



IBM Rational Software Conference 2009
As Real as It Gets!



RDM Keynote:

Better Requirements. Better Management. Better Results

Robin Bater

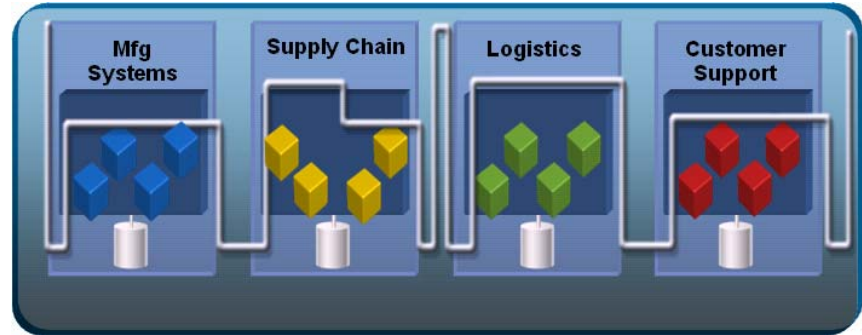
Requirements Definition & Management Community of Practice Architect,
IBM Rational Software

Rational. software

RDM01

What are you delivering?

Rational Software Conference



Agenda

- **Introductory comments**
- **Some perspective**
- **Strategy and roadmap**



The usual disclaimer

- This presentation includes comments on future product direction and strategy
- Plans are based on best information available and may change in the future



Information

Agenda

- **Introductory comments**
- **Some perspective**
 - ▶ Why RM?
 - ▶ Challenges in Systems and IT delivery
 - ▶ The Development Lifecycle and where our capabilities fit
- **Strategy and roadmap overview**



Why RM?

Better project governance

Cope with complexity

More agility

Better project efficiency

Control project scope

More stakeholder engagement

Get to market faster

Deliver what the customer needs

Better requirements validation

Manage change

Prove contractual completeness

Manage subcontractor value chain

Lower risk of project failure

Meet compliance mandates

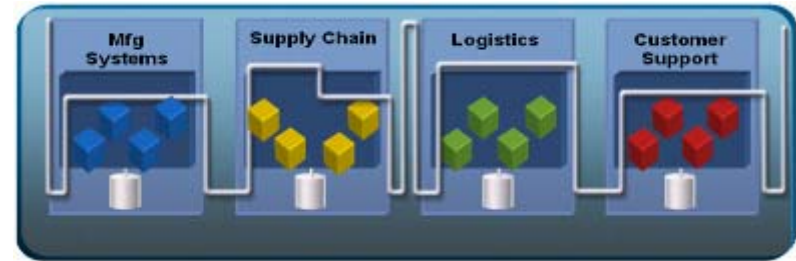


The RM marketplace moves in two directions



Systems Domain

- Key Drivers
 - ▶ Increasing complexity
 - ▶ Innovation from more embedded software
 - ▶ Need faster time to market
- Market response
 - ▶ Aspire to Product Line Engineering
 - ▶ Complex sub-contractor scenarios
 - ▶ Getting it right the first time
- Rational strategic focus
 - ▶ Product Lifecycle Management (PLM)
 - ▶ Product Line Engineering (PLE)

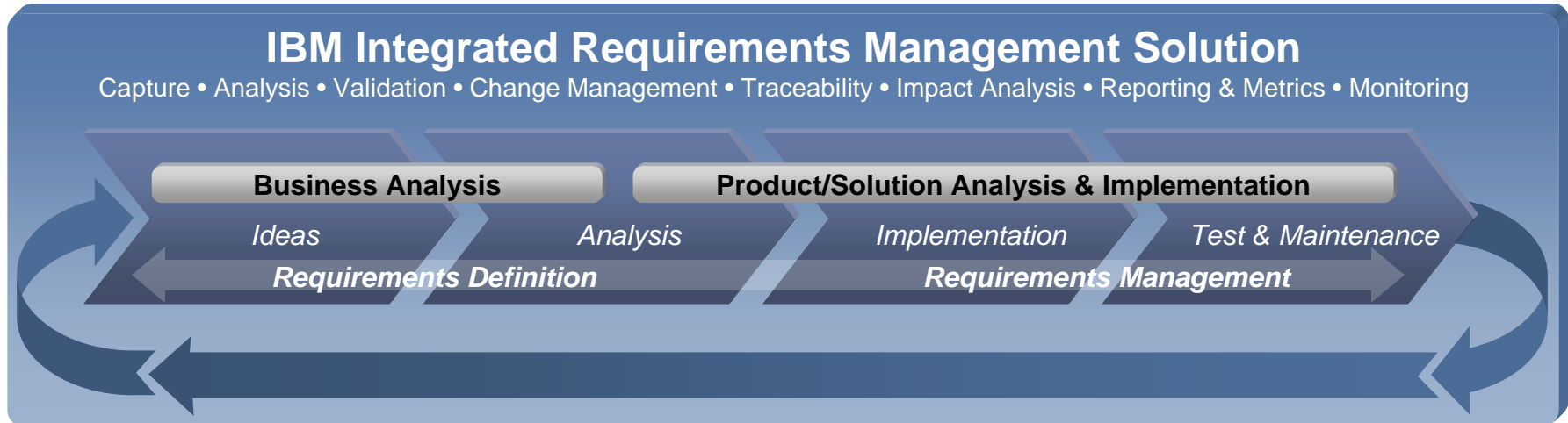


IT Domain

- Key drivers
 - ▶ Lower cost / do more with less
 - ▶ Better meet customer needs
 - ▶ Need faster time to market
- Market response
 - ▶ Aspire to agility
 - ▶ Business-driven development
- Rational strategic focus
 - ▶ “More agile” across the lifecycle

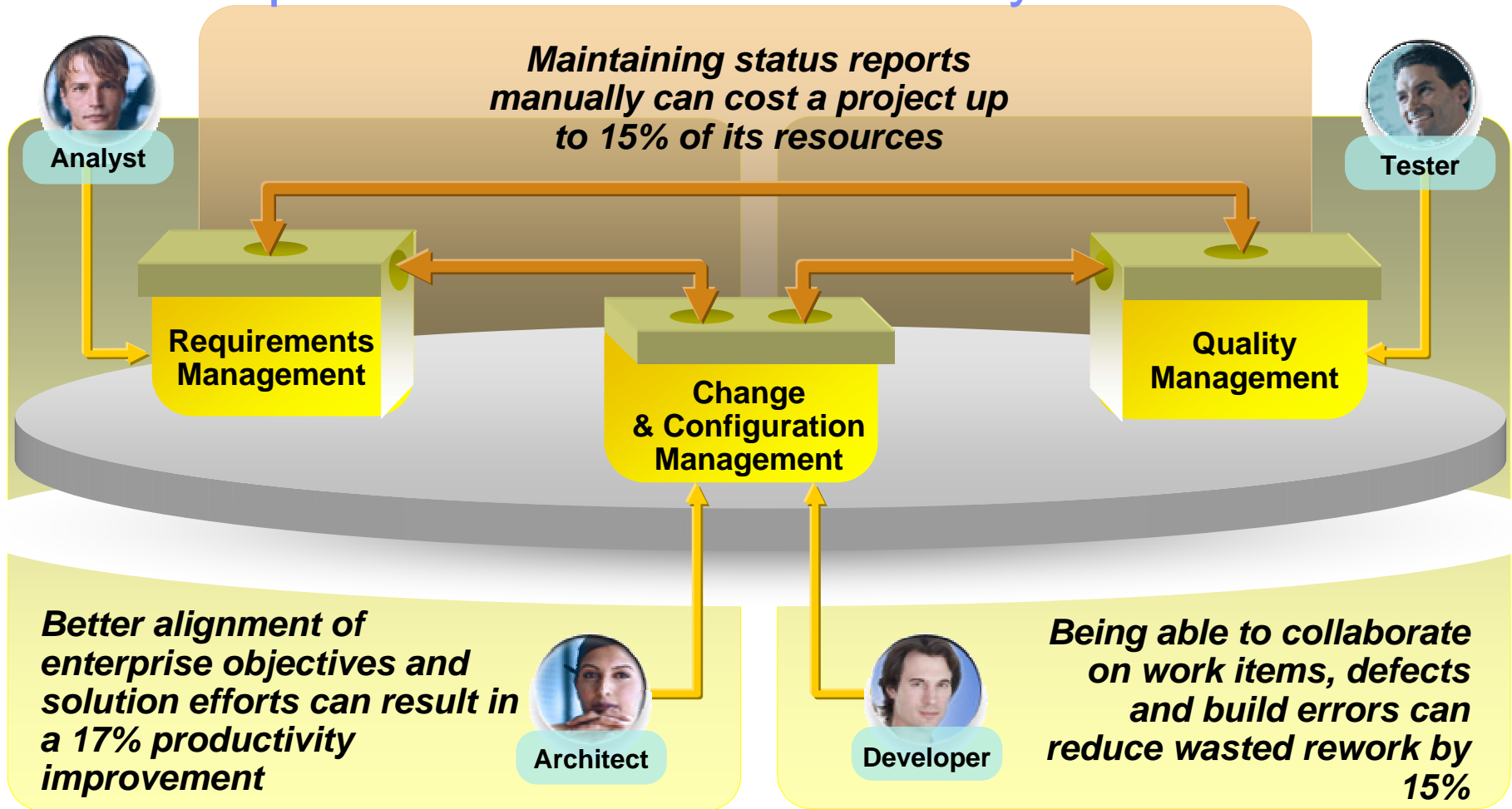
A “requirements view” across the lifecycle

For Programs, Projects, Products, Systems and Systems-of-Systems



- Traceability - manage compliance (at every level)
 - Improve ability and efficiency in managing change
- Reduce defects and cost of recall / in-service modifications
- Quality improvements – higher user satisfaction
- Cope with higher complexity
- Common repository – use the latest versions and know where they are
- Use of attributes provide for reporting
- Supply chain
 - ▶ better visibility of solution and compliance to customer requirements
 - ▶ easier validation of deliverable(s)
- Reduce the need for re-training when staff move projects

A unified platform can dramatically improve the business process of software delivery



Agenda

- **Introductory comments**
- **Some perspective**
- **Strategy and roadmap**
 - ▶ Looking ahead



Our intent

- Deliver world-class requirements definition and management capabilities to both systems- and IT-oriented customers
- Deeply integrate requirements into the development lifecycle
- Help you use requirements as a language of continuous stakeholder and business interaction
- Protect customer investment in RequisitePro and DOORS
- Deliver value incrementally, especially the “hard” items
- Enable new value adoption at your own speed – evolution not revolution



Evolution of DOORS: This year

2008

2009

2010+

**DOORS**

Greater stakeholder involvement and GDD productivity

With DOORS Web Access edit capability

Standardize communication between RM tools

*Enabling RM in complex subcontractor scenarios
With Requirements Interchange Format (RIF)*

Facilitate requirements-driven quality management

With DOORS-RQM integration

Exploit common Rational publishing system

With Rational Publishing Engine (RPE)



Evolution of DOORS: Looking Ahead

2008

2009

2010+

**DOORS**

Infuse DOORS with Jazz

As an accelerator in solving the “hard problems”

- Replace DOORS server with Jazz server and COTS database
- Evolve and modernize the DOORS client
- Add sophisticated capabilities such as Product Line Engineering

Exploit common Rational reporting system

With Rational Insight

Evolution of Requirements Composer: This year

2008

2009

2010+



Requirements Composer

Engage stakeholders

With web client, review and approval, specification publishing

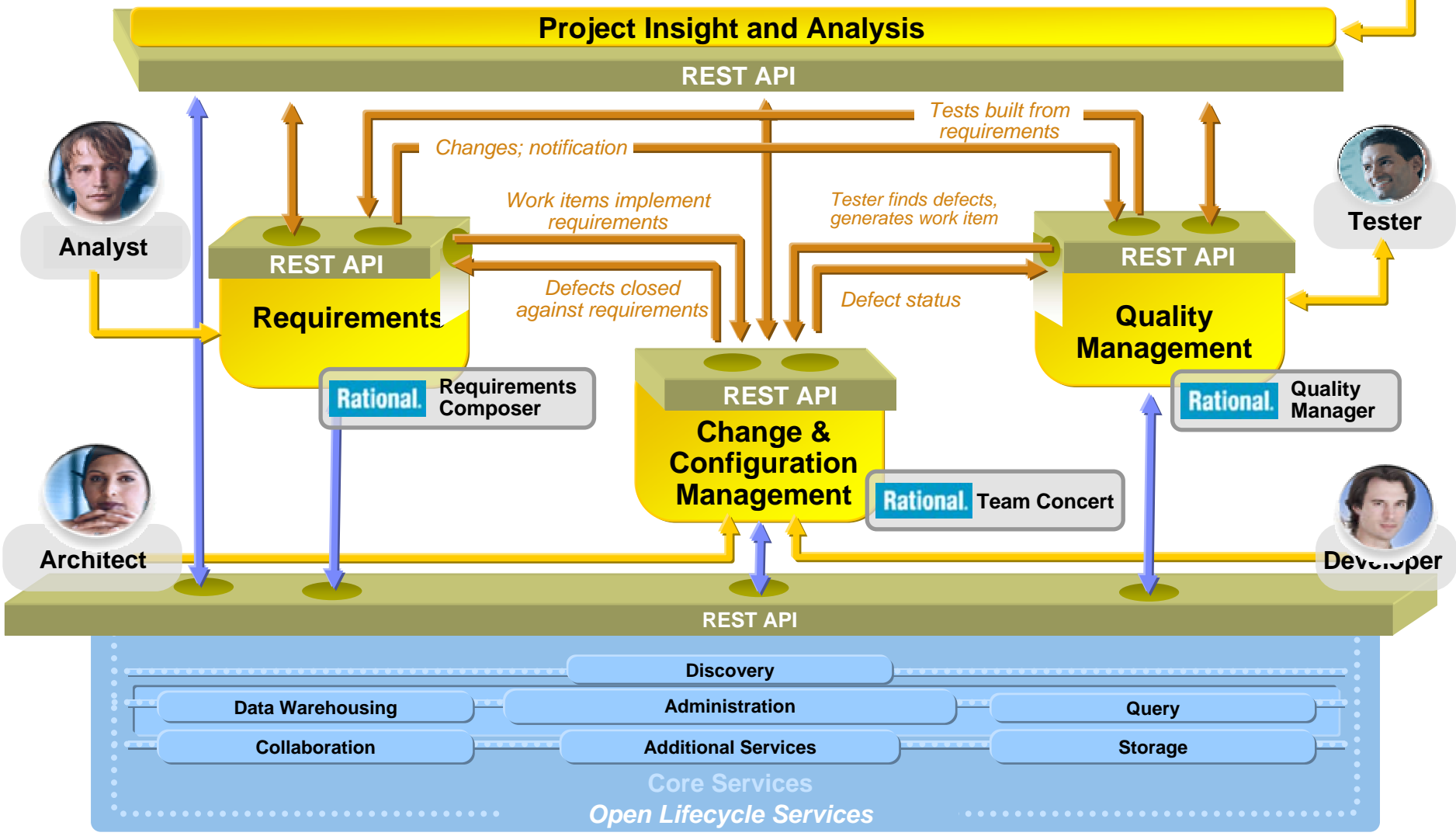
Maintain focus on business needs and evolving requirements

With baselines, standard and customizable reporting (using RPE), dashboards, and integrations with DOORS, RTC, RQM, RequisitePro

Software Delivery Platform (with one example)



Team Lead



RRC: open commercial development



NEW!

Jazz Projects

Projects >

Overview

Release Plan

Related Resources

Rational Requirements Composer 1.0.0.1

Online Help

Library

Rational Requirements Composer
Collaborative requirements definition and refinement

Rational Requirements Composer provides a platform for collaborative requirements definition that enables business analysts, client stakeholders and software development teams to define requirements using a variety of techniques, and collaborate with each other using a suite of platform capabilities.

Collaborating to define detailed textual and visual requirements

- Elicit, capture, and refine requirements using a variety of definition techniques: text, storyboards, use-case diagrams, UI sketches, and business process diagrams.
- Review and comment on requirements with team members with collaboration capabilities.
- Organize and create meaningful relationships between requirement artifacts.

→ Buy IBM...
 IBM.

Download **NEW!**
1.0.0.1 Release
 May 25, 2009

Download Web UI Open Beta
 May 25, 2009
 This is a pre-release Early Access Trial beta of Rational Requirements Composer.

[All Downloads >](#)



- ▶ Have discussion with developers and community
- ▶ Download betas and early drivers
- ▶ Report defects or request enhancements
- ▶ Stay informed!



jazz.net/projects/rational-requirements-composer/

Evolution of Requirements Composer: Looking ahead

2008

2009

2010+



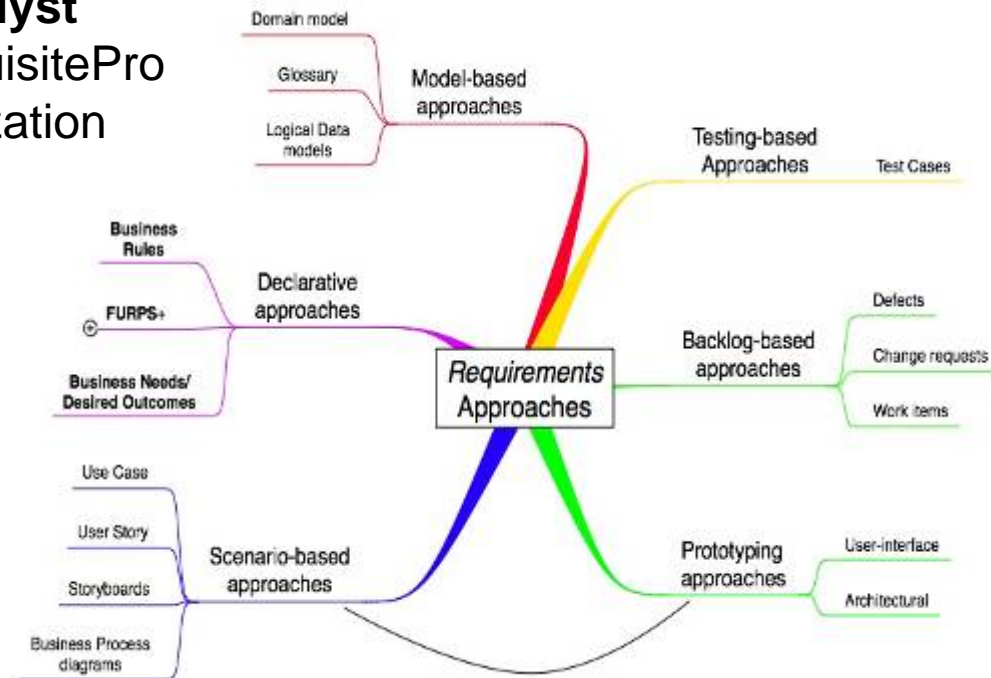
Requirements Composer

Focus on optimizations for the analyst

Deep Word integration, beyond RequisitePro
Automation for validation and prioritization
Authoring accelerators

Contribute to seamless RD+RM

A platform to support many requirements approaches



Evolution of RequisitePro: This year

2008

2009

2010+



RequisitePro



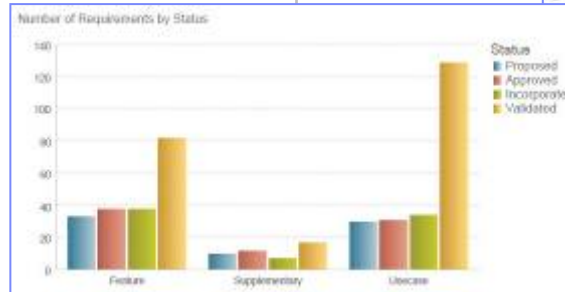
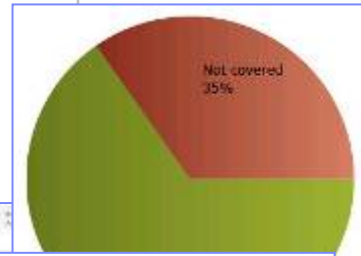
Exploit common Rational reporting system

Lifecycle reports and measurements with Rational Insight

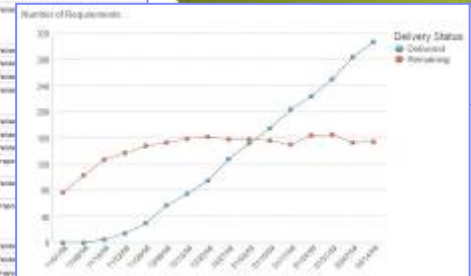


Exploit common Rational publishing system

With Rational Publishing Engine (RPE), the replacement for Rational SoDA



ID	Req. Name	Status	Priority	High Level	Assigned To	Created At
REQ-12345	The software shall support to integrate with the external system.	Approved	Medium	REQMGR	John D.	2008-10-10
REQ-12346	The user interface will contain instructions on account configuration and connectivity.	Valid	High	REQMGR	John D.	2008-10-10
REQ-12347	Real Time Access	Valid	High	REQMGR	John D.	2008-10-10
REQ-12348	Secure the system	Valid	High	REQMGR	John D.	2008-10-10
REQ-12349	Data logging system	Valid	High	REQMGR	John D.	2008-10-10
REQ-12350	Supply a central MMS (management) application control	Valid	High	REQMGR	John D.	2008-10-10
REQ-12351	Storage (database)	Valid	High	REQMGR	John D.	2008-10-10
REQ-12352	Bring the UI	Valid	High	REQMGR	John D.	2008-10-10
REQ-12353	Real Time Access	Valid	High	REQMGR	John D.	2008-10-10
REQ-12354	Each user shall have a unique login and associated password	Valid	High	REQMGR	John D.	2008-10-10
REQ-12355	Collect data and generate reports from various windows	Valid	High	REQMGR	John D.	2008-10-10
REQ-12356	Share data across	Valid	High	REQMGR	John D.	2008-10-10
REQ-12357	REQMGR	Valid	High	REQMGR	John D.	2008-10-10
REQ-12358	Support LDAP user authentication	Valid	High	REQMGR	John D.	2008-10-10
REQ-12359	MSOEM RDM	Valid	High	REQMGR	John D.	2008-10-10
REQ-12360	Use the existing system	Valid	High	REQMGR	John D.	2008-10-10
REQ-12361	REQMGR	Valid	High	REQMGR	John D.	2008-10-10



Evolution of RequisitePro: Looking Ahead

2008

2009

2010+



RequisitePro

Deliver early benefits of Rational investments in RM on Jazz

Supplement existing use of RequisitePro with baselines, revisions, review & approval using a new RM capability on Jazz

Grow these RM investments into a next-generation RequisitePro

- *Enabling an evolutionary approach for RequisitePro customers*
- *Becoming an eventual successor to the current code base*

IBM Rational partner solutions for Requirements

BigLever
SOFTWARE INC.

Provides software product line support for requirements management and software models

PMC
EMBLING PROJECT MANAGEMENT EXPERIENCE

Provide seamless connectivity between DOORS & project management systems

Rational. DOORS

STONENWORKS
SOFTWARE

Seamlessly integrates DOORS with leading PLM solutions such as PTC Windchill®

integrate
systems engineering

Maximize the productivity and effectiveness of your DOORS users through enhanced traceability

RAVENFLOW

Validate business requirements visually for desired outcome

iRise
VISUALIZE. INNOVATE. DELIVER.

Eliminate risk of project failure with visual requirements definition through simulation

Rational. RequisitePro

Rational. Requirements Composer

RAVENFLOW

Validate business requirements visually for desired outcome

Ready for
IBM. Rational.
software

Summary:

- Protecting your investments in DOORS and RequisitePro
- Evolutionary introduction of requirements innovation
- Modernizing your requirements tools with Jazz technology
- Innovations in a consumable fashion



Collaboration Opportunities

Design Partner Program

Lab Advocacy Program

Board of Advisors

VoiCE Events

Rational Software Conference

jazz.net

developerWorks

Beta Programs

RFE Community

Global Rational User Groups

Rational Cafe

→ Learn more about [Rational Customer Programs](#)



beta blogs boardofadvisors
designpartners
developerworks eclipse
forums jazznet labadvocates
podcasts premiumsupport rsd usergroups

Questions

Thank You

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RDM/RE Keynote:

Better Requirements. Better Management.
Better Results

Richard Crisp
Director, RM & QM Product Delivery Team, Rational

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RDM01