

Drinking Our Own Champagne: Rational Requirement Composer RDM-1202A

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IBM Rational Software



Innovate2010

The Rational Software Conference

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Purpose

- This session will show how the Rational Requirements Composer development team used the Collaborative Application Lifecycle Management jazz products to specify, analyze, design and implement a key feature of RRC version 2, and how we are using that feature in developing the next version. It will focus on use of RRC itself and include a discussion of benefits to the team.

- Plus (we hope)
 - ▶ Give you a vision of how IBM Rational® Requirements Composer (RRC) can improve team performance and project outcomes
 - ▶ Show you a “real” usage model that is improving the product
 - Rational “Drinking our own Champagne!” Campaign
 - ▶ Get you thinking about how you and your teams can benefit from RRC



The usual disclaimer

- This presentation refers to features under development
- Plans are based on best information available and may change in the future
- Don't make purchase decisions based on features not currently in generally available releases.



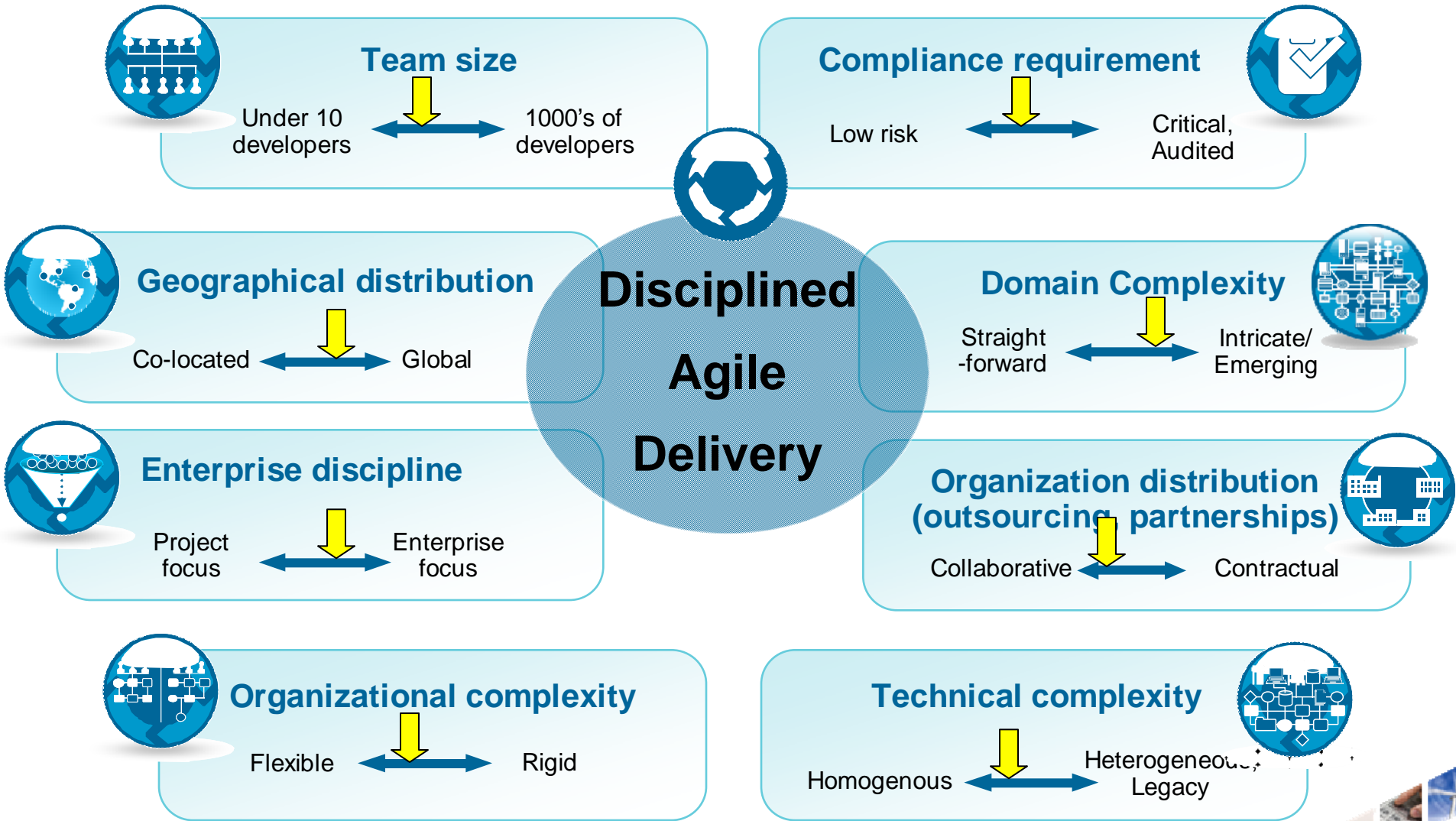
Information

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Some Familiar Situations... we face them too !!



IBM agility@scale™ – our team self-assessment



RRC Development Team for V2



Ottawa, Canada
Architect, Developers
Graphic artist

Lexington, MA
Developers
UX

United Kingdom
Stakeholders

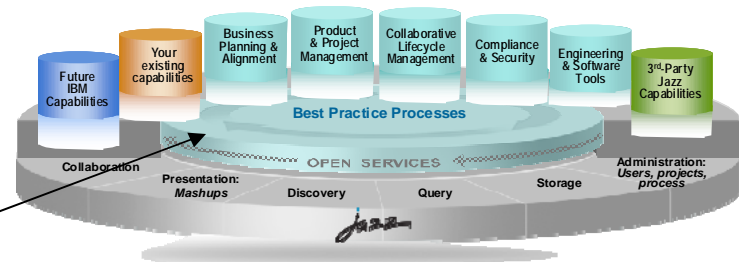
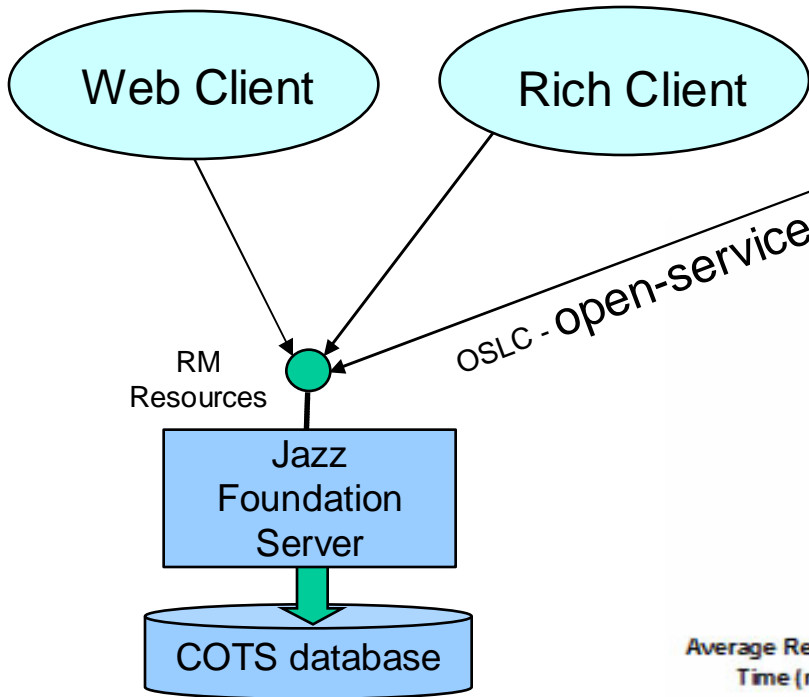
Various Locations
Developers
Solution Architect

Raleigh, NC
Developers, Doc team
Product managers
Testers, UX

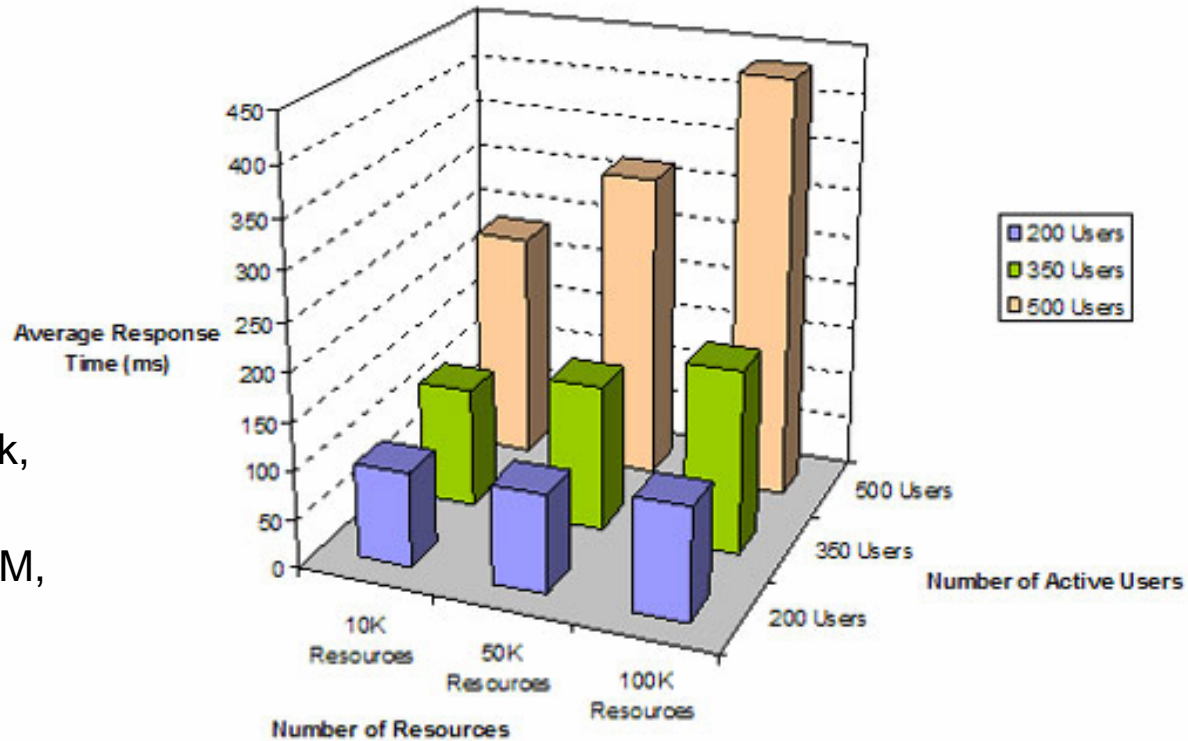
Mexico
Build
Testers



Our Architecture



Repository Sizes vs. Users

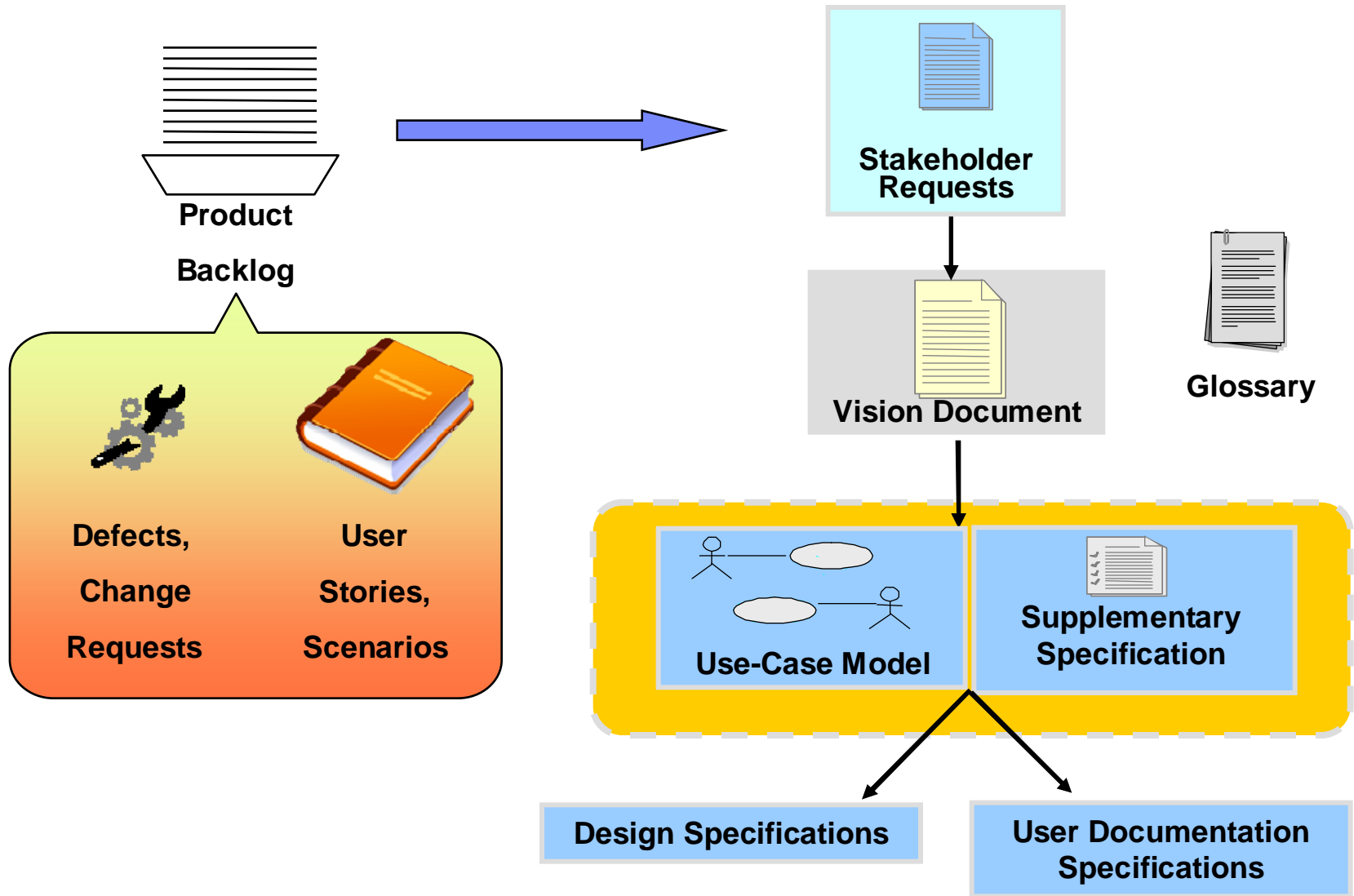


- Server in Research Triangle Park, NC, USA
- Intel Core2 2.66Ghz, 4GB of RAM, Windows 2008 server
- Using Tomcat
- Using separate AIX DB2 server

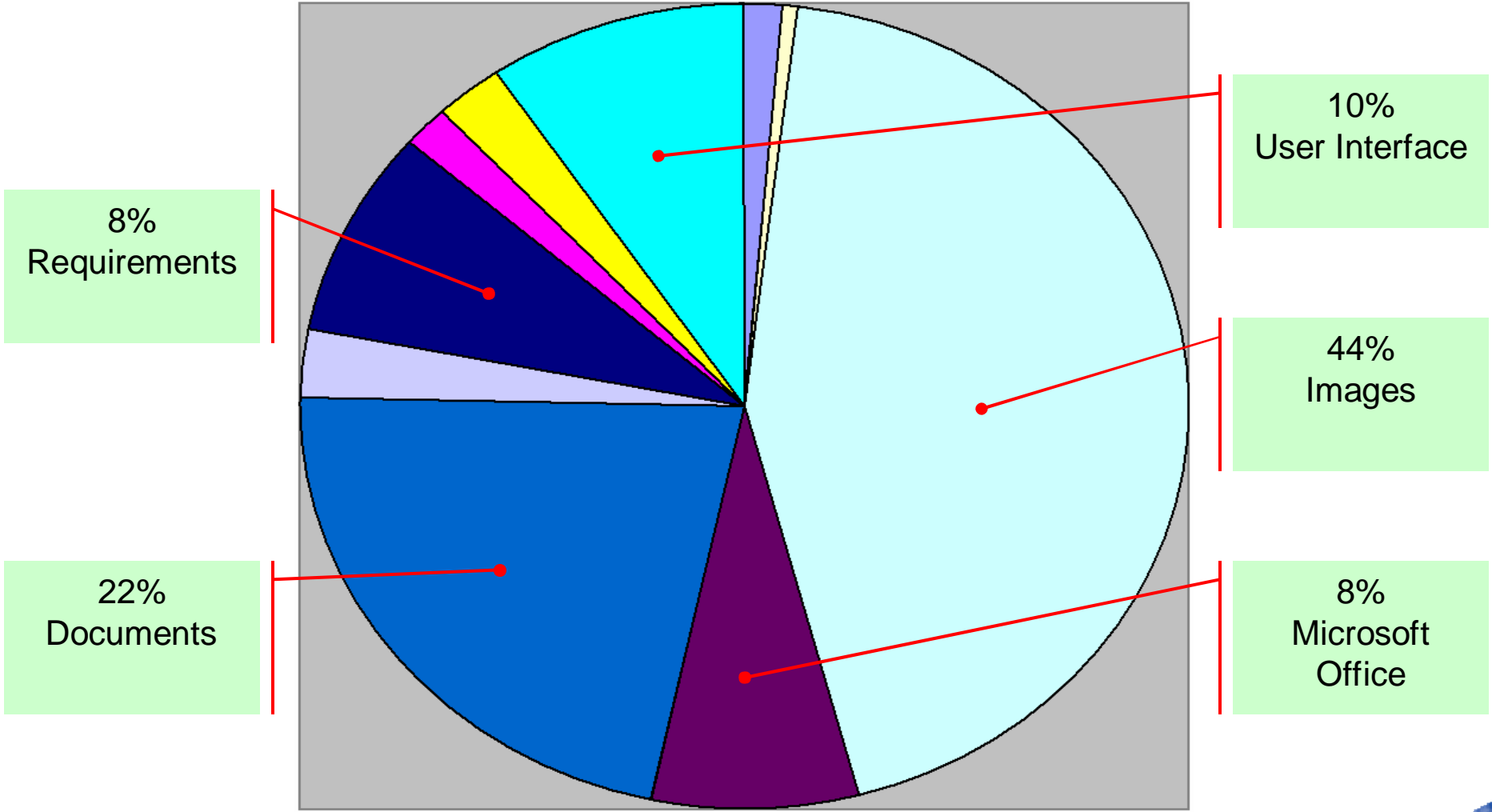
<http://www.ibm.com/developerworks/rational/library/10/rccperformanceandscaleabilitytestresults/index.html>



Our Artifacts



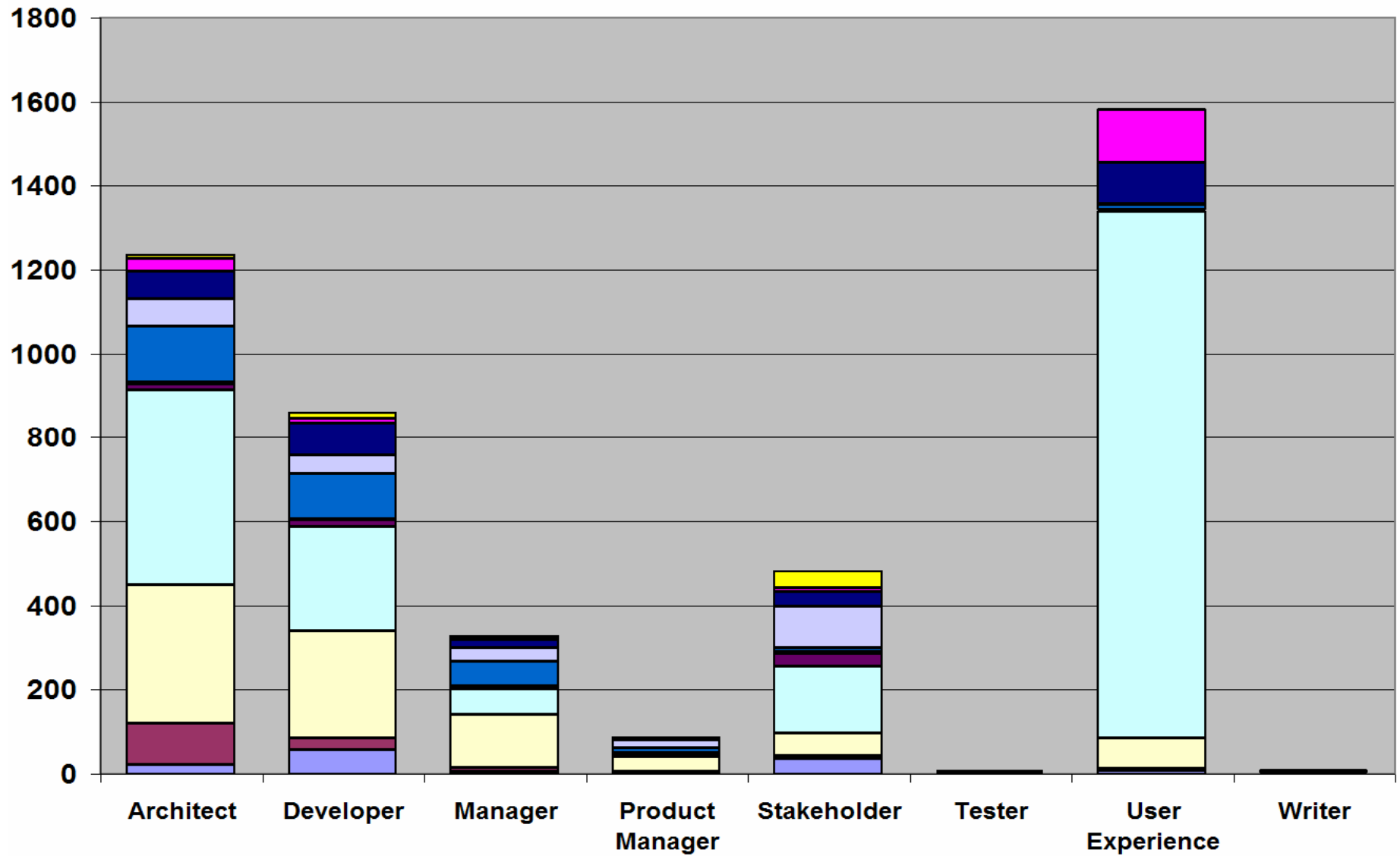
What percentage of Artifacts have been created



Total: 4586 artifacts



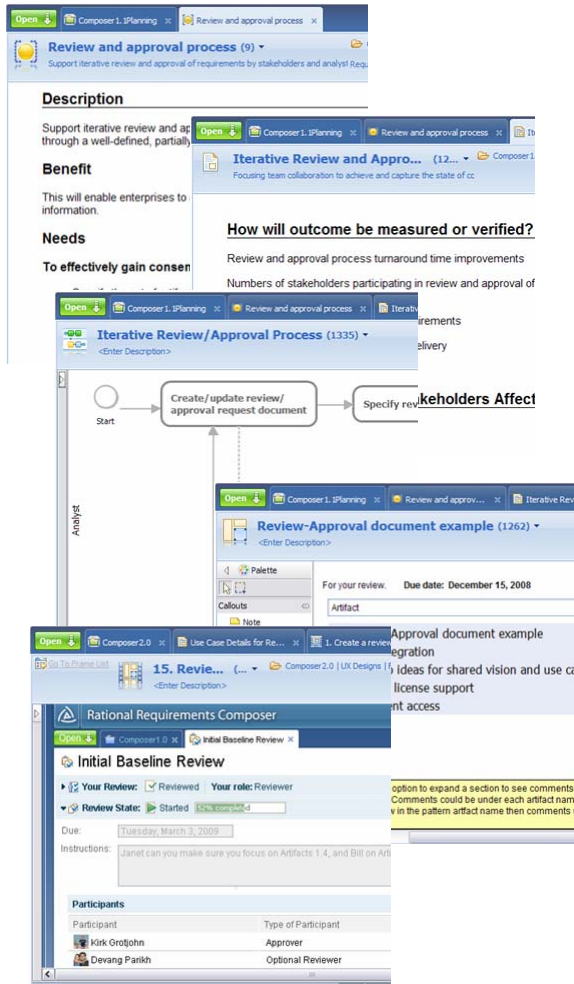
The whole team writes requirements



2009



Drinking Our Own Champagne



Evolution of the RRC V2 Review and Approval feature

1. Stakeholder describes the feature
2. Product manager then describes the business scenario and related requirements
3. Architect defines the workflow
4. User Interface designers then developed mockups
 - ▶ increasingly realistic versions
 - ▶ identified "how it's really going to work"
5. Development team developed incremental solutions
6. User Interface designers used milestone “drivers” to obtain feedback from the stakeholders

Release V2 Requirement – Review & Approval

Rational Team Concert | Robin Bater | Log Out

Work Items | Plans | Builds | Reports

Search: 13783

Release Requirement 13783 | Summary: Review and Approval | Closed | Fixed

Loaded: Apr 9, 2010 5:32 AM

Details

Type: **Children (16)**

Filed Against: [Enhancement 13408: Feature: Review and Approval](#)

Tags: [Milestone Requirement 13844: Review and Approval/Define resource format for a review](#)

Owned By: [Milestone Requirement 13848: Review and Approval/Create a review](#)

Project Area: [Milestone Requirement 13849: Review and Approval/Edit a review](#)

Team Area: [Milestone Requirement 13857: Review and Approval/Authorization considerations for reviews and approvals](#)

Priority: [Milestone Requirement 13861: Review and Approval/Participate in a review](#)

Planned For: [Milestone Requirement 13862: Review and Approval/View a review \(participant view\)](#)

Estimate: [Milestone Requirement 13863: Review and Approval/Notifications for reviews and approvals](#)

Description

This is the high-level rel

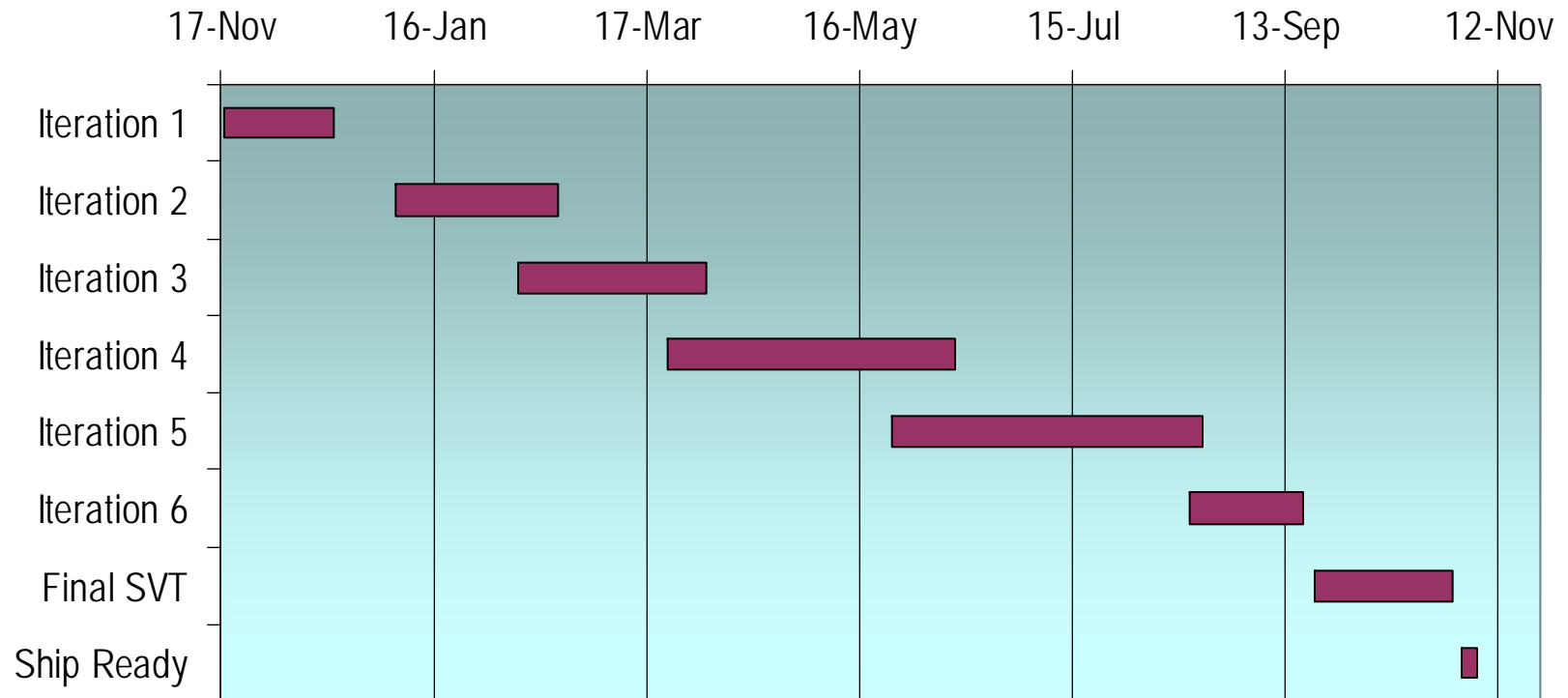
Discussion

No Comments.

Quick Information

- Subscribers (1): SVD
- Children (16): 138408, 13844, 13848, 13849, 13861, 13862, 13863, 13866, 13877, ...
- Depends On (1): 14912
- Duplicated By (1): 8347
- Related (3): 15676, 15677, 15678
- Related Artifacts (2): 1, 2
- Change Sets (1): 1
- Included in Builds (5): 1, 2, 3, 4, 5

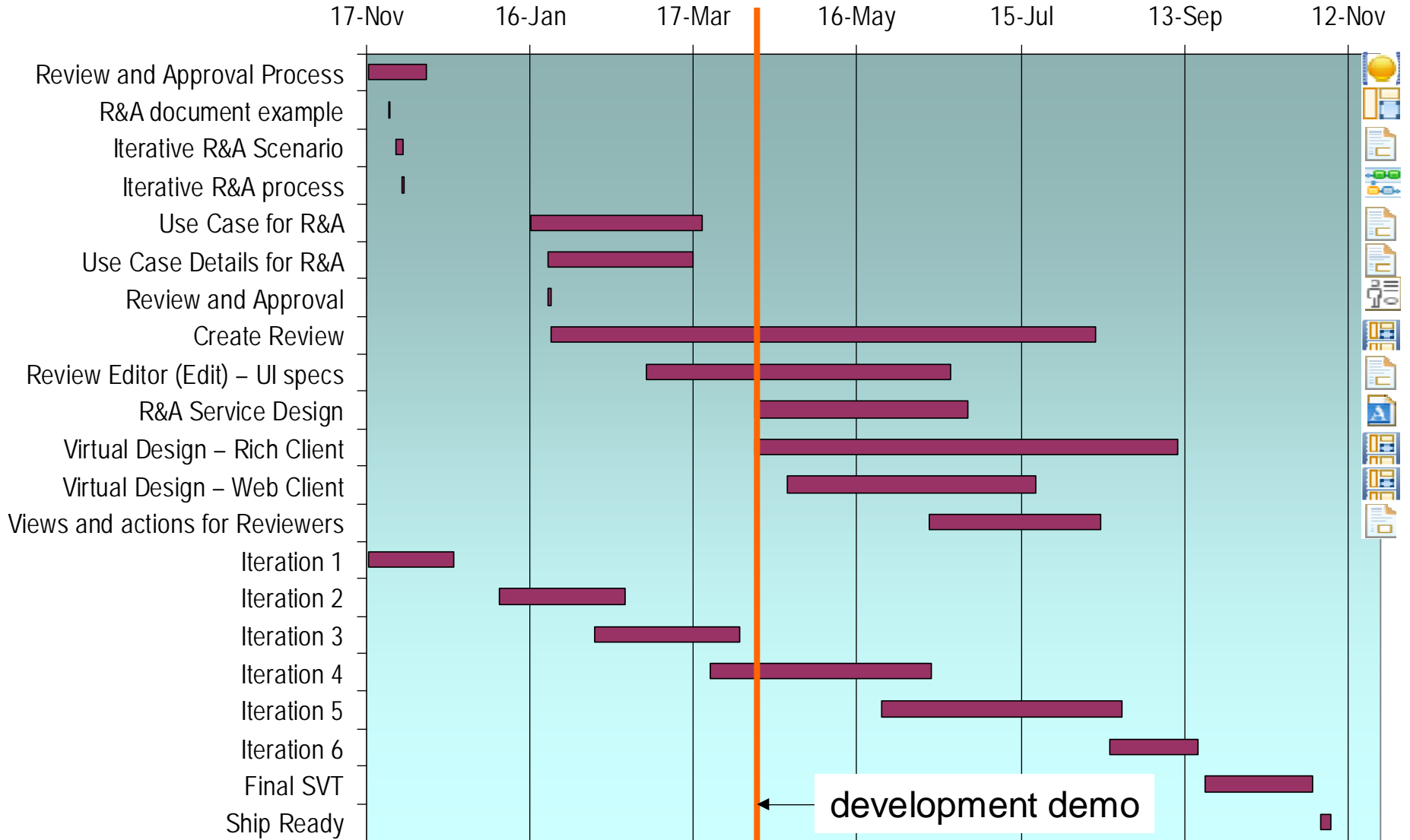
Iterations



- Milestone overlap: planning for the next iteration begins during SVT
- Duration varies
- Each milestone includes Planning, Requirements, Design and Test
- Each milestone is consumable



Review and Approval overview



Feature Requirement – Stakeholder – 59 revisions

Review and approval process (9) | Composer 1.1Planning | Features | RRCv1.1; | (12) | (6) | (11)

Support iterative review and approval of requirements by stakeholders and analysts | Requirement Type: Feature

Description

Support iterative review and approval of requirements by enabling the analyst to lead stakeholders and other analysts through a well-defined, partially automated review and/or approval of requirements artifacts.

Benefit

This will enable enterprises to apply a consistent process for reviewing and approving requirements and related information.

Needs

To effectively gain consensus among key stakeholders, the *analyst needs* to be able to:

- Specify the set of artifacts (optionally, specific artifact revisions) that need to be reviewed or approved. See "What can be reviewed/approved" in this document for recommendation of the vehicle analysts will use to to accomplish this task.
 - Possible reviewer document: [Review/Approval document example](#)
 - Note that this example include a list of artifacts along with [dynamic document](#)
 - Consider making the state of this document "the state of the review"

Scenario Document – Product Manager – 18 Revisions

The screenshot shows a software interface with a top navigation bar containing tabs for 'Composer 1.1Planning', 'Review and approval process', and 'Iterative Review and Approval Scenario'. Below the tabs is a breadcrumb trail: 'Composer 1.1Planning | Scenarios | differentiator; key-scenario;'. The main content area is divided into two sections:

How will outcome be measured or verified?

- Review and approval process turnaround time improvements
- Numbers of stakeholders participating in review and approval of requirements
- Stakeholder confidence in solution requirements
- Stakeholder satisfaction with solution delivery

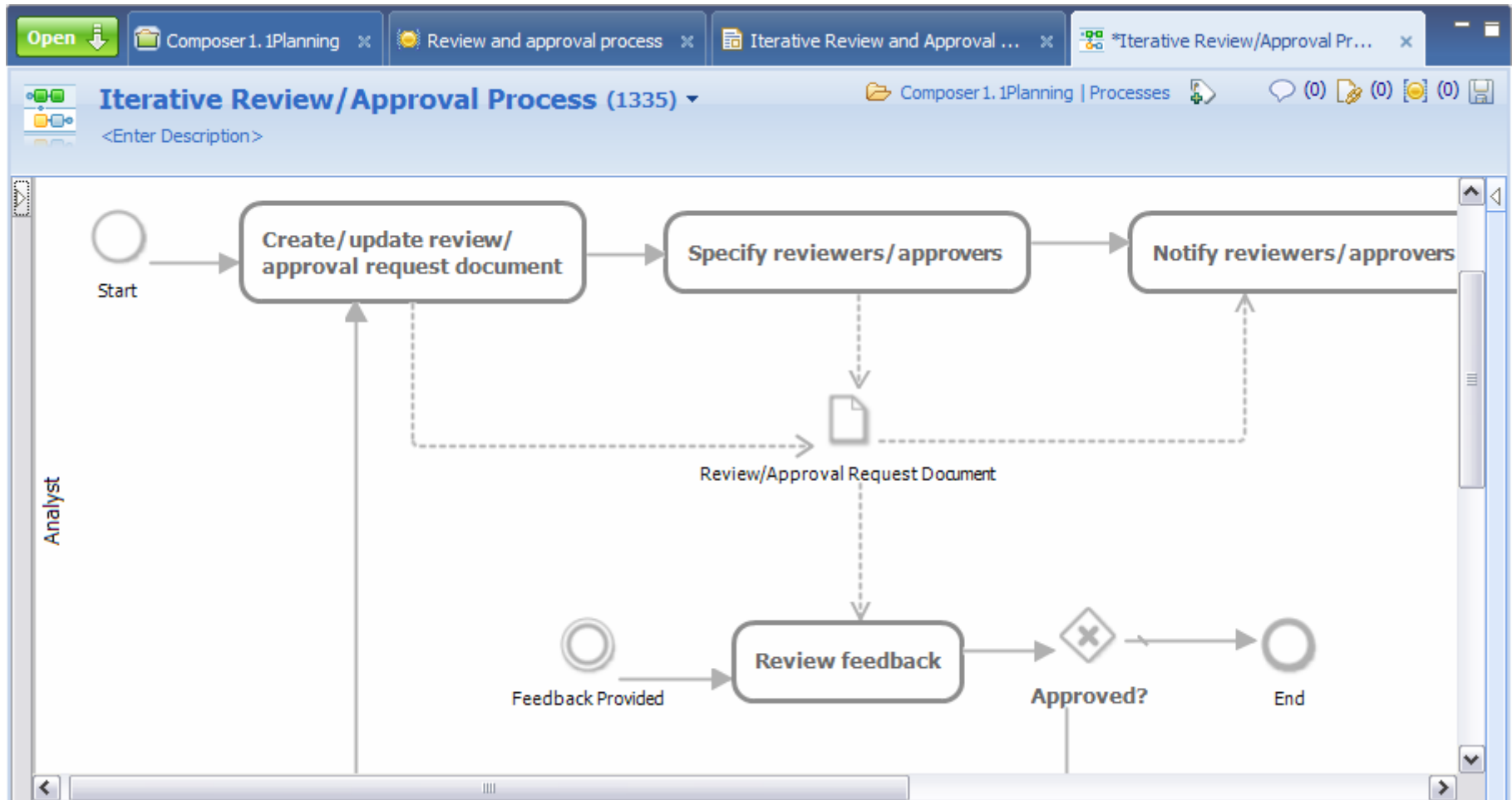
Participating Roles and Stakeholders Affected

- Analyst
- Reviewer, Approver

On the right side, there is a sidebar with a table of contents:

- Information
 - Overview
 - Comments (1)
 - Requirements (7 of 7)
 - Dynamic document composition (from Anchor "Dynamic document")
 - Notifications (from Anchor "Notifications")
 - Review and approval process (from Anchor "Review and approval")
 - Review and approval process (from Anchor "Review and approval")
 - Versioning enhancements (from Anchor "Versioning enhancements")
 - Versioning enhancements (from Anchor "Versioning enhancement.")
 - Web client access (from Anchor "Web client")
- Links (10)

Process Sketch – Architect – 6 Revisions



User interface example – Stakeholder – 5 Revisions

For your review. Due date: December 15, 2008

Artifact

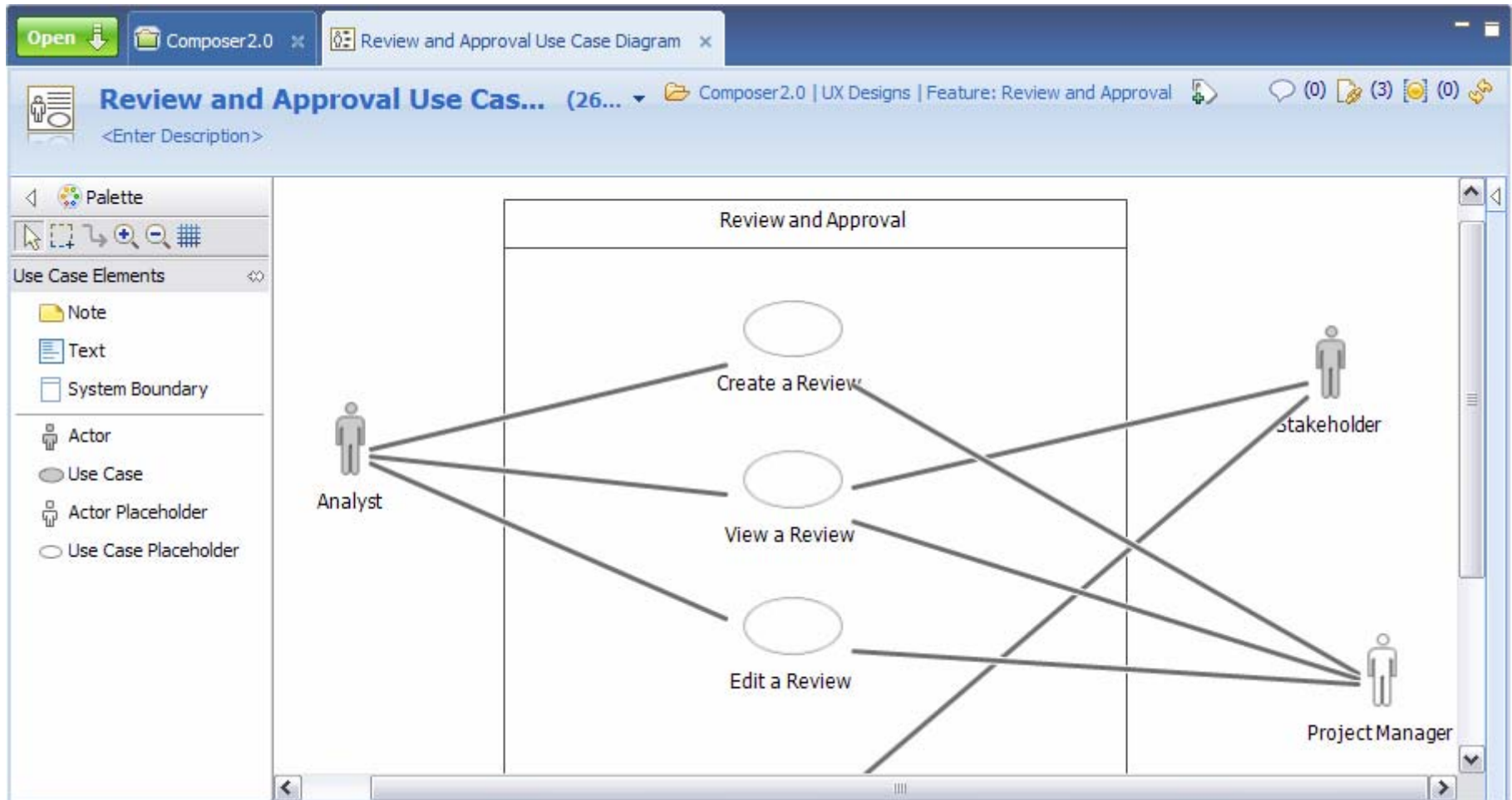
- Review-Approval document example
- Visio integration
- Scenario ideas for shared vision and use case...
- Floating license support
- Web client access

Opened	Edited	Review	Approv Resnr
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A

1 Status changes over time when reviewer returns to this document

4 Add here the option to expand a section to see comments on these documents. Comments could be under each artifact name above, or the section below in the pattern artifact name then comments underneath name

Use Case Diagram – Developer – 4 Revisions



Use Case – Developer – 46 Revisions

Use Case Details (HOW)

Definition of Review: A review is essentially a collection of artifacts, reviewers, and an overall state.

1. Create a review

User creates a review resource, which minimally includes artifacts and reviewers, and potentially other options. The reviews are listed for the project. Reviewers are notified that a review has been created, and the review is added to their User Home Page.

Who: Analyst

Main flow:

1. Opens project page.
2. Indicates they want to create a review.
3. Chooses artifacts to review. Indicates which are required and which are optional.
4. Specifies reviewers (optional, required, and approver).

Information

- ▶ Overview
- ▶ Comments (8)
- ▶ Requirements (0)
- ▼ Links (10)
 - ▶ Outgoing Links (6)
 - Composer2.0
 - 1. Create a review (from Anchor "UX Design")
 - 2. View a review (from Anchor "UX Design")
 - 3. Edit a Review (from Anchor "3. Edit Review ")
 - 4. Review artifacts (from Anchor "UX Design")
 - 5. Update artifacts and review, then finalize (from Anchor
 - TeamMeeting-20090113 (from Anchor "UI and Technical Is
 - ▶ Incoming Links (4)
 - Review and Approval

Frame List – User Interface Designer – 81 Revisions

The screenshot displays the IBM Rational User Interface Designer interface. At the top, there are several tabs: 'Open', 'Composer2.0', 'Use Case Details for Review and Approval', and '1. Create a review'. Below the tabs, the main workspace shows a 'Frame List' for the '1. Create a review (2671)' use case. The frame list contains the following items:

- 1. <Enter Frame Title>
- 2. Review tab [Review tab - base](#)
- 3. New review dialog
- 4. Review editor is opened [Review editor - Option 2](#)
- 5. Enters date, add approver
- 6. Selects Users
- 7. Users added
- 8. Changes reviewer type
- 9. Change reviewer type

At the bottom of the frame list, there is a row of 10 thumbnail images representing storyboard frames, numbered 1 through 10. Frame 1 is currently selected and highlighted.

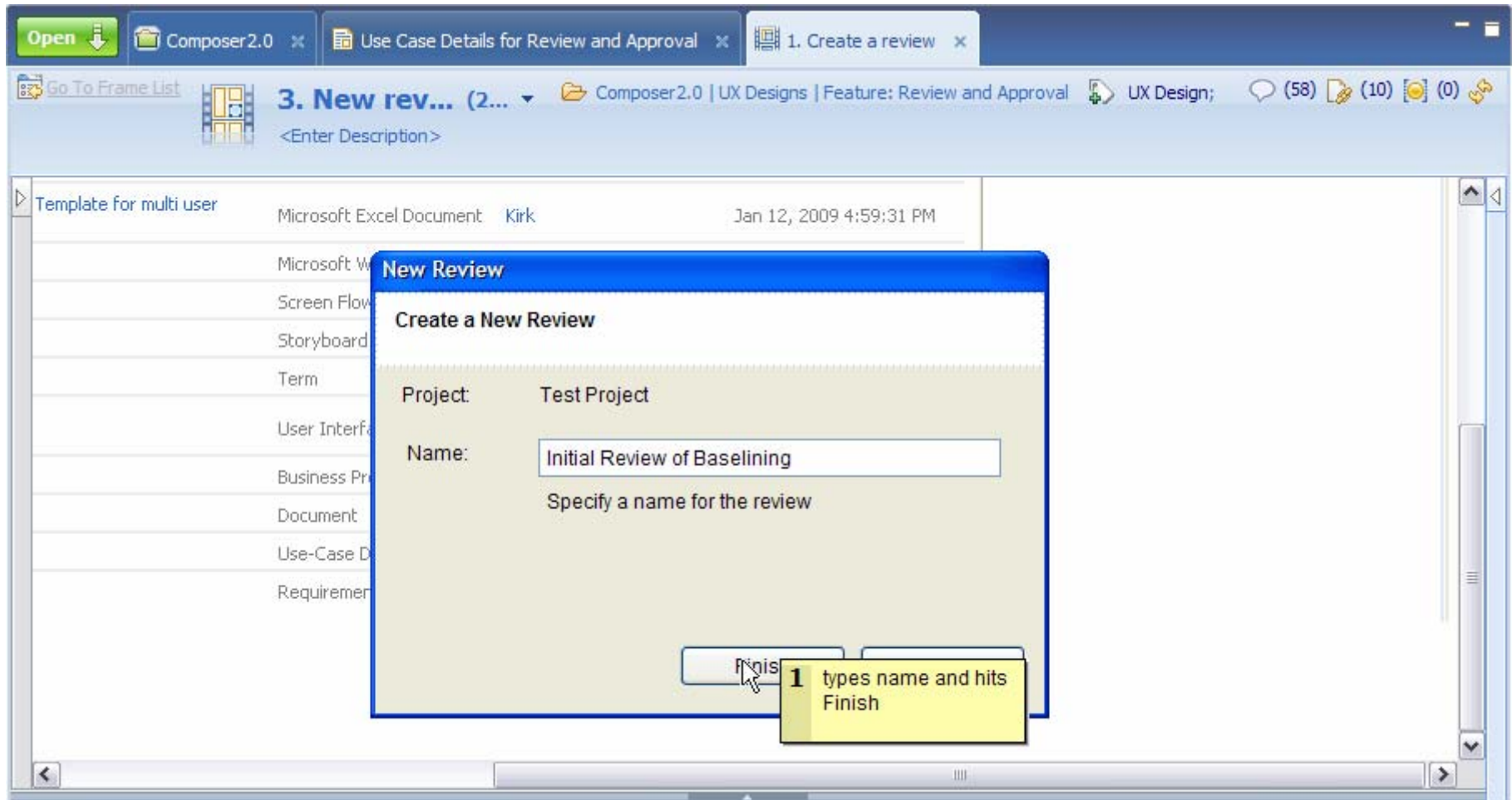
Storyboard – User Interface designer – 81 Revisions

2 Reviews are viewed and created from a Reviews section in sidebar.

Type	Last Modified By	Last Modified Date	
Glossary	Kirk	Jan 13, 2009 4:53:49 PM	
Requirement	Kirk	Jan 12, 2009 4:50:45 PM	
User Interface Sketch	Kirk	Jan 23, 2009 5:02:20 PM	
Template for multi user	Microsoft Excel Document	Kirk	Jan 12, 2009 4:59:31 PM
Microsoft Word Document	Kirk	Jan 12, 2009 4:59:01 PM	
Screen Flow	Kirk	Jan 13, 2009 5:50:50 PM	
Storyboard	Kirk	Jan 13, 2009 5:50:52 PM	

Click to create new review

Storyboard – User Interface designer – 81 Revisions

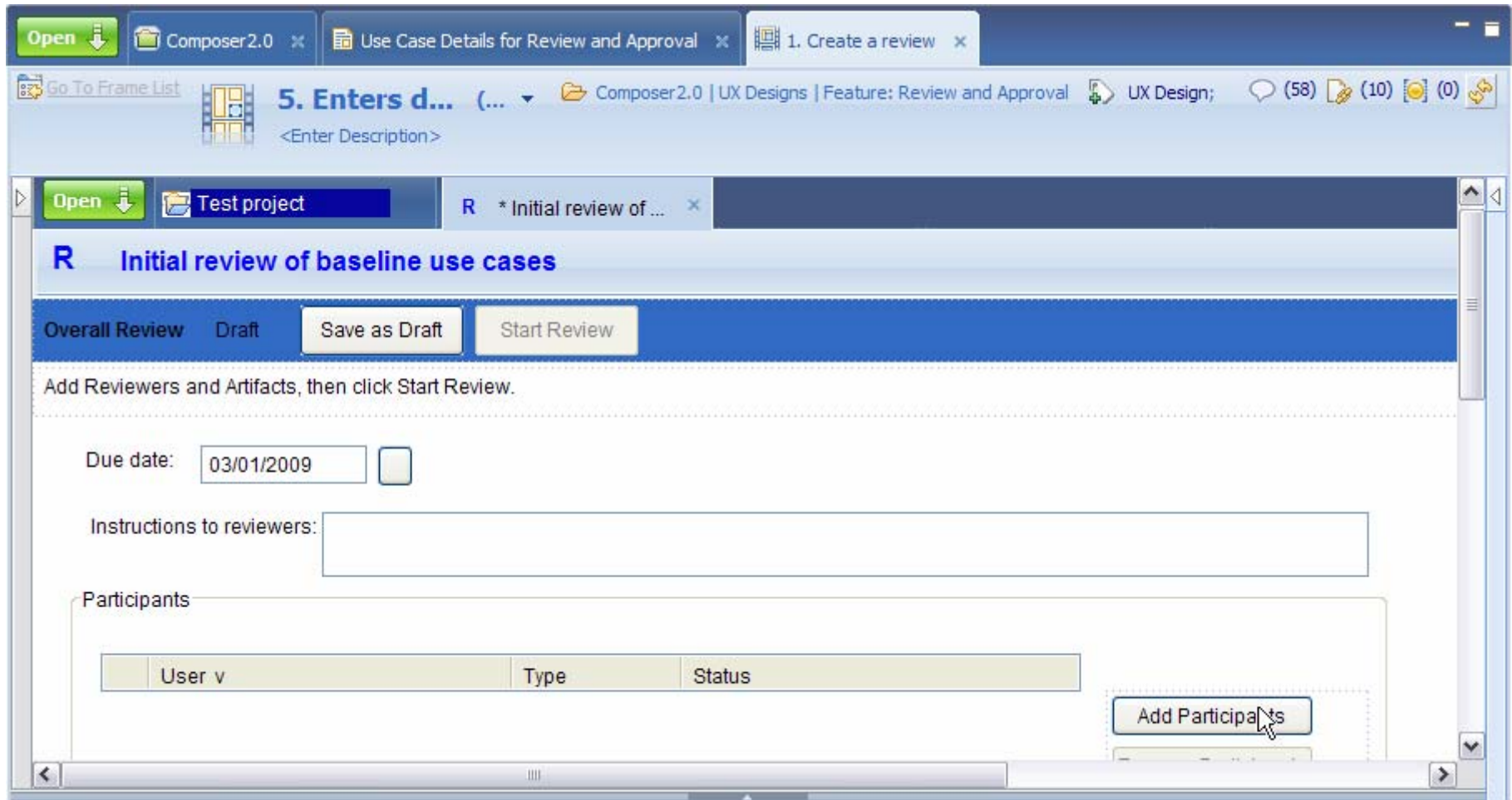


Storyboard – User Interface designer – 81 Revisions

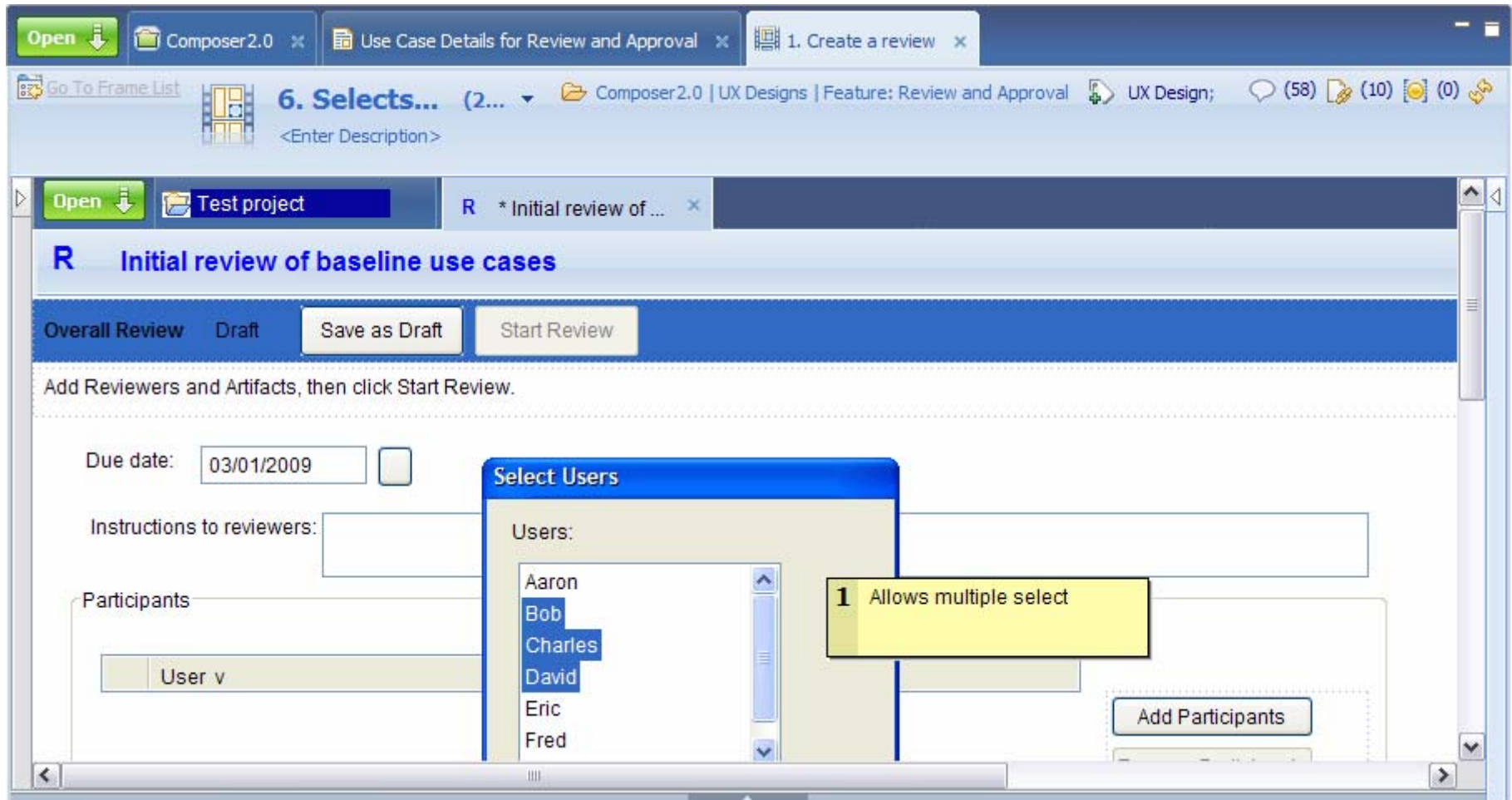
The screenshot shows a software review interface with the following elements:

- Navigation:** Buttons for 'Open', 'Save as Draft', and 'Start Review'.
- Text:** 'Initial review of baseline use cases', 'Overall Review', 'Draft', 'Add Reviewers and Artifacts, then click Start Review.'
- Form Fields:** 'Due date' (with a calendar icon), 'Instructions to reviewers' (text area).
- Table:** A table with columns 'User v', 'Type', and 'Status'. A row contains 'User v' in the 'User v' column.
- Annotations:**
 - 2** State is Draft. Start button is disabled. Hint text is added here too.
 - 3** Import list of users from another review (can be post 2.0). Prompts user to choose an existing review. (work item 20803)

Storyboard – User Interface designer – 81 Revisions



Storyboard – User Interface designer – 81 Revisions



Storyboard – User Interface designer – 81 Revisions

The screenshot shows the Rational Composer 2.0 interface for creating a review. The main window title is "7. Users a... (26...". The review title is "Initial review of baseline use cases".

Buttons: Overall Review, Draft, Save as Draft, Start Review

Text: Add Reviewers and Artifacts, then click Start Review.

Due date: 03/01/2009

Instructions to reviewers:

Participants

User v	Type	Status
Bob	Reviewer	Not started
Charles	Reviewer	Not started



Storyboard – User Interface designer – 81 Revisions

The screenshot shows the Rational software interface for creating a review. The main window title is "8. Change..." and the subtitle is "<Enter Description>". The breadcrumb path is "Composer 2.0 | UX Designs | Feature: Review and Approval | UX Design;". The review title is "R Initial review of baseline use cases".

Buttons for "Overall Review", "Draft", "Save as Draft", and "Start Review" are visible. Below these is the instruction: "Add Reviewers and Artifacts, then click Start Review."

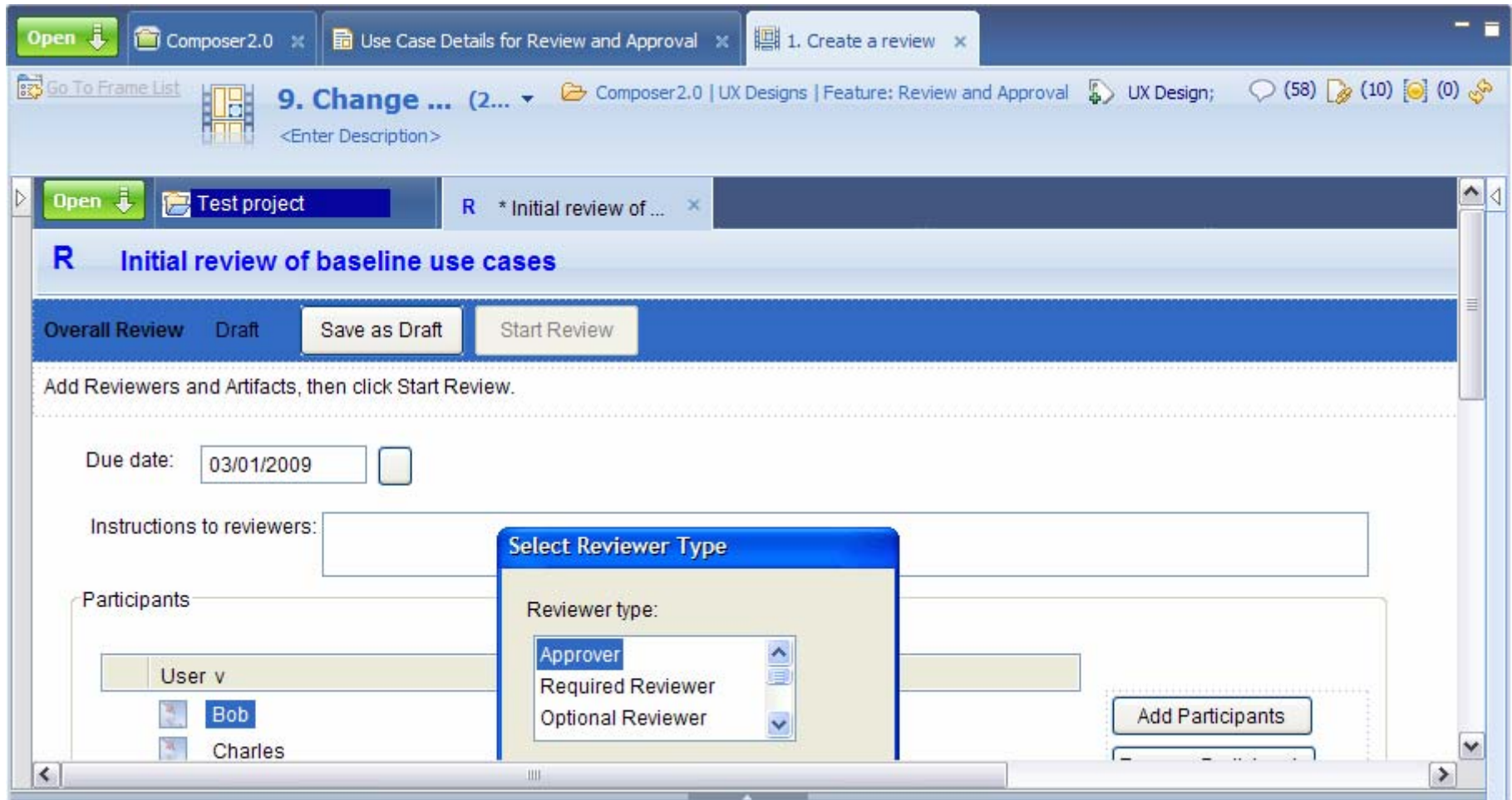
The "Due date" is set to "03/01/2009". The "Instructions to reviewers" field is empty. The "Participants" section contains a table with the following data:

User v	Type	Status
Bob	Reviewer	Not started
Charles	Reviewer	Not started

An "Add Participants" button is located to the right of the table.



Storyboard – User Interface designer – 81 Revisions



Storyboard – User Interface designer – 81 Revisions

Open Composer2.0 Use Case Details for Review and Approval 1. Create a review

Go To Frame List 10. Adds ... (2... Composer2.0 | UX Designs | Feature: Review and Approval UX Design; (58) (10) (0)

<Enter Description>

Artifacts captured on: (will be captured when review is started)

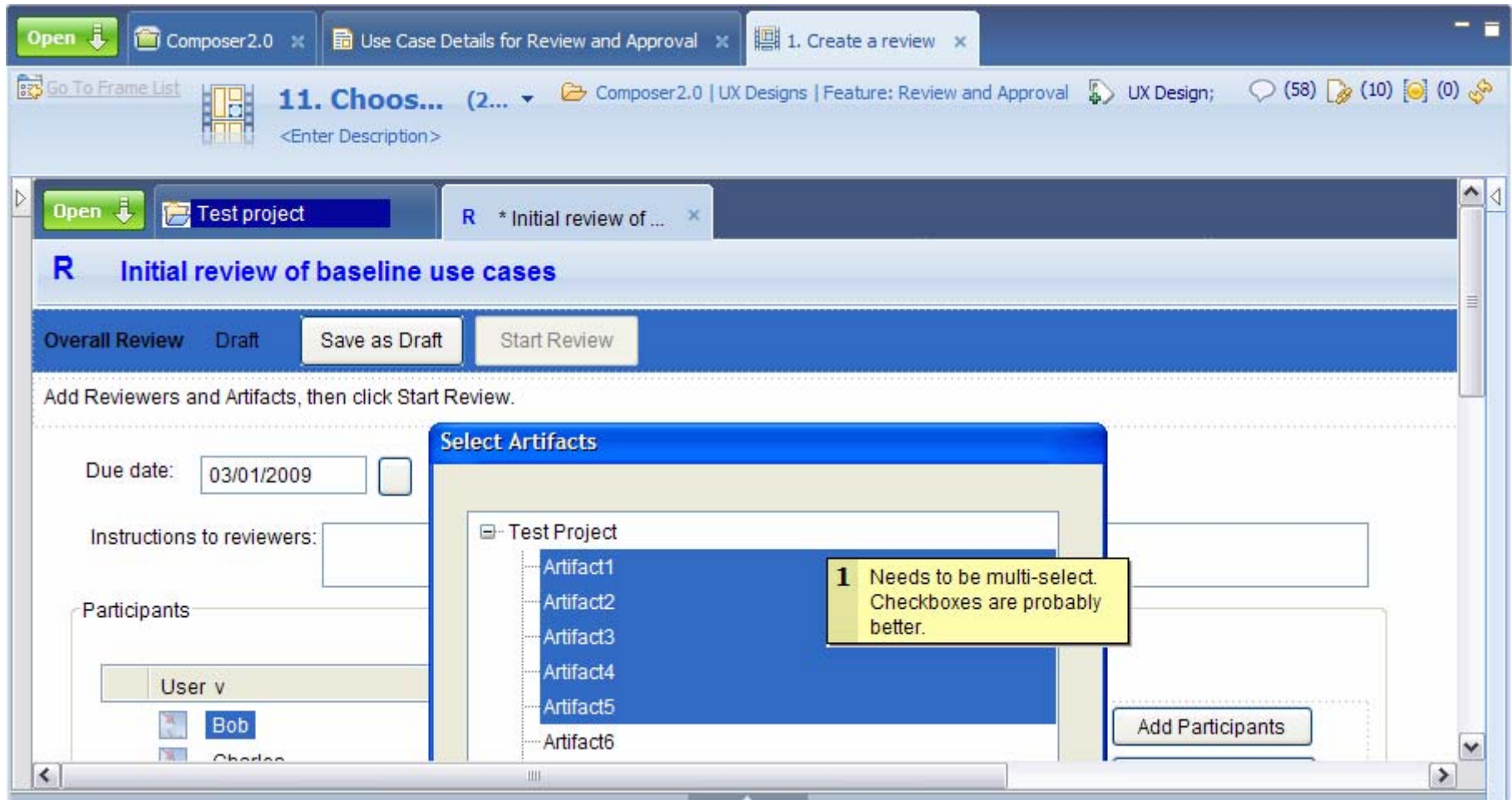
Artifact	Version	Status

- Add Artifact
- Remove Artifacts
- Edit Artifacts
- Set Status
- Move Up
- Move Down
- Import from existing review

3 Add artifacts



Storyboard – User Interface designer – 81 Revisions



Visual Design – User Interface Designer

The screenshot shows the IBM Composer 2.0 application interface. The top navigation bar includes 'Open', 'Composer2.0', 'Use Case Details for Review and Approval', and '1. Create a review'. Below this is a sub-navigation bar with 'Artifacts', 'Requirements', 'Collections', and 'Administration'. A 'Create Artifact' dropdown menu is visible. The main area displays two artifacts:

Artifact Name	Type	Last Modified By	Last Modified Date	Comments	Tags
Visual Design Specs for Review and Approval (RCP)	Storyboard	Janet Mockler-Rowlatt	Sep 10, 2009 12:16:22 PM	(34)	review, rich_client, visual-design
Visual Design Specs for State transfer widget	Storyboard	Janet Mockler-Rowlatt	Aug 11, 2009 10:48:47 AM	(1)	UX Design, rich_client, visual-design, web_client



Rich Client – User Interface Designer – 19 Revisions

The screenshot displays a rich client application window with multiple tabs and a detailed review process interface. The main window title is "4. Review..." and it contains a toolbar with various icons and a search field. Below the toolbar, there are several tabs, including "Composer2.0", "Kirk Grotjohn's Dashboard", and "Initial Baseline Review". The "Initial Baseline Review" tab is active and shows a progress bar with stages: Overall Review, Draft, Save as draft, Start review, In Progress, Reviewed, and Finalized. Below the progress bar, there is a text area for instructions and a table for participants.

Initial Baseline Review

Overall Review | **Draft** | Save as draft | Start review | In Progress | Reviewed | Finalized

Add review participants and artifacts, then click on the 'Start Review' button

Due:

Instructions: Janet can you make sure you focus on Artifacts 1 -4, and Bill on Artifacts 5, 6 and 7? Devang please review as you have time.

User	Type	Status
Kirk Grotjohn	Approver	Not started
Devang Parikh	Optional Reviewer	Not started



Web Client – User Interface Designer – 8 Revisions

The screenshot displays the Rational Requirements Composer web client interface. At the top, there is a navigation bar with tabs for 'Composer2.0', 'Use Case Details for Re...', '1. Create a review', 'Visual Design Specs fo...', and 'Visual Design for Revi...'. Below this is a breadcrumb trail: 'Composer2.0 | UX Designs | Feature: Review and Approval | web_client_review (12) (13) (0)'. The main content area is titled 'Rational Requirements Composer' and shows the user 'Bob Alden' with a 'Log Out' button. The current view is 'Initial Baseline Review'.

Key details from the interface:

- Your Review:** Reviewed (checked)
- Your role:** Reviewer
- Review State:** Started (52% completed)
- Due:** Tuesday, March 3, 2009
- Instructions:** Janet can you make sure you focus on Artifacts 1,4, and Bill on Artifacts 5,6 and 7? Devang please review as you have time.

A 'Participants' table is located at the bottom of the review details:

Participant	Type of Participant	Review results
Kirk Grotjohn	Approver	✗ ✓ ✓ ✓ ⌚ ⌚ ⌚
Devang Parikh	Optional Reviewer	⌚ ⌚ ⌚ ⌚ ⌚ ⌚ ⌚



Document – User Interface Designer – 52 Revisions

Open Composer2.0 01. Review Editor (Edit) - UI specs

01. Review Editor (Edit)... (36... Composer2.0 | UX Designs | Feature: Review and Approval UX Design; (6) (4) (0)

<Enter Description>

[This document describes UI specifications, focusing on UI layout, functions and interaction. Images are meant to convey rough visual designs. Detailed visual blueprints, where necessary, will be described separately.

1. Review Editor - "Review State" section

This section of the review is for editing the review as well as showing the current state of the review. It is a different view of the same review as shown in the "Your Review" section (Section 2). It will primarily be used by the creator of the review.

All users can see this section, although only creators of the review or users with admin rights can edit it (for all others, the action buttons should be hidden). When the review is in draft state, this will be the top section (after the review is started, "Your Review" will be the top section).

The following document describes what a user can see and do based on their role and the state of the review: [Views and actions for reviewers and non-reviewers](#)

Review Editor components map

Initial review of baseline use cases **A**

Overall Review Draft Start Review **B**

Document – User Interface Designer – 19 Revisions

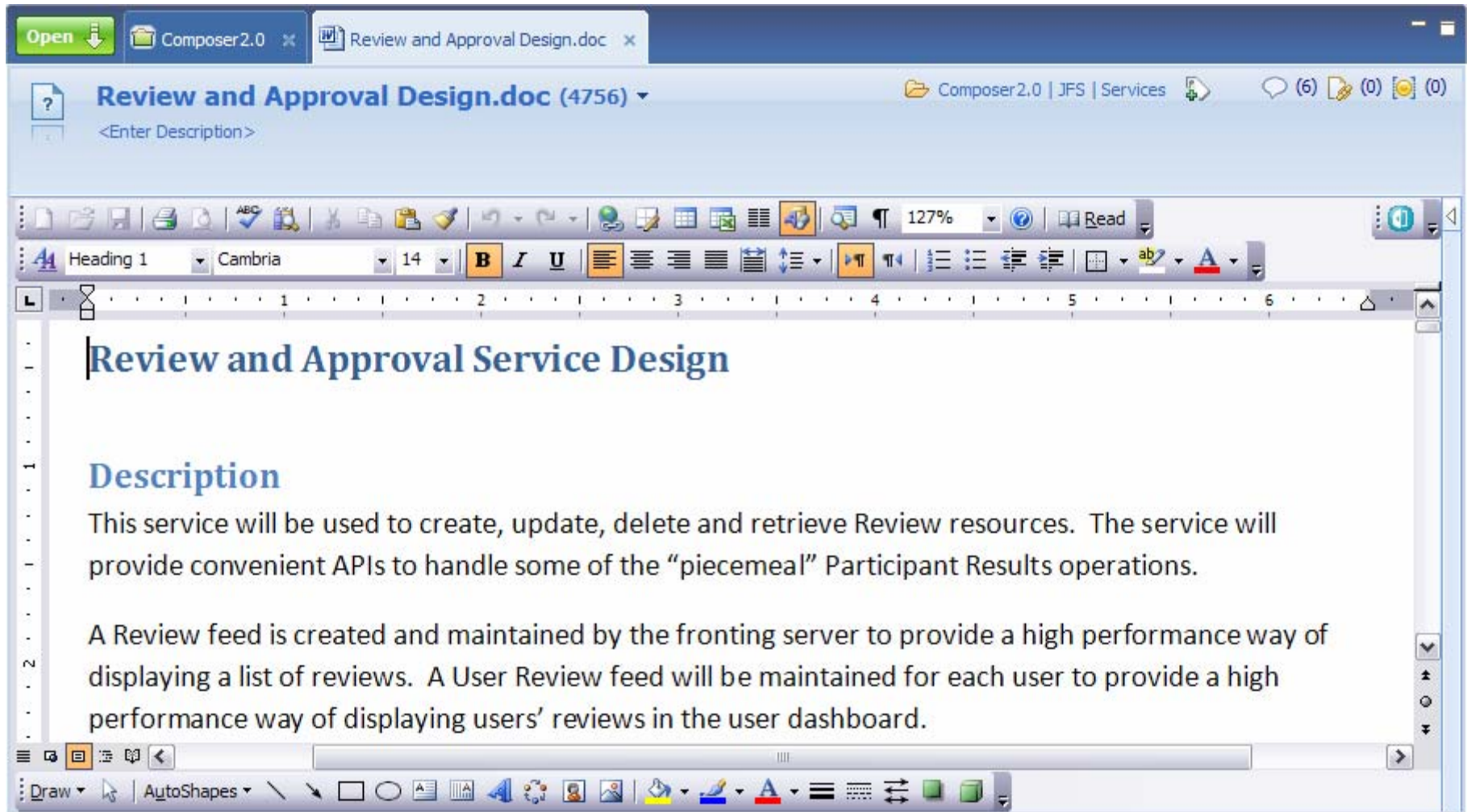
The screenshot shows a software application window with a blue header bar. The title bar contains several tabs: "Open", "Composer2.0", "01. Review Editor (Edit) - UI specs", and "Views and actions for reviewers and non-reviewers". The main content area has a title "Views and actions for reviewer..." and a description field containing the text: "I think the current designs are a little unclear on what happens when you open a review artifact from different states of the review, or whether you are a reviewer or not. This table hopefully clears this up. Let me know if there's anything in here you don't understand or with." Below the text is a table with four columns: Role, Opens review from:, Review State, Review sections shown, and Opening artifact, what they see/can do?. The table has four rows corresponding to Reviewer roles in Draft, Started, Stopped, and Complete states. Below the table is a note: "Note that the last column applies to whether you open an artifact from the My review section or the Overall review section. We might consider a context menu action to 'Open current version'."

I think the current designs are a little unclear on what happens when you open a review artifact from different states of the review, or whether you are a reviewer or not. This table hopefully clears this up. Let me know if there's anything in here you don't understand or with.

Note that the last column applies to whether you open an artifact from the My review section or the Overall review section. We might consider a context menu action to "Open current version".

Role	Opens review from:	Review State	Review sections shown	Opening artifact, what they see/can do?
Reviewer	<ul style="list-style-type: none"> Project page sidebar after review is started: User home page E-mail link 	Draft	Overall review (Individual reviewer page doesn't exist yet)	<ul style="list-style-type: none"> Opens head version of artifact (since specific hasn't been captured yet). Normal artifact editing capabilities (including normal commenting)
		Started	Overall review My Review	<ul style="list-style-type: none"> Opens review artifact editor with all reviewing capabilities Comments added are flagged as review comments
		Stopped	Overall review My Review (with action buttons disabled)	<ul style="list-style-type: none"> Opens review artifact editor showing status, but action buttons (Approve, etc.) disabled. Commenting disabled
		Complete	Overall review My Review (with action buttons disabled)	<ul style="list-style-type: none"> Opens review artifact editor showing status, but action buttons (Approve, etc.) disabled.

Document – Developer – 2 Revisions



Development demo - Developer

Meeting Player - C:\Documents and Settings\Administrator\My Documents\RRC 2.0\March_30,_2009_-_RRC_Managed_Beta_call__demo+of+Review+and+Approval_Part+1.rmv

File View Tools Help

Desktop Stef van Dijk

Rational Requirements Composer

File Edit Navigate Search Window Help

Project Explorer

- Local 2.0 server
- SVD ClassicCD
- Rosa's 2.0 server
- SVD Project

Open SVD ClassicCD *Review Actors x

Review Actors

Review the set of actors in my project

Current State: **Draft** Save as Draft Start Review Add reviewers and artifacts, then click "Start Review"

Due Date: 4/13/09 Select Date

Instructions for reviewers: Eric is not required to review but would really appreciate his feedback.

Reviewers

Add Remove Change Type

Name	Type	Status
Stef	Reviewer	Not started
Eric	Optional Reviewer	Not started

Artifacts

Add Remove

Artifact	Version	Status
Administrator	Set when review is started	Not started
Shopper	Set when review is started	Not started

Video (Not Available)

No Video Available

00:04:47 / 00:21:29

Paused

Title March 30, 2009 - RRC Managed Beta call _demo
 Moderator Paula Cox
 Date 03/30/09 07:22 AM

Usability feedback – User Interface Designer

Open Composer2.0 UI and Usability feedback and responses

UI and Usability feedback and responses (6192) <Enter Description>

Composer2.0 | RSC Demos (0) (3) (0)

Bill's notes on Voice, and related work.

From: Bill [Andreas/Westford/IBM@IRIS](#)

To: Kirk [Grotjohn/Raleigh/IBM@IBMUS](#), Janet [Mockler/Toronto/IBM@IBMCA](#)

Date: 06/15/2009 05:31 PM

Subject: Annotated: Some assorted comments from customers at VOICE/RSC

I scribbled a bunch of comments on our new RRC 2.0 features while talking to customers at VOICE/RSC. This note summarizes these comments. I've marked each comment with a note as to whether or not I think we should do something about it in our designs (in other words if we should add them to the design and create a [workitem](#) for them). Before making a [workitem](#), I thought I'd put this out for comment.

Review and Approval

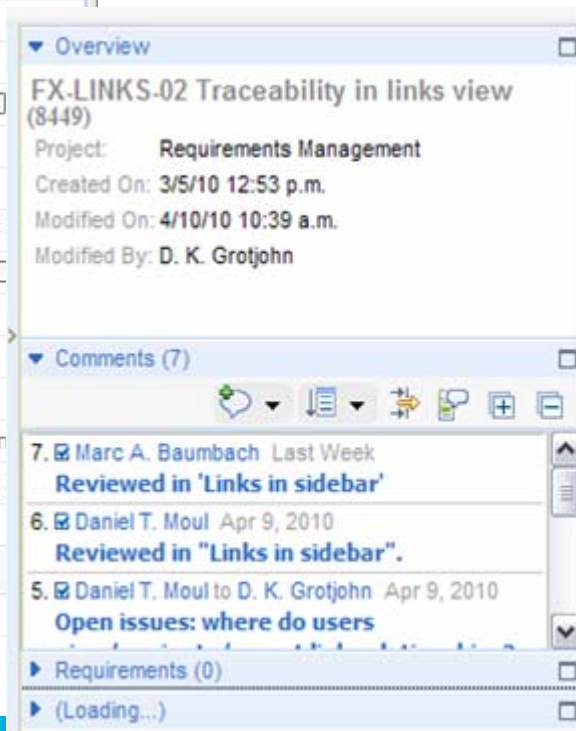
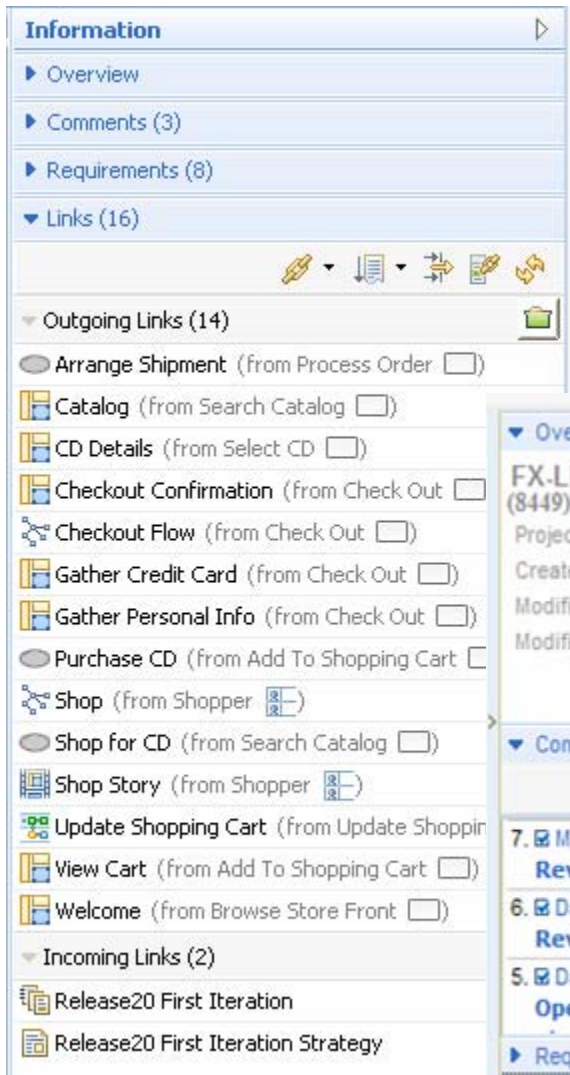
1. Want Delegation

2010



Drinking Our Own Champagne

The following slides show the *use* of the RRC V2 Review and Approval feature



Case Study:
Improvements to the
Links sidebar

Dashboard

Rational Requirements Composer
Robin R. Bater | Log Out |

Dashboard Projects ▾ Recently Viewed ▾

Robin R. Bater's Dashboard

Auto-save

General Tab +

Reviews (4 of 60)

- Launched Editors** ⚠ Jan 29, 2010
modified on 2/8/10 1:45 p.m.
- Links in sidebar** ⚠ Apr 12, 2010
modified on 4/20/10 1:45 p.m.
- Traceability in tree view** ⚠ Apr 14, 2010
modified on 4/20/10 1:45 p.m.
- Traceability links in grid columns** ⚠ Apr 13, 2010
modified on 4/20/10 1:45 p.m.

Page 1 of 1

Artifacts (99)

M6 - NOT conditions	10 minutes ago
M5 RMWeb New and Noteworthy	30 minutes ago
RRM 2010 Specification	1 hour ago
M6 New and Noteworthy	2 hours ago
Services Table	2 hours ago
M6 Daily Standup	2 hours ago
View Service Specification	4 hours ago

Page 1 of 15

Comments (3 of 100)

- Daniel T. Moul to Robin R. Bater, Jared Pulham, D. K. Grotjohn Yesterday
 All UI Design Work for enhanced queries and filters
- Chris Mcgraw to Robin R. Bater Last Week
 Proposed Link Type Work for M6D1
- Douglas Raith to Robin R. Bater Last Week
 Traceability for 3.0

Page 1 of 1

Requirements (100)

User scenarios for DOORS 10 tech preview	Last Week
This is a test document	Last Week
RRS shall provide a compliant implementation of OSLC RM V2.0 specification, as ...	Last Week
This is a word document.	Last Week

My Projects (22)

- 2009 Enablement Plans
- Bater Bank - Account Opening
- Bater Bank - ATM
- Bater Bank - Enterprise

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Dashboard

Rational Requirements Composer
Robin R. Bater | Log Out |

Dashboard Projects ▾ Recently Viewed ▾

Robin R. Bater's Dashboard

Auto-save

General Tab +

Reviews (4 of 60)

Launched Editors ⚠ Jan 29, 2010
modified on 2/8/10 1:45 p.m.

Links in sidebar ⚠ Apr 12, 2010
modified on 4/20/10 1:45 p.m.

Traceability in tree view ⚠ Apr 14, 2010
modified on 4/20/10 1:45 p.m.

Traceability links in grid columns ⚠ Apr 13, 2010
modified on 4/20/10 1:45 p.m.

Page 1 of 1

Artifacts (99)

M6 - NOT conditions 10 minutes ago

M5 RMWeb New and Noteworthy 30 minutes ago

RRM 2010 Specification 1 hour ago

M6 New and Noteworthy 2 hours ago

Services Table 2 hours ago

M6 Daily Standup 2 hours ago

View Service Specification 4 hours ago

Page 1 of 15

Comments (3 of 100)

Daniel T. Moul to Robin R. Bater, Jared Pulham, D. K. Grotjohn Yesterday
 All UI Design Work for enhanced queries and filters

Chris Mcgraw to Robin R. Bater Last Week
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Page 1 of 1

Requirements (100)

User scenarios for DOORS 10 tech preview Last Week

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This is a word document. Last Week

My Projects (22)

2009 Enablement Plans

Bater Bank - Account Opening

Bater Bank - ATM

Bater Bank - Enterprise

Click on the review name to view the results.

Participant's Review

Rational Requirements Composer
Robin R. Bater | Log Out

Dashboard Projects Recently Viewed

Links in sidebar

Participant's Review: ✓ Reviewed | Your role: Optional Reviewer | Done

Select an artifact below to start your review.

Due: Monday, April 12, 2010

Instructions to reviewers: I think this is done enough for reviewing, and to begin working from, unless there are obvious problems you see.
The storyboard is the main document to review... the other document just lists some of the remaining open issues.

Artifacts to Review

Click on an artifact name to open the artifact for review, or select the row and complete the review from this table.
Artifact versions are live

<input type="checkbox"/>	Artifact	Version	Status	
<input type="checkbox"/>	SB-TRACE-003 Links sidebar interaction	Apr 8, 2010 12:46 p.m.	✓ Reviewed	Abstain
<input type="checkbox"/>	FX-LINKS-02 Traceability in links view	Apr 10, 2010 10:39 a.m.	✓ Reviewed	

Overall Review: ✎ Draft → ▶ In progress 33% completed → ✓ Reviewed → ● Finalized

Participant's Review - Artifact

The screenshot shows the Rational Requirements Composer interface. At the top, the user is identified as Robin R. Bater with a Log Out button. The main navigation includes Dashboard, Projects, and Recently Viewed. A sidebar on the left is titled 'Links in sidebar'. The central area is titled 'Participant's Review: Reviewed' and contains instructions for reviewers, a due date of Monday, April 12, 2010, and a list of artifacts to review. One artifact, 'FX-LINKS-02 Traceability in links view (8449)', is highlighted. A context menu is open over this artifact, showing 'READY FOR REVIEW', 'Requirements Management 22921-Traceability', 'Comments (7) Links (2)', and 'Open Item'. On the right, there are status controls for 'Reviewed' and 'Abstain'. At the bottom, an 'Overall Review' progress bar shows '33% completed' with stages for Draft, In progress, Reviewed, and Finalized. The IBM logo and 'jazz' branding are visible at the bottom of the interface.

Participant's Review - Document

The screenshot displays the Rational Requirements Composer interface. At the top, the title bar shows 'Rational Requirements Composer' and the user 'Robin R. Bater'. Below the title bar, there are navigation tabs for 'Dashboard', 'Projects', and 'Recently Viewed'. The main content area is titled 'FX-LINKS-02 Traceability in links view (8449)' and is marked as 'READY FOR REVIEW'. A progress bar indicates '33% reviewed'. The interface includes a sidebar with a tree view showing 'Overview', 'Comments', 'Requirements (0)', and 'Links (0 outgoing, 2 incoming)'. The 'Links' section is expanded, showing 'Showing 0 (of 0 Outgoing)' and 'Showing 2 (of 2 Incoming)', with items like 'Arrange shipment' and 'Vision'. On the right, there is an 'Overview' panel with details for the document, including 'Project: Requirements Management', 'Created On: 3/5/10 12:53 p.m.', 'Modified On: 4/10/10 10:39 a.m.', and 'Modified By: D. K. Grotjohn'. Below the overview is a 'Comments (7)' section with a list of comments, including one from Marc A. Baumbach and another from Daniel T. Moul. The IBM logo is visible in the bottom left corner, and the 'Jazz' logo is in the bottom right corner.

Participant's Review

Rational Requirements Composer
Robin R. Bater | Log Out

Dashboard Projects Recently Viewed

Links in sidebar

Participant's Review: ✓ Reviewed | Your role: Optional Reviewer | Done

Select an artifact below to start your review.

Due: Monday, April 12, 2010

Instructions to reviewers: I think this is done enough for reviewing, and to begin working from, unless there are obvious problems you see. The storyboard is the main document to review... the other document just lists some of the remaining open issues.

Artifacts to Review

Click on an artifact name to open the artifact for review, or select the row and complete the review from this table.
Artifact versions are live

	Artifact	Version	Status	
<input type="checkbox"/>	SB-TRACE-003 Links sidebar interaction	Apr 8, 2010 12:46 p.m.	✓ Reviewed	<input checked="" type="checkbox"/> Reviewed <input type="checkbox"/> Abstain
<input type="checkbox"/>	FX-LINKS-02 Traceability in links view	Apr 10, 2010 10:39 a.m.	✓ Reviewed	

Overall Review:

 Draft →
 In progress 33% completed →
 Reviewed →
 Finalized

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Participant's Review - Storyboard

The screenshot displays the Rational Requirements Composer interface. At the top, the user is identified as Robin R. Bater, with options for 'Log Out' and a search bar. The main navigation includes 'Dashboard', 'Projects', and 'Recently Viewed'. The central focus is the 'Participant's Review' section for the artifact 'SB-TRACE-003 Links sidebar interaction (8936)'. This artifact is marked as 'Reviewed'. A context menu is open over the artifact, showing a tree view: 'Requirements Management' (22921-Traceability) > 'UI Design' > 'Comments (53) Links (7)'. Below this, there is an 'Open Item' button. The 'Instructions to reviewers' field contains the text: 'I think this is done enough. The storyboard is the main...'. The 'Artifacts to Review' table lists several items, including 'SB-TRACE-003 Links sidebar interaction' and 'FX-LINKS-02 Traceability in links view'. At the bottom, an 'Overall Review' progress bar shows '33% completed' with stages for Draft, In progress, Reviewed, and Finalized. The IBM logo and 'Jazz' branding are visible at the bottom of the interface.

Participant's Review – Storyboard – Frame List

The screenshot displays the Rational Requirements Composer interface. At the top, the user is identified as Robin R. Bater. The main workspace shows a storyboard titled "SB-TRAC... (8936)" with a progress indicator for "33% reviewed". A list of 10 storyboard frames is visible, with frame 1 selected. The right-hand sidebar contains an "Overview" section for "SB-TRACE-003 Links sidebar interaction (8936)" and a "Comments (24 of 53)" section. The comments list includes entries from Marc A. Baumbach, Janet Mockler-Rowlatt, and Douglas Raith, all related to reviewing the "Links in sidebar" frame.

Rational Requirements Composer | Robin R. Bater | Log Out

Dashboard | Projects | Recently Viewed

SB-TRAC... (8936) | Requirements Management | UX | Designs | 22921- Traceability | UI Design (53)

Reviewed | Reviewed | Abstain | 33% reviewed | Links in sidebar

- <No frame title specified>
- Links section in sidebar
- Link items
- Selecting a link
- Selecting a paragraph in artifact
- Rich hover
- Creating Links
- Sort and group options
- Group by Project
- Additional view options

Links sidebar mockup

Overview

SB-TRACE-003 Links sidebar interaction (8936)

Project: Requirements Management
 Created On: 3/29/10 11:45 a.m.
 Modified On: 4/8/10 12:46 p.m.
 Modified By: Janet Mockler-Rowlatt

Comments (24 of 53)

53. [x] Marc A. Baumbach Last Week
Reviewed in 'Links in sidebar'

27. [x] Janet Mockler-Rowlatt to MUHTAR AKBULUT, Devang Parikh Apr 8, 2010 (0 of 1 reply)
rich hovers for external URLs?

50. [x] Douglas Raith Apr 12, 2010
Reviewed in 'Links in sidebar'

Requirements []
 Links []

IBM. *Jazz*

Participant's Review – Storyboard – Frame 1

The screenshot displays the Rational Requirements Composer interface. At the top, the title bar reads "Rational Requirements Composer" with the user name "Robin R. Bater" and a "Log Out" button. Below the title bar, there are navigation tabs for "Dashboard", "Projects", and "Recently Viewed". The main content area shows a storyboard frame titled "1. <No frame title spec... (8936)". The frame content includes:

- A heading: "Showing Relationships in Links Sidebar (FX-LINKS-02)"
- A status: "(Ready for review)"
- A note: "Note: this is not intended to show the visual design. That will be specified separately."
- Timeline entries:
 - March 30, 2010 - First draft complete
 - April 5, 2010 - Updated based on review with Janet and Bill

At the bottom of the interface, there is a storyboard navigation bar with 10 frame thumbnails, numbered 1 through 10. The IBM logo is in the bottom left corner, and the "Jazz" logo is in the bottom right corner.

Participant's Review – Storyboard – Frame 2

The screenshot shows the Rational Requirements Composer interface. At the top, the title bar reads "Rational Requirements Composer" with the user name "Robin R. Bater" and a "Log Out" button. Below the title bar is a navigation bar with "Dashboard", "Projects", and "Recently Viewed". The main content area displays a storyboard frame titled "2. Link... (8936)". The frame contains a sidebar with sections: "Overview", "Comments (0)", "Links (n)", "Parent (1 of 1)", and "Children (2 of 2)". The "Links (n)" section is expanded, showing a "Linked artifact". The main content area contains placeholder text "Lorem ipsum".

Review annotations are present in yellow boxes on the right side of the frame:

- 1** No Requirements section. All links are in the Links section now.
- 2** Links are grouped by relationships (Link ty...
 - * Each section can open/close.
 - * Keep related roles together (e.g., parent/c
 - * We can also allow setting an order in link
- 5** No "(from element name)" info in the links

At the bottom of the storyboard, there is a sequence of 10 frames, with frame 2 currently selected. The IBM logo is visible in the bottom left corner, and the word "Jazz" is written in the bottom right corner.

Participant's Review – Storyboard – Frame 3

The screenshot displays the Rational Requirements Composer interface. At the top, the title bar reads "Rational Requirements Composer" with the user name "Robin R. Bater" and a "Log Out" button. Below the title bar, there are navigation tabs for "Dashboard", "Projects", and "Recently Viewed". The main content area shows a storyboard frame titled "3. Link items (8936)". The frame is currently in a "Reviewed" state, indicated by a green checkmark and a "33% reviewed" progress bar. The frame content includes a "v Links (n)" section with a toolbar containing icons for editing, deleting, and linking. Below this, there is a "v Parent (1 of 1)" section with a "Linked artifact" and a "v Children (2 of 2)" section. The bottom of the interface shows a storyboard navigation bar with 10 frames, with frame 3 selected. The IBM logo is visible in the bottom left corner, and the "Jazz" logo is in the bottom right corner.

Participant's Review – Storyboard – Frame 4

The screenshot displays the Rational Requirements Composer interface. At the top, the title bar reads "Rational Requirements Composer" with the user name "Robin R. Bater" and a "Log Out" button. Below the title bar, there are navigation tabs for "Dashboard", "Projects", and "Recently Viewed". The main content area shows a storyboard frame titled "4. Selecting ... (8936)". The frame contains two paragraphs of placeholder text: "Lorem ipsum Lorem ipsum Lorem ipsum ..." and "v Parent (1 of 1)" with a "Linked artifact" section. A sidebar on the right lists "Overview", "Comments (0)", "v Links (n)", "v Parent (1 of 1)", and "v Children (2 of 2)". At the bottom, a storyboard navigation bar shows 10 frames, with frame 4 selected. The IBM logo is in the bottom left, and the "jazz" logo is in the bottom right.

Participant's Review – Storyboard – Frame 5

The screenshot shows the Rational Requirements Composer interface. At the top, the title bar reads "Rational Requirements Composer" and the user "Robin R. Bater" is logged in. The main area displays a storyboard frame titled "5. Selecting ... (8936)". A yellow callout box contains the following text:

1 Similarly, selecting a paragraph will highlight the links from that paragraph.

We need this because we're not implementing the links dialog at the element level like we had in the 2.0 rich client.

The storyboard content includes a paragraph of Lorem Ipsum text, a "v Parent (1 of 1)" section with a "Linked artifact" icon, and a "v Children (2 of 2)" section. A bottom navigation bar shows frames 1 through 10, with frame 5 selected. The IBM logo and "Jazz" branding are visible at the bottom.

Participant's Review – Storyboard – Frame 6

The screenshot displays the Rational Requirements Composer interface. At the top, the title bar reads "Rational Requirements Composer" and the user "Robin R. Bater" is logged in. The main area shows a storyboard frame titled "6. Rich hover (8936)". The frame content includes several paragraphs of "Lorem ipsum" text and a list structure with sections: "> Overview", "> Comments (0)", "v Links (n)", "v Parent (1 of 1)", "v Children (2 of 2)", and "Linked artifact". A yellow callout box with a red number "2" points to the "v Links (n)" section, containing the text: "All items in list should have rich hover, including CALM and RM links." Below the main content is a storyboard navigation bar with thumbnails numbered 1 through 10, where frame 6 is currently selected. The IBM logo is in the bottom left, and the "Jazz" logo is in the bottom right.

Participant's Review – Storyboard – Frame 7

The screenshot displays the Rational Requirements Composer interface. At the top, the title bar reads "Rational Requirements Composer" with the user name "Robin R. Bater" and a "Log Out" button. Below the title bar, there is a navigation area with "Dashboard", "Projects", and "Recently Viewed". The main content area shows a storyboard frame titled "7. Creating ... (8936)". The frame contains several panels: "Overview", "Comments (0)", "Links (n)", "Parent (1 of 1)", and "Children (2 of 2)". A context menu is open over the "Links (n)" panel, showing options: "Create new link for artifact" and "Create new link for 'Lorem ipsum Lorem ipsum...'". The bottom of the interface features a storyboard navigation bar with 10 frames, with frame 7 selected. The IBM logo and "Jazz" branding are visible at the bottom left and right respectively.

Participant's Review – Storyboard – Frame 8

The screenshot displays the Rational Requirements Composer interface. At the top, the title bar reads "Rational Requirements Composer" with the user name "Robin R. Bater" and a "Log Out" button. Below the title bar, there are navigation tabs for "Dashboard", "Projects", and "Recently Viewed". The main content area shows a storyboard frame titled "8. Sort and ... (8936)". The frame contains a list of requirements, with the first one highlighted in yellow. A context menu is open over the highlighted requirement, showing options: "Sort by Artifact Name", "Sort by Artifact Type", and "Sort by Date Last Modified". To the right of the frame, there are two yellow callout boxes with numbers 5 and 2, containing review comments. The bottom of the interface shows a storyboard navigation bar with frames numbered 1 through 10, where frame 8 is currently selected. The IBM logo is visible in the bottom left corner, and the word "Jazz" is written in the bottom right corner.

Participant's Review – Storyboard – Frame 9

The screenshot displays the Rational Requirements Composer interface. At the top, the title bar reads "Rational Requirements Composer" with the user name "Robin R. Bater" and a "Log Out" button. Below the title bar, there are navigation tabs for "Dashboard", "Projects", and "Recently Viewed". The main content area shows a storyboard frame titled "9. Group by ... (8936)". The frame contains a grid of "Lorem ipsum" text and a sidebar with a tree view showing "Overview", "Comments (0)", "Links (n)", and "Project 1" with "Linked artifact (Parent)" and "Linked artifact (Child)". A context menu is open over the "Project 1" section, listing options: "Sort by Artifact Name", "Sort by Artifact Type", "Sort by Date Last Modified", and "Group by Relationship". At the bottom, a storyboard navigation bar shows 10 frames, with frame 9 selected. The IBM logo and "Jazz" logo are visible in the bottom left and right corners, respectively.

Participant's Review – Storyboard – Frame 10

The screenshot displays the Rational Requirements Composer interface. At the top, the title bar reads "Rational Requirements Composer" and the user "Robin R. Bater" is logged in. The main area shows a storyboard frame titled "10. Addition... (8936)". The frame content includes a "v Project 1" section with "Linked artifact (Parent)" and "Linked artifact (Child)". A "33% reviewed" progress indicator is visible. Two yellow review annotations are present:

- 1 Filter**: Filter by relationship (link type) will be more important than filtering by artifact type, although I guess we could keep filtering by artifact type.
- 2 Highlight**: We will need to support highlighting like the rich client has.

At the bottom, a storyboard navigation bar shows 10 frames, with frame 10 selected. The IBM logo and "Jazz" branding are visible in the bottom left and right corners respectively.

Participant's Review

Rational Requirements Composer
Robin R. Bater | Log Out |

Dashboard Projects ▾ Recently Viewed ▾

Links in sidebar ▾
?

(...)

Participant's Review: ✓ Reviewed | Your role: Optional Reviewer | Done

Select an artifact below to start your review.

Due: Monday, April 12, 2010

Instructions to reviewers: I think this is done enough for reviewing, and to begin working from, unless there are obvious problems you see. ⬆
The storyboard is the main document to review... the other document just lists some of the remaining open issues. ⬇

Artifacts to Review

Click on an artifact name to open the artifact for review, or select the row and complete the review from this table.
Artifact versions are live

	Artifact	Version	Status	
<input type="checkbox"/>	SB-TRACE-003 Links sidebar interaction	Apr 8, 2010 12:46 p.m.	✓ Reviewed	<div style="border: 1px solid #ccc; padding: 2px; font-size: 0.8em;"> ✓ Reviewed ▾ ⊘ Abstain ▾ </div>
<input type="checkbox"/>	FX-LINKS-02 Traceability in links view	Apr 10, 2010 10:39 a.m.	✓ Reviewed	

+
 Overall Review:
 Draft
→
 In progress

33% completed

→
✓ Reviewed
→
 Finalized

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Overall Review

Rational Requirements Composer
Robin R. Bater | Log Out |

Dashboard Projects ▾ Recently Viewed ▾

Links in sidebar ▾

Participant's Review: ✓ Reviewed | **Your role:** Optional Reviewer | Done

Select an artifact below to start your review.

Due: Monday, April 12, 2010

Instructions to reviewers: I think this is done enough for reviewing, and to begin working from, unless there are obvious problems you see.
The storyboard is the main document to review... the other document just lists some of the remaining open issues.

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<input type="checkbox"/>	FX-LINKS-02 Traceability in links view	Apr 10, 2010 10:39 a.m.	✓ Reviewed	⊘ Abstain ▾

Overall Review: Draft → In progress 33% completed → ✓ Reviewed → Finalized

Expand
jazz

Let's build a smarter planet.

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Overall Review

Rational Requirements Composer Robin R. Bater | Log Out

Dashboard Projects Recently Viewed

Links in sidebar

Participant's Review: Reviewed | Your role: Optional Reviewer

Overall Review: Draft → In progress 33% completed → Reviewed → Finalized

Due:

Instructions to reviewers: I think this is done enough for reviewing, and to begin working from, unless there are obvious problems you see. The storyboard is the main document to review... the other document just lists some of the remaining open issues.

Participants

Participant	Type of Participant	Review results
Bill Andreas	Optional Reviewer	
Daniel T. Moul	Optional Reviewer	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
Douglas H. Bush	Optional Reviewer	
Douglas Raith	Optional Reviewer	<input checked="" type="checkbox"/> <input type="checkbox"/>

IBM. *jazz*

Benefits



Key benefits experienced by the team

Increased the range and depth of stakeholder participation

Elicited more and better feedback before code was written

- ▶ In requirements
- ▶ In feature design

Less churn / rework

Converged faster on the “right” requirements

Identified gaps and clarified misunderstandings more quickly

Better productivity through lower cost, higher value communication

Developers and testers communicated better among themselves, especially across component teams.



Stakeholders

- Product managers
 - ▶ *“RRC made possible a new level of transparent collaboration between our various stakeholders... the product management team was more involved in early reviews of feature designs. Information was more visible, and RRC's collaborative platform made it easier to provide feedback on a daily basis. This led to better decisions made earlier, fewer surprises, and less rework due to misunderstood requirements.”* – Daniel Moul
- User Experience Designer
 - ▶ *“Using the UI sketches and storyboards, you can very quickly create some high level designs that illustrate the basic flow, UI components, layout, etc. You can then get immediate feedback from anybody on the product team and easily iterate on UI designs based on the feedback.”* – Kirk Grotjohn, User Experience Engineer
- Architects
 - ▶ *“Composer allowed me to enable scenario driven development and address the key pain points in defining integrations with other products. Rational Requirements Composer has definition techniques that brought clarity to aspects like Release Requirements, Green Thread/ Scenario Definitions, Technical Architecture, Data Model (Resource Representations), System Use Cases, Usability, and Integrations with other products. The Collaboration capabilities allowed me to quickly socialize with key stakeholders...”* – Vishy Ramaswamy, Architect

Stakeholders

- Quality Test Engineers
 - ▶ *“It was a “one stop shop” to get everything needed related to design and proposed implementation. This makes collecting input for testing easier”*
 - Mario Maldari, System Test Lead
- Developers
 - ▶ *“As a collaborative leader, Rational Requirements Composer is a perfect fit for me. It allowed me to share ideas easily using comments, sketches and textual documents”*
 - Devang Parikh, Development Lead
- Consultants
 - ▶ *“..As a member of the field I am not invited or able to attend many of the development discussions, so by spending 10 minutes, I log onto the self-host project dashboard and see what is new...and if there is clarification or contribution I can make I add a comment and direct it to the appropriate team member”*
 - Robin Bater

Rational Requirements Composer Customer Quote

“We have chosen to evaluate Rational Requirements Composer (RRC) in a number of pilot projects and we will potentially deploy it to more than 300 users. We are doing this as we believe that RRC will enable us to improve both the efficiency and effectiveness with which we perform business analysis in our development projects. This includes a faster path to identifying the right solution, describing what to develop and establishing a basis for follow-up on benefit realization.

We are especially looking forward to leveraging the many features in the tool that enable close collaboration with various representatives of the intended users of the solution being developed. As we work to further enable and adopt agile development practices in Danske Bank, RRC will be an important component in allowing us to scale agile development practices to meet the needs of a large development organization with an extensive portfolio of systems and a diverse set of stakeholders.”

Christian Michael Bornfeld

First Vice President, Architecture, Business Development and Test

Danske Bank

*Delivering greater business value faster with
lean requirements practices*



Rational Requirements Composer Customer Quote

“In general, the product is very simple and easy to use with a nice and customizable UI. The Web UI is a great addition to (Requirements Composer) v2 so that we can review, comment and verify artifacts with clients and other team members.”

- A financial consulting client

*Delivering greater business value faster with
lean requirements practices*



Rational Requirements Composer Customer Quote

“Our project team used RRC on a requirements definition project involving 13000 stakeholders and very tight timeframe to deliver.

We used RRC in our environment internally to capture and organize the client's existing documentation, to capture and organize our interview notes, whiteboard sketches, survey results etc. for re-work and ultimately assembly into a final deliverable document for the client.

RRC dramatically reduced the time taken to do internal assembly, discussion, and finalization of deliverable documents internally. If we had provided the client stakeholders with access, the time would have been reduced even more dramatically.

We integrated with Requisite Pro as we identified requirements to manage them formally and then brought back reports from Requisite Pro into the deliverable documents as we sliced and diced the requirements identified in different ways.

Although we did not use all the functionality of the RRC product on this particular engagement, I highly recommend the product for other consulting organizations, particularly if they can involve the client stakeholders in the collaborative process.”

- Brian Beveridge, Co-Founder, Greenridge Business Systems

***Delivering greater business value faster with
lean requirements practices***



Rational Requirements Composer Customer Quote

“Rational Requirements Composer has been engineered with the business analyst in mind. The vast array of options linking artifacts sensibly with one another give it a definite benefit over using older, document-based approaches to defining requirements. The web access to these artifacts brings the requirements domain into the current technology space. I can simply send a URL out for review over managing numbers of files for consensus. This product is clearly a step up from our current methodology.”

- *Randy Haven, IBM Global Business Services*

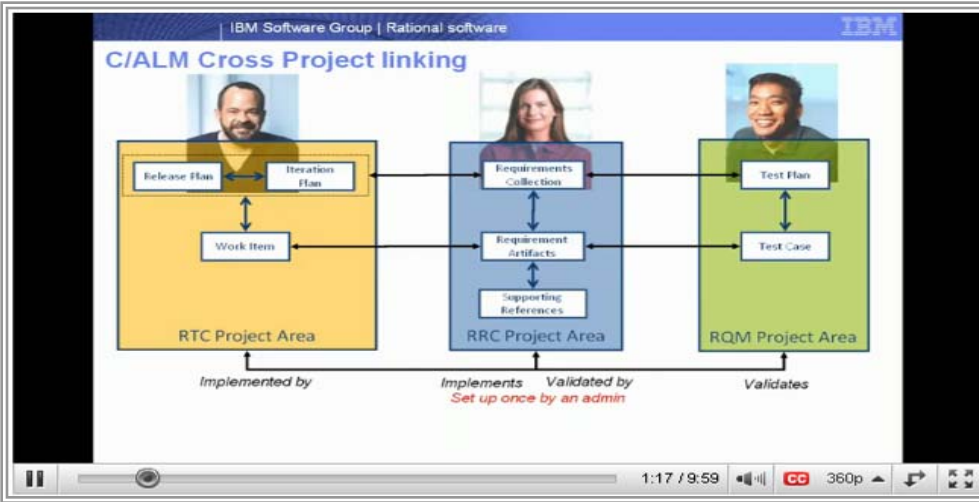
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lean requirements practices*



Questions



Videos: Rational Requirements Composer in Collaborative Application Lifecycle Management



See how Requirements Composer works with both Rational Team Concert and Rational Quality Manager

www.youtube.com/watch?v=rpNQiGsAhyU

IBM Rational™ Collaborative ALM Demo / The Jazz Revolution

Phil Johnson, Business Analyst and Product Owner

Mission: Transform good ideas into actionable requirements

Primary Solution: IBM Rational Requirements Composer

Activities:

- Reviews and prioritizes the next Jam Audition requirement
- Explores the requirement storyboard and team comments
- Reprioritizes scope of the next release
- Keeps the team focused on delivering value

VIVA LA JAZZ REVOLUTION

Business Analyst and Product Owner of Jam Session

Phil Johnson, Product Owner

Team Lead, Developer, Test Lead, Closing

Why requirements are the foundation of your collaborative lifecycle management solution



www.ibm/software/rational

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