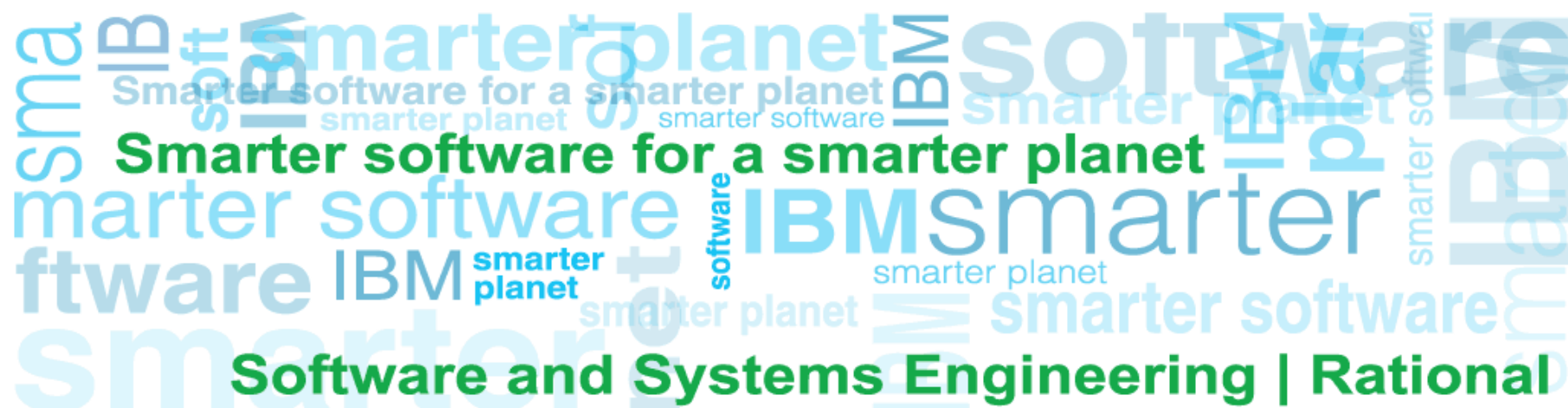

*What's New with
IBM® Rational® Requirements Composer 4.0?*



Agenda



Introducing Rational Requirements Composer 4.0

Traceability: Visualize and Detect

Projects: Manage and Maintain

Sharing Requirements

Good requirements practices are key to project success

More agility through light-weight requirement practices that scale

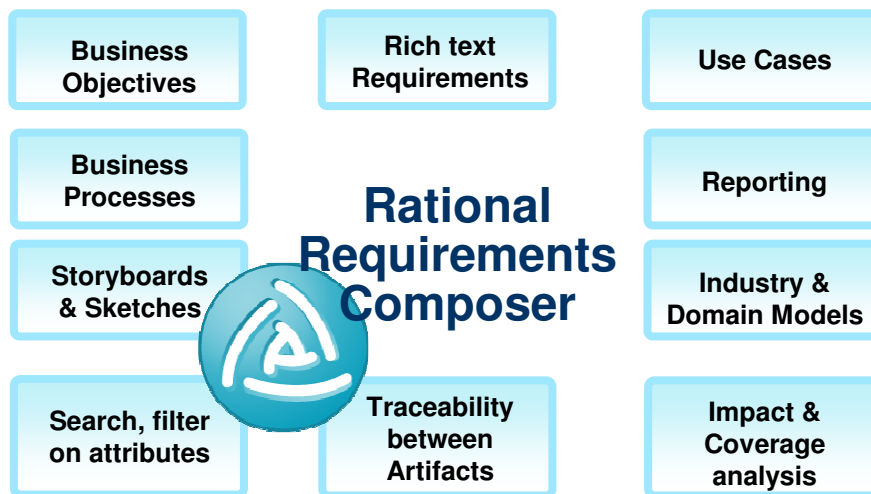
- **Respond quickly to changing priorities**
 - Learn and adapt as you go
 - Every project is a "voyage of discovery"
- **Work smarter**
 - Bridge your information islands
 - Become more agile at scale
 - Automate what you can to reduce errors and increase productivity
 - Reuse existing knowledge and good practices
- **Work together more effectively**
 - Align development and test activities with customer value
 - Improve information visibility and management of change



Realizing the value of requirements to drive effective business outcomes

Introducing IBM Rational Requirements Composer

Project driven requirements management for your global team



**Better requirements... Less rework...
 Better results!**

Combined Definition and Management

- ✓ Empower teams of all sizes/complexity to capture, define, analyze, manage, report
- ✓ Clear, centralized requirements eliminate redundancy and aid real-time development
- ✓ Develop using agile-at-scale and iterative processes in volatile markets

Lifecycle Solutions and Collaboration

- ✓ Align business, development and test effort using light-weight process
- ✓ Move beyond file based management with easy Word/Excel migration
- ✓ Engage project stakeholders early and regularly collaborate to improve quality

Improved Planning and Visibility

- ✓ Realise visibility using traceability across requirements, test, and development
- ✓ Provides up-to-date reporting based on your requirements
- ✓ Manage scope of development project

IBM Rational Requirements Composer 4.0 – Complete Picture

Requirements Management for the Development Lifecycle

Rational Requirements Composer

Definition

- 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

Management

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

Lifecycle

- Central requirements, test, & development repository
- Common admin and role-based user licensing
- Access Permissions**
- Warehouse reporting

Planning

- Integrated planning
- Effort estimation
- Task management



Supports RequisitePro Data Migration

Requirements Definition and Management for the Development Lifecycle IBM Rational Requirements Composer v4.0

- **Empower teams of all sizes and complexity** to define, analyze, manage, report with project requirements
- Improve **visibility and understanding** of requirements across the development lifecycle
- **Realize project impact and downstream visibility** using traceability across requirements, test, and development
- **Drive development forward** with agile-at-scale and iterative processes in fast paced markets
- **Customer and stakeholder collaboration** for improved agility and informed decisions



NEW!

IBM Rational Requirements Composer v4.0 highlights

- Enhanced enterprise deployment and scalability to support high availability and availability via clustering
- Extend and refined data access control and automatic requirements identification
- More solutions for analyzing traceability through graphical explorers and suspect link change identification
- Extended CLM lifecycle integration for Rational Design Manager (Beta) to trace and report requirements and models/elements

Graphical Traceability Links Explorer



All Project Members

Diagram view of related links

70: Dividend allocation by percentage

102: Allocating Dividends to a Cause

134: Allocate dividends by Percentage

144: Donor Chooses an Organization

131: Accelerate economic recovery

80: Donor Chooses Multiple Organizations

102: Allocating Dividends to a Cause

216: Donors can choose to support an organization

Display primary link labels

Select link types to show:
 Constrained By, Constrains, Satisfied By, Satisfies

Type to filter

Synonym
 Illustrated By
 Illustrates
 Constrained By
 Constrains
 Satisfied By
 Satisfies

Levels to expand: 2

Apply

40% 100%

Filter by Attribute
 Artifact type is: any of Feature
 Filter by Folder

Graphical Traceability Explorer

Capability

- Visually analyse traceability links for gap and change assessment
- Filter on relevant link types

Benefits

- Best method to see relationships from requirements to other requirements, test, development, etc.

Suspect Links



1 linked artifact has changed significantly:

Product Manager (1)
 5: Test Increasing Agility

Developer (1)
 5: Test Increasing Agility

Clear all
 Clear for profile
 Clear
 Clear for profile
 Clear

Suspect Links

Capability

- Use suspect profiles to track changes to linked requirements
- Use suspect notifications in many different areas
- Clear suspicion for individual/all

Benefits

- discover changes across trace links among requirements and other lifecycle elements
- Easily recognise impact to your requirements

Overview

349: Increase agility to produce applications and services

Description:
 Project: JKE Banking
 Team Ownership: JKE Banking
 Created On: Feb 27, 2012 9:44:28 AM
 Created By: p
 Modified On: Feb 27, 2012 9:45:07 AM
 Modified By: p
 Is suspect:

Links (1)

Validated By (1)
 5: Test Increasing Agility

Artifacts

Page size: 20

ID	Name	Artifact Type
349	Increase agility to produce applications and services	Business Goals
356	Accelerate economic recovery	Business Goals

Write Access Support Permissions



Write Access Support

Capability

- Set Write access permissions on a project role for the members of a project/team area

Benefits

- Control editing and modification to your project requirements, scenarios, and use cases

All Projects Dashboard



Projects Dashboard ✕

Capability

- Project level dashboard for all projects available for the project member

Benefits

- Easy Navigation to find project dashboard and artifact information
- Understand scope of total

My Projects

Collaborative Lifecycle Management - Requirements (RM)	Explore Dashboard	Show Artifacts
Rational Quality Manager (RM)	Explore Dashboard	Show Artifacts
RM Product Definitions (RM)	Explore Dashboard	Show Artifacts
Testing Purposes Only - CLM 2012 (Requirements)	Explore Dashboard	Show Artifacts

Project templates (download and upload)



JKE Banking (Requirements Management)

Upload Template + New Template

Name	Description	Artifacts	Artifact Template:	Attributes and Data Types	Links	Link Types	Folder Structure	Tags	Shared Views
Agile Requirer Template	This template will help you get started with agile requirements at scale.	⊘	✓	✓	⊘	✓	✓	✓	✓
Base		⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘

Project Templates Upload

Capability

- Download project templates from other repositories
- Upload and use the project in another repository

Benefits

- Reuse well established project templates for other projects
- Start new projects quickly with minimal setup and configuration

Project Managers & Team Leaders

Edit
 ✖ Delete
 Download

Requirements Parsing (from Word Documents)



Requirements Parsing

Capability

- Automatically identify imported requirements using keywords and document hierarchy

Benefits

- Quickly identify requirement with syntax standards using structure and key words

Import

1 Import 2 3 4

Select what to import

- Import requirements from within a text document**
Identifies and extracts requirements within the document (Word, OpenDocument, OpenOffice document).
- Import requirements from a CSV file**
Extracts requirements from a CSV file.
- Import requirements from a ReqIF file**
Import requirements defined in a Requirements Interchange Format file.
- Import requirements from a ReqIF file in this project**
Choose this option if you previously uploaded a ReqIF file and want to continue importing.
- Import a text document and convert to a rich text artifact**

< Back Next >

Import

1 2 3 Identify requirements 4

Specify how to identify requirements

Specify how to identify requirements

There are several criterion you can use to identify requirements within the document. For each criterion you want to use, specify the artifact type to create.

Headings

For each heading, create artifact type:

Term (Glossary Terms) [v]

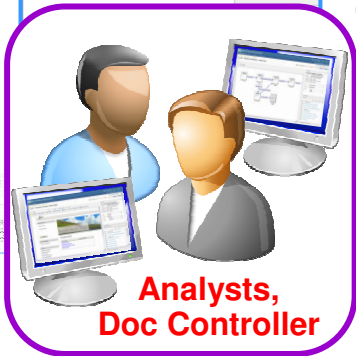
All other text

For all other text (not matching criterion above), create artifact type:

Vision (Vision document) [v]

Click next to begin importing the requirements.

< Back Next > Finish Cancel



Requirements Interchange Format (ReqIF)



ReqIF Manager
 Create and manage ReqIF definitions, which are used to create and export ReqIF files.
 No ReqIF definitions defined yet. Click on the "New Definition..." link below to create one.

ReqIF Definitions + New Definition...

Name
Mobile Banking

Name: *
 Description:

ReqIF Export

95%

Show Report Download Close

Include Folders

Artifacts + Add Artifact X Remove Artifact

Cancel Save

- ReqIF**
- Capability**
- Export requirements from projects using XML standard format ReqIF
 - Take project data to new database
- Benefits**
- Establish new projects based on existing requirements
 - Easily collaborate with partners and collaborator using export formats

1 2 3 Specify Import Options 4

Specify Import Options

Select Import Option

Specify the folder location to place newly created artifacts without a defined folder hierarchy.

Selected Folder Select Folder

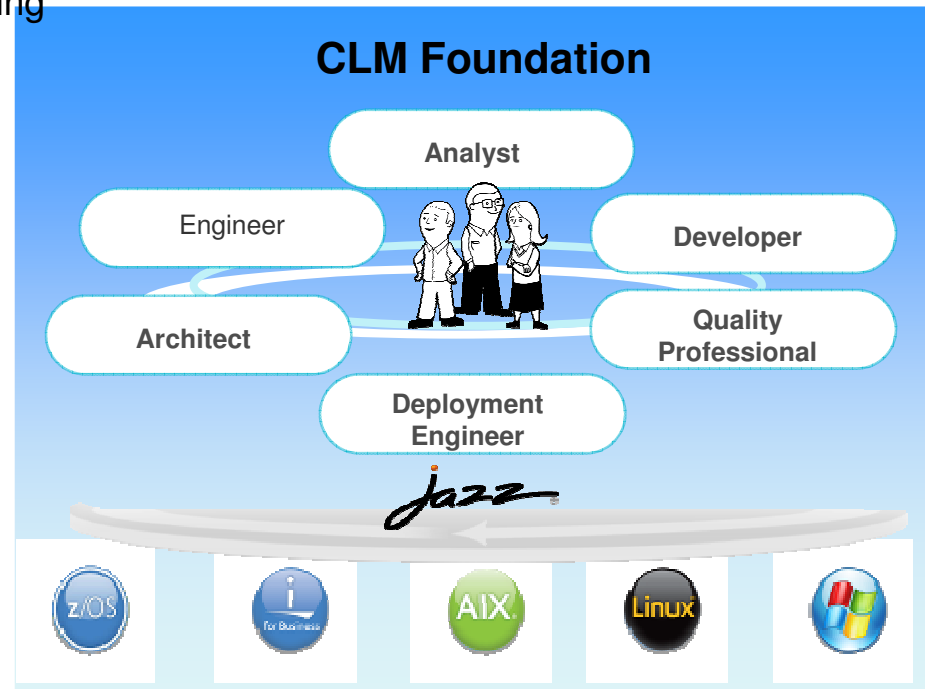
Place newly created artifacts with no module hierarchy in a user defined module.

Selected Module Select Module

Clustering for High Availability and Server rename



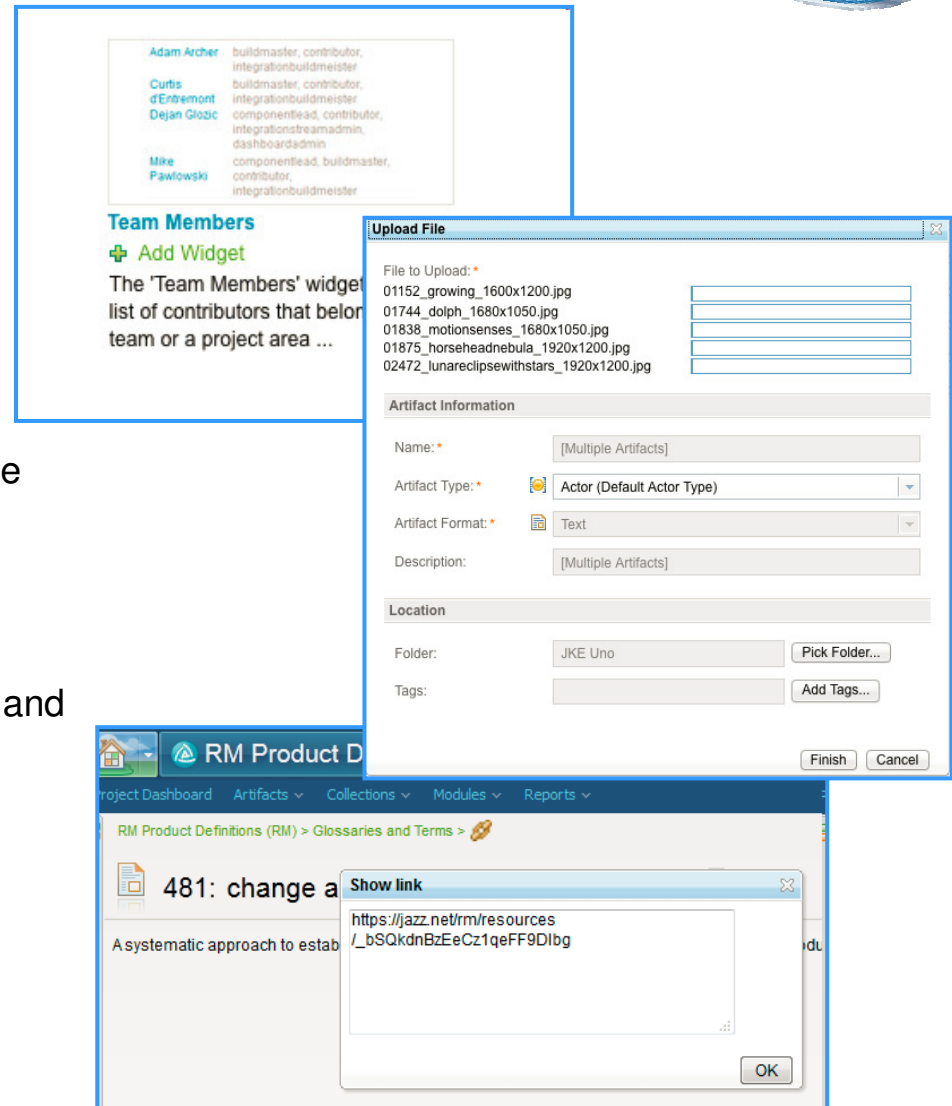
- CLM High Availability / Clustering on WAS
 - Enable WAS based High Availability via Clustering
 - Redundant application/JTS instances sharing central DB
 - Front load balancer dispatching, providing automatic failover
 - For subsequent HTTP requests
 - WAS supported cluster solution is WAS ND:
 - Deployment management
 - Workload management
 - Session failover
- Change the public URLs for one or more of the applications servers or in deployment



Many Other Improvements



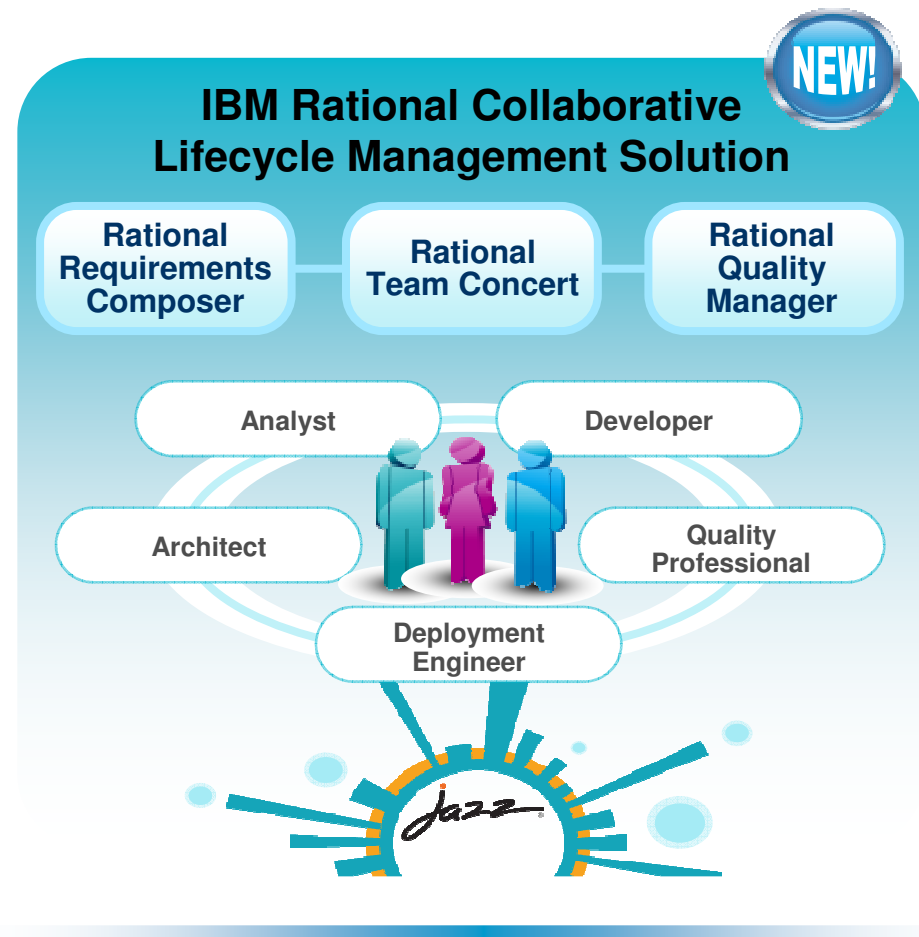
- Multi-File Upload
- Team Members widget
 - Providing better performance and usability
- New CK (Web) Editor
 - Breadcrumb for each artifact to access the simple URL, or permalink, of an artifact
- Usability enhancement: Simple URL
 - "Money That Matters," the JKE Banking sample, contains new process guidance, artifacts, icons, and artifact types, including modules
- Sample project improvement
 - "Money That Matters," the JKE Banking sample, contains new process guidance, artifacts, icons, and artifact types, including modules
- Icons per artifact type
- Multi-value Attributes Conversion
- User assistance
 - deploying a clustered environment
 - Interactive upgrade guide



IBM Rational Collaborative Lifecycle Management Solution

Improve productivity with an integrated ALM solution

- **Optimize your team through support of the 5 ALM Imperatives**
 - Real-time planning
 - Lifecycle traceability
 - In-context collaboration
 - Development Intelligence
 - Continuous Improvement
- **Get up and running quickly**
- **Extend as your needs evolve**
- **Support heterogeneous development across multiple platforms and technologies**

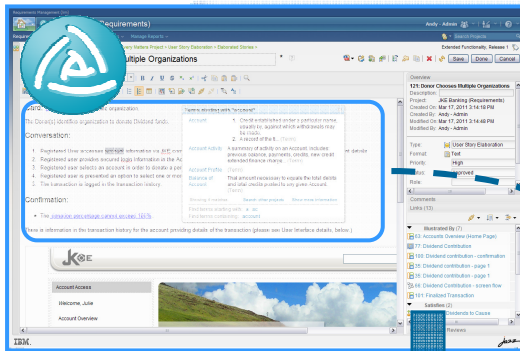


Working in a Development Lifecycle (ALM Today)

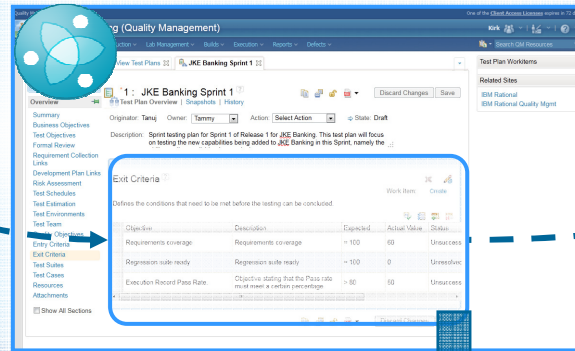
Requirements driven development across the lifecycle



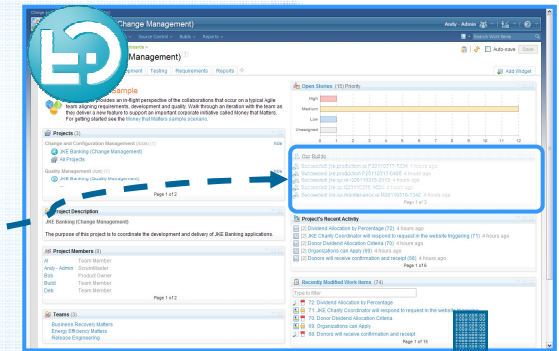
Rational Requirements Composer 4.0



Rational Team Concert 4.0



Rational Quality Manager 4.0



ID	Name	Artifact Type	Implemented By	Validated By
8	Dividend allocation by percentage	Feature	75: Dividend Allocation by Percentage	18: Dividend Allocation by Percentage
	Requirements	Feature	6: Customers can Nominate an Organization	21: Customers can nominate an organization for the program
			Development	10: Customers Organization
12	Donor Dividend Allocation Criteria	Feature	73: Donor Dividend Allocation Criteria	16: Donor Dividend Allocation Criteria
	Satisfied by			
23	Frequency of dividend transfer	Feature	58: Frequency of dividend transfer	1: Frequency of dividend transfer

Single View for End to End Development Needs

Next Steps

Where to go now...

The following links will lead you to your next step...

...look for more product information and tool demonstrations

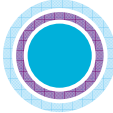

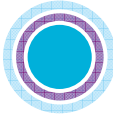
- Requirements Composer on jazz.net
 - <https://jazz.net/projects/rational-requirements-composer/>
- Requirements Composer Forum
 - <https://jazz.net/forums/viewforum.php?f=8>
- Rational Requirements Composer Download
 - <https://jazz.net/downloads/rational-requirements-composer/>

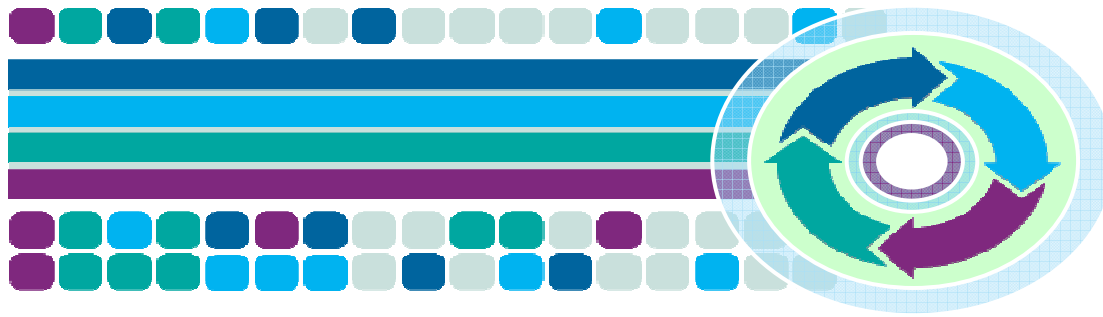


IBM Rational provides an integrated software platform dedicated to helping companies develop and deliver smarter products

Summary:

How will you improve your requirements process now?

-  Traceability: Empowering an Analyst to use project links to increase release quality through improved visualize links analysis and detect changes
-  Process Control: Take control of your requirements information during your process and maintain configuration over team environments
-  Data Sharing: Remove communication barriers from project experts working with documents or working in separate





www.ibm.com/software/rational

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