

Deliver (Failed)

This makes it e through the it why your chan

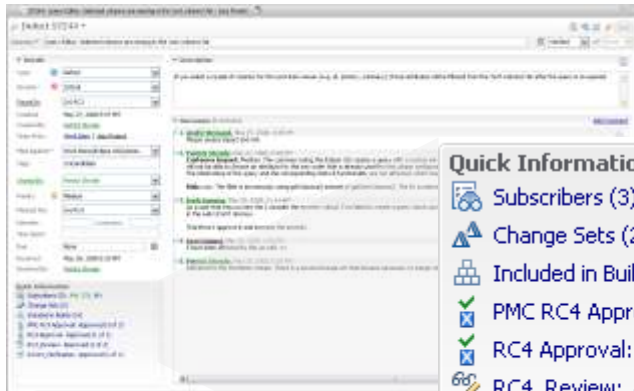
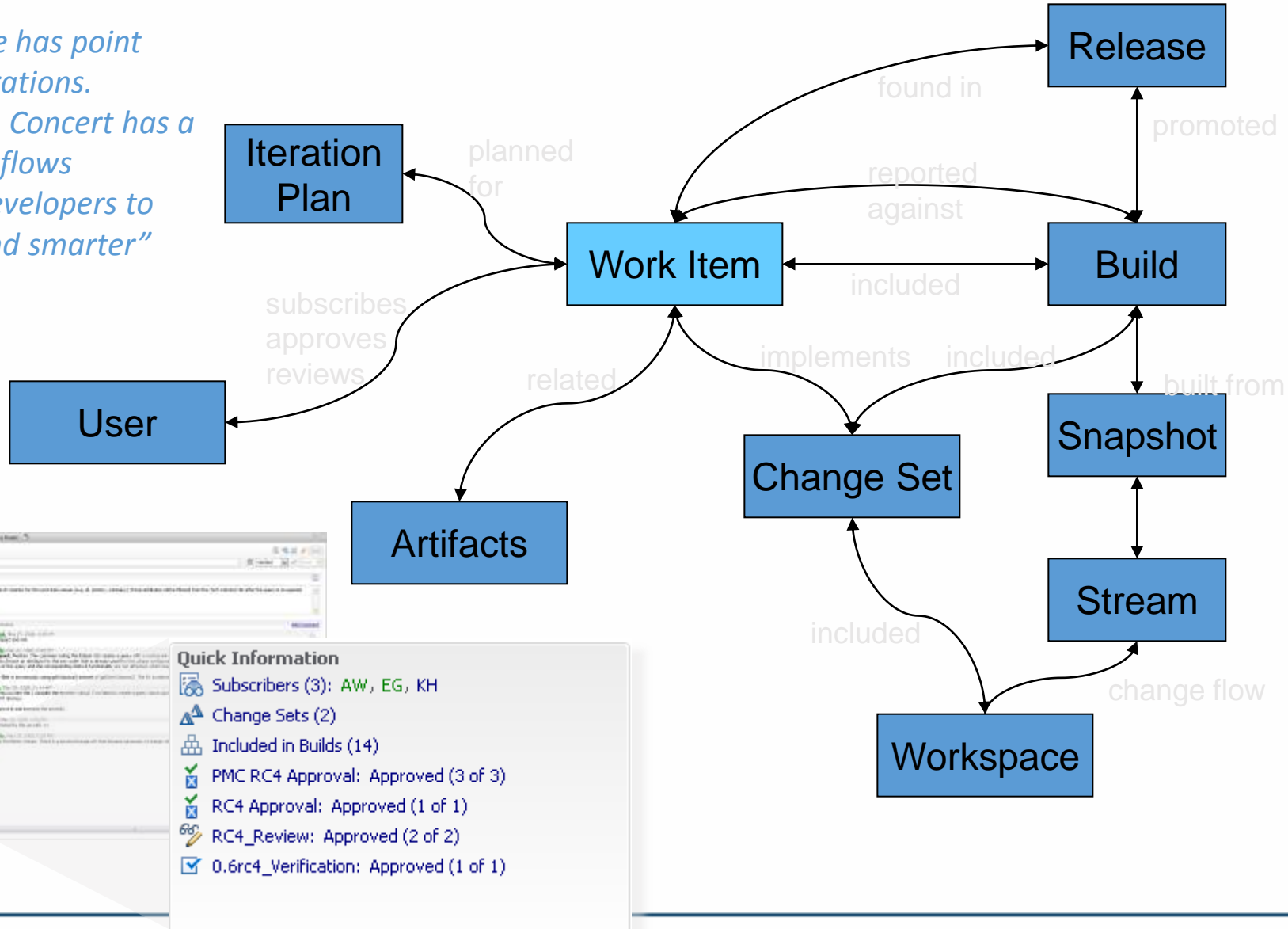
Missing work item or comment

Solutions

- Associate Existing Work Item
- Associate New Work Item
- Associate and Try Again (experimental)
- Override 'Descriptive Change Sets' Precondition

Linked together

“Everyone else has point product integrations. Rational Team Concert has a fusion of workflows that enable developers to work faster and smarter”



Quick Information

- Subscribers (3): AW, EG, KH
- Change Sets (2)
- Included in Builds (14)
- PMC RC4 Approval: Approved (3 of 3)
- RC4 Approval: Approved (1 of 1)
- RC4_Review: Approved (2 of 2)
- 0.6rc4_Verification: Approved (1 of 1)

In one place

Friction-free communication

The screenshot displays the RTC.NET Client interface within Microsoft Visual Studio. The main window title is "RTC.NET Client - Microsoft Visual Studio (Administrator)". The menu bar includes FILE, EDIT, VIEW, PROJECT, BUILD, DEBUG, TEAM, SQL, TOOLS, TEST, RESHARPER, ANALYZE, TEAM CONCERT, WINDOW, and HELP. The toolbar shows icons for Start and Debug.

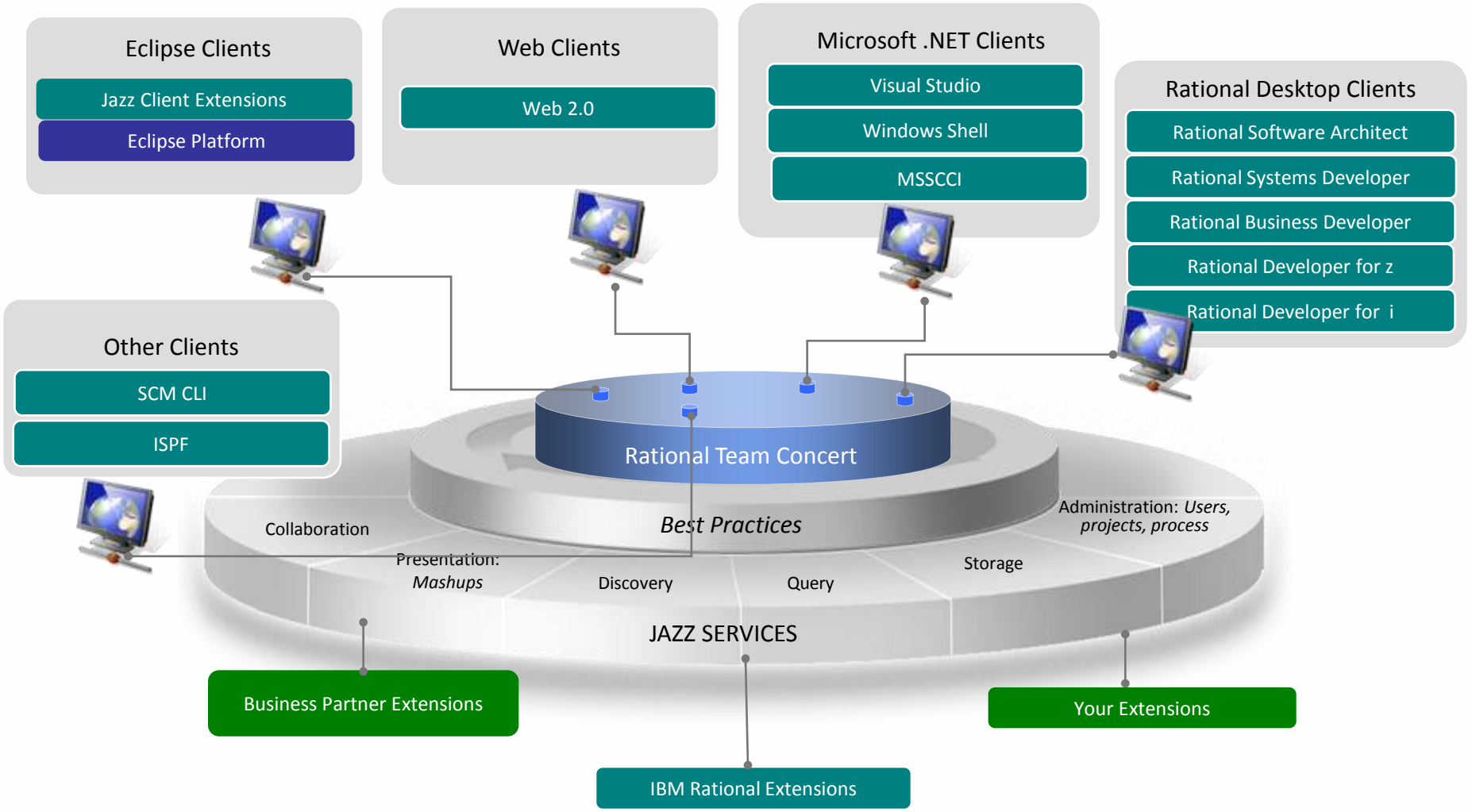
The interface is divided into several panes:

- Server Explorer:** Shows "My Teams in Rational Team Concert" with 271976 items. It displays a list of items, including a notification: "[5] NewCheckInOperation has unused local variable with suspicious name. Potential unanticipated beh ... (279396) 10:30 PM (13 minutes ago)".
- Team Artifacts:** A tree view showing repository connections, favorites, and feeds. The "Feeds" section is expanded, showing "My Teams in Rational Team Concert (238)" and "My Work Item Changes (54)".
- Pending Changes:** Shows 5 incoming change sets. A search bar with the placeholder "<Keyword>" is visible.
- Work Items:** A tree view showing the project structure, including "3rd Party", "BridgeComponents", "Build", "CommonTraceFiles", "Documentation", "Filesystem", and "Incoming".
- My Dashboard:** A bar chart showing work item counts for various categories: Kir... (2), Kri... (3), La... (4), Pr... (3), Pri... (4), Sr... (1), Su... (4), Un... (4), Va... (4).

The bottom status bar shows "Work Items", "Output", and "Pending Changes".

Across any platform

Open, extensible, linked data platform that enables other tools to participate and provides future portability as your platform needs evolve



Visible to everyone

RTC enables “viral visibility” – free read access to web dashboards for ALL users

Story Status Current Iteration

Shows the status of all stories planned for the current iteration



Foundation - Current Stories (61)

- 155918: Provide TVT testcases and testcase updates to TVT team
 - 155399: [Repository - M14] Performance, quality and robustness enhancements
 - 154407: [Continuation] Manage and repair DB (inconsistencies during 3.0.1 M14
 - 155024: Track the fixing of hangs occurring on shutdown of the CLM server
 - 155033: Explore servlet dispatching enablement as a backup option
 - 155030: [Application SDK - 14] Performance, quality and robustness enhancements
 - 155120: LPA Web UI fixes and polish
 - 111848: User can validate consistency of configuration information across contexts
 - 155188: Fix bugs and improve the quality of LPA services
 - 155624: update JREs for 3.0 iFix1 and 3.0.1
- Page 1 of 7

CCM - Story Status (11) Status



CCM - Current Stories (11)

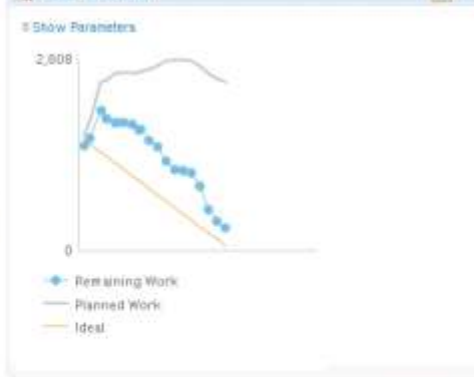
- 150244: address "run as administrator" issues on win7
- 142127: As a user I want to see all extended state groups in taskboards
- 150555: improve the performance of location 3 user form

Burndown Current Iteration

Shows the remaining amount of estimated work in hours of work items planned for the current iteration.



CCM - Burndown



Burndown RM

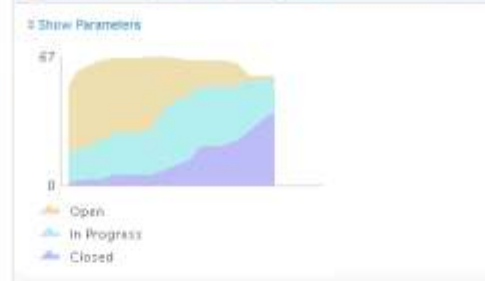


Stories Open/Closed/In Progress

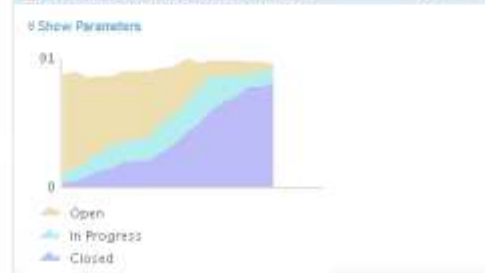
Shows the number of stories which are open, in progress, done during the iteration.



CCM - Stories Open, Closed, In Progress



RM - Stories Open, Closed, In Progress



Outline

- What is Rational Team Concert?
- **What is Agile?**
- Rational Team Concert for Agile Teams

Manifesto for Agile Software Development

We are uncovering better ways of developing software by doing it and helping others do it.
Through this work we have come to value:

Individuals and interactions over processes and tools

Working software over comprehensive documentation

Customer collaboration over contract negotiation

Responding to change over following a plan

That is, while there is value in the items on the right, we value the items on the left more.

Kent Beck	James Grenning	Robert C. Martin
Mike Beedle	Jim Highsmith	Steve Mellor
Arie van Bennekum	Andrew Hunt	Ken Schwaber
Alistair Cockburn	Ron Jeffries	Jeff Sutherland
Ward Cunningham	Jon Kern	Dave Thomas
Martin Fowler	Brian Marick	

What is Agile?

- Agile is **not** about
 - No design
 - No documentation
 - Stand-up meetings
 - Rapid coding
 - Speed of delivery
 - Doing more with less...

What is Agile?

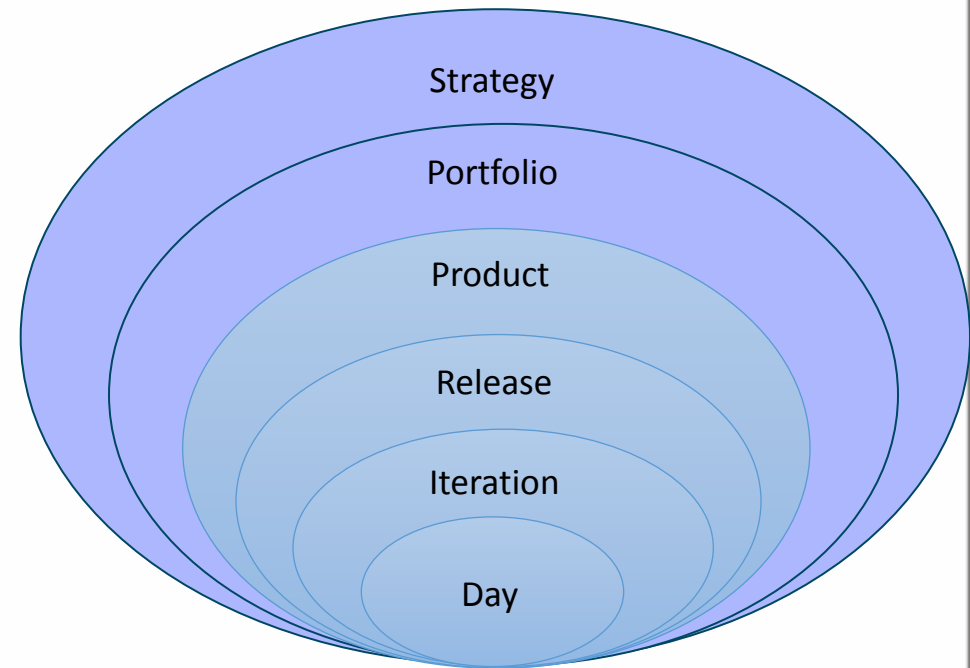
- For every stable development methodology, there need to be checks and balances

What you aim for	How you get to it
<ul style="list-style-type: none">➤ Software that works➤ Is delivered on time➤ Responds to changes	<ul style="list-style-type: none">✓ Iteration and Release Planning✓ Just enough design✓ Evolving processes✓ Continuous integration✓ Test driven development✓ Stakeholder collaboration throughout the cycle✓ End of iteration demos✓ Retrospectives

Start with the Planning...

It's all in the Planning!

- **Strategy** – vision for a business need or direction.
- **Portfolio** – overall product offering that consists of applications and tools and how they integrate.
- **Product** – product vision and the road-map for the product.
- **Release** – prioritized backlog of product features committed to be delivered in a given time period.
- **Iteration** – short, fixed-length subsets of releases, typically 1-4 week time frame.
- **Day** – actions taken in a day to achieve the iteration goals.



In a Development Project the four innermost levels of the planning onion are the most important.

Go Agile!

- Optimize your agile teams through
 - Real-time planning
 - Traceability
 - In-context collaboration
 - Development Intelligence
 - Continuous Improvement
- Get up and running quickly
- Extend as your needs evolve
- **Choose the right tools**

Outline

- What is Rational Team Concert?
- What is Agile?
- Rational Team Concert for Agile Teams

Smart Tools, Winning Teams

- Plan your way
 - Out-of-the-box templates for agile workflows
 - Plans linked to development execution – see immediate impacts of change
 - Not an isolated planning tool
- Track your tasks
 - Smartly linked work items that behave how you want them to
- Be Team aware
 - Day one: up, running, coding, and productive
 - Linked work, enables teams to find, fix and test faster
 - Artifact feeds, make work transparent across teams
 - Live project status: Not manually cobbling bad data from multiple tools



Smart Tools, Winning Teams

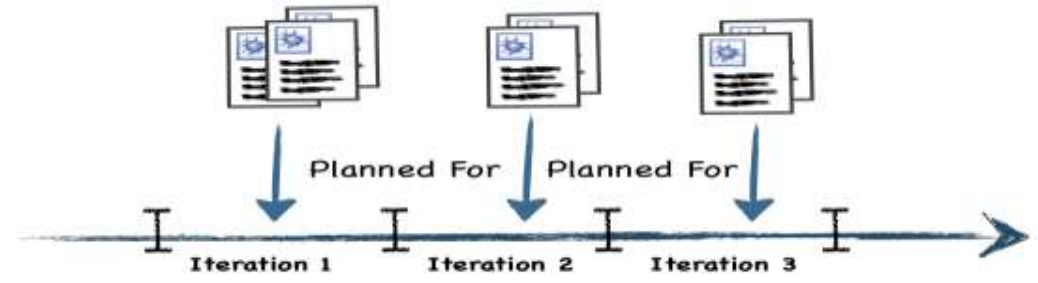
- Process simplified
 - An agile, adaptive process: trained by you
 - Learn, Adapt, Reflect, Change
- Manage your sources
 - Create, undo, share, update, review, suspend, resume, patch
- Keep builds healthy
 - Build continuously, at multiple levels, with the technology of your choice
- Build, deploy, test, fix
 - Continuous integration
- Dashboards for status
 - Easy-to-create, web-based dashboards



Planning (and Tracking) in RTC

- Plans are at the heart of an agile process
- The product lead works on the **product backlog**
 - Business stakeholders, market direction
- At every release, feature teams work on the prioritized items of the ranked product backlog.
 - **Release planning**
- At every milestone, the feature team lead creates a **sprint plan**.
- Every day, developers work off their personal work views
 - **My Work, My Dashboard**

Rational Team Concert (RTC) Plan Definition



Work item summary
Defect, Enhancement, Task, Story, ..

Task 169 - javadoc updates for @ignore in 4.3

Summary: javadoc updates for @ignore in 4.3

Details:

- Type: Task
- Filed Against: JUnitFramework
- Project Area: JUnit Project
- Creation Date: Mar 31, 2012 8:04 AM
- Created By: Rick Yuert
- Tags:
- Owned By: Markus Kent
- Priority: Unassigned
- Planned For: -> 4.4 s2
- Estimate: 1 h | Correction
- Time Remaining:
- Due Date: None

Description:

The javadoc of @ignore annotation needs to reflect the fact that @ignore can now be used to ignore entire test classes. Added a patch with a possible update of javadoc.

Discussion (1 comment):

- 1. Markus Kent, Mar 31, 2012, 7:17 PM: Good catch. Thanks for the patch.

Category

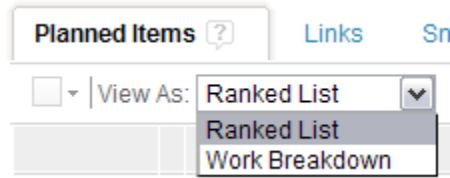
Planned For

Working on the ... Product Backlog

- Prioritized feature list

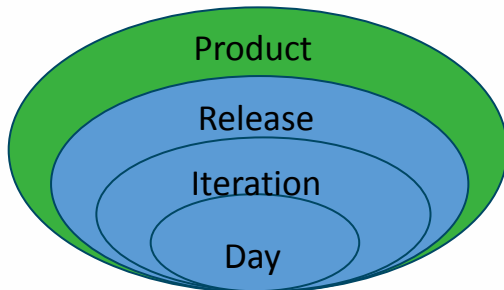
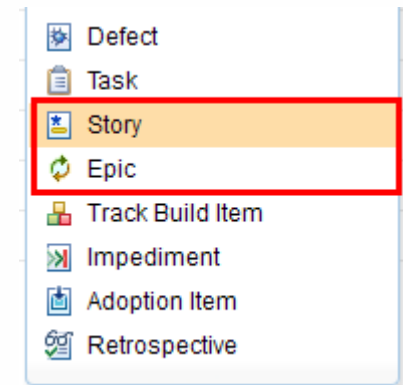
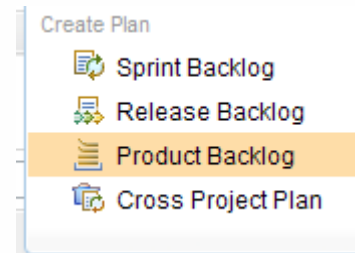
- **Plan Views**

- Ranked List
- Work Breakdown



- **WorkItem Types**

- Plan items: Work items that are relevant for planning. Ex: Epics, Stories, etc.



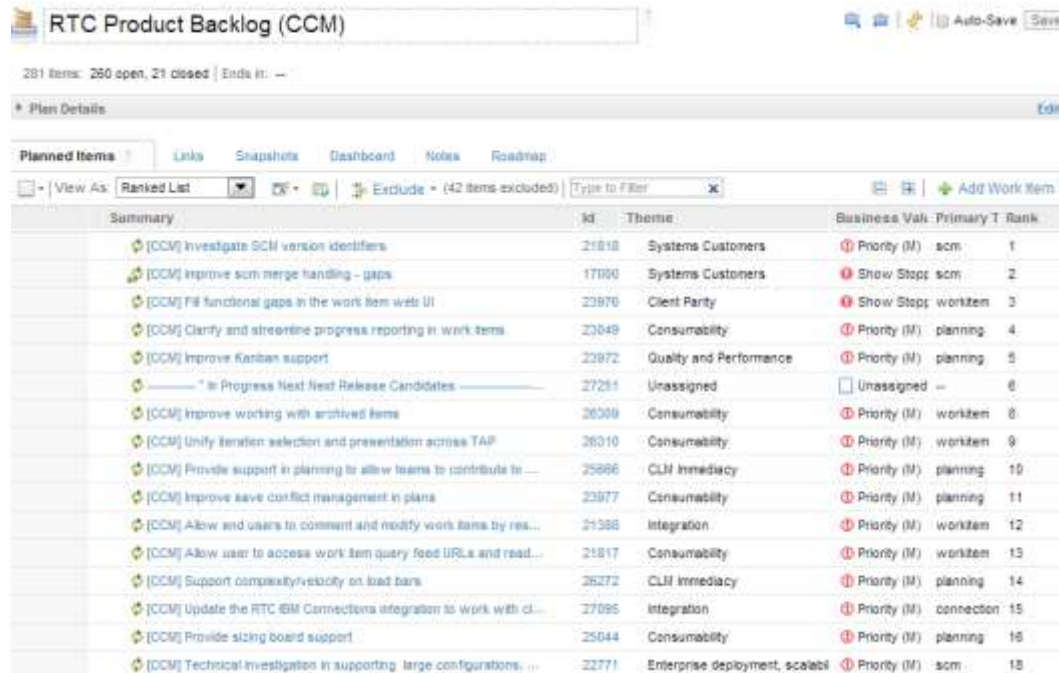
- **Reports**

- How your product backlog is evolving?
- How many items are there on the product backlog?
- Can we find out how long it would take to complete the product backlog?

- **Top down Planning**

Managing the Product Backlog

- High-level plan that contains stories not planned for any release or iteration yet
- Targeted for the iteration marked as **Backlog Iteration**
- **Prioritized** feature list based on risk, business value, etc.



RTC Product Backlog (CCM)

281 items: 260 open, 21 closed | Ends in: --

Plan Details

Planned Items

View As: Ranked List

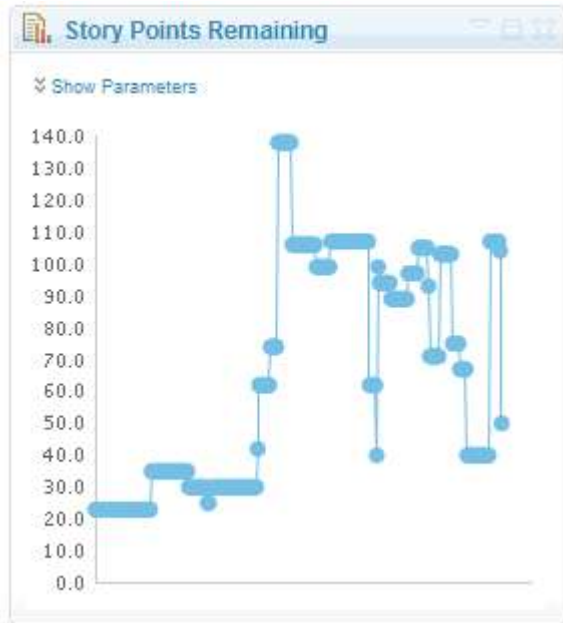
Exclude: (42 items excluded)

Summary	ID	Theme	Business Val.	Primary T-Rank
[CCM] Investigate SCM version identifiers	21818	Systems Customers	Priority (M)	scm 1
[CCM] Improve scm merge handling - gaps	17090	Systems Customers	Show Stop	scm 2
[CCM] Fill functional gaps in the work item web UI	23870	Client Parity	Show Stop	workitem 3
[CCM] Clarify and streamline progress reporting in work items	22049	Consumability	Priority (M)	planning 4
[CCM] Improve Kanban support	22972	Quality and Performance	Priority (M)	planning 5
----- " In Progress Next Next Release Candidates -----	27281	Unassigned	Unassigned	-- 6
[CCM] Improve working with archived items	26509	Consumability	Priority (M)	workitem 8
[CCM] Unify iteration selection and presentation across TAP	26010	Consumability	Priority (M)	workitem 9
[CCM] Provide support in planning to allow teams to contribute to ...	25886	CLI/ Immediacy	Priority (M)	planning 10
[CCM] Improve save conflict management in plans	23977	Consumability	Priority (M)	planning 11
[CCM] Allow end users to comment and modify work items by res...	21588	Integration	Priority (M)	workitem 12
[CCM] Allow user to access work item query feed URLs and read...	21817	Consumability	Priority (M)	workitem 13
[CCM] Support complexity/velocity on load bars	26272	CLI/ Immediacy	Priority (M)	planning 14
[CCM] Update the RTC IBM Connectiva integration to work with cl...	27095	Integration	Priority (M)	connection 15
[CCM] Provide sizing board support	25044	Consumability	Priority (M)	planning 16
[CCM] Technical investigation in supporting large configurations, ...	22771	Enterprise deployment, scalabi	Priority (M)	scm 18

- Plan items – include only non execution items such as Epics and Stories
 - **Customize** with themes, business value, etc
 - Define the **Done** Criteria
- **Sizing** in Story points - rough estimates based on complexity and development effort
- **Ranking** - ensure that the most valuable functionality is delivered first

Managing the Product Backlog

- Progress on Product Backlog
 - **Story Points Remaining**



- **Open Vs Closed Work items**

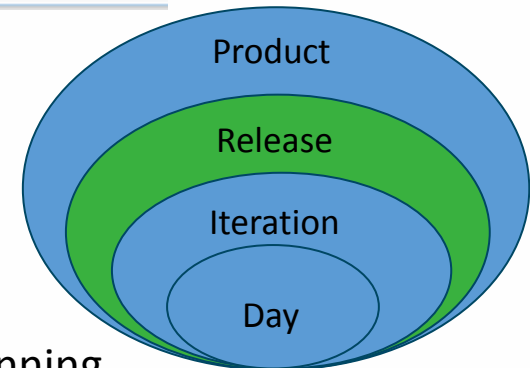
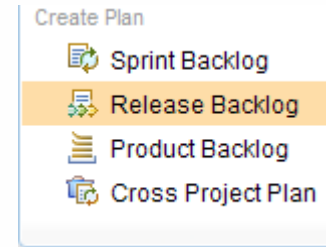
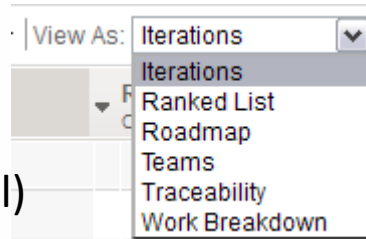


Working on the ... Release Backlog

- Planned/Committed features for the release of the product

- **Plan Views**

- Iterations
- Ranked List
- Roadmap
- Teams
- Traceability (optional)
- Work Breakdown



- **Work Item Types**

- Plan items: Work items that are relevant for the planning.
Examples: Stories

- **Reports**

- Team Velocity
- Release Burndown

- **Top down Planning**

Managing the Release Backlog ...

- Overview of all sprints in the release

RTC 4.0.5 Release Plan Auto-Save Save

39 items: 39 open, 0 closed | Ends in: 52 days

Plan Details Edit

Planned Items Links Snapshots Dashboard Notes Planning Call Notes Release Blog

View As: Milestones Add Work Item

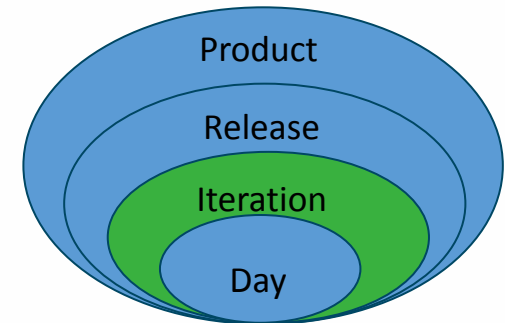
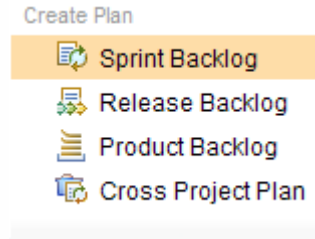
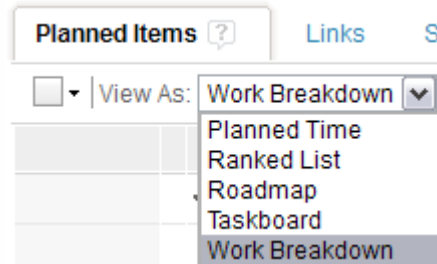
Summary	Id	Theme	Business \ Primary	Owned By
[CCM] Support Remote Projects on zOS to enable RD...	261620	EM Customers	Show St scm	Darcy Wiborg Weber
[CCM] Merge Gaps 3 : Provide initial workflow to mitig...	249763	Systems Customers	Show St scm	Darcy Wiborg Weber
[CCM] As a user I want to be able to sign off using el...	242131	Client Parity	Priority (l vs	Sreerupa Sen
[CCM] Usability improvements in the SCM CLI	272065	Consumability	Priority (l scm	Sreerupa Sen
[Investigation] [CCM] Investigate Promotion - option to perform d	258088	EM Customers	Show St promotior	Nicolas Dangeville
[CCM] Dependency build - Performance enhancement...	257513	EM Customers	Priority (l eebuild	Nicolas Dangeville
[CCM] We need to replace the cURL code in the ISPF ...	270747	EM Customers	Tactical l ispf	Nicolas Dangeville
[CCM] Certificate and smart card authentication in CAS	213863	Enterprise deployment, scalat	Priority (l rtc	Nicolas Dangeville
[CCM] Improve jazz hub connection experience for ri...	272831	Expanding CLM	Priority (l client	Sreerupa Sen
[CCM] Design SDK API	272836	Expanding CLM	Priority (l rtc	Sreerupa Sen
[CCM] Process customization For Work Items operatio...	213889	Client Parity	Priority (l rtc	Sreerupa Sen
[Investigation] [CCM] Investigate improvements to Git Adapter	272838	Expanding CLM	Priority (l rtc	Sreerupa Sen
[Investigation] [CCM] Continue technical investigation of how w	274880	Consumability	Priority (l build	Nick Edgar
[Investigation] [CCM] Continue investigation / prototyping of auto	274938	Enterprise deployment, scalat	Priority (l build	Nick Edgar
[CCM] Improvements to line ending handling, part 2	274993	Systems Customers	Tactical l scm	Darcy Wiborg Weber
[CCM] Change set refactoring to better support varia...	274994	Systems Customers	Priority (l scm	Darcy Wiborg Weber

Working on the ... Sprint Backlog

- Tasks planned for the iteration

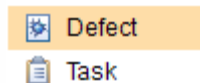
- **Plan Views**

- Planned Time
- Ranked List
- Roadmap
- Taskboard / Kanban
- Work Breakdown



- **WorkItem Types**

- Execution items: Work items which have work assigned.
Examples: Task and Defect.



- **Reports**

- Sprint Burndown

Estimated hours required to complete remaining work items.

Planning a Sprint

- Focus on **Execution**: large stories broken down into smaller sub-stories and execution items
- **Fine grained**: Estimation of effort: typically estimated in **Ideal Hours/Days**
- **Custom view**: Can the execution task relate to the **business value** expressed on the product backlog?
- **Estimates** are important

Planned Items ? Links Snapshots Dashboard Notes

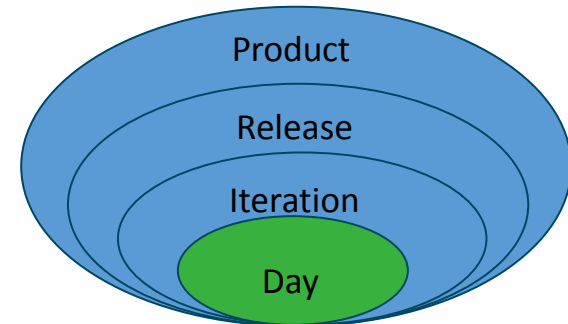
View As: Work Breakdown ▼ | Type to Filter

Add Work Item ▼

Summary	Effective Estimate	Business Value	Rank
As a user I want my phone to call someone randomly	--	Priority	1
Implement a function that selects someone from my contact list	2 days	--	2
Implement a user interface that presents the chosen one	1 day	--	3
As a user I want to be able to skip a randomly propose contact	--	Tactical Need	4
Implement user interface to skip a proposal	2 days	--	5
Design an icon for the user interface	2 days	--	6

A Day in the Life of an RTC Developer

- **My Work View:** Developers plan their assigned work and adjust estimates
 - Managing new work
 - Managing current work
 - Managing future work
 - Work Load
 - Find, filter, and colorize planned work items



- Daily **Stand ups:** Developer **Task board** view to see what people are working on.
- **Planned Time:** Developers sort the work items in the order in which they intends to work on them
- **Bottom Up** Planning

My Work View / My Dashboard View

Team Artifacts | Team Dashboard | My Work | Team Organization

Inbox (Rational Team Concert) (12 new items)

To get started, we recommend you to [accept all work](#) from your inbox. Open My Work view [Help](#) to learn more.

- [CCM] Improve jazz hub connection experience for rich clients. 272831. Status: Unassigned. Component: Windows Shell.
- A cross-component move from the RTC menu should be tracked as a move, rather than a delete/add. 258652. Status: Unassigned. Component: Windows Shell.
- Improve VS load wizard, using UX team's design. 219255. Status: Backlog. Component: Visual Studio Client.
- RTC_Shell_Client: We should have a clear history option with creating the connecting to Jazz Repository. 212035. Status: Backlog. Component: Windows Shell.
- Improve UI portion of "Patterns" on the dialog "Add to Ignored List". 192113. Status: Backlog. Component: Windows Shell.

Current Work (Rational Team Concert) (1 unread item)

Today (1 items)

- cannot accept changes from a work item in the shell client. 214863. Status: Unassigned.

Future Work (Rational Team Concert) (154 unread items)

4.0.2 (2 items)

- [Backport] Losing selection in Manage Connected Project: Areas after scrolling. 237278. Status: Unassigned.
- [Backport] Full sandbox refresh happens on pressing Checkin-all button (backport from 4.0.1). 234504. Status: Unassigned.

4.0.3 (1 items)

- Provide the first round of inputs for the PRT team. 255246. Status: Unassigned.

4.0.5 M1 (2 items)

- Windows shell crashes when trying to connect to project areas during creation of workspace. 263807. Status: Unassigned. Priority: 3d.
- Icons and menu items do not work correctly in the shell for hidden changes. 212466. Status: Unassigned. Priority: 2d.

My Dashboard

Event Log

- MS-SCCI "check out" fails with "The file was already been ch...
- Issues found with MSSCCI Client-ASCET Integration (27568E...
- [3] SCM : Tracking 4.0.5 M1 (274975) 12:45 AM (12 minute...
- [3] SCM : Tracking 4.0.5 S2 (279606) 12:45 AM (12 minutes...
- David Lafreniere delivered '276934: Perform sanity pass on t...
- Solaris makefiles use old compiler flags that no longer work...

My Current Work

- Rational Team Concert [jazzdev.torolab.ibm.com]
 - 214863: cannot accept changes from a work item in t...

My Future Work

Pending Approvals

- 4.0.1 RC1
 - 236499: Deliver issues in the shell context men...
 - 211384: After accepting a changeset that unigr...
- 4.0.4 RC1
 - 271739: Vertical scroll bar is absent in Pending...
- 4.0.5 M1

Pending Requests

Open Defects .NET Clients

Bar chart showing the number of open defects for various team members:

Team Member	Number of Open Defects
Kira...	2
Kris...	15
Laks...	16
Prab...	3
Priy...	4
Sree...	7
Sury...	1
Una...	11
Van...	4

Daily Planning – stand-ups

- **Taskboard view:**
 - Shows plan items in the left column and execution items in the state group columns.
 - Visualize the progress of the stories and their children.
 - Ability to adjust the state quickly with drag and drop from this view.
 - Color tags can be used to show the state of the plan items.

The screenshot displays a Jira Taskboard interface. At the top, there are navigation tabs: "Planned Items", "Links", "Snapshots", "Dashboard", and "Notes". Below these is a "View As" dropdown set to "Taskboard" and a search bar labeled "Type to Filter". On the right, there are icons for "Add Work Item".

The main area is a grid with four columns: "Story", "Open", "In Progress", and "Resolved".

- Story column:** Contains three items: "Donor Dividend Allocation" (green), "Frequency of dividend transfer" (yellow), and "Requests sent in form of email" (yellow).
- Open column:** Contains two items: "Implement - Donor Dividend" and "Implement - Frequency of dividend" (both teal).
- In Progress column:** Contains two items: "Implement - Requests sent in form of" and "Implement - Organization must identify" (both teal).
- Resolved column:** Contains two items: "Implement - Organizations may apply" and "Implement - Customers can Nominate" (both teal).

At the bottom, there are filter controls. Two red arrows point from the "Donor Dividend Allocation" and "Frequency of dividend transfer" items in the Story column to the filter controls. The controls include "Colors" dropdowns, "Stories" dropdowns, and text input fields. The first filter is set to "type:Story state:'In Progress'" and the second to "type:Story state:'New'".

Defining an Adaptive, Agile Process

Process Rules!

- Teams work on projects
 - each project follows a **process**
 - different processes for different projects
- Process manifested through:
 - artifact types and their states
 - preconditions and follow-up actions on operations manipulating artifacts
 - artifact change events
 - roles and permissions
- Described with **Process templates**
- Process can evolve as project progresses
- **Automatic Process enforcement!**

Actions	Everyone (default)	Product Owner	ScrumMaster	Team Member
Dashboards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Save Personal Dashboard (server)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Save Project Dashboard (server)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Item Connectors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Delete Synchronization Rule Info (server)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Save Synchronization Rule Info (server)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Process	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Save Project Area (server)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Work Items	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Save Attachment (server)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Save Category (server)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Save Release (server)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Problem
A work item must be associated with the change set or a comment must be set.

Reason
All change sets should be associated with a work item which is planned for the current iteration.

This makes it easier for the team to track its progress through the iteration and why your changes were

Solutions

- [Associate Existing Work Item](#)
- [Associate New Work Item](#)
- [Associate and Try Again \(experimental\)](#)
- [Overrule 'Descriptive Change Sets' Precondition](#)

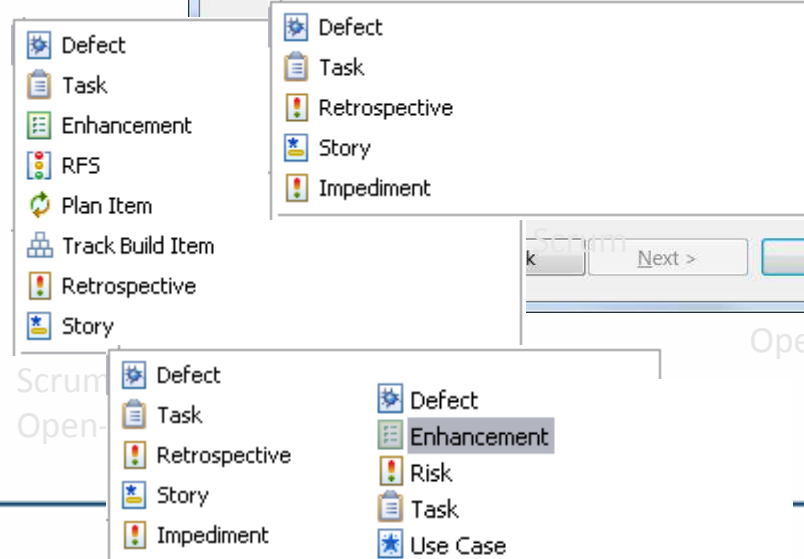
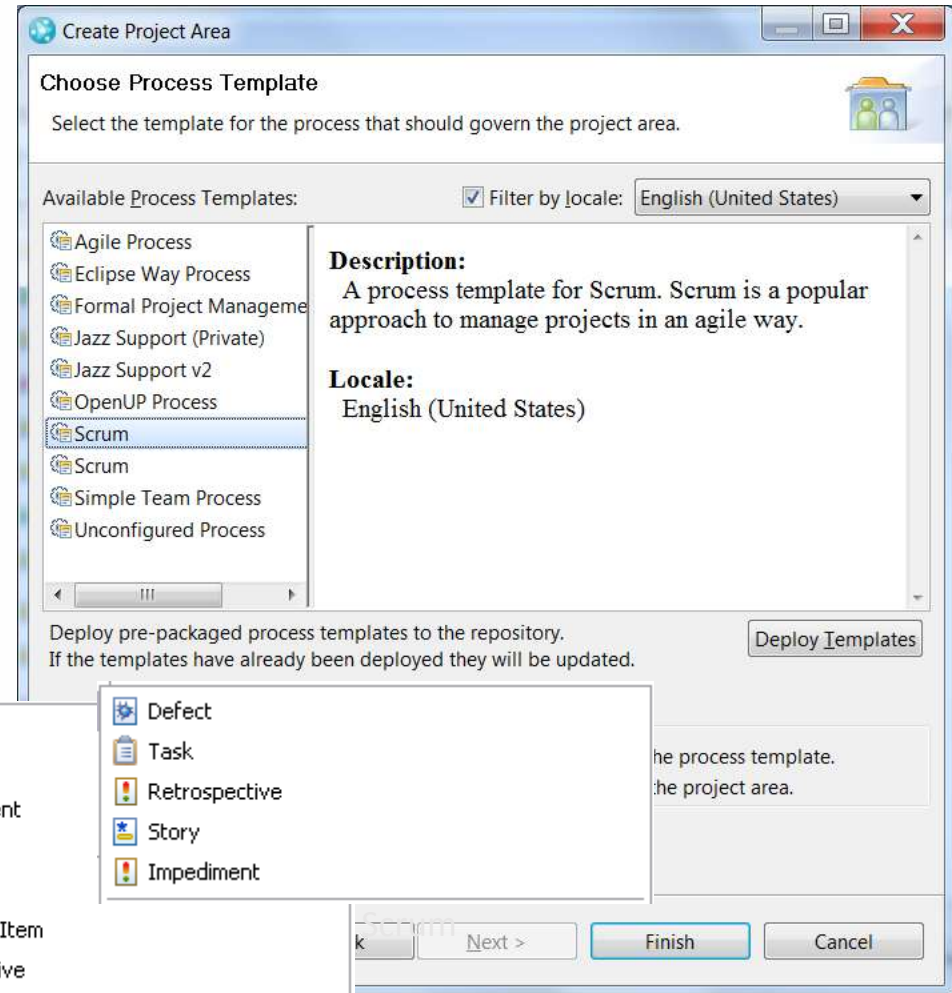
Deliver (Failed)

Missing work item or comment



Process Templates

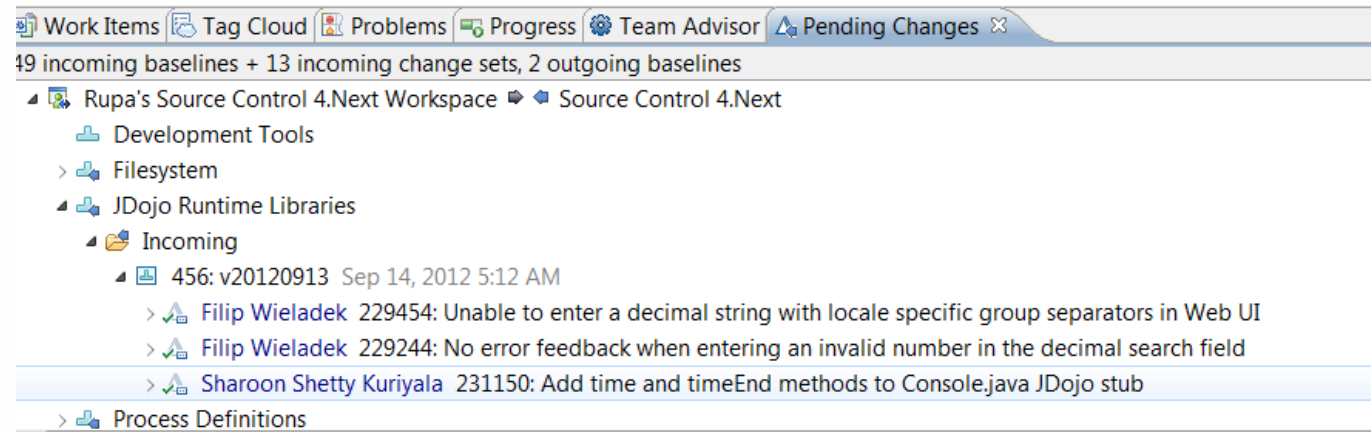
- Different agile templates available:
 - Agile
 - Scrum
 - OpenUP
 - Eclipse Way
- Agile process specific work item types
- Process can be tweaked at any time



OpenUP

Parallel Development with SCM

- RTC SCM supports several levels of parallel development
 - Team Stream on Server
 - Personal Repository Workspace on Server
 - Sandbox, locally on Client system
- Collaboration based on Change sets:
 - Between Team Stream and Personal Workspace
 - Between sibling Personal Workspaces
- Traceability
 - Change sets get attached to work items
 - Get included in builds
 - Reviews
 - Locate, Search

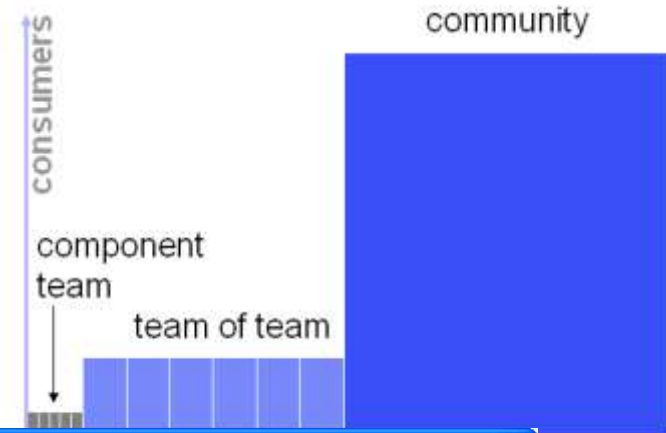


Isolation Levels – Isolate Work not People

- Repository workspaces – Provides **individual** isolation
 - You don't have to make your changes visible to the team to:
 - Backup or use the repository features.
 - Collaborate on a change with someone else
- Streams – Provides **team** isolation.
- Suspend and Resume – Provides **task** level isolation for personal work.
- Team areas – Provides **process** isolation.

Continuous Integration with builds

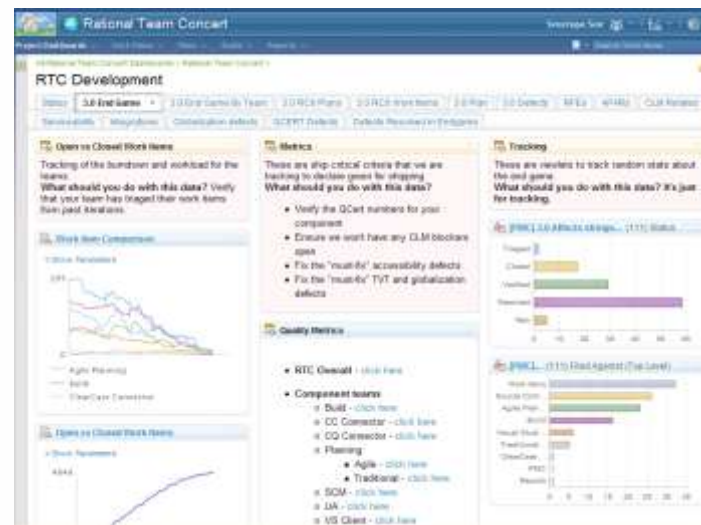
- Team of Team
 - Scheduled integration builds
 - Cross-component
 - Continuous integration builds
- Each Team
 - Continuous builds
 - Always green
- A Developer
 - Personal builds
- Unit tests



The image shows two overlapping windows from a build management system. The top window is titled 'Request Build' and contains the following text: 'Request that a build be executed on the first available build engine.' Below this is a text field with the value 'integration.3.0.rtcnet.ifix1' and a 'Browse...' button. There are expandable sections for 'Build Options' and 'Build Properties'. At the bottom are 'Submit' and 'Cancel' buttons. The bottom window is titled 'Build integration.3.0.rtcnet.ifix1 130IFix1_20101123-0530' and shows a 'Completed' status. It includes a 'Contribution Summary' with links for 'Changes', 'Downloads', 'Logs', and 'Repository Workspace'. It also has a 'Reported Work Items' section with a 'None reported' message and a 'General Information' section with fields for 'Requested by', 'Build Definition', 'Build Engine', 'Build History', and 'Tags'. A 'Deletion allowed' checkbox is checked.

Transparency with Feeds, Dashboards, Reports

- Team event notifications
 - Build events
 - Source Control changes
 - Work item changes
 - Team Process changes
- Dashboards
 - Live project status
 - For all stakeholders
- Reports



Retrospectives

- Teams reflect on what worked and what didn't
- How to tune the process
- PMC retrospective summarizes team retrospectives
 - Defines actions for the PMC

Retrospective 270291 Finished

Summary: (NET Clients, CLI, L3 in ISL) RTC 4.0.3 GA and 4.0.4 M1 and other-work-in-the-same-period Retrospe

Details

Type: Retrospective

Creation Date: Jun 24, 2013 11:06 AM

Created By: [Sreerupa Sen](#)

Team Area: [RTC / PMC \(Private\)](#)

Filed Against: RTC

Owned By: [Sreerupa Sen](#)

Planned For: RTC 4.0.4

Due Date: None

Resolution Date: Jun 24, 2013 5:28 PM

Resolved By: [Sreerupa Sen](#)

Agenda

Goals

- * Reflect on RTC 4.0.4 M1
- * Consider what the team accomplished

Summary

What worked well?

- CLI and VS almost at par with each other now for merge gaps.
- CLI zOS issues fixed and it's working. Help from z team appreciated.
- version scan fixes on a daily basis for RTC helped RelEgg.
- [Dashboards](#) and [scrum](#) meetings suggested for global the release engineering is a great idea. I be live [scrum](#) - so many be [scrum](#) of [scrums](#) needed?
- [Wiki](#) creation in progress on VS build automation.
- The reporting development team is very helpful to L3.
- Automated testing work went according to plan. Helped us catch some bugs. We implemented

Quick Information

[Overview](#) | [Discussion](#) | [Links](#) | [History](#)

Best Practices for Agile Delivery

- Work off of a common backlog
- Have 3-6 week iterations
- Maintain one base for all your source code
- Update your work items regularly
- Automate the build
- Self-testing builds
- Commit often
- Keep your builds fast
- Upload your executables as build artifacts
- Make it transparent

QUESTIONS

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