

13 Mars 2012



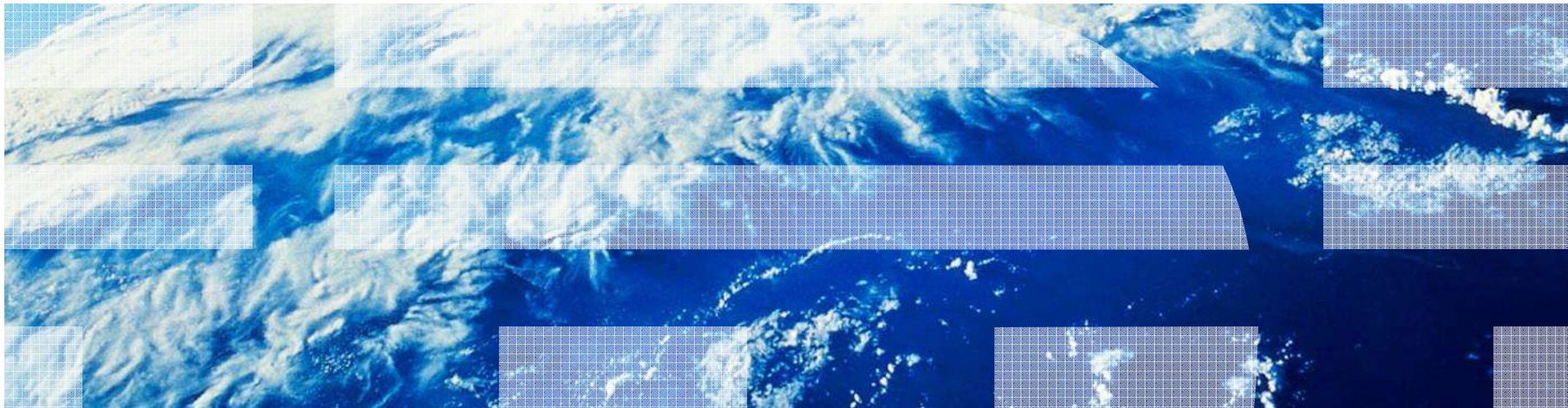
COMMON Suisse Romande, 13 Mars 2012

Collaborative Lifecycle Management

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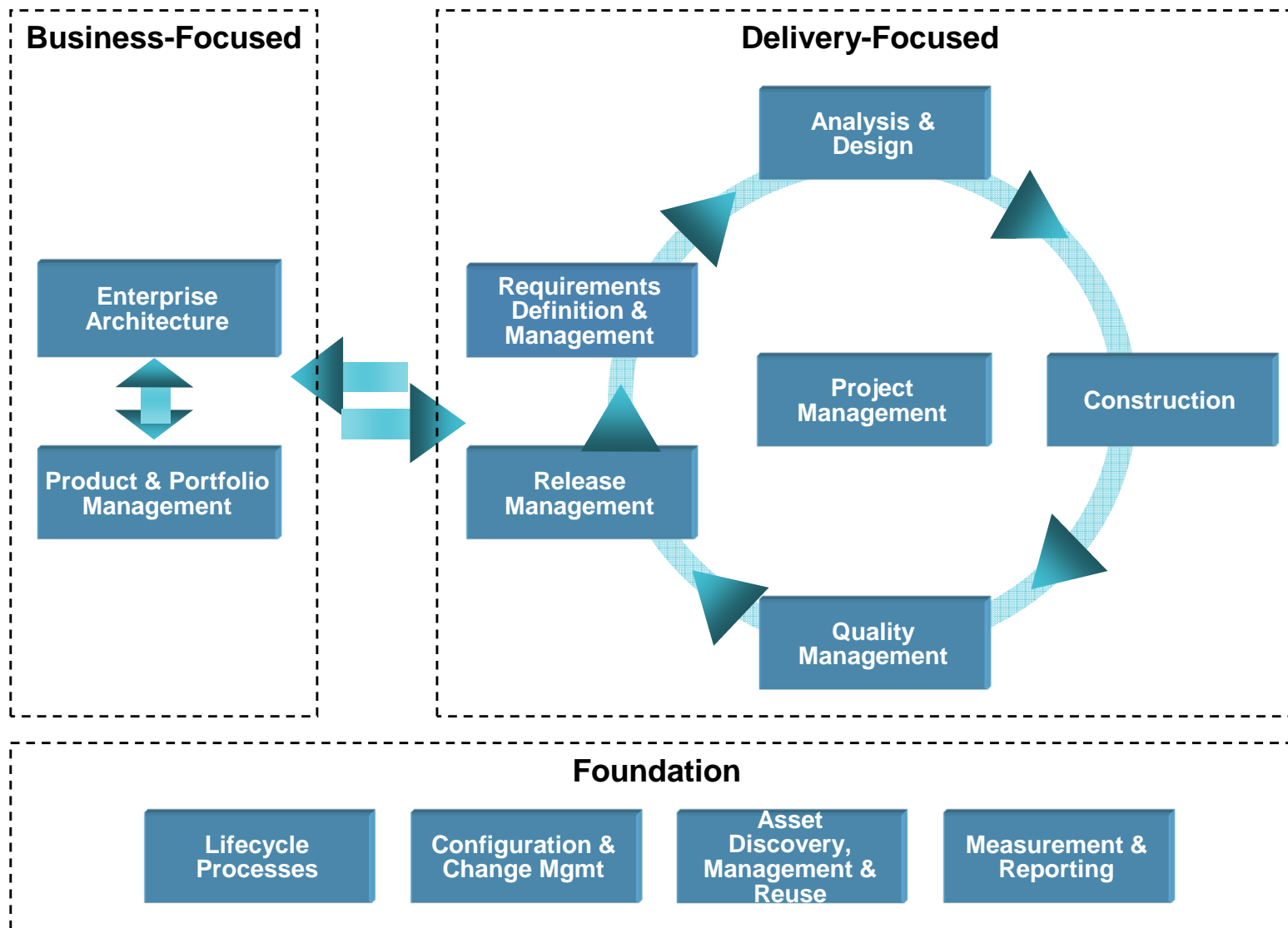


Rational® software

Agenda

1. Introduction
2. Rational Software Delivery Platform Overview
3. Application Lifecycle Management (ALM) with Rational Software
4. Rational Tools for Power
5. Complete Jazz in 5 Minutes
6. Summary

Software Delivery Capabilities

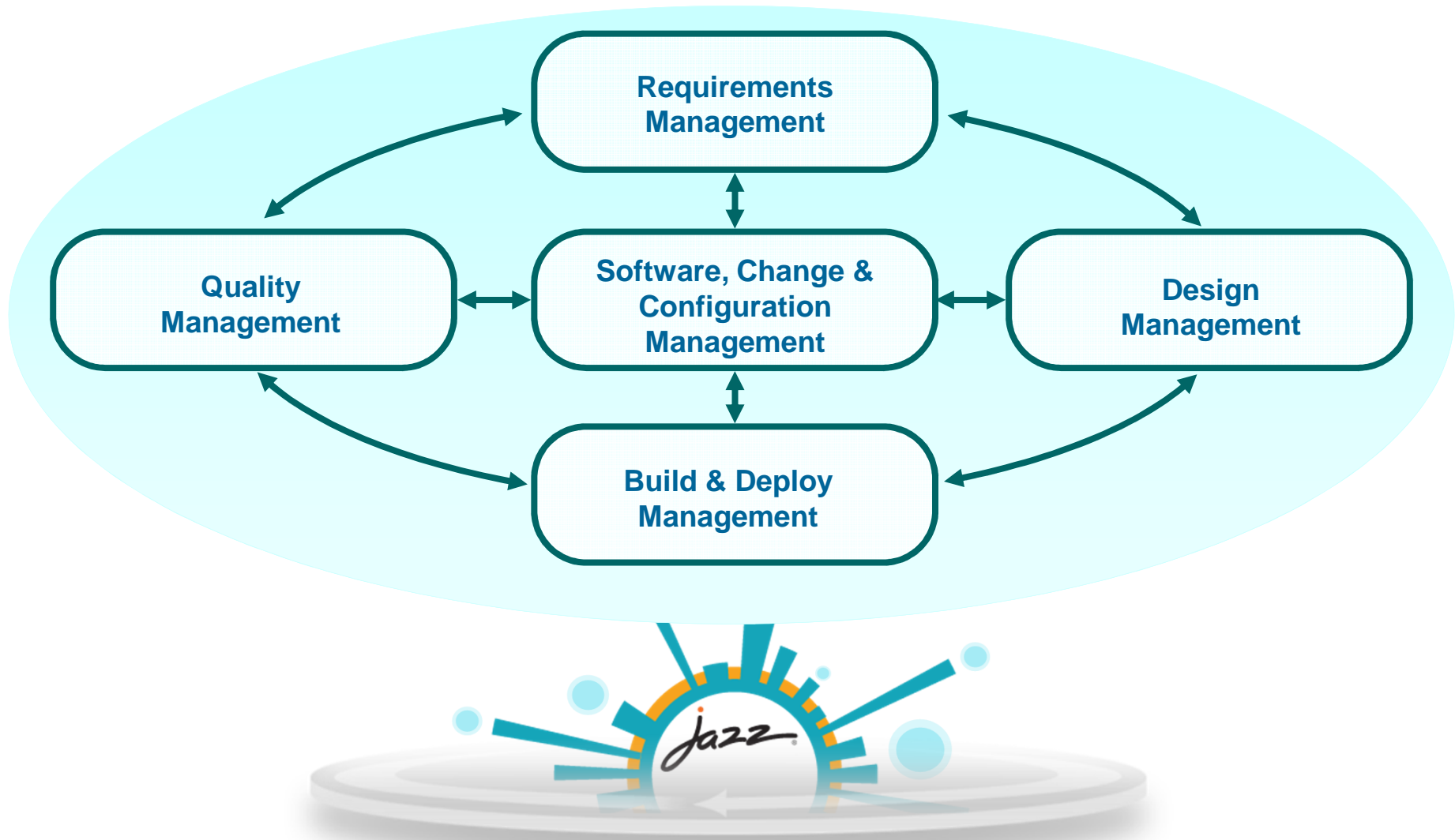


Agenda

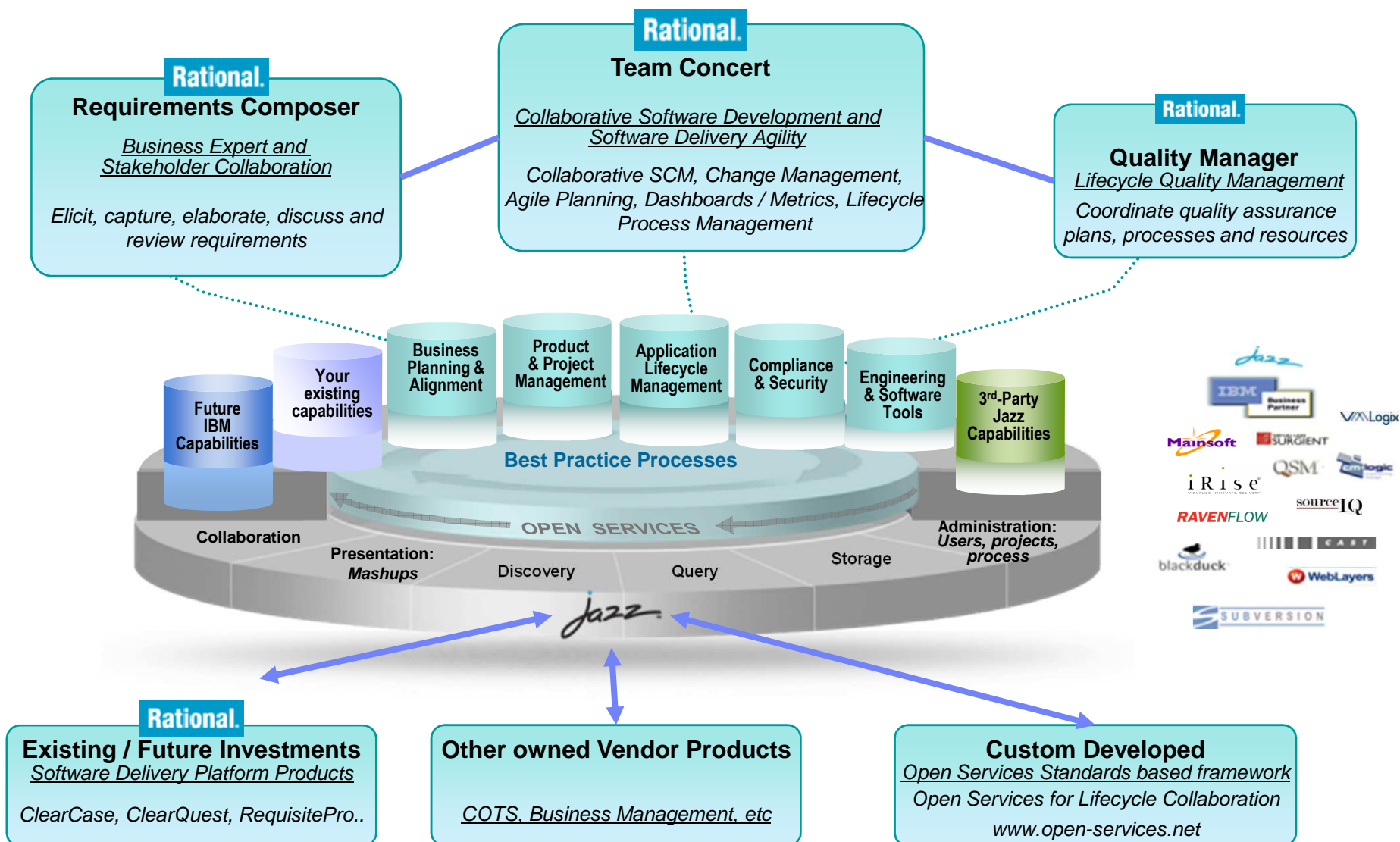
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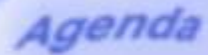
Rational Application Lifecycle Management (ALM)

Modular, open and extensible



Enable ALM across your organization

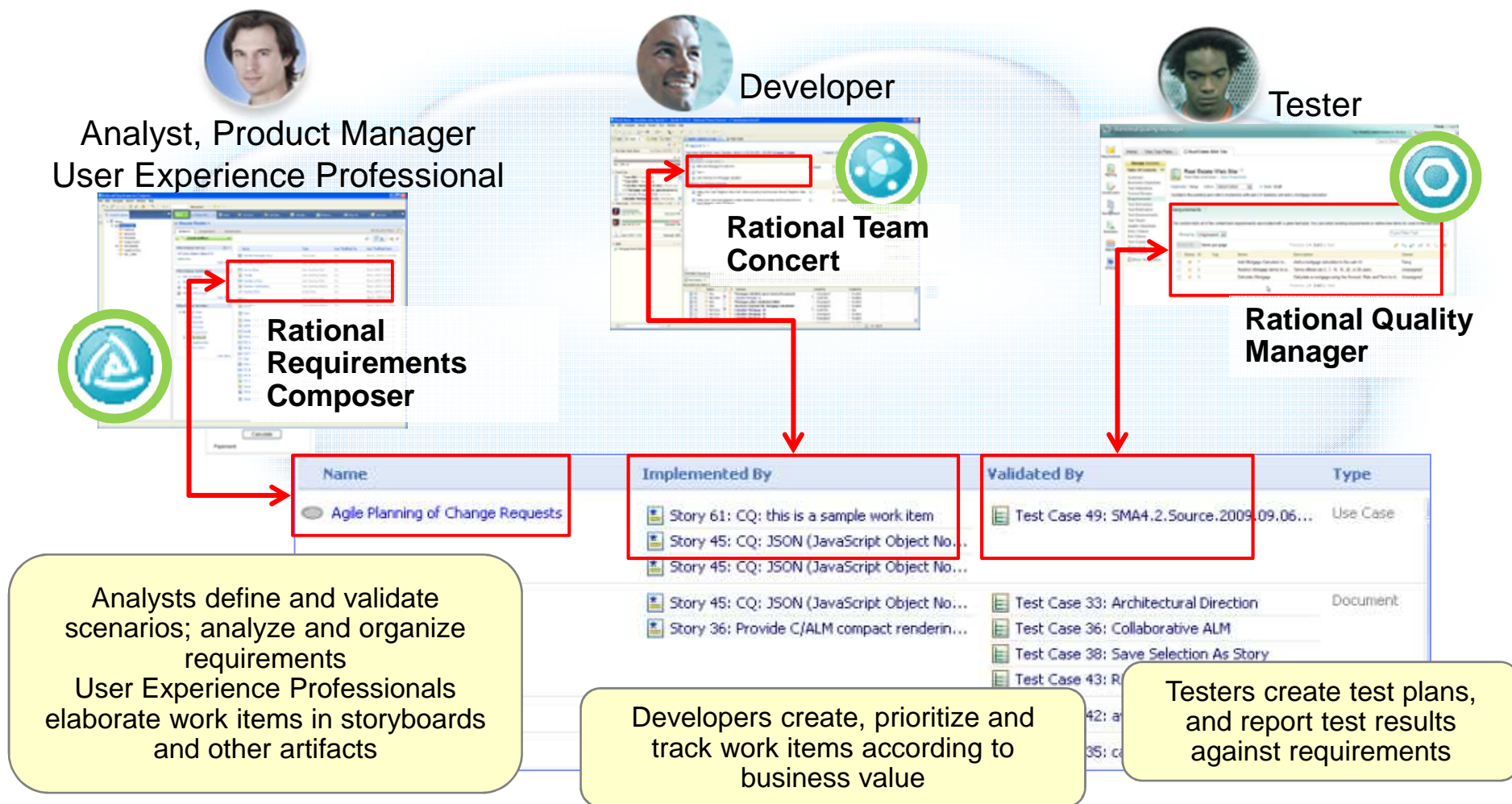


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Align development and test activities

Break down role-based information silos for better project execution



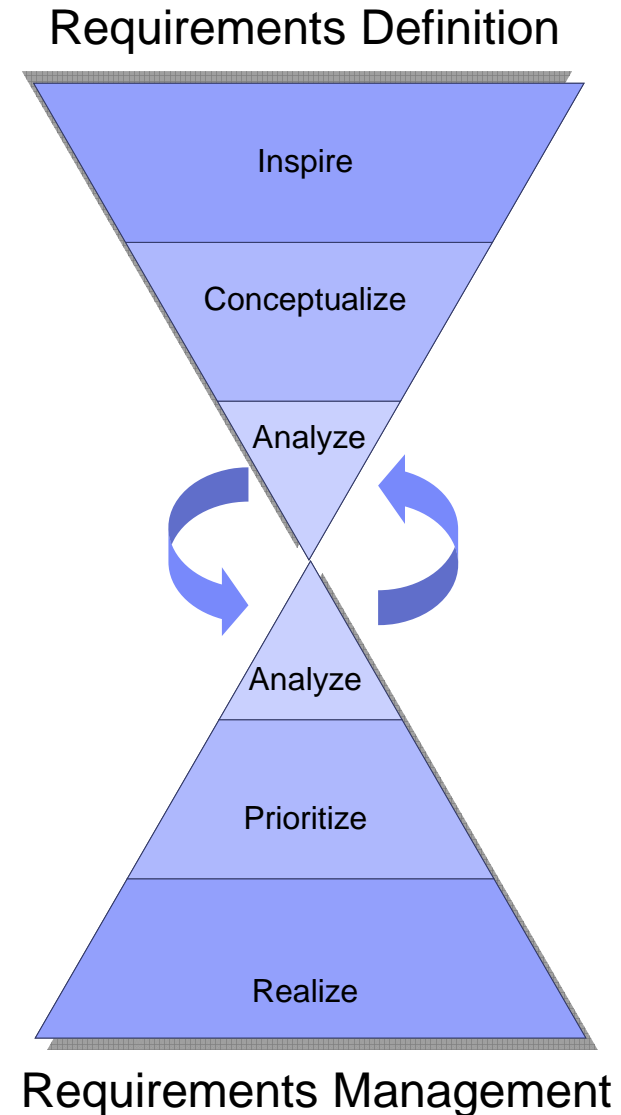
Rational Requirements Definition And Management

Our vision for Requirements Definition and Management (RDM)

Foster focused, natural, real-time, contextual collaboration using various techniques and artifact types

Enable:

- improved requirements definition, validation and management of requirements change through the software development lifecycle
- more and clearer communication among business stakeholders & IT delivery teams wherever they are located
- less project rework, faster project execution and lower-cost delivery



Use scenarios to uncover customer needs

1. Brief Description
A registered customer has applied to open a new Account. Based on existing Customer information, the eligibility system will use predefined heuristics to determine whether or not the customer is eligible. In some circumstances, intervention by the Branch Manager may be necessary.

2. Basic Flow of Events
The bank's web portal has validated the contents of a new Account Customer.
The system is retrieving banking records from the bank's files. Depending on the results, different parties may also be consulted (e.g. the credit bureau).
The system uses predefined heuristics to the available data based on history, Credit History etc. Based on this information the system will either approve or automatically reject the application.
The application has been either approved or rejected.
The system is related to a single area of functionality (for example specialist handling for the Wholesale Cash use case of an Automated Teller Machine). It improves readability if these conceptually related sets of flows are grouped into their own clearly defined flows.

Outline flows with Process Diagrams

Describe flows and capture requirements in Rich-text Documents
Define and reuse common terms in Glossaries

Group related scenarios, describe actors, system boundaries and user goals with Use Cases

Visualize scenarios with Storyboards and Screen Flows

Use whiteboard snapshots and other Informal Documentation

Many notations, extensive team involvement, rapid iterative refinement

1

1. Create a review

Review and Approval

<Enter a Description>

Requirement Type: Release Requirement

Create a review for a project and specify the users that are to approve or review a given set of artifacts. Reviewers/approvers comment and sign off on the artifacts. The status of the review is updated accordingly.

Design: [Review and Approval](#)

Use Cases: [Use Cases for Review and Approval](#)

1. Product managers record and organize stakeholder requests

2

Review and Approval

Provide a summary

System Use Cases

Review and Approval Use Case Diagram

2. Product managers collaborate with development on milestone scenarios and use cases

4

12. Adds Instructions

Initial review of baseline use cases

Review State: Draft

Due Date: 6/30/2009

Instructions to reviewers: Bob, can you make sure you focus on Artifacts 1-3, and Charles on Artifacts 4, 5 and 8? Could please review as you have time.

User	Type	Status
Charles	Approver	Not started
David	Reviewer	Not started
David	Optional	Not started

4. UI Storyboards help team to rapidly iterate on scenario options and flesh out design

3

review resource lifecycle

3. Architects and subject matter experts use process diagrams and text to outline scenarios

Rational Team Concert: A closer look

Iteration Planning

- Integrated iteration planning and execution
- Task estimation linked to key milestones
- Out of the box agile process templates

Project Transparency

- Customizable web based dashboards
- Real time metrics and reports
- Project milestone tracking and status

SCM

- Integrated stream management
- Component level baselines
- Server-based sandboxes
- Parallel development
- ClearCase connector

Work Items

- Defects, enhancements and conversations
- View and share query results
- Support for approvals and discussions
- Query editor interface
- ClearQuest connector

Build

- Work item and change set traceability
- Build definitions for team and private builds
- Local or remote build servers
- Supports Ant and command line tools
- Integration with Build Forge

Jazz Team Server

- Single structure for project related artifacts
- World-class team on-boarding / off-boarding including team membership, sub-teams and project inheritance
- Role-based operational control for flexible definition of process and capabilities
- Team advisor for defining / refining “rules” and enabling continuous improvement
- Process enactment and enforcement
- In-context collaboration enables team members to communicate in context of their work

Iteration Planning

Understand how well you are progressing against your targets in real-time

UWS Temperature Conversion M1 Plan [1.0 M1] x

UWS Temperature Conversion M1 Plan

Team Area: UWS Temperature Conversion Team | Iteration: 1.0 M1 (12/1/07 - 6/20/08) | 5 Closed | 9 Open

Owner	Closed items	Open items	Progress	Estimated
April Blues	1	1	1 / 17 -15 h	100%
Derek Holt	0	2	0 / 8 -7 h	100%
Jerry Jazz	1	1	0 / 4 -3 h	100%
Zach Builder	2	2	25 / 37 -10 h	100%
Zara Intern	0	2	0 / 17 -16 h	100%
Unassigned	1	1	8 / 9 h	Estimated

Group by: Owner

Sort By: Priority

Bars: Progress

Exclude: Future and past items, Resolved items

Related Work Items: Show Backlog

Drag-and-drop work items to change owners/create child parent relationships

Plan and execute iterations while managing team and individual load

IBM Rational Quality Manager

Jazz centralized test management



Requirements driven testing

Knowing what to test

View Requirements ⓘ

View Builder
Show Requirements that match the attributes in the View Builder.

Group by: Ungrouped

10 Items per page

Previous | 1 - 10 of 14 | Next

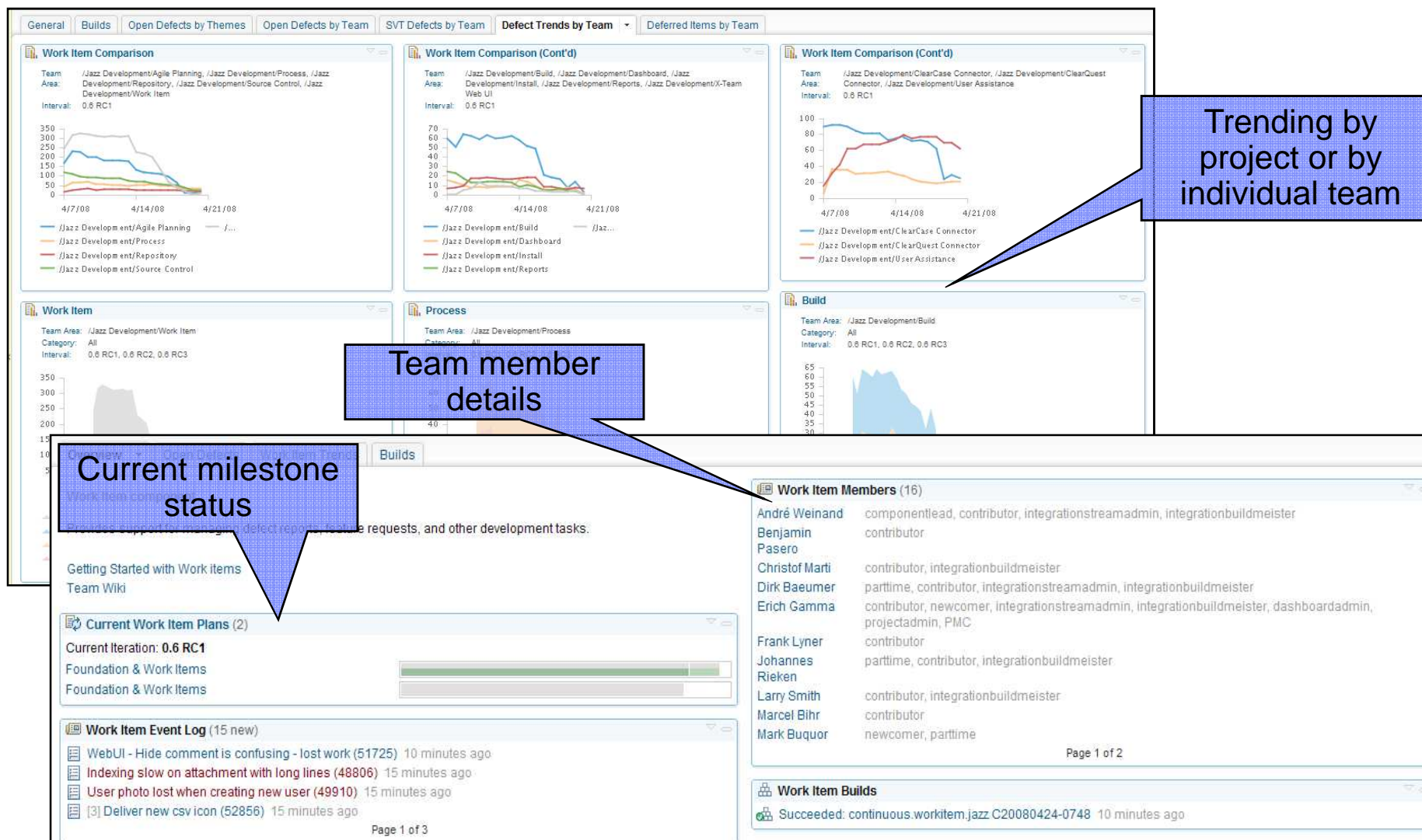
Status	ID	Risk	Name	Description	Owner
<input type="checkbox"/>	5	○○○○○	Data entry - change customer details	Confidential information for an existing account sha...	Coral Chen
<input type="checkbox"/>	2	○○○○○	Data entry - customer details	The system shall accurately capture basic custome...	Coral Chen
<input type="checkbox"/>	1	○○○○○	Process mortgage increase - main path	The system shall process a valid mortgage increase...	Amber Alvarez
<input type="checkbox"/>	3	○○○○○	Forward mortgage to secondary approver	Ownership transfer of a mortgage increase request...	Dusty Dixon
<input type="checkbox"/>	8	○○○○○	View status of mortgage increase request	The system shall promptly and accurately display th...	Fern Farlow
<input type="checkbox"/>	6	○○○○○	Update mortgage application status	The system shall correctly update the status of a m...	Bridget Blue
<input type="checkbox"/>	4	○○○○○	Cancel an application	The system shall reliably cancel and archive a suspen...	Eliot Eggplant
<input type="checkbox"/>	15	○○○○○	Spelling accuracy and professionalism	Basic banking words like "amortization" shall be spelle...	Amber Alvarez
<input type="checkbox"/>	10	○○○○○	Display customer information	The system shall correctly display all customer acco...	Helen Hughes
<input type="checkbox"/>	13	○○○○○	Process mortgage request - nonexistent record	The system must reject an increase request that re...	Amber Alvarez

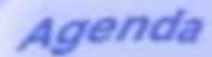
Previous | 1 - 10 of 14 | Next

- Requirements tracking built into the test management tooling
- Customizable attributes enable you to track what is important to your team
- Real-time impact analysis of requirements changes
- Traceability of test results to user needs

Know you are testing the right things

Dashboards and reporting



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IBM Rational solutions for Power Systems

IBM Rational Developer for Power Systems Software

Common developer desktop delivering integrated **developer tools** for Power operating systems and programming languages.



IBM Rational Compilers

New **compilers** exploit Power Systems including the latest POWER7 architecture and multi-core technology, boosting performance, productivity and portability.



IBM Rational Team Concert for Power Systems Software

Common server infrastructure enables **collaborative coordination** for multi-platform development teams.



Learn more: www.ibm.com/software/rational/announce/power/

Rational Developer for Power Systems Software

- Rational Developer for Power Systems Software
 - Modern, Eclipse-based, development tools for IBM Power Systems
 - Visual editors, outline views, content assist, integrated language help
 - Integrated file management, search, edit, compile/build, and debug capabilities
 - Analysis tools (application diagram, call hierarchies, type hierarchies)
 - Common development environment across multiple hardware platforms and languages
 - **Integration with Rational Team Concert**

The image shows two overlapping terminal windows. The top window is a PuTTY terminal titled 'dbgaix3.torolab.ibm.com - PuTTY' displaying C code for a directory listing function. The bottom window is a 'Session A - [24 x 80]' terminal window showing the output of a program named 'ORDENTR'. The output includes a header, a program description, and a list of function key shortcuts.

```

long CFSUtils::DirGetFirstFile(const char *dirpath, char *filename, int maxfile
{
    long handle = 0;
    char *dirpathbuff;

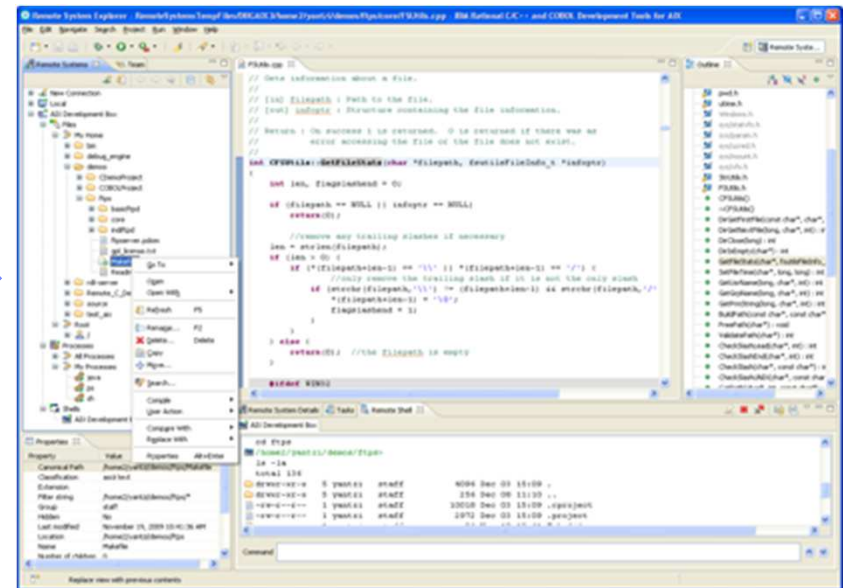
    if (dirpath == NULL)
        return(0);

    if ((dir
    ret
    strcpy(

    if (strc
    Chec
    in a slash (
    strc
    }

    CheckSle
    0002.00 *
    0003.00 *
    0004.00 * Porgram: ORDENTR
    0005.00 *
    0006.00 * This program allows a user to enter and confirm an order. It sends
    0007.00 * a print request to a batch job via a data queue. The program only
    0008.00 * handles District 1 and Warehouse '0001'.
    0009.00 *
    0010.00 * Don was here
    0011.00 *
    0012.00 * INDICATOR USAGE:
    0013.00 * 03 - F3=Exit
    0014.00 * 04 - F4=Prompt
    0015.00 * 06 - F6=Accept order
    0016.00 * 12 - F12=Cancel

    F3=Exit  F4=Prompt  F5=Refresh  F9=Retrieve  F10=Cursor  F11=Toggle
    F16=Repeat find  F17=Repeat change  F24=More keys
    (C) COPYRIGHT IBM CORP. 1981, 2005.
    
```



Rational Developer for Power Systems Software

Integrated tools for Power operating systems and programming languages



- Remote development environment supporting edit, compile, and debug of native AIX, Linux and IBM i applications on Power Systems, from a local Windows or Linux workstation
- One integrated solution – supporting multiple environments *
 - ▶ C/C++ and COBOL on AIX
 - ▶ RPG, COBOL, CL, C/C++, DDS on IBM i
 - ▶ Java on AIX and IBM i
 - ▶ C/C++ on Linux
- It also allows organizations to attract and retain new talent, many of whom are already familiar with the Eclipse workbench
- Lower development and application maintenance costs – do more with less!



Creating projects and files was easy as I had a prior knowledge on the Eclipse-based tools. COBOL edit features made the application programming easier and reduced the developer's work effort"

Major AP IT Development Company

Asia

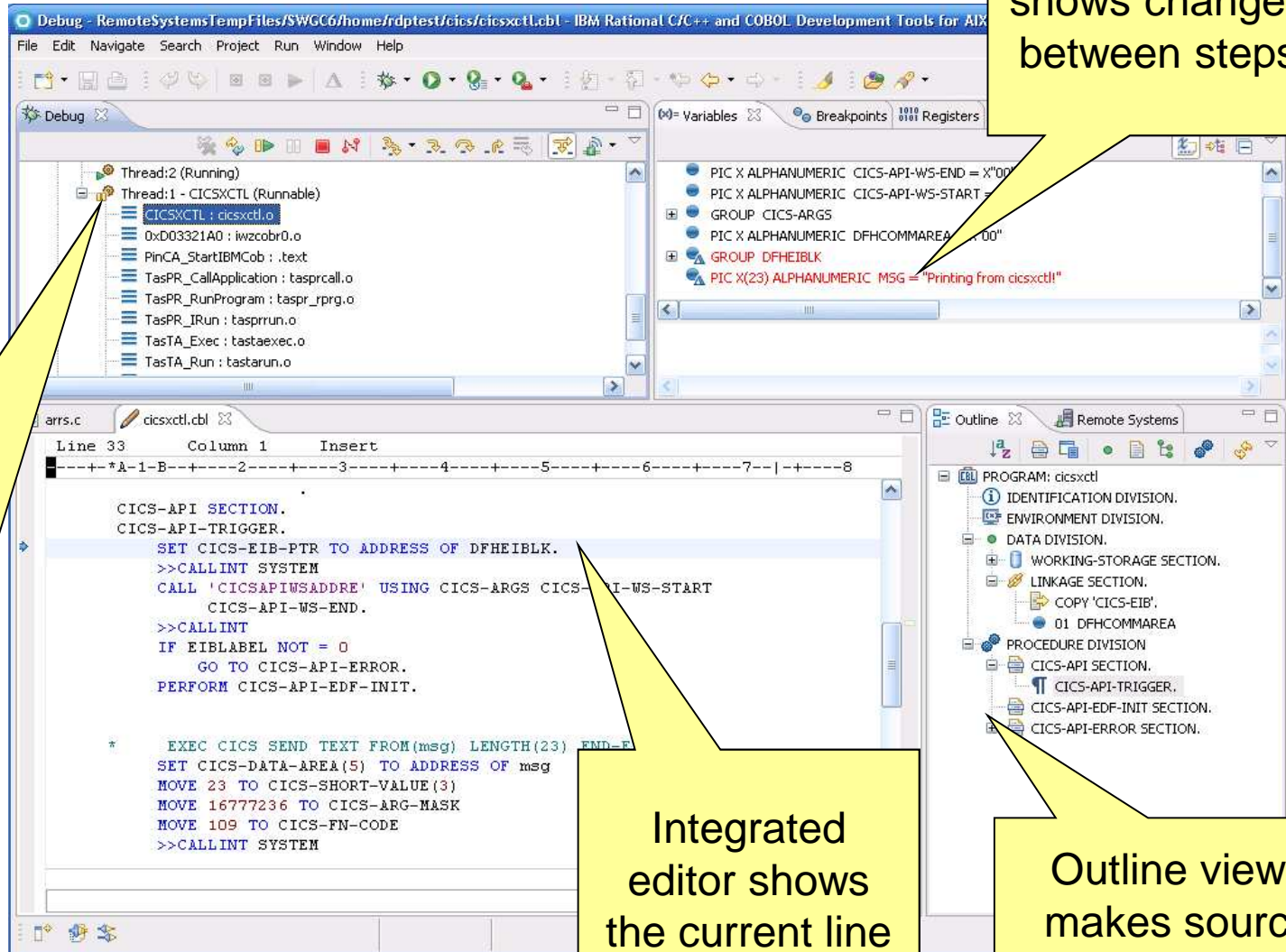
* For EGL development use Rational Business Developer or RDi SOA

Remote Development Features of RD Power

The screenshot displays the IBM Rational C/C++ IDE interface with several callout boxes highlighting key features:

- Remote project/files.**: Points to the Project Explorer on the left showing a remote project structure.
- Remote editor with content assist**: Points to the main code editor showing a function definition with a dropdown menu for content assistance.
- Outline View**: Points to the Outline view on the right showing a hierarchical view of the code structure.
- Build error feedback**: Points to the error message in the editor: `#error this is a test error`.
- Call Hierarchy and other analysis**: Points to the Call Hierarchy view at the bottom left showing a tree of function calls.
- Remote build**: Points to the Remote Call view at the bottom center showing the execution of a build command: `C-Build [test_demo] /home/pe.../bin/make all;exit`.
- Remote Search**: Points to the Search view at the bottom right showing search results for `f42` in the workspace.

Debugging Power Applications



Debug view shows the process, its threads, and their stacks. You can look back up the stack just by choosing a stack frame.

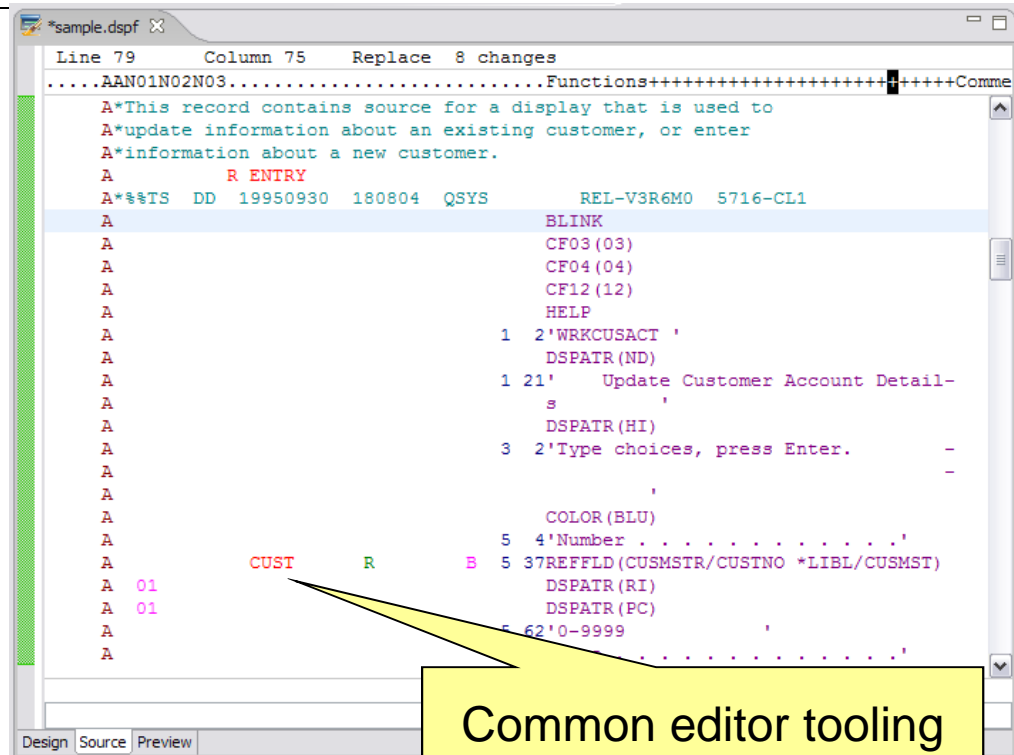
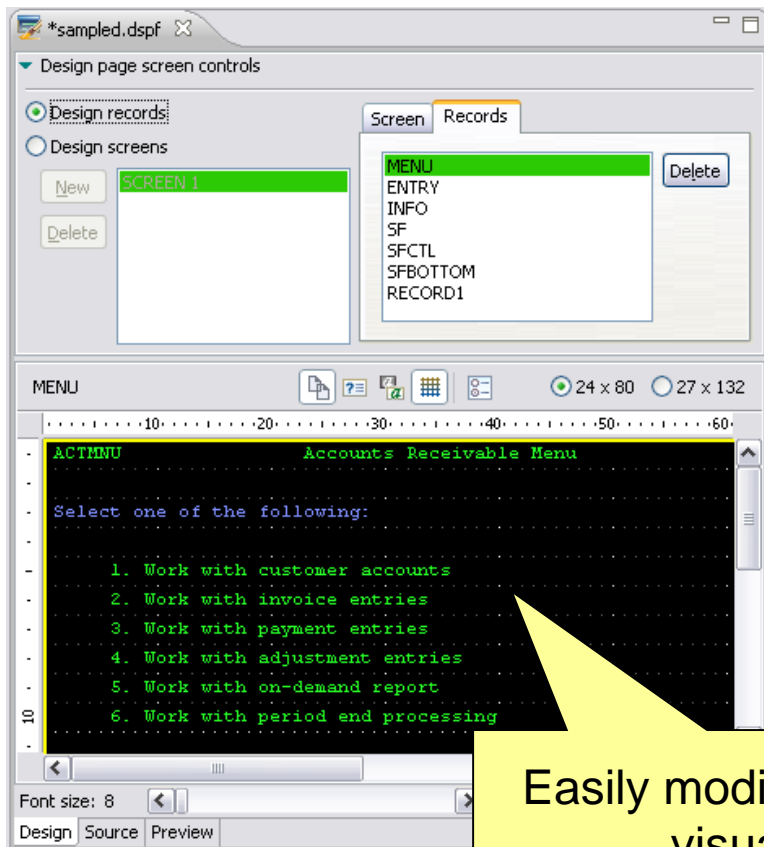
Variables view shows changes between steps

Integrated editor shows the current line highlighted

Outline views makes source navigation easy

The Screen Designer

- Modify source code both graphically and textually in one editor



- Real-time updating of source and all other views when any change is made in any view

Agenda

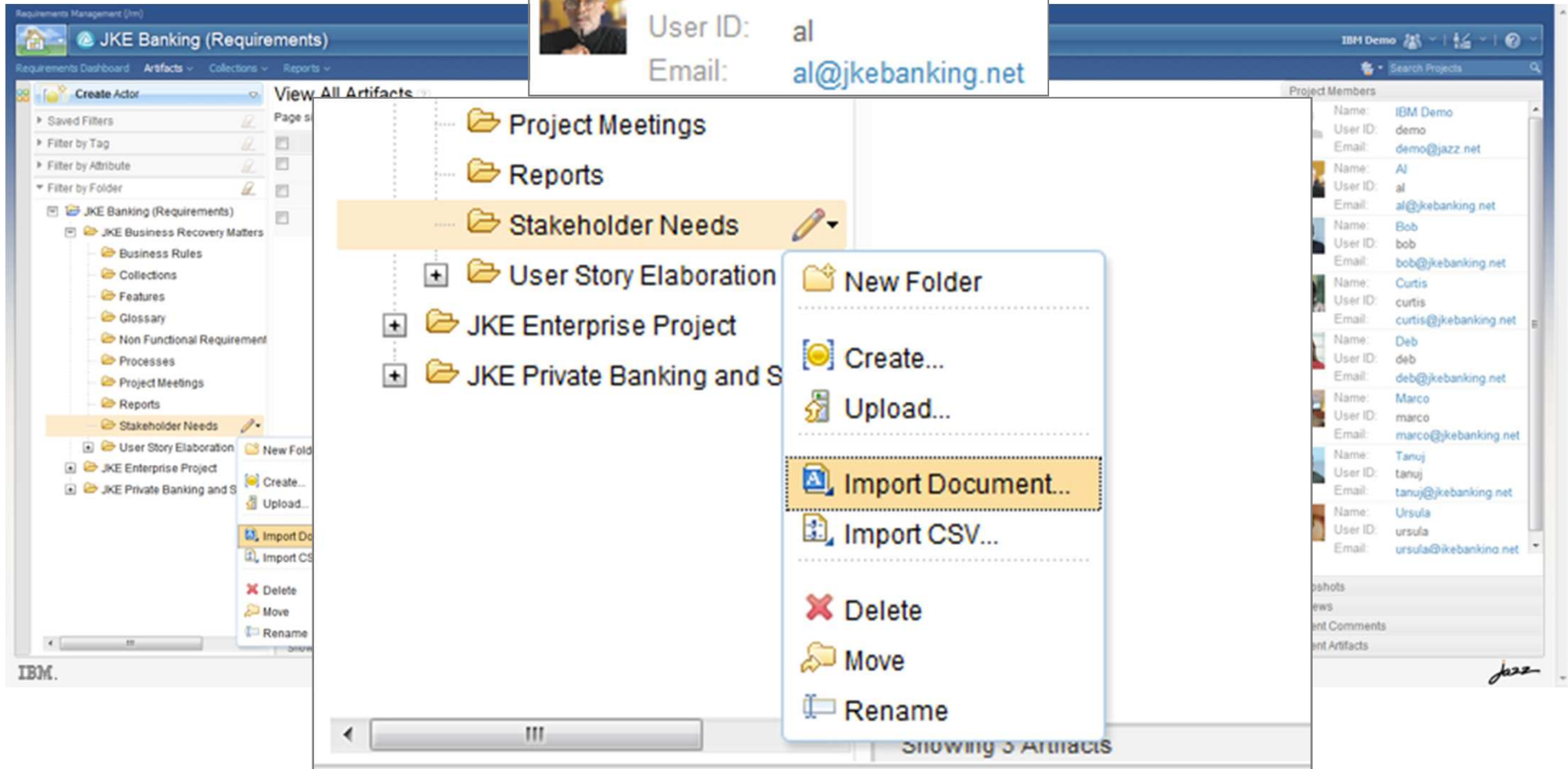
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Import Stakeholder Specifications Document




 Name: Al
 User ID: al
 Email: al@jkebanking.net



The screenshot shows the IBM Requirements Composer interface for a project named 'JKE Banking (Requirements)'. The left sidebar displays a tree view of artifacts, with 'Stakeholder Needs' selected. The main workspace shows a hierarchical view of artifacts: 'Project Meetings', 'Reports', 'Stakeholder Needs', 'User Story Elaboration', 'JKE Enterprise Project', and 'JKE Private Banking and S...'. A context menu is open over the 'Stakeholder Needs' folder, listing actions such as 'New Folder', 'Create...', 'Upload...', 'Import Document...', 'Import CSV...', 'Delete', 'Move', and 'Rename'. The 'Import Document...' option is highlighted. On the right, a 'Project Members' list shows several users, including 'Al' with email 'al@jkebanking.net'. The bottom status bar indicates 'Showing 5 Artifacts'.

Create Requirements from Document



The document was converted.

JKE Banking (Requirements) > JKE Business Recovery Matters Project > Stakeholder Needs >

183: New Stakeholder Request

Name: Curtis
User ID: curtis
Email: curtis@jkebanking.net

Format: Heading 2 | Font: Arial | Size: 10 | Bold | Italic | Underline | Text Color | Background Color | Bulleted List | Numbered List | Table | Insert Image | Insert Artifact | Save as New "Stakeholder Need" and Link | Save as New "Stakeholder Need" and Insert | Create New Term | Create Link | Create Matching Trace Link | Find and Replace

Introduction

Requirement 1

Overview

183: New Stakeholder Request

Description:

Project: JKE Banking (Requirements)
Created On: Mar 5, 2012 5:43:16 PM
Created By: IBM Demo
Modified On: Mar 5, 2012 5:45:28 PM
Modified By: IBM Demo

Type: Stakeholder Need
Format: Text
Business Priority:
Status:
Difficulty:
Stability:
Origin:

Comments
Links
Collections and Reviews

Remote Systems | Properties

- New Connection
- Local
- torasbfc
- torasp4
- Objects
 - Work with libraries...
 - Work with objects...
 - Work with members...
 - Library list
 - User libraries
- Commands

Create Requirements from Document



Outline flows with **Process Diagrams**

Describe flows and capture requirements in **Rich-text Documents**
Define and reuse common terms in **Glossaries**

Group related scenarios, describe actors, system boundaries and user goals with **Use Cases**

Use whiteboard snapshots and other **Informal Documentation**

Visualize scenarios with **Storyboards** and **Screen Flows**

The collage illustrates the integration of various modeling techniques into the Requirements Composer tool. It shows how requirements from a document can be visualized through process diagrams, use cases, storyboards, and informal whiteboard sketches.

Assign Implementation and Test Workitems



✓ The document was converted.

Create Stakeholder Need

View All Artifacts

ID	Name
65	G
100	P
139	H
183	N
184	

Page size: 20

Linking from artifact: Requirement 1 [Nunc et erat eget velit temporvenen...]
Link type: Implemented By

Artifact Container: JKE Banking (Change Mana...
Choose Existing Create New

Type: Story

Summary: * Nunc et erat eget velit temporvenen...
Against: * JKE/BRM

Story Points: 3 pts

Owned By: Bob

Priority: High

Planned: Sprint 1

Description:

Acceptance Test

Name: Bob
User ID: bob
Email: bob@jkebanking.net

Name: Tanuj
User ID: tanuj
Email: tanuj@jkebanking.net

Development Lead

Testing Lead


OK Cancel

Prioritize and assign workload



Release 1.0 Backlog
34 items: 29 open, 5 closed | Ends in: 23 days

Plan Details



Name: Bob
User ID: bob
Email: bob@jkebanking.net

Planned Items	Actions	Summary
<div style="border: 1px solid gray; padding: 2px;"> <ul style="list-style-type: none"> Create Work Item Edit Work Item Revert Work Item Promote Demote Move Above Move Below Move Into Plan For Assign To Owner Add Link </div>	<div style="border: 1px solid gray; padding: 2px;"> <ul style="list-style-type: none"> Bob Deb IBM Demo Marco Tanuj </div>	<div style="border: 1px solid gray; padding: 2px;"> <ul style="list-style-type: none"> Calculation error Nunc et erat eget velit tempor venen... ks are not working t working anymore nt - Donor Dividend Allo vidend Allocation Criteri essages are not externa eption nt - Frequency of dividen nt - Requests sent in fo nt - Organization must i nt - Organizations may a n Nor ust p can A ordin sfer Donors Deposit Money Into a Po </div>
<div style="border: 1px solid gray; padding: 2px;"> <ul style="list-style-type: none"> Create Work Item Edit Work Item Revert Work Item Promote Demote Move Above Move Below Move Into Plan For Assign To Owner Add Link </div>	<div style="border: 1px solid gray; padding: 2px;"> <ul style="list-style-type: none"> Release 1.0 Sprint 2 Sprint 3 Product Backlog Browse... </div>	<div style="border: 1px solid gray; padding: 2px;"> <ul style="list-style-type: none"> Calculation error Nunc et erat eget velit tempor venen... ks are not working t working anymore nt - Donor Dividend Allocati vidend Allocation Criteria essages are not externalize eption nt - Frequency of dividend tr nt - Requests sent in form o nt - Organization must iden nt - Organizations may appl ning rovi pply ato </div>



Pushed directly to the developers





Name: Deb
User ID: deb
Email: deb@jkebanking.net

Work Items - JKEServer/src/com/jke/server/JKEServer.java - Rational Team Concert

File Edit Source Refactor Navigate Search Project Run Window Help

Team Ar Team Da *My Wo

Inbox (JKE Banking (Change Management))

- Login not working anymore 5h BRM
- Implement - Requests sent in form of email 4d BRM
- Implement - Frequency of dividend transfer 1w BRM
- Some messages are not externalized 5h

Current Work (JKE Banking (Change Management))

tomorrow (1 items)

- Nunc et erat eget velit tempor venen. 75

Future Work (JKE Banking (Change Manager))

```

* {@link #productionWebFolder} isn't available.
*/
public static final File developmentWebFolder= new File("../JKEWebUI/WebContent/");

private static Server server;

public static void main(String[] args) {
    server= new Server(8080);
    HandlerList handlers= new HandlerList();

    Context context= new Context(Context.SESSIONS);
    context.setContextPath("/");
    context.addServlet(new ServletHolder(new UserResource()), "/user/*");
    context.addServlet(new ServletHolder(new AdminResource()), "/admin/*");
    context.addServlet(new ServletHolder(new OrganizationsResource()), "/organizations/*");
    context.addServlet(new ServletHolder(new TransactionsResource()), "/transactions/*");

    /**
     * Serve Web UI files from either their location in production or
     * development environment http://localhost:8080/ maps to ./web/index.html
     * or JKEWebUI/WebContent/index.html
     */
    File webFolder= productionWebFolder.exists() ? productionWebFolder : developmentWebFolder;
    ResourceHandler resourceHandler= new ResourceHandler();
    resourceHandler.setWelcomeFiles(new String[] { "index.html" });
    resourceHandler.setResourceBase(webFolder.toString());

    handlers.addHandler(resourceHandler);
    handlers.addHandler(context);

    server.setHandler(handlers);
    
```

Work Items Tag Cloud Problems Pending Changes Team Advisor Builds

Retrieved 7 of 7 work items - Open assigned to me

	Id	Status	P	S	Summary	Owned By	Created By
	75	New			Nunc et erat eget velit tempor venen.	Deb	IBM Demo
	43	New			Implement - Requests sent in form of email	Deb	Marco
	41	New			Implement - Frequency of dividend transfer	Deb	Marco
	28	New			Login not working anymore	Deb	Marco
	21	New			Some messages are not externalized	Deb	Deb
	7	New			Offer more services related to loans	Deb	Rebecca
	4	New			Provide faceted search capabilities	Deb	Deb

Search for ID or Text JKE Banking (Chang... <No Current Work>



Pushed directly to the developers



Requirement 1

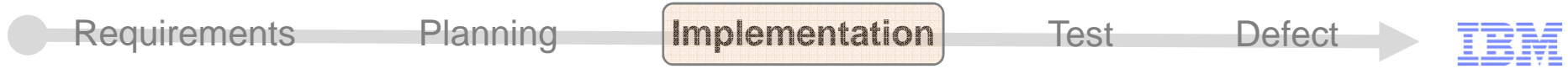
Nunc et erat eget velit tempor venenatis vel non lacus. Donec varius luctus nunc, at sagittis justo pellentesque sit amet. Ut erat ipsum, luctus a fringilla vitae, sollicitudin nec purus. Donec quis justo quam. Pellentesque cursus ullamcorper ipsum non congue. Nam varius est ut nulla tempor auctor tempor uma sodales. Nam id lectus est, eget facilisis massa. Sed vulputate odio id nibh aliquet euismod. Ut luctus tincidunt est, vel commodo sapien accumsan nec. Nulla vestibulum ultrices feugiat. In ut sem a magna vestibulum congue eu et mauris.

Overview

184: Requirement 1
 Nunc et erat eget velit tempor venen...
 Description: Extracted from New Stakeholder Request
 Project: JKE Banking (Requirements)
 Created On: Mar 5, 2012 5:47:17 PM
 Created By: IBM Demo
 Modified On: Mar 5, 2012 5:47:17 PM
 Modified By: IBM Demo

Type: Stakeholder Need
 Format: Text
 Business Priority:
 Status: Draft
 Difficulty:
 Comments
 Links
 Collections and Reviews

Id	Status	P	S	Summary	Owned By	Created By
75	New			Nunc et erat eget velit tempor venen.	Deb	IBM Demo
43	New			Implement - Requests sent in form of email	Deb	Marco
41	New			Implement - Frequency of dividend transfer	Deb	Marco
28	New			Login not working anymore	Deb	Marco
21	New			Some messages are not externalized	Deb	Deb
7	New			Offer more services related to loans	Deb	Rebecca
4	New			Provide faceted search capabilities	Deb	Deb



Up- and Downward traceability for code changes



JKEServer.java
*75: Nunc et erat eget velit tempor...

Story 75

Summary: * Nunc et erat eget velit tempor venen.

Details

Type: Story

Filed Against: JKE/BRM

Story Points: 3 pts

Progress:

Team Area:

Creation Date:

Created By:

Tags:

Owned By:

Priority:

Planned For:

Quick Information

Change Sets (1): #1

Properties

Java Structure Compare

- Compilation Unit
 - JKEServer
 - developmentWebFolder : File

Java Source Compare

JKEServer.java (after) (read-only)	JKEServer.java (before) (read-only)
<pre> * {@link #productionWebFolder} isn't available.test */ public static final File developmentWebFolder= new File("../JKEWebUI/WebConter private static Server server; public static void main(String[] args) { server= new Server(8080); HandlerList handlers= new HandlerList(); Context context= new Context(Context.SESSIONS); context.setContextPath("/"); context.addServlet(new ServletHolder(new UserResource()), "/user/**"); context.addServlet(new ServletHolder(new AdminResource()), "/admin/**"); context.addServlet(new ServletHolder(new OrganizationsResource()), "/organ context.addServlet(new ServletHolder(new TransactionsResource()), "/tr </pre>	<pre> * {@link #productionWebFolder} isn't available. */ public static final File developmentWebFolder= new File("../JKEWebUI/WebCo private static Server server; public static void main(String[] args) { server= new Server(8080); HandlerList handlers= new HandlerList(); Context context= new Context(Context.SESSIONS); context.setContextPath("/"); context.addServlet(new ServletHolder(new UserResource()), "/user/**"); context.addServlet(new ServletHolder(new AdminResource()), "/admin/**"); context.addServlet(new ServletHolder(new OrganizationsResource()), "/o context.addServlet(new ServletHolder(new TransactionsResource()), "/tr </pre>



Connect to a remote System



Name: Ursula
User ID: ursula
Email: ursula@ikebanking.net

- New Connection
- Local
- torasbfc
- torasp4
 - Objects
 - Work with libraries...
 - Work with objects...
 - Work with members...
 - Library list
 - User libraries
 - Commands
 - Jobs
 - IFS Files
 - Qshells



Create an iProject



The screenshot shows the Rational Developer for Power interface. On the left, a 'Remote Systems' tree view lists various project components. A context menu is open over the 'AROD_ML.*lib.prj' component, with the 'Add To iProject...' option highlighted. On the right, another 'iPr' tree view shows a project structure with 'torasp4_AROD_ML' selected. A context menu is open over the 'MLGMV' component, with the 'Open With' option selected, and a sub-menu is open showing 'Remote Systems LPEX Editor' as the selected option.



Rational Developer for Power



The screenshot displays the Rational Developer for Power IDE interface. On the left, a project tree shows a project named 'torasp4_AROD_ML' with sub-projects like 'BUILD', 'QCLSRC', and 'QDSSRC'. The main editor window shows a COBOL program 'MLGMNUD.DSPF' with the following code:

```

Line 9      Column 45  Replace
.....AANO1NO2NO3..Name+++++RLen++TdPBLinPos+++++functions+++++
000100      A * MLGMNUD - Mailing list menu - used by MLGMNUC
000200      A                                     PRINT
000300      A                                     R MENU
000400      A                                     TEXT('Mailing menu')
000500      A                                     CA03(93 'Exit')
000600      A                                     SETOFF(71 'Bad select')
000700      A                                     SETOFF(51 'Not auth')
000800      A                                     1 25'Mailing List Menu'
000900      A                                     DSPATR(HI)
001000      A                                     2 64'System:'
001100      A                                     +2
001200      A                                     3 2'Select one of the +
001300      A                                     following'
001400      A                                     5 7'1. Inquire into Mailing +
001500      A                                     List Master'
001600      A                                     6 7'2. Maintain Mailing +
001700      A                                     List Master'
001800      A                                     7 7'3. Submit listing by +
  
```

On the right, an Outline view shows the structure of the program, including sections like 'PRINT' and 'MENU'. At the bottom, a 'Remote Systems' view shows a list of system configurations, including 'ANIKETD.*lib.test', 'AROD_ML.*lib.prod', and various source file types like '*file.pf-src'.



Rational Developer for Power



The screenshot displays the Rational Developer for Power interface. The top pane shows a project browser with a tree structure:

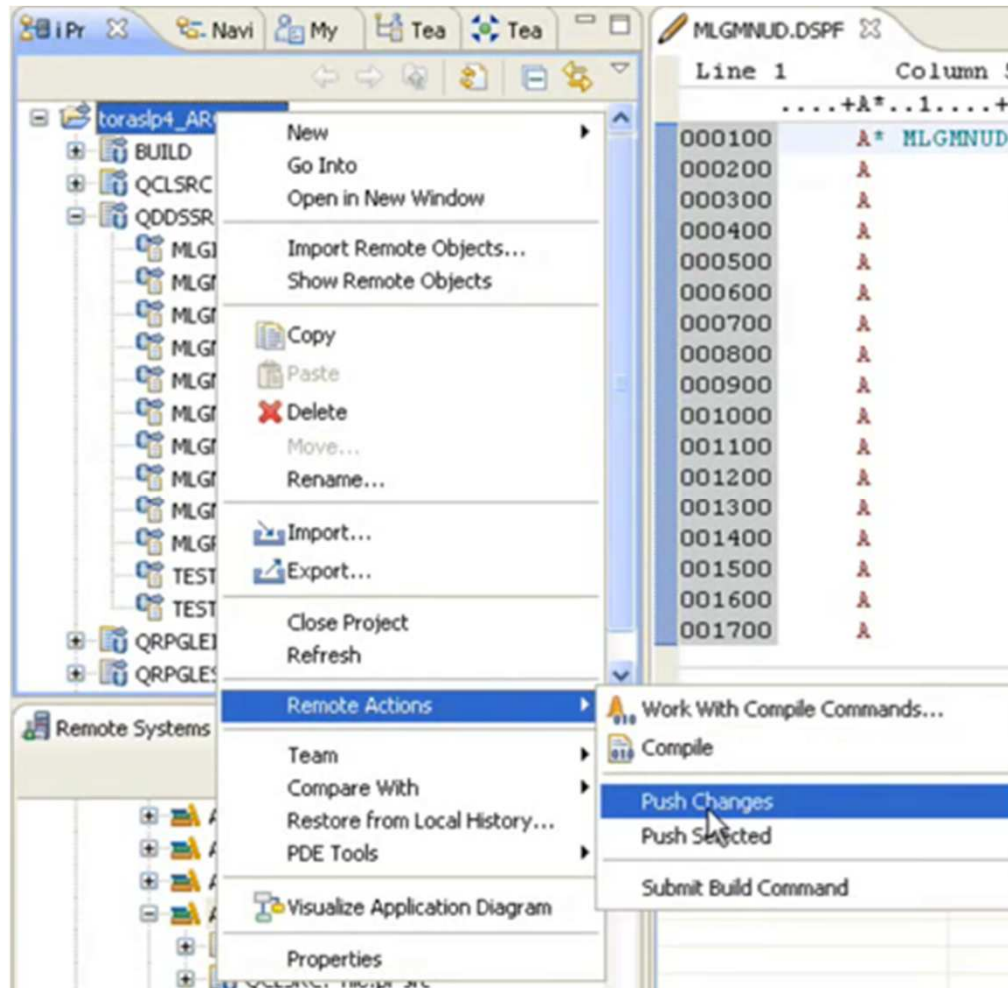
- MLGRPTS
 - MLGRPTR
- MAILLIST
 - MLGINQR
 - MLGLBLR
 - MLGMNUC
- MLGMTNS
 - MLGMTNC
 - MLGMTNR
 - MLGNAMR

The bottom pane shows the Properties window for the selected **MLGMNUC** module. The properties are as follows:

Category	Property	Value
General	Name:	MLGMNUC
Procedures	Library:	AROD_O
	Type:	*MODULE
	Subtype:	CLLE
	Debuggable:	Yes
	Source:	AROD_L/QCLSRC(MLGMNUC)
	Creation time:	10/6/11 2:56 PM
	Parent Name:	AROD_O/MAILLIST
	Parent Type:	*PGM
	Connection:	alfonso-nb1.i7adt07.torolab.ibm.com



Publish Changes



Build Specifications

Rational Developer for Power

The screenshot displays the IBM i Build Specification Editor interface. The main window shows a list of builders under the 'Builders' section, including Build_Reference Files, Build_Physical Files, Build_Logical Files, Build_Display Files, Build_RPG_Modules, and various CL Modules and Programs. A dialog box titled 'Properties for Maillist' is open, showing the 'i Project Build' configuration. The 'Active build style' is set to 'Build Specification'. Below this, there are fields for 'CL Program', 'Command', and '*NONE'. The dialog also includes buttons for 'Configure...', 'Restore Defaults', 'Apply', 'OK', and 'Cancel'. In the background, another dialog box for 'Build Agent Authentication' is visible, showing fields for 'User name:' (alfonso), 'Password:', and 'Confirm Password:'. The bottom of the editor shows tabs for 'Overview', 'Builders', and 'Command Sets'.



Build Information



Rational Developer for Power

The screenshot displays the Rational Developer for Power interface. On the left, a tree view shows the project structure with 'Builds' selected. The main window shows details for build '20111117-1954570405'. The build is marked as 'Completed' with a green checkmark. A 'Contribution Summary' section lists 0 errors and 34 warnings. A 'Reported Work Items' section shows no items reported. A 'General Information' section lists the build definition and engine. A 'Source Code' window is open over the 'Builds' folder, showing a list of files with a search result for 'MLGMINQR'.

Build Information:

- Status:** Completed
- Duration:** 1 minute, 16 seconds
- Start Time:** November 17, 2011 7:54:57 PM
- Completed:** November 17, 2011 7:56:14 PM
- Status Trend:** [Green bar chart]

Contribution Summary:

- Changes: [Show changes](#)
- Compile: 0 errors, 34 warnings
- Logs: [2 logs](#)
- Repository Workspace: [Dependency and Build Demonstration Stream Workspace](#)
- Snapshot: [Dependency and Build Demonstration build 20111117-1954570405](#)
- Work items: None included

Reported Work Items:

- None reported against this build
- [Create a new work item](#)
- [Associate an existing work item](#)

General Information:

- Requested by: RTCADM
- Build Definition: [Dependency and Build D](#)
- Build Engine: [Dependency and Build D](#)
- Build History: [2 builds](#)
- Tags: [Empty field]
- Deletion allowed

Source Code Search Results:

fileName
MLGMTN
MLGLBLR
MLGNAM
MLGINQR



Close the Implementation Workitem



The screenshot shows the IBM Team Concert interface for a project named "IBM Sprint 2 (1.0) Plan". At the top, there is a toolbar with icons for search, add, edit, and save, along with a "Save" button. Below the toolbar, a dropdown menu is open, showing a green checkmark and the text "Set Done". The main content area displays a list of work items under the heading "View As: Work Breakdown". The list includes several items, with one item highlighted by a red box: "Nunc et erat eget velit tempor venen...". Other items include "Some links are not working", "Login not working anymore", "Some messages are not externalized", "Frequency of dividend transfer", and "Requests sent in form of email". The list is organized by user, with sections for Bob, Deb, IBM Demo, and Marco.



Synchronize Test Cases with Requirements




 Name: Tanuj
 User ID: tanuj
 Email: tanuj@jkebanking.net

The screenshot shows the IBM Quality Manager interface for 'JKE Banking (Quality Management)'. A dialog box titled 'Reconcile requirement collections, generate new test cases' is open. It features a 'Pending Actions' list with 'Reconcile Added Items' and 'Reconcile Deleted Items'. The main area displays 'Requirements added since last reconciliation' with a table of items. The first item is '132: Dividend processing payment is a one time transaction.' and the second is '184: Requirement 1 Nunc et erat eget velit tempor venen...', which is selected. A 'Generate New Test Cases...' button is highlighted. The dialog also includes a 'Finish' button at the bottom right.

Summary
<input type="checkbox"/> 132: Dividend processing payment is a one time transaction.
<input checked="" type="checkbox"/> 184: Requirement 1 Nunc et erat eget velit tempor venen...



Cerate the Tests



Name: **Marco**
 User ID: **marco**
 Email: **marco@jkebanking.net**

Script Steps

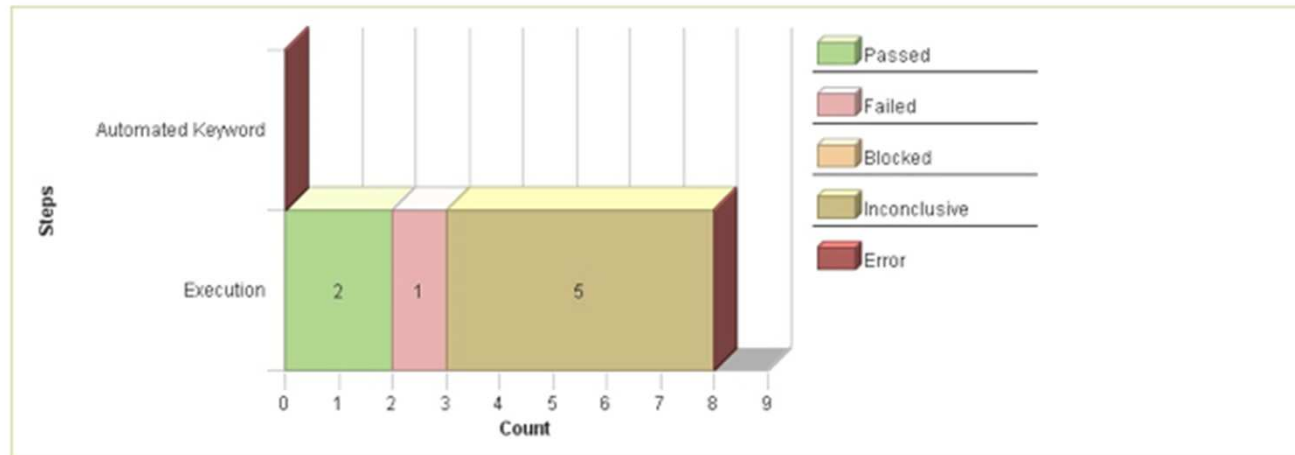
Step	Result	Description	Expected Results	Actual Results
1		JKE Login Log into JKE Banking with username jbrown and password jbrown.	Accounts Overview screen appears 	
2		Select Money Market Savings Account 	Account Details screen appears 	
3		Click Allocate Dividend Percentage button 	Money That Matters screen appears	
4		Select American Cancer Society and click Add 	American Cancer Society is added to the organizations list 	
5		Enter 10 for the Percentage and click Next	Verify Donation Organization is American Cancer Society and Donation Amount is \$50.00 	



Execute the Tests - Reporting



Result Details ?



Step	Type	Result	Description	Expected Results										
1			JKE Login	Accounts Overview screen appears										
			Log into JKE Banking with username jbrown and password jbrown .											
2			Select Money Market Savings Account	Account Details screen appears										
			Accounts Overview <table border="1"> <thead> <tr> <th>Account Type</th> <th>Available Balance</th> </tr> </thead> <tbody> <tr> <td>Checking Account</td> <td>\$1,900.00</td> </tr> <tr> <td>IRA Retirement Account</td> <td>\$25.00</td> </tr> <tr> <td>Money Market Savings Account</td> <td>\$500.00</td> </tr> <tr> <td>Savings Account</td> <td>\$12,500.00</td> </tr> </tbody> </table>	Account Type	Available Balance	Checking Account	\$1,900.00	IRA Retirement Account	\$25.00	Money Market Savings Account	\$500.00	Savings Account	\$12,500.00	
Account Type	Available Balance													
Checking Account	\$1,900.00													
IRA Retirement Account	\$25.00													
Money Market Savings Account	\$500.00													
Savings Account	\$12,500.00													
3			Click Allocate Dividend Percentage button	Money That Matters screen appears										
				American Cancer Society is added to the organizations list										



Feedback to developers via Defects



77: Failing Test Case "Allocate Dividends by Percentage" ✖

Status: ➔ New

Resolution: Unresolved

Details

<p>Type: 🔍 Defect</p> <p>Filed Against: JKE</p> <p>Severity: ⊘ Blocker</p> <p>Found In: Sprint 1</p> <p>Project Area: JKE Banking (Change Management)</p> <p>Creation Date: March 5, 2012 6:09 PM</p> <p>Created By: IBM Demo</p>	<p>Tags:</p> <p>Owned By: IBM Demo</p> <p>Priority: 📌 High</p> <p>Planned For: Sprint 1</p> <p>Estimate:</p> <p>Time Spent:</p> <p>Due Date: Unassigned</p>
---	---

Quick Information

🔗 Subscribers (1): ID

Description

Test Case: Allocate Dividends by Percentage

Test Script: Allocate Dividends by Percent

Project Area: JKE Banking (Quality Management)

📄 Show More



Defects pushed directly to the developers

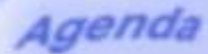



Name: Bob
User ID: bob
Email: bob@jkebanking.net


Name: Deb
User ID: deb
Email: deb@jkebanking.net

The screenshot shows the IBM Team Concert interface. On the left, a list of work items is visible, with 'Login not working anymore' highlighted in a red box. The main area displays the details for 'Story 75', including its summary, type, progress, and ownership. At the bottom, a table lists several work items.

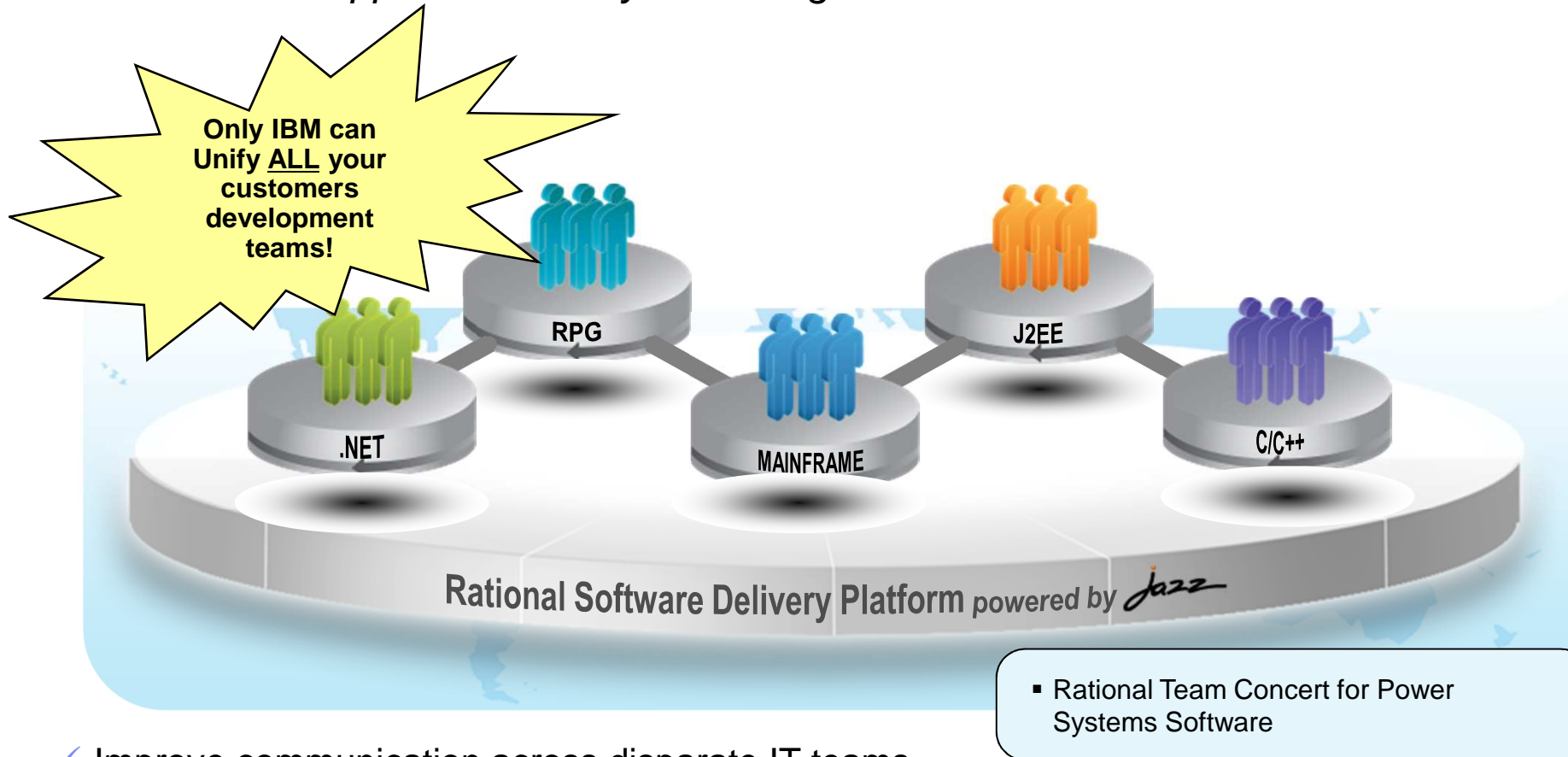
Id	Status	P	S	Summary	Owned By	Created By
75	New	High	Story	Nunc et erat eget velit tempor venen.	Deb	IBM Demo
43	New	High	Story	Implement - Requests sent in form of email	Deb	Marco
41	New	High	Story	Implement - Frequency of dividend transfer	Deb	Marco
28	New	High	Story	Login not working anymore	Deb	Marco
21	New	High	Story	Some messages are not externalized	Deb	Deb
7	New	High	Story	Offer more services related to loans	Deb	Rebecca
4	New	High	Story	Provide faceted search capabilities	Deb	Deb

The word "Agenda" is written in a blue, sans-serif font on a light blue background that features a blurred image of a globe.

1. Introduction
2. Rational Software Delivery Platform Overview
3. Rational Tools for IBM i
4. Application Lifecycle Management (ALM) with Rational Software
5. Complete Jazz in 5 Minutes
6. Summary

Rational Team Concert for Power Systems

Collaborative Application Lifecycle Management



- ✓ Improve communication across disparate IT teams
- ✓ Detect and accelerate resolution of defects early
- ✓ Make Informed decisions
- ✓ Make software development more automated, transparent and predictable

Thank
YOU



www.jazz.net

http://www.ibm.com/developerworks/downloads/emsandbox_power/index.html