



# Title: Using IBM Rational Requirements Composer in the real world

Name: Jared Pulham – Sr. Product Manager, CLM Tools Jared.pulham@uk.ibm.com







# IBM Rational Requirements Composer 4.0.4 Requirements Management for the Development Lifecycle

### **Rational Requirements Composer**



- Rich-text documents
- Diagrams: Process, Use Case
- Storyboards, UI sketching & flow
- Project glossaries
- Templates (formal/agile)

### Visibility

- Customizable dashboards
- Project dashboards
- Analysis views
- Collections
- Milestone tracking & status

### Collaboration

- Review & Approval
- Discussions
- Email Notification



### Supports RequisitePro Data Migration



### Management

- Structure, Attributes/Types
- Traceability, Suspect Link
- •Filtering, Change History
- Tags, Reuse, Baselines,
- Reporting Metrics & Doc.

### Improved!

### Lifecycle

- •Central requirements, test, & development repository
- N/AS Clustered Server
- WAS Clustered Server
- Common admin and role-
- based user licensing
- Warehouse reporting

### Planning

- Integrated planning
- Effort estimation
- Task management



### IBM Technical Summit > Stay ahead.

## Rational CLM solution for Software/IT using requirements

### **Rational Requirements Rational Team Rational Quality** Composer Concert Manager will that sing that the Previous | 1 | Next ID Name Artifact Type Implemented By Validated By 8 Feature Dividend allocation by percentage 75: Dividend Allocation by Percentage 18: Dividend Allocation by Percentage 11 Feature organization for 67: Customers can Nominate an 21: Customers can nominate an 📄 Requirements 🔀 organization for the program Organization 10: Customers can Nominate an Development 🔀 Organization 3 12 💼 Donor Dividend Allocation Criteria Feature 73: Donor Dividend Allocation Criteria Allocation Criteria Quality 9 Satisfied by 23 🗟 Frequency of dividend transfer Feature 58: Frequency of dividend transfer 1: Frequency of dividend transfer

Real-time Planning, Lifecycle Traceability, Team Collaboration, Development Intelligence, Continuous Improvement



# How Would you use RRC for development in the real world?



# Who needs requirements?



access to requirements



# What is your Development Process?

- How much Requirements Analysis?
  - Agile purists who argue 'do none or at the most don't do much because the requirements will change'
    - "Rather than coming up with a bunch of features and planning a multi-month release, come up with new ideas continually and try them out individually on users."
       1
  - Traditionalists who want to do as much as possible, because we need to know we are doing the right thing before investing
    - "For the second consecutive year, IAG found poor requirements definition and management consume over one-third of IT's application development budget." 2
- Context Determines the Approach
  - Both the agile approach and the verifiable approaches to requirements engineering are appropriate in their own context. Projects with a lot of change that need to get out to the market quickly might be best done with high-level, low-ceremony requirements practices.
  - Stable projects with safety-critical implications could best be done with a plan-driven, well-documented specification.





# Waterfall Development Process







# RM key activities for Waterfall

- ✓ Analyze the (Customer) Problem
- Understand (Document) Stakeholder Needs
   Agree requirements up Front
- Define the System (Requirements)
  - Trace to Stakeholder Requirements
  - Agree System Requirements
- ✓ Manage the Scope of the System
  - Track progress of project requirements
  - Manage traceability/impact coverage
- Refine the System Definition
- Manage Changing Requirements
  - Change Requests (tracked through RTC)





# **Consider an Agile Approach**





# Agile Development Using Requirements





# Agile requirements techniques

- Story telling
- Story cards
- Story boards and sketches
- User stories and Story Points
- Requirements stacks
- Writing just enough requirements
- Talking rather than writing
- Not designing screens too early

Step 1	Step 2	Step 3	Step 4
Greet the customer	Determine their need	Perform identification	Retrieve account details

### Storyboards



Story cards





# How will your requirements work together?



IBM Technical Summit



## How will your requirements Relationships Trace Together?



IBM Technical Summit



# How Rational use Requirements Composer for development in the real world





### **RRC Product Team**





## IBM agility@scaleTM – our team self-assessment







## We do much of our work on <a href="https://jazz.net/rm/web">https://jazz.net/rm/web</a>

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(jazz.net)	Project Members	Recent Changes in All Projects (6)	S Comments in All Projects (0)
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Rational Quality Manager (RM) RM Product Definitions (RM)	Email barrymcintosh@uk.ibm.com Name: Ayako Nagayama Email eb64898@jp.ibm.com	Capability vs product name (9749) Last Week Capability vs product instance - term discussion (1533) Last Week Wrapped resource (3230) Apr 13, 2012	Reviews in RM Product Definitions (RM) (0 of 0)
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· IBM

· View the group docussions about these requirements

### We release milestones <a href="https://jazz.net/downloads/">https://jazz.net/downloads/</a> for feedback





### For the two projects we support

- Rational Requirements Composer
- <u>https://jazz.net/projects/rational-</u> requirements-composer/

- DOORS Next Generation
- https://jazz.net/projects/rational-doors/





## Architectural End Goal for Rational RDM Tools

- Requirements visibility and traceability across the lifecycle
- Open integration architecture built on the Jazz Team Server
- Integrations using Open Services for Lifecycle Collaboration (OSLC)





## Drinking Our Own Champagne

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## Typical feature evolution

- . Stakeholder describes the feature
- 2. Product Manager then creates Plan Items
- 3. Product Manager then Ranks the Plan Items
- 4. Product Manager describes the business scenario and related requirements
- 5. Architect defines the workflow and oversees design
- 6. User Interface designers then developed mockups
- 7. Development team developed incremental solutions, creating "Stories" based on Plan Items
- 8. Test team creates test cases based on Stories and UI design documents, tests drivers, opens defects.
- 9. We use milestone drivers to obtain feedback from the stakeholders





## Sources for our Requirements – Everywhere!





## Our Artifacts in RRC and RTC





## Plan Items - Ranked

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### Plan Items – Release Plan (RM) Dashboard

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88 Product Certritorina (RW) > Reviews Scope (DCP) + 2013 hyur Regularements 99229: Common - Module Not	ef Description e. This type of feature is often called "Suspect Link".	Comments (5)
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Brief Description Use relation Module is where people suthor, structure, reuse, link requirements, and Business Justification Link requirements	The need link relationships between two requirements (in two ALM elements) users need an automated method to identify the (data) change status to the isonabig link is created between two requirements (in two ALM elements) users need an automated method to identify the (data) change status to the isonabig link is created between two requirements (in two ALM elements) users need an automated method to identify the (data) change status to the isonabig link is created between two requirements (in two ALM elements) users need an automated method to identify the (data) change status to the isonabig link isonabig with the link has become "Suspect" or there is "Change Suspicion". Is are suspect or not suspect depending on the user's perspective and which direction the link is being examined. For example suppose that the intervent for a particular link was modified since the link was created. The parson making a modification typically is aware of links in requirements ed by them and they make requirement, the change in the context of the link presence. From the perspective of this requirement, the change is not the link was created.	Mark of gotter (1946)     We don't really have "owners"     I don't believe "Owner" is a system statibute, so     I'm not sure we can base things on artfact,     document or collection owners.      Sec. Jaced Putham to Daniet Mout Kirk
Module is a key feature that brings together different RM capabilities to more	Stication and the link would not be suspect.	RE: We don't really have "owners". IRE #31
Scope How the	rever from the perspective of the opposing requirement (on the opposite side of the link) the modification may be significant and that change was de without their knowledge. So therefore from the perspective of the opposing requirement (or link) the change is suspect. The user on the other end of link needs an automated way of recognizing this change and provided with the features to examine the change and remove the suspicion or resolve suspicion by changing the value of the requirement on the other end of the link to validate the link relationship.	The term owner was really just referencing the user of the collection, document, etc. Ive changed the word, as these are user level requirements. Thanks for the feedback.
Note:		and the second second second second second second
This document defines some User Requirements that may be broken But	siness Justification	1. Secret DeCando to Jared Putham, tina shun Jul 20, 2011 (1 rsph) What about score attributes not trippering
Definitions Link devices the second s	c Suspicion in a requirements management tool is vital to many businesses and critical to those who rely on traceability consistency in their elopment process. Link Suspicion is now a well understood capability (not market differentiating) and would be quickly identified as a significant ket gap if not provided as a feature or properly implemented. There could be ideas or methods to extend the basic concept of link suspicion to create setting market differentiating.	some customers have asked to allow some attibutes changes on requirements not to trigger suspect state. Examples include development stime devinetity etc.
Originating requirement / artiflact - a requirement / artiflact that     mar	a feature that was originally developed in a requirements management discipline for tools like RequisitePro and DOORS. It is a capability that is datory to many organization's processes and extends beyond requirements to any tool in the development lifecycle where traceability has been	Balligs, der promit, etc.
Requirement instance / artifact - a new instance of an original     app	fied.	The Aug 17, 2011 HE: What about some attributes not
Key Functions Sc	ope	triggering suspicion? (RE #1) Yas sherikitaki kuse sumrisari thati mesori Limita
Modules as Artifacts	* Constinue	Where Used
<ul> <li>A Module shall behave like any existing RRC Antifact. By this we from the mile high perspective of the RRC Project Dashboard, I</li> <li>The Module as an Artifact is a completely separate concern from</li> <li>So with respect to Modules as Artifacts in their own right, the following the f</li></ul>	mean that the set of base behaviors we see in today's RRC Artifacts (Text Artifacts etc) are also present in Module Artifacts. For example, vodule Artifacts would be virtually indistinguishable from Text Artifacts. In the Module's role as a container of Artifacts. This is how Collection behaves today towing operations can be applied:	

- Commenting
- Reviews

.



# User Requirements Satisfied by Software Requirements (in RRC)

Artifacts 🖓 Page size: 20 -		Software requirements that satisfy User requirements		- 🗐 No grouping 👻 🔚 🞼 🗇 🎵	
	ID	Name		Artifact Type	Satisfied By
	317	Common - Type and Attribute Management S	ystem	User Requirement	Step 386:Type System
	318	Common - Audit History		User Requirement	[⊖] 390:Audit History
	323	Common - Relationships for Traceability Stru	ucture	User Requirement	[⊖] 392:Traceability
	324	Common - Multi-level Traceability View		User Requirement	[❷] 392:Traceability
	325	Common - Database Wide Query		User Requirement	<ul> <li>384:Sample queries and views</li> <li>383:Saved query</li> <li>393:Search</li> </ul>
	333	Glossary Tagging Capability		User Requirement	[❷] 391:Glossary and Terms
	334	Sketching/GUI Wireframe, Storyboards Facilit	ty	User Requirement	457:Enable installation and upgrade of artifact plugins and extensions
	335	Juse Cases and Process Diagram Infrastruct	ture	User Requirement	457:Enable installation and upgrade of artifact plugins and extensions
	336	Common - User Collaboration		User Requirement	State of the second sec
	338	Common - CSV Data Import (Attribute Import)	)	User Requirement	388:CSV import and export
	339	Common - CSV Export: View Based		User Requirement	388:CSV import and export
	340	Common - Requirements Document Import	(Data Parsing)	User Requirement	389:Import a Word document and convert it to a rich-text artifact
	341	🗐 Common - Word Export		User Requirement	382:Printing requirements artifacts and collections





## User Requirements Implemented By Plan Items





Stay ahead.



### Top 2 Features - Plan Items (RTC)

Summary	1										
🖉 DNe	DNextBeta1 (PMC_Reg UX) [RM] Core Module support										
CLM PMC_Reg UX [RM] Suspect links 169220/164497											
Status: Testing A Resolution: Unresolved											
Туре:	Plan Item		Planned For:	RRC 4.0 (CLM 2012)							
Filed Against:	Collaborative ALM		Estimate:								
Theme:	Consumability		Time Spent:								
Progress:	71/71Story Points   608.25/608.25	hrs 100%	Due Date:	Unassigned							
Tags:	mba, clm_required, elaborated, rro cust_412+, pmc_requested, doors ux_assigned, avp@stg, avp, banco voicenov2011	c.toprank, snext, odbrasil, bb,	Creation Date:	June 28, 2011 2:05 PM							
Owned By:	Marc Baumbach		Created By:	Muhtar Akbulut							
Team Area:	Collaborative ALM / Requirements	Management	Severity:	Oritical							
Priority:	High		Found In:	Unassigned							
Quick Informat	tion										
Children (18): 45327, 52076, 52078, 52079, 52079, 52099,											
🏭 Depends On (1): 45324 🛛 🔩 Implements Requirement (1)											
Related (5): 46079, 46301, 48223, 51545, 52999											
C Mentions (2	2) ange Management (1)	凝 Mentioned By	(4)								
Description Lifecycle tracea	ability is a key aspect of the CLM solu	ition. After a traceat	pility link is crea	ated							

between two requirements (or two CLM elements) users need an automated way to identify the (data) change status of requirements on both ends of the links.

This plan item is to implement a detailed user requirement. For requirement details, please follow the link in the Links tab.

Ŧ

#### 44243: [RM] Core Module support 23 . Status: Implementing ш Resolution Unresolved Details Plan Item Planned Future Release Type: For: Filed Server Estimate: Against: Theme: Unassigned Time Spent: Progress: Due Date: February 24, 673/730Story Points | 2,928/3,036hrs 77% 2012 12:00 PM Tags: mba, elaborated, doorsnextbeta1, rrc.toprank, Creation June 28, 2011 2:05 PM cust\_412+, pmc\_requested, ux\_assigned, Date: avp@stg, rrc.35.qcert Owned By: Chris McGraw Created Muhtar Akbulut By: Server / Requirements Management Team Severity: ① Major Area: Priority: 📕 High Found In: Unassigned Quick Information R Children (201): 44434, 44766, 45016, 45205, 45238, M Attachments (1): 16878 😹 Subscribers (16): AC, BS, CH, DM, DC, GD, HH, ig, ... Duplicated By (1): 37797 Implements Requirement (2) Tested By (5) E Related (5): 45448, 45449, 45937, 46300, 48220 Hentions (15) Hentioned By (12) Related Artifacts (3) Description Provide support for Modules in both rich and web clients: Modules appear in folders as artifacts (they have a type and attributes) Add, remove, move modules in folders View of module contents - scalable grid representation reflecting tree structure Structured tree of artifacts (textual, wrapped and RRCx) Visibility of links in the module view Reviewing a module (commenting, book like reading experience - smooth, continuous) Show Less



× Show Less

## Suspect Links - Plan Items Decomposed to Child Stories

Project Dashboards V Work Items Plans Builds Reports V Work Items Plan Item 44275 Plan Item 44275 Summary: [RM] Web Client Suspect links 169220/164497 Overview Commitment Execution Done Criteria Test Lint Attachments Add File: Browse	Status:       ✓ Testing         Resolution:       Unresolved         Details       Image: Story         Type:       Story Points:         Small (3)       Time Spent:         Filed       RRC Web Client	Q     ▲       Save     ↓       2012 8:38 AM     ■       Add     ■
Plan Item Stories         Links         Add:       related +         Children         + 1       145327: Requirement and Architecture Review: Suspect Link         + 1       152209: Implement suspect profile crud service         + 15       52210: Implement suspect entry crud service         + 15       52211: Implement suspect query service	Progress: Tags: Owned By: Tested By: Tested By: Team Area: Web Client / Requirements Severity: Priority: Planned For: Quick Information Priority: Planned For: Quick Information Partick Danford December 14, 2011 5:27 PM Christian Funkhouser Normal Severity: Planned For: Quick Information Partick Danford December 14, 2011 5:27 PM Christian Funkhouser Normal Severity: Planned For: Quick Information Partick Danford December 14, 2011 5:27 PM Christian Funkhouser Normal Priority: Planned For: Quick Information Parent 44275 Subscribers (3): CE MB PD	la Silva
<ul> <li>→ 1 52212: Implement TRS client for calculating suspect entries</li> <li>→ 5 52213: Implement link triple store for holding CLM links</li> <li>→ 5 52214: Implement suspect profile management web UI</li> <li>→ 5 52215: Implement suspect query in traceability views</li> <li>→ 5 52217: As a user, I will be able to clear suspect links from artifact editors</li> <li>→ 5 52078: As a user, I will be able to identify suspect links in the artifact editors</li> </ul>	Duplicated By (1): 52215     E Related (1): 53725     FVT test cases approval: Approved (1 of 1)     Description     As a user, I will be able to identify suspect links in tt     - Artifact overview section	1103 - Suspicion text editor - ection, Test Case sicion in
<ul> <li>→ [] 52076: As a user, I will be able to run reports on suspect links</li> <li>→ [] 52076: As a user, I will be able to define suspect profiles from the web</li> <li>→ [] 53043: Provide discovery service for the suspect profiles admin UI</li> <li>→ [] 54096: As a user, permissions should work around suspect links</li> <li>→ [] 54742: As a user, I will be able to identify suspect links from the grid</li> <li>→ [] 54741: As a user, I will be able to clear suspect links from the grid</li> <li>→ [] 55258: As a user, I will be able to export the suspicion column to CSV</li> <li>→ [] 57600: Allow RM to support TRS</li> </ul>	Annact minks stored at Discussion      1. Patrick Danford, Feb 15, 2012, 11:50 AM      Show More	-

## Plan Items - Release Plan in RTC (Lifecycle View)

Plan Items		Links	s to Requirements	Links to Test Cas	ses
Summary	Rank	Business Value	Implements Requirement	Tested By Test Case	Feature Tea Architect
🔸 🕨 💋 [DOORS Next] Core Module support	1	😂 10 - Show Stopp			🖁 Unassig   🖁 ian green
🕨 🧬 [RM] Core Module support	2	① 7 - Priority	Links (2): 1, 2	🏣 Links (5): 1, 2, 3, 4, 5	🖁 Chris Mc  🖁 ian green
↓ ↓ (RM] Artifact sharing, potentially controlled r	5	① 7 - Priority	📳 636: Common - Support for requirements reuse		🖁 Chris Mc  🖁 ian green
IRM] Web Client Suspect links 169220/164	6	○ 2 - Nice to Have	330: Common - Link Suspicion	🍇 Links (7): 1, 2, 3, 4, 5, 6, 7	👗 Marc Ba   🛔 George De
💭 [RM] Backlinking - Query service consumpti	7	🛈 7 - Priority	296: Common - Linking	East Case 56706 - RRM_Req2De	🖁 Marc Ba 📲 Vishy Ram:
IRM] Finer grained WRITE access control	8	① 7 - Priority	495: Manage Security on Data	🍇 Links (2): 1, 2	🖁 Mark Go 🛔 Dominic Tu
IRM] Improve upgrade experience 169175	9	① 7 - Priority	342: Data migration from RRC 2.0.x	Test Case 51839 - RRM_RRC_Ac	🖁 Alastair : 🛔 Devang Pa
IRM] Requirements Parsing (rich-text/conve	10	① 7 - Priority	퉳 340: Common - MS Word Document Import (Data	🍇 Links (3): 1, 2, 3	🖁 Min Idzel 📲 Vishy Ram:
<ul> <li></li></ul>	11	① 7 - Priority		Test Case 55020 - RRM_RRC_Se	🖁 Devang 🛛 🖁 Devang Pa
IRM] Adopt clustering for HA and/or horizont	12	① 7 - Priority	퉪 Links (3): 1, 2, 3	🍇 Links (2): 1, 2	🖁 Knut Ra 📲 Devang Pa
↓ Ø [RM] Web Client Baselining modules for au	13	O 2 - Nice to Have	Enks (2): 1, 2	📲 Test Case 52582 - RRM_AlignIT_F	🖁 Tim Neil  🖁 ian green
🔸 🕨 🧬 [DOORS Next] Type Based Link Preferences	14	① 7 - Priority	🖏 739: Link Schema Control User Stories		🖁 Lynne K   🖁 Ed Gentry
[RM] Group access rights	15	O 2 - Nice to Have	495: Manage Security on Data	Test Case 52458 - RRM_AlignIT_	🖁 Mark Go 🖁 Dominic Tu
↓ Description: A state of the state o	16	O 2 - Nice to Have	퉪 1442: Module Wide Find and Replace	Test Case 52582 - RRM_AlignIT_F	🖁 Lynne Ki 📲 Ed Gentry



## Other Requirement Elaboration Artifacts in RRC

- End user scenarios
- Feature team supporting documents
- UI design documents
- Terminology
- Meeting minutes
- Customer feedback (e.g., beta program, DPP, etc.)
- Process documents





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## **End User Scenarios**

Project Dashboard Artifacts ~ Collections ~ R	leports 🗸				
Create Scenario	Artifac	cts 🔋			
▶ Views	Page siz	e: 20 •			
▶ Filter by Tag	Image: A state of the state	- ID	Name 🔺	Artifact Type	Last Modified By
► Filter by Attribute		289	Author, Structure and Reuse Requirement	Scenario	Richard Watson
▼ Filter by Folder			Artifacts		
🖃 🗁 RM Product Definitions_Private (F 📤		434	🗟 Baseline	Scenario	Richard Watson
🗈 🗁 1. README FIRST		424	Collaborate on requirements through review and comment	Scenario	tina zhuo
- C Scenarios		408	🗟 Create and Manage a DOORS Next project	Scenario	Richard Watson
BOOKS Next Generation		554	🗟 DOORS Next Beta 1 Scenario	Scenario	George DeCandio
ELM		1570	DOORS Next Beta 2 Scenario (Replaced by Artifact 2114)	Scenario	tina zhuo
Collaboration		9759	DOORS and DOORS NG Interop Scenario for 2012	Scenario	tina zhuo
🗁 CLM 2012 Retrospective N		426	Data Import, Export and Printing	Scenario	tina zhuo



### **Beta Scenario**

### 554: DOORS Next Beta 1 Scenario <sup>3</sup>

### Part 1. Product installation and figuration

### Role: Product administrator

- 1. Installs and configures DOORS Next server, DOORS Next Rich client and Web client.
- 2. Optionally install and configure CCM from the CLM offerings

### Part 2. User and project administration

### Role: Project Administrator

### DOORS Next Web Client

- 1. Project administrator manages users.
- 2. Project administrator creates a project using an out-of-box project template, and customize the type system. (Need a requirements engineering template for managing system requirements)

22

3. Project administrator assigns users to the project.

### Part 3. Task management

### Role: Project Manager & Requirements Engineer

### DOORS Next Web Client & CCM Work Item & Planning

Note: To complete this part of the scenario, CCM application from CLM needs to be installed and configured.

- 1. Project Manager does RM planning using work items, and creates the following RM tasks and assign them to Requirements Engineers,
  - · Define a folder hierarchy to organize requirements
  - · Create different requirements specifications (using modules) to capture stakeholder requirements, system requirements and subsystem requirements.
    - Use rich text artifacts
    - Import a Word
    - Import CSV
    - Import a ReqIF package from DOORS9 into a module.
- 2. Requirements Engineers view assigned tasks on the personal dashboard
- 3. Requirements Engineers start working on RM tasks

### Part 4. Importing, authoring, and linking requirements





## Suspect Artifacts – Feature Team Supporting Artifacts

		S rel	upporting artifacts ated to design and		
Project Dashboard <b>Artifacts</b> ~ Collections ~ Reports ~			implementation		
Create Supporting Doc 🗢 🗸	Artifa	cts 🔋			
▶ Views	Page si	ze: 50	· · ·		
▶ Filter by Tag		ID	Name	Artifact Type	Last Modified By
► Filter by Attribute		1321	Buspect Links Specification	Supporting Doc	Marc Baumbach
Filter by Folder		3175	B Suspect Discovery Service Specification	Supporting Doc	Marc Baumbach
\pm 🗁 Suspect links		1987	📳 Suspect Profile Storyboard	Storyboard	Marc Baumbach
🗁 Tracked Resource Set		1991	🗟 Suspect Scenarios	Scenario	Marc Baumbach
🗁 WC		740	🗟 Design Ideas for Suspect Linking	Supporting Doc	Vishy Ramaswamy
\pm 🗁 Write Access		117	🗟 Suspect link stories	Supporting Doc	tina zhuo
\pm 🗁 L3 Support					





## Suspect Artifacts – UX Design

Artifacts 2

Page size	: 20 -			📲 🔻 🗐 No grouping 👻 🔚 📫 🔗 뎼
	ID	Name	Tracked By	Link To
	1217	UX Plan for Modules	<ul> <li>46445: UX: Design for Navigating to a Module</li> <li>46448: UI Design for Representing, Managing and Customizing "Views"</li> <li>46451: UI Design for the basic display of (module) content in a grid in document mode</li> <li>46452: UI Design for manipulating artifacts in a module adding artifacts, creating artifacts, removing artifacts and reording artifacts</li> <li>46454: UI Design for Virtually Scrolled Grids (Grids</li> </ul>	<ul> <li>3267:UI Designs for module audit history</li> <li>1831:UX Review of Editing Modules</li> <li>1312:UI Design: Manipulating artifacts in modules</li> <li>1963:UI designs for commenting in modules</li> <li>1486:UI explorations for commenting on modules</li> <li>1365:Module look and specialized columns</li> <li>1366:Virtual Scrolling in Modules and GRIDS</li> </ul>
	UX ea	Plan (in RRC) for ch main feature		nks to UI design artifacts (storyboards in RRC)
	956	B UX Plan for Artifact Suspicion (web client)	<ul> <li>52552: UI Design: suspect links - profiles</li> <li>52554: UI design: suspect links - showing and acting on suspect links in RM</li> </ul>	廳 2861:UI Design for showing suspect artifacts 廳 2957:UI Design for Suspect Profile
	941	B UX Plans for Baselining Modules (web client)	46261: UX: Design for module baselines	🏢 940:UI Designs for baselining modules
	1038	B UX Plan for finer-grained write access	46838: UX: Design for finer-grained write access	<ul> <li>1510:UI Designs for permission presentation</li> <li>1367:UI Design for write access control (setting permissions)</li> <li>607:Write Access Stories</li> </ul>
	1197	B UX Plan for ReqIF (web client)	a 46419: UX design needed for basic RegIF import	📳 1386:UI design for Importing ReqIF (web



## **UI Design Storyboard (Suspect Artifacts)**



IBM Technical Summit



## **Glossary and Terminology Discussions**



Read more at jazz.net (https://jazz.net/library/article/812)



IBM Technical Summit

## 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.	



## Many WW Organisations Use RRC for Development

### Some real world examples from this year's North America Innovate:

- RM-1403 Thinking Outside the Box with RRC A Case Study from Accenture (Innovate 2012 Tue, Jun 4, 2013)
- RM-1893 How to Deploy Rational Requirements Composer in an IT Organization with 3000+ Developers - Case Study at Banco do Brasil (Innovate 2012 Wed, Jun 5, 2013)
- RM-1553 Rational Requirements Composer for Enterprise-Wide Deployment: The Good, the Bad, and the Ugly (Fidelity) (Innovate 2012 Wed, Jun 5, 2013)
- RM-1690 Requirements Management: An Enterprise Journey to the Promised Land (Nationwide) (Innovate 2012 Thu, Jun 6, 2013)
- RM-1294 Best Practices at Requisite Pro to RRC migration: A case study at SERPRO a Brazilian Federal Government software development company (Innovate 2012 Thu, Jun 6, 2013)





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