



IBM Software Group

New & Enhanced i products from IBM Rational including Rational Team Concert for i

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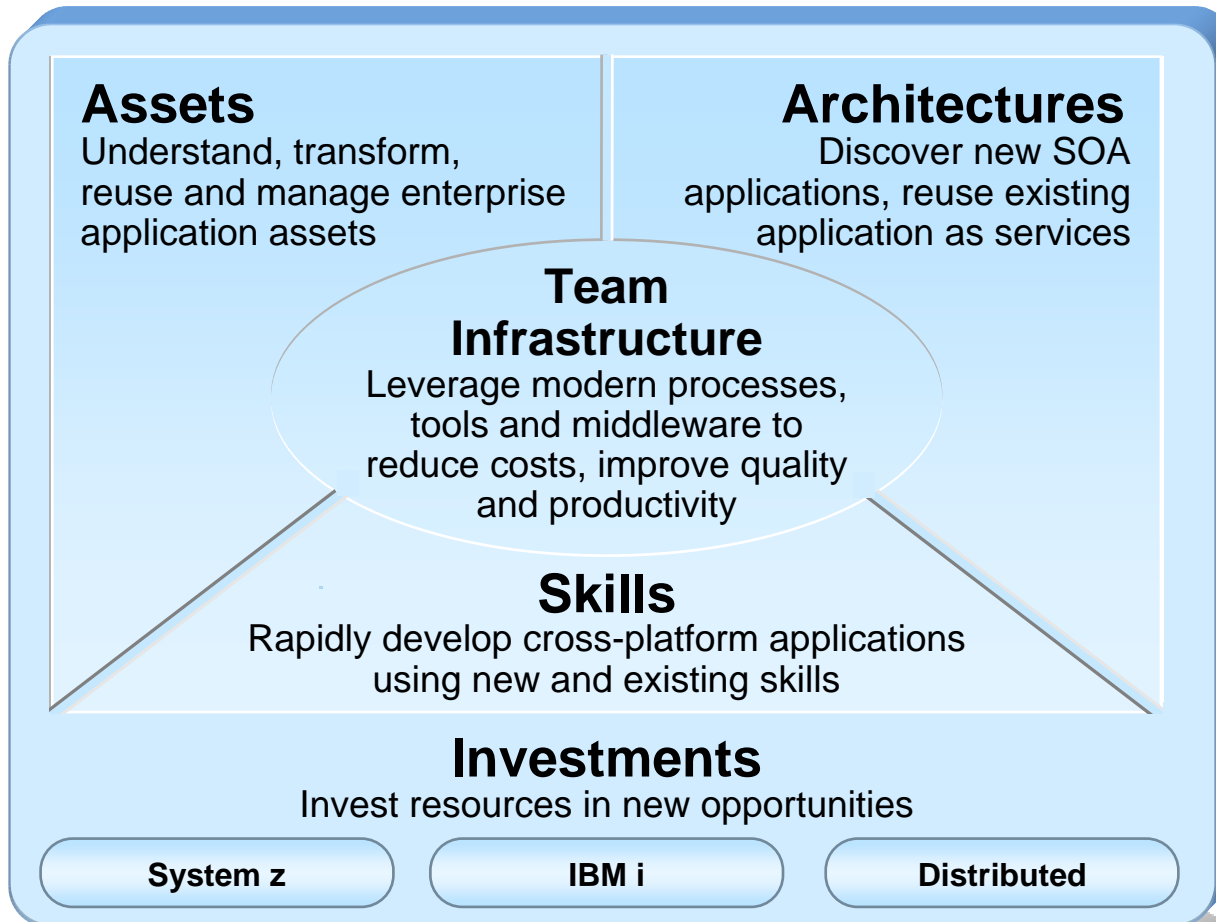


Agenda

- Enterprise Modernization for IBM i
 - What's New?
- Rational Team Concert for i
 - Customer Challenges
 - Overview of Jazz & RTC
 - RTC for IBM i
 - Scenario



Enterprise Modernization – Solution Overview



- ✓ Leverage value in existing assets
- ✓ Develop new workloads with SOA and web technology advancements
- ✓ Leverage existing and new staff on multi-platform projects
- ✓ Improve quality and flexibility with a consolidated team infrastructure
- ✓ Reduce maintenance costs

For more information, visit:
www.ibm.com/rational/modernization





Business intelligence and technical analysis of application systems

Understand how their IT systems support their business processes and then enhance them in a predictable manner

- ✓ Map business processes to IT systems
- ✓ Harvest business rules & potential services within existing apps, including 5250 apps
- ✓ Refactor existing System i apps for reuse?
- ✓ Perform impact analysis for all enterprise assets, avoid downtime due to unforeseen code dependencies
- ✓ Manage asset development & deployment throughout the software lifecycle
- ✓ Maintain control over code provided by outsourcers, business partners, or acquired through a merger?
- ✓ Accelerate SOA efforts?

Enterprise portfolio management

- ✓ Map business processes to IT Systems
- ✓ Comprehensive inventory of assets for impact analysis
- ✓ Identify business rules & potential services, refactor for reuse
 - **X-Analysis from Databorough**
- ✓ Use Application Diagram tool to show flow charts of ILE RPG, ILE COBOL, CL , programs and service programs
 - **Rational Developer for i**
- ✓ Manage assets during development
 - **Rational Asset Manager**
- ✓ Manage deployed services
 - **WebSphere Services Registry & Repository**

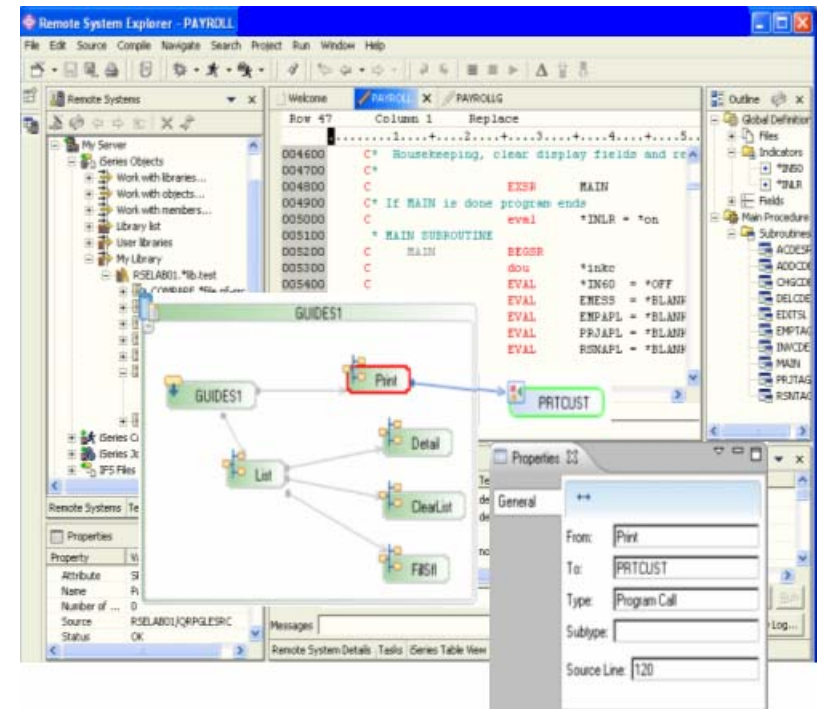


Accelerate development of traditional RPG & COBOL applications for IBM i



IBM Rational Developer for i v7.5

- ✓ Accelerate development of IBM i applications
 - Eclipse-based IDE for RPG and COBOL programmers, including edit/compile/debug capabilities.
- ✓ Increase developer productivity and flexibility
 - New and existing skills can collaborate, navigate IBM i applications and make code changes quickly
- ✓ Integrated application lifecycle
 - Support for centralizing IBM i resources in a common change management repository with Rational Team Concert for i v1.0



[IBM Rational Developer for i v7.5](#)

GA: Oct 31st

Develop new SOA apps, reuse existing apps as services



Move to a more flexible architecture to enable business agility

- ✓ Create web services easily from existing code including RPG, COBOL and green screen applications
- ✓ Build services once and deploy them across all platforms
- ✓ Ensure new SOA applications will be easy to extend and maintain

Solutions to move to flexible architecture

- ✓ Expose 5250 applications as web services
- **HATS for 5250**
- ✓ Quickly create web services from existing COBOL, RPG, Java or EGL applications
- **RDi SOA**
- **Rational Business Developer (EGL)**
- **Rational Application Developer**
- ✓ Create new platform-independent services
- **RBD (EGL Service Keyword)**
- ✓ Leverage Model Driven Development – transform UML to Java, EGL, WSDL
- **Rational Software Architect**





Transform green screens to user interfaces and services

IBM Rational Host Access Transformation Services for 5250 v7.5

- ✓ Extend reach of 5250 screens applications to new users
 - Transform 5250 screens to Web, rich client, portlet, or mobile applications, or can be SOA-enabled as Web services
- ✓ Faster return on investment with lower risk
 - Reuse proven, dependable and reliable business processes instead of rewriting
- ✓ Shorten learning curve and training costs
 - Reduced average service times, training time, and employee turnover
- ✓ Simplify customer and partner integrations
 - Achieve integration with other business information with minimal development cost
- ✓ Build robust and reliable Web services easily
 - New Visual Macro Editor enhancements and full support
- ✓ Support for latest runtimes
 - IBM WebSphere Application Server V7.0, IBM WebSphere Portal V6.1
- ✓ Support for latest development environments
 - Eclipse 3.4-based IBM Rational development environment.

Rich Client



Web



Web Service



Mobile



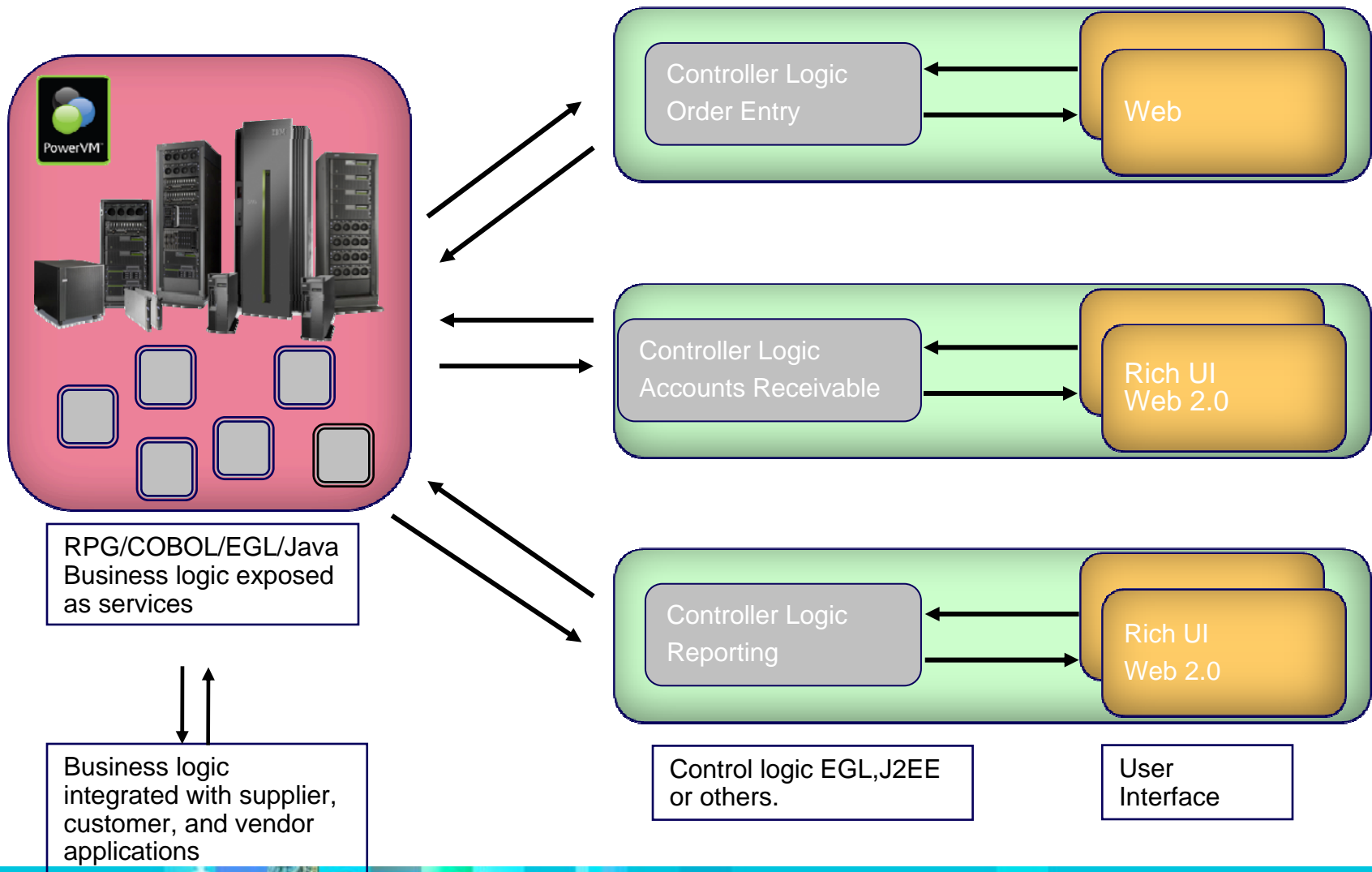
Portal



[IBM Rational Host Access Transformation Services for 5250 v7.5](#)

GA: Oct 31st

Target Architecture



Accelerate development of traditional RPG and COBOL applications and web services and SOA for IBM i

IBM Rational Developer for i for SOA Construction v7.5



Rational Developer for IBM i (RDi)

- RPG, COBOL, CL
- Edit, Compile, Debug
- New 5250 Screen Designer
- New application diagrammer
- Smaller footprint (minimum 512mb memory)



RDi SOA

- Traditional RPG, COBOL development
- Create Web Services from IBM i programs
- Consume Web Services via EGL
- Create modern Web 2.0 applications leveraging RPG/COBOL via EGL



Rational Business Developer (RBD)

- EGL (Enterprise Generation Language)
- Java without the Java
- Web 2.0
- Web Services
- Modern language and user interfaces
- Generate JavaScript & API support

Modern Language Merges with Core Business Systems & Heritage Languages



Leverage new & existing skills to build new apps



Use existing developers to build modern cross-platform apps that leverage new technologies like Web 2.0

- ✓ Use existing staff to build end-to-end, multi-platform apps, including sophisticated Web 2.0 and SOA solutions
- ✓ Use abstractions to hide technology, middleware, and platform complexities
- ✓ Attract new staff with EGL - “IBM’s newest business language”
- ✓ Harness a growing community of partners, ISVs, and customers with the [EGL Café](#)

Cross-platform application development

- ✓ Provide tools for traditional development languages including RPG, COBOL
 - **RDi SOA with RDi**
- ✓ Apply existing business-knowledgeable staff to build all elements of multi-platform applications... including end-to-end from Web 2.0 to services to batch processes
- ✓ Attract new staff with IBM’s latest business language
- ✓ One application, supported on multiple platforms with EGL
 - **RDi SOA with Rational Business Developer (EGL)**



EGL – Enabling Web 2.0 for the enterprise



- ✓ Users now expect modern, interactive UIs (e.g. Google™ Maps, ESPN™ gamecast)
- ✓ Browsers are ubiquitous and increasingly powerful
- ✓ Web 2.0 for enterprise apps requires browsers for presentation logic, backend servers for business and data access logic
- ✓ Implementation involves many low-level technologies
- ✓ EGL Rich UI hides complexities, enabling business developers to build sophisticated Web 2.0 solutions



RSDC conference scheduler application for iPhone, built with EGL Rich UI



Google Maps is a familiar example of Web 2.0 technology at work

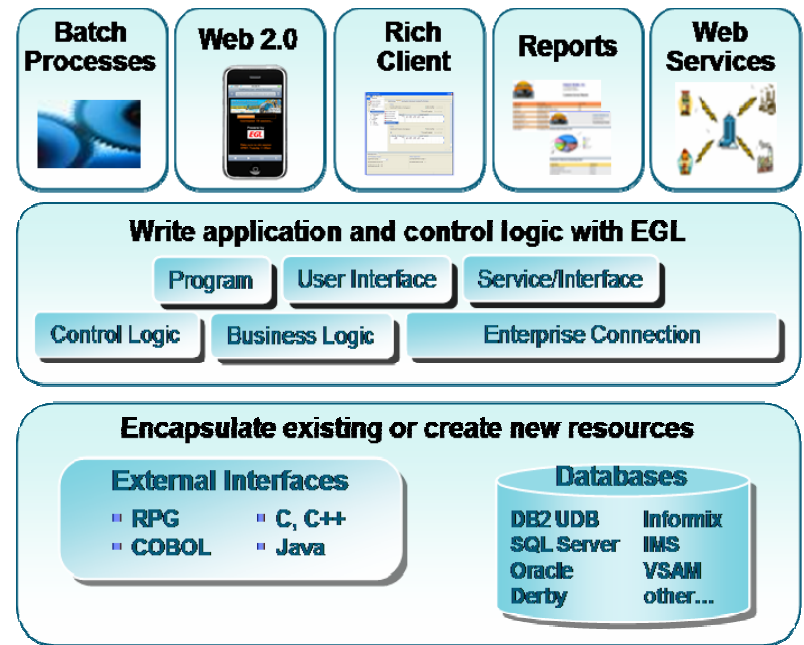


Simplify Multiplatform SOA and Web 2.0 development

IBM Rational Business Developer v7.5 and v7.5.1



- ✓ Deliver modern innovative solutions with the available resources
 - Simpler, faster way to integrate mainframe, mid-range or distributed applications to Web 2.0 and SOA
- ✓ Lower development costs and decrease time to market
 - Platform independent development approach induces a significantly lower error rate and higher quality overall
- ✓ Increase competitive advantage
 - Break down skills and technology silos for faster delivery of new business solutions
- ✓ Increase programmer productivity
 - New developers can work independently with minimal support from subject matter experts
- ✓ Deploy to your choice of target environment
 - J2EE, IBM i (System i), Windows, Linux, zLinux, HP/UX, Solaris, AIX, and z/OS (batch CICS and IMS)
- ✓ Support for latest runtimes
 - IBM WebSphere Application Server V7.0, IBM WebSphere Portal V6.1, CICS v3.2, IMS v10 and MQ
- ✓ Support for latest development environment
 - Eclipse 3.4-based IBM Rational development environment, including JSF v1.2



[IBM RDi SOA v7.5 & v7.5.1](#)

GA: Nov 26th



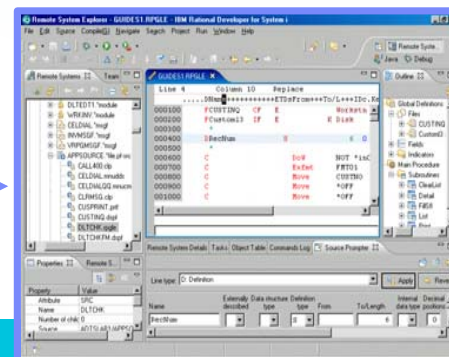
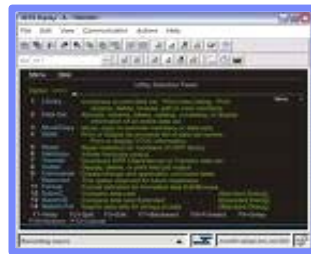
Achieve high productivity, attract talent with modern IDEs

Increase productivity of their development staff, as well as attract new employees to this work

- ✓ Attract new and younger developers to backfill retiring developers with Eclipse-based IDEs
- ✓ Develop applications faster using built-in high productivity features
- ✓ Create web services quickly from existing and new RPG, COBOL, Java, or EGL code
- ✓ Reduce IBM i workload by doing verify on developer workstations
- ✓ Take advantage of new capabilities in Jazz

Rapid application development

- ✓ Use modern IDEs to develop and maintain code
- ✓ Debug and test from workstation
- ✓ Experienced RPG & COBOL developers made switch to new RDi IDE while sustaining workload
- ✓ Younger developers appreciated RDi productivity tools and how easily legacy applications could be navigated
 - Rational Developer for i
 - Rational Developer for i for SOA Construction
 - Rational Business Developer
 - Rational Application Developer



al

Common infrastructure & tooling to improve collaboration and governance



Enable multi-platform collaboration, testing and traceability

- ✓ Use the same end-to-end lifecycle tools, and processes for IBM i and distributed
- ✓ Reduce team infrastructure costs across the enterprise
- ✓ Exploit Jazz to increase collaboration and communication for all geographies, roles, programming languages and development platforms
- ✓ Improve governance with project management and reporting that spans all platforms
- ✓ Automate testing

Change and release management and Quality Tools

- ✓ Significantly less effort to synchronize IBM i and distributed teams
 - **Rational Team Concert for i**
- ✓ Reduce time and guarantee repeatability with automated testing, including 5250
 - **Rational Functional Tester**
- ✓ Create test scripts from requirements and document results for any type of testing
 - **Rational Manual Tester**
- ✓ Ensure scalability of applications which expose assets in new ways
 - **Rational Performance Tester**
- ✓ Identify vulnerabilities, privacy issues, quality exposures and standards non-compliance
 - **Rational AppScan**

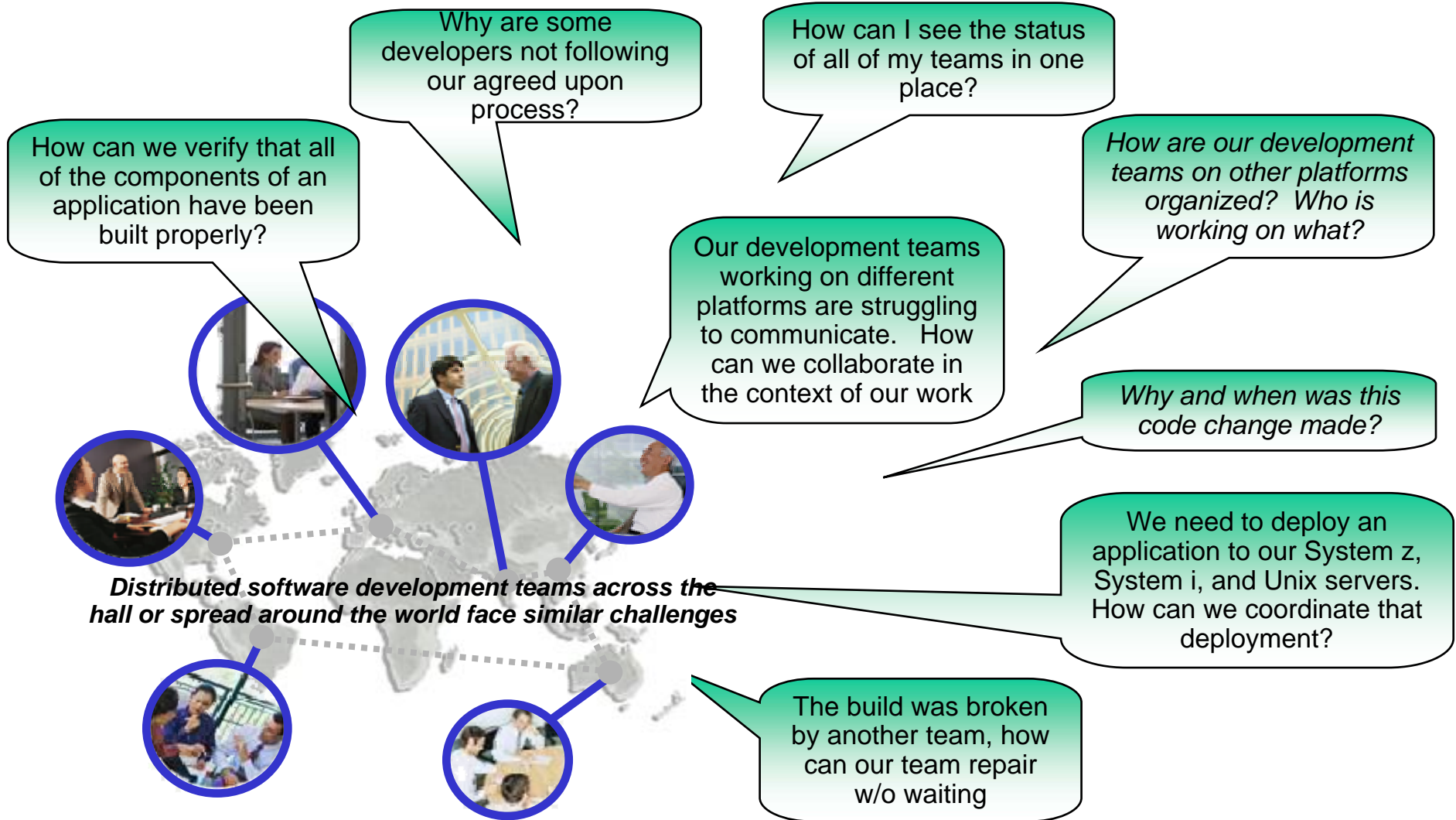


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Collaboration Challenges with Development teams



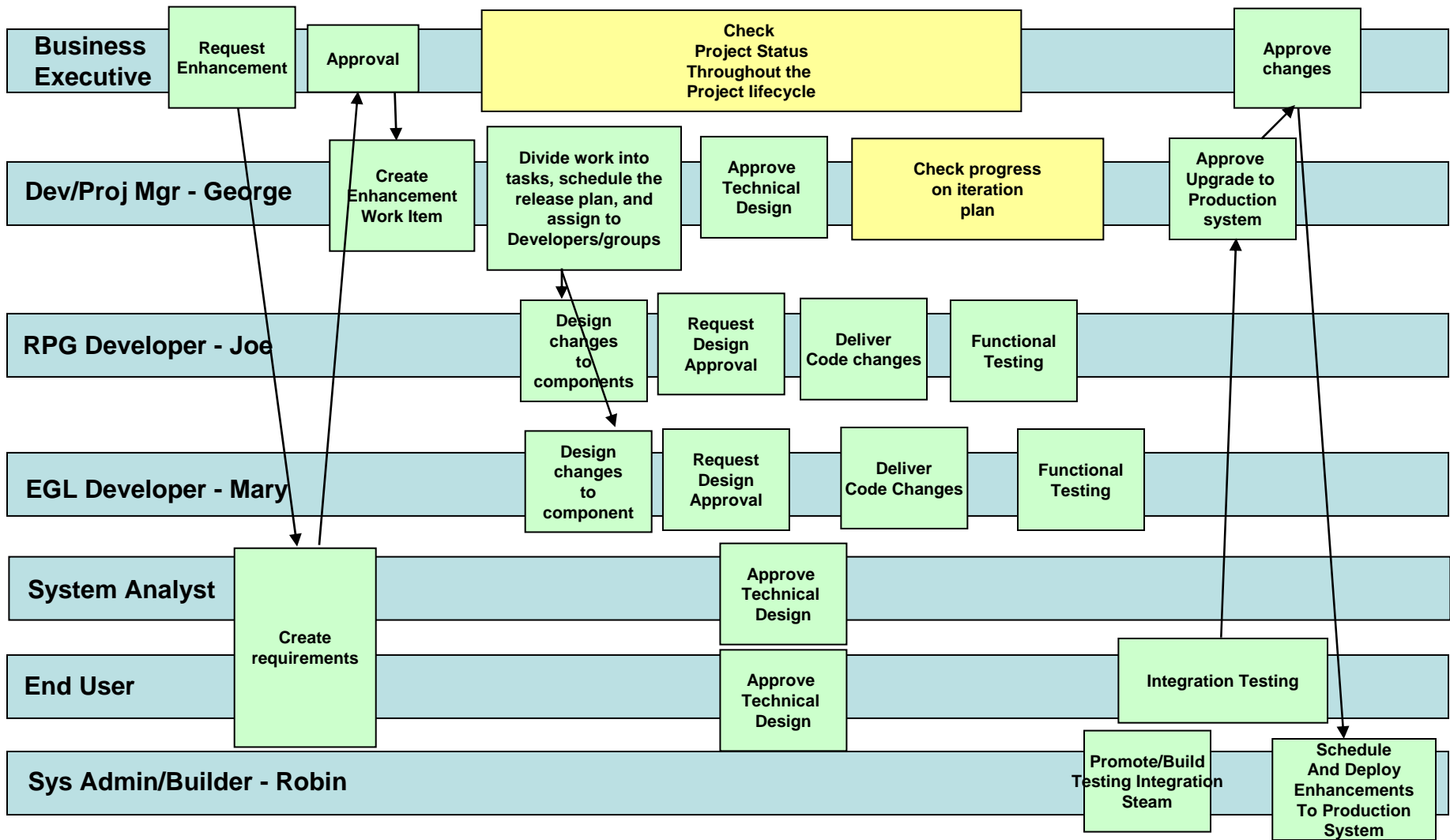
Customer Needs/Pain Points

- **Governance**
 - ▶ to address regulatory compliance issues, adopt better IT Governance approaches
- **Process**
 - ▶ reduce the costs of maintaining infrastructure
 - ▶ Unified process across different platforms, teams
 - ▶ Best practice processes and configurable process
- **Cross platform & Composite Application Support**
 - ▶ to bridge the process islands across platforms and technologies to effective develop and deploy cross platform applications
- **Diverse disconnected tools**
 - ▶ to exploit modernization strategies including new languages, tools, and paradigms
 - ▶ Single Eclipse based IDE



A sample lifecycle: How do we collaborate?

Sample scenario - Business Executive sends a request to the IT department, which involves a change to a **composite application** with **business Logic change with RPG components** and **web presentation change with EGL components**



What if your tools know...

- ... about **your teams**
- ... about **your all of your artifacts, i.e. RPG, EGL, change requests, test plans**
- ... **who** is responsible for **what**
- ... rules under which circumstances **code** can be **delivered**
 - Code quality, traceability, test runs, intellectual property
- ... how to **setup a new project**
- ... **how to** help new team members get **started**
- ... your development processes, your favorite **work item types** and their **state transitions**
- ... when the **build** runs and what to do if it **breaks**



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The Jazz project: Transforming how people work together

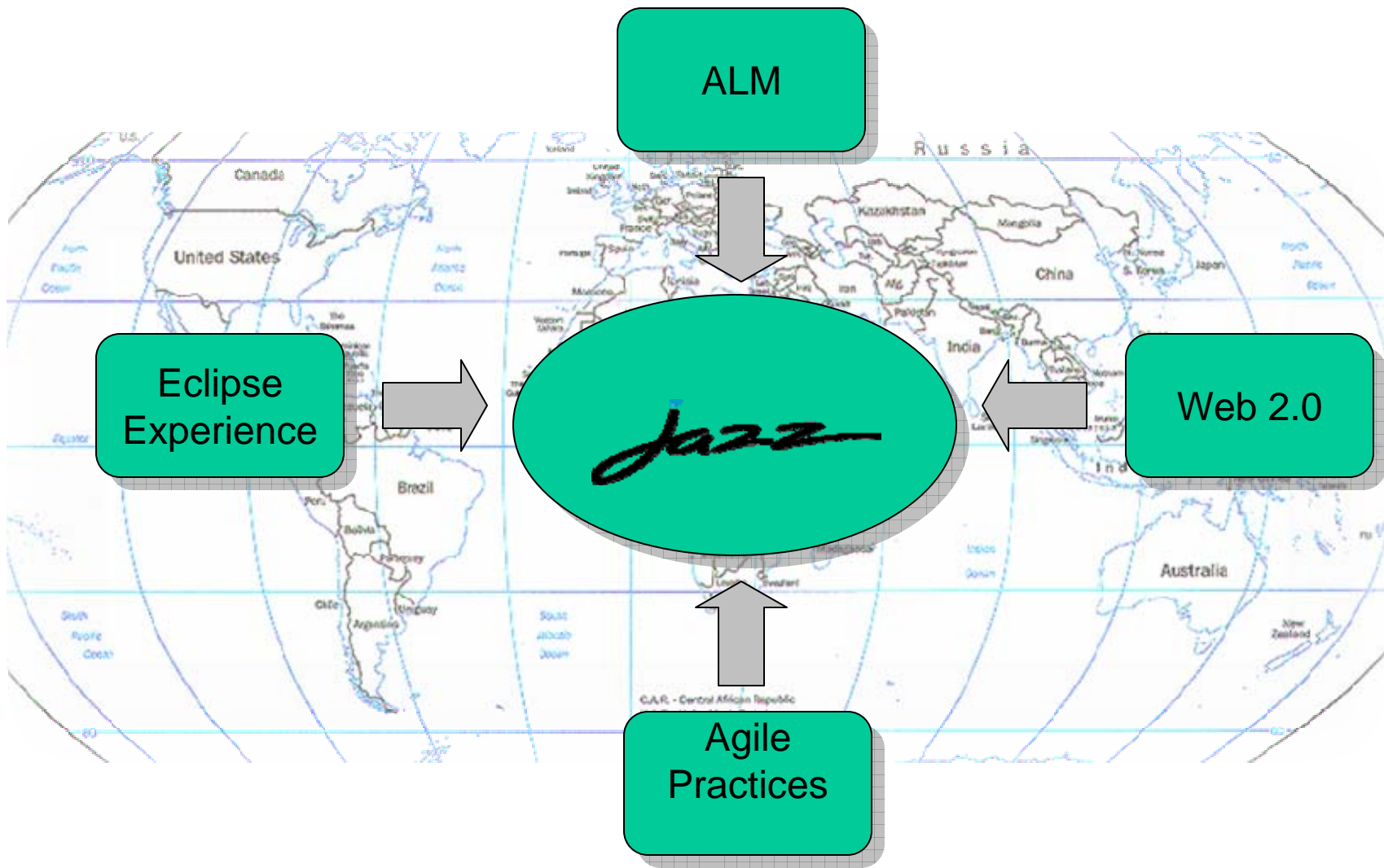


Jazz is a project and platform for *transforming how people work together* to deliver greater value and performance from their software investments

- A major investment by IBM to create a scalable, extensible team collaboration platform
- IBM's vision of the future of software delivery
 - globally distributed, fluid and dynamic
- An evolution of the Rational portfolio, which will evolve to support Jazz technology over time
- A community at Jazz.net
 - where you can see Jazz-based products being built



Jazz: Technology Innovation for the Rational Software Delivery Platform



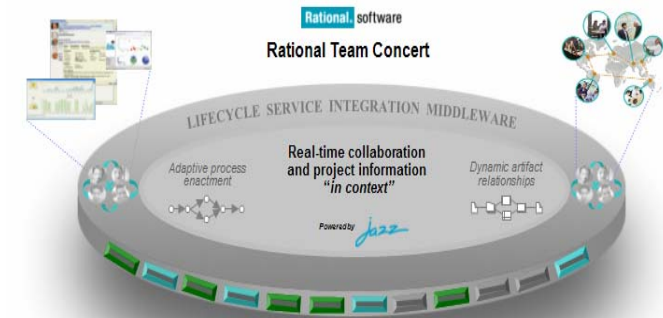
What is IBM Rational Team Concert?

A New Family of Products based on *jazz* Technology

- ▶ Optimized for small to midsized development teams
- ▶ Integrates the entire team around an integration server
- ▶ Includes Enhanced Eclipse Development environment

Primary Features

- ▶ In-place collaboration among team members
- ▶ Support and enforcement for development processes
- ▶ Transparency of status and trends through automated data-gathering and reporting (Project health status)



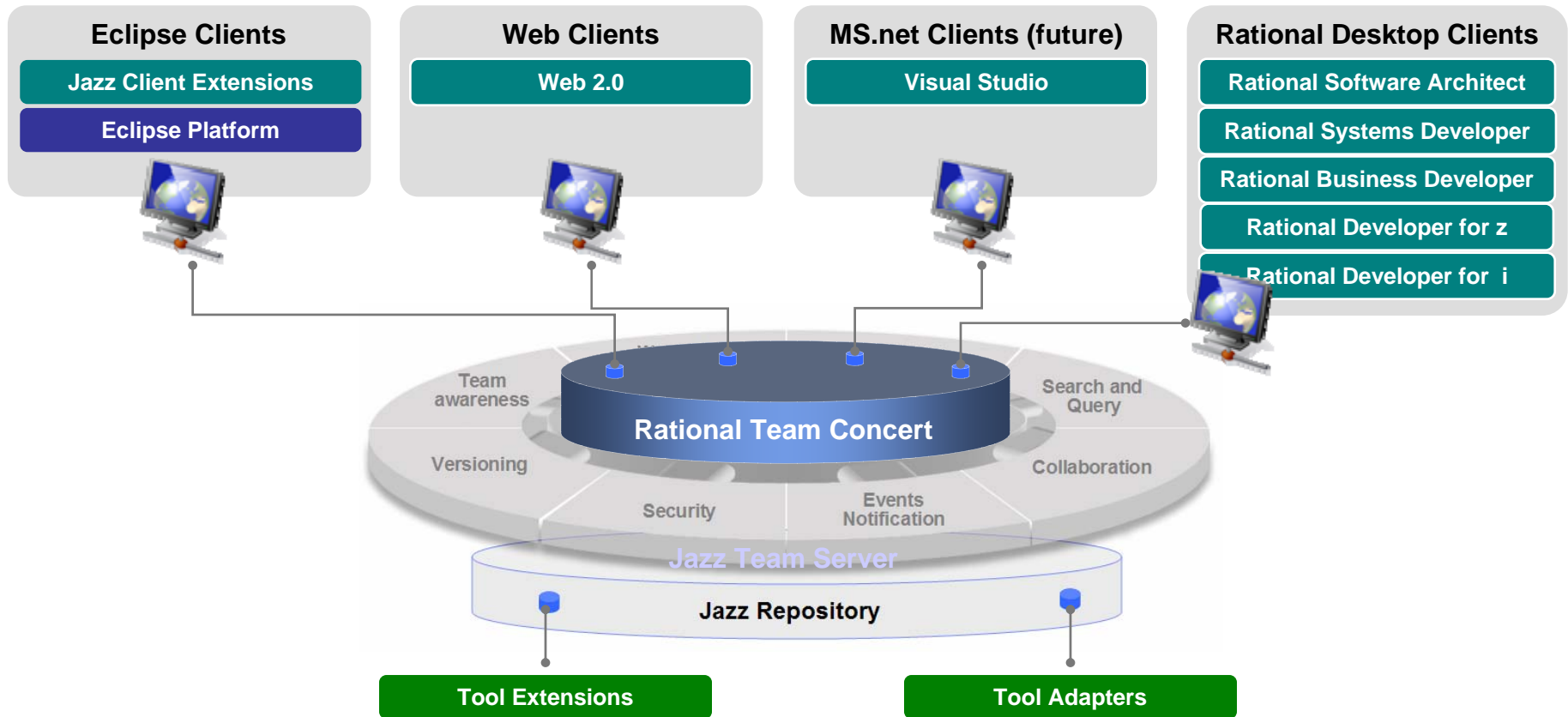
Motivation

- ▶ Enable flexible, agile application lifecycle management
- ▶ Low administrative footprint optimized for agile teams
- ▶ Adds value for existing **ClearCase** and **ClearQuest** customers
- ▶ Step one in the rollout of "lifecycle service integration" middleware in the Rational Software Delivery Platform

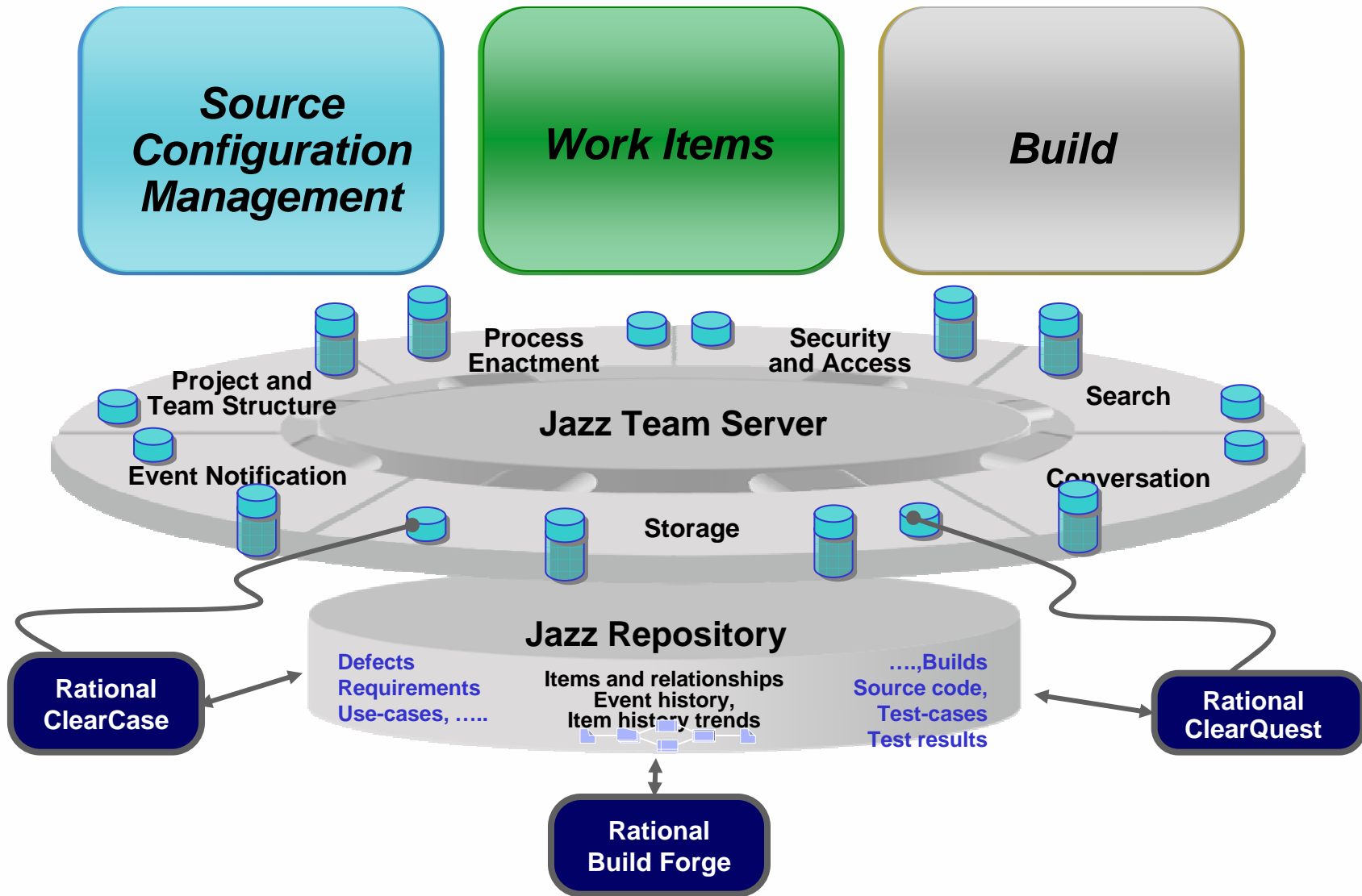


The Jazz Platform: An open, extensible architecture

Supporting a broad range of desktop clients



Jazz as Product Integration Platform



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Rational Team Concert for IBM i

- RTCi extends the capabilities of RTC:
 - ▶ Jazz Team Server which runs natively on the IBM i OS & uses DB2 for i as the repository
 - ▶ Integration with RDi to enable team capabilities for native IBM i application developers writing code in RPG, COBOL, CL, DDS, etc.
 - ▶ Build toolkit which runs natively on the IBM i OS
Run IBM i commands and call native programs
 - ▶ Supports both the Native file system QSYS and the integrated file system IFS



Rational Team Concert for IBM i

- You can use RTCi to:
 - ▶ Deploy predefined processes with iterations, user roles, and permissions set up.
 - ▶ Customize processes to setup rules (for example, do not allow anyone to check in Java source that has compile errors), user roles and work item types for your organization. RTCi is very flexible!
 - ▶ Create plans for project release and any iterations (milestones) within the release timeframe
 - ▶ Create graphical charts to display project health for example, how many defects closed vs. open

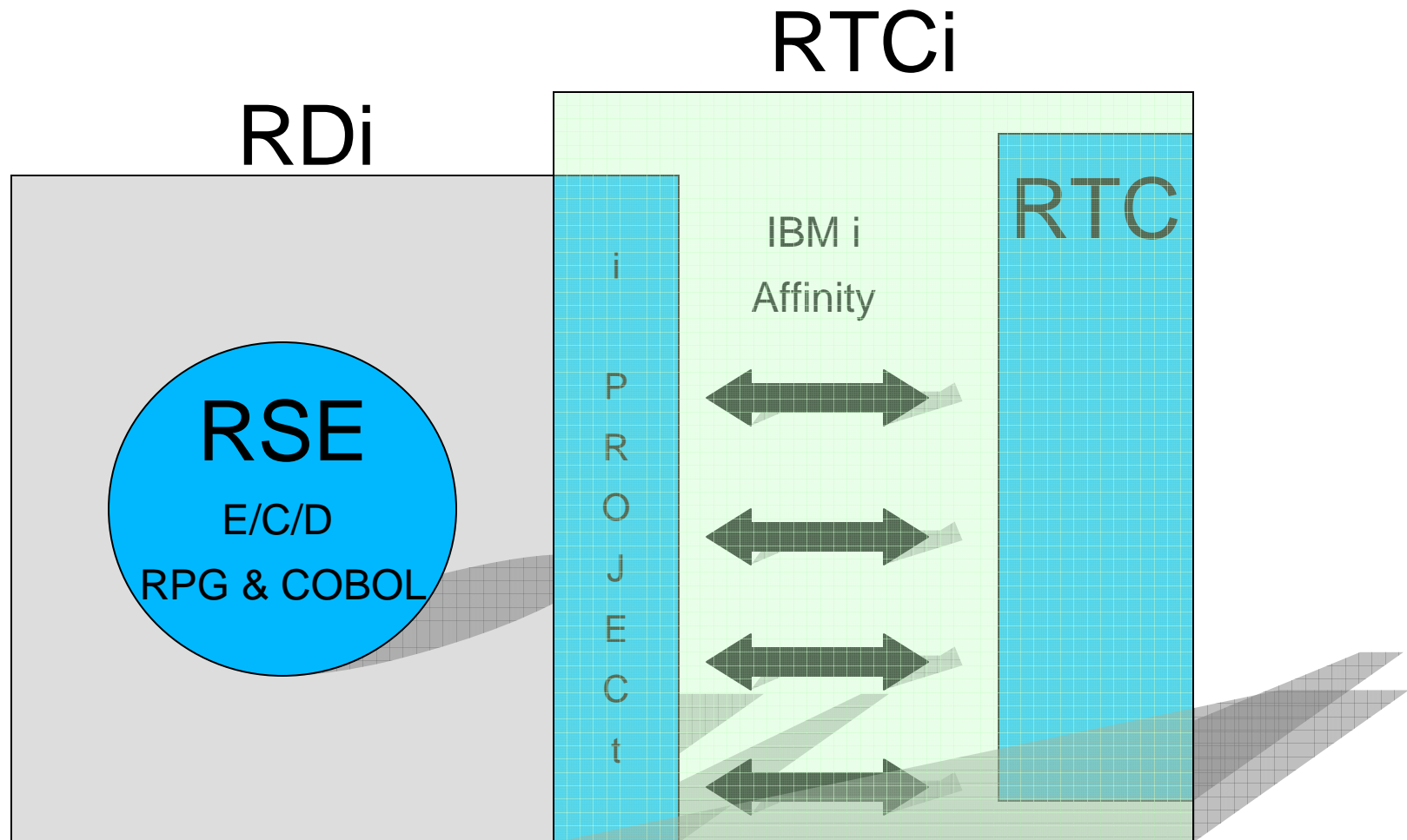


Rational Team Concert for IBM i

- You can use RTCi to:
 - ▶ Put your application code written in RPG, COBOL, Java, EGL under source control.
 - ▶ Track changes to your source through work items (tasks, defects, etc.)
 - ▶ Look at an audit trail for a particular artifact
who made what changes? when were the changes made?
why were the changes made?
 - ▶ Compile your application artifacts including RPG, COBOL, DDS, CL and Java source, on demand or at scheduled times



Rational Team Concert for IBM i



RDi + RTCi (RTC Client will ship as an optional install with RDi)

Install Packages
Select the features you want to install.

Install Licenses Location **Features** Summary

Features

- IBM® Rational® Developer for i 7.5
 - Remote System Explorer and IBM i Projects
 - Team integrations
 - Rational Team Concert for i - Client**

Show Dependencies - Required by features you selected Expand All Collapse All Restore Default

Details

Rational Team Concert for i - Client

The Rational Team Concert for i - Client contains everything you need to connect to the Rational Team Concert Server from your workstation and interact with your team.

Disk Space Information

	Volume	Required	Temporary	Total	Available
Shared Resources Area	d:	0.0 KB	0.0 KB	0.0 KB	5.42 GB
Installation Directory	C:	149.99 MB		149.99 MB	9.51 GB

? < Back Next > Install Cancel

Existing RTC components on PPA

IBM Rational Team Concert (Express Edition)	IBM Rational Team Concert (Standard Edition)
Contributor Client License	Contributor Client License
Express Edition Developer Client Access License	Standard Edition Developer Client Access License
Express Edition Server 1.0	Standard Edition Server 1.0



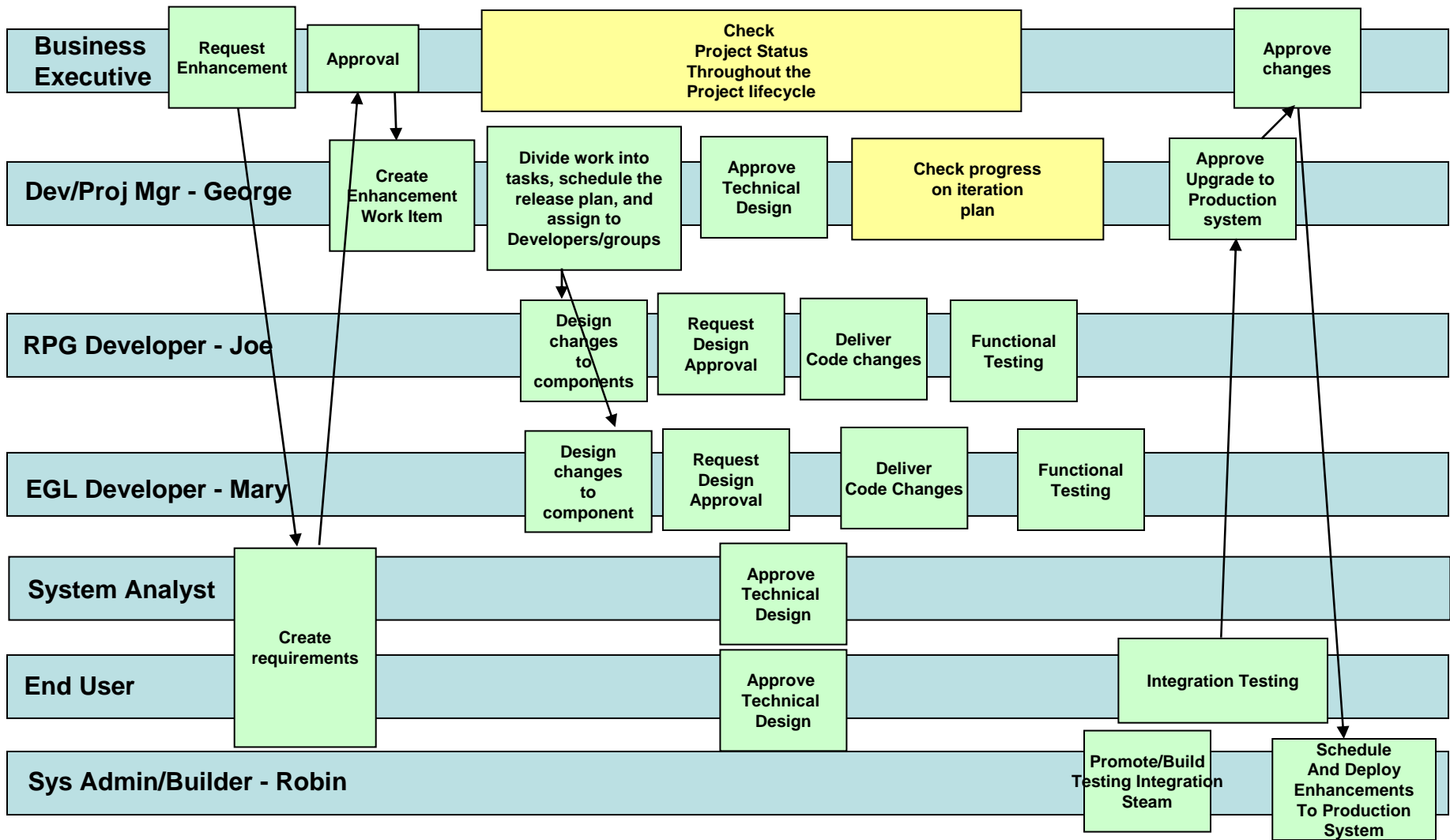
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A sample lifecycle: How do we collaborate?

Sample scenario - Business Executive sends a request to the IT department, which involves a change to a **composite application** with **business Logic change with RPG components** and **web presentation change with EGL components**



Demo Scenario – Executive Submits a New Requirement

1. Business executive submits a Story Work Item about a potential new requirement via RTC web interface – Project Dash Board.

2. Fill in the description of the idea and pick the product group/team that the Work Item is filed against.

3. Select Link tab to attach any files (screen capture, article and etc), also add user names who will be notified about this new requirement Work Item.

4. Assign to the system Analyst.

5. System Analyst is notified by RTC and via Email.

System analyst works with end User and other stake holders.

All stake holders add their comments into this Work Item.



Demo Scenario – Executive Approves the New Enhancement

An agreement is reached.

System Analyst clearly **defines the requirements** - estimated cost, scope, and impact of existing products.

System Analyst requests the approval from Executive.

Summary: * It will be cool if we can add an "internal address" field to our CRM system Defined

Overview Links Approvals History

Details

Type: Story Tags:

Story Points: 1 pt

Progress: Progress: 0 / 0 h Estimated: -

Owned By: GEORGE Demo Lead

Creation Date: Oct 13, 2008 8:45 AM Priority: Medium

Created By: Eric Shen Planned For: M1

Project Area: Mailing List 2

Team Area: Mailing List 2 Team

Filed Against: * Mailing List 2

Description Edit

Since we have some internal customer, it is helpful to add an "internal address" field to our CRM system.

Discussion Hide Comment

No Comments.

This feature is helpful. It requires code change of both EGL and RPG, approximately 40 hours development effort on both EGL and RPG component. I suggest we should schedule this into new release. - System Analyst.

2. Executive approves the new requirement.

3. System Analyst assigns the Work Item to the Development/Project Manager to work on.



Rational Team Concert

Project Areas Dashboards Work Items Iteration Plans Source Control Reports

45

Enhancement 43

Summary: * Implement Internal Address feature for CRM project

Overview Links Approvals History

Approvals (1) - 1 pending

New: Approval

Type	Name	State
Approval	M1_Approval	Pending
	Eric Shen	Pending
	GEORGE Demo Lead	Pending
Add Approvers...		

Recently Viewed

- Task 42
- Enhancement 43
- Task 45

My Queries

- Last Report Query

Shared Queries

- Predefined
- Closed created by me
- Closed subscribed by me
- New unassigned
- Open assigned to me
- Open assigned to me (current milestone)
- Open created by me
- Open subscribed by me



Demo Scenario – Development/Product Manager Creates an Enhancement

The Story develops into a defined Enhancement.

1. Development/Project Manager creates an Enhancement Work Item to implement the newly defined feature.

2. In the Link Tab, add the story Work Item as the parent of this new Work Item.

3. In the Approvals Tab, add executive, end user, system Admin, and etc to the approvers and reviewers list.

The screenshot displays the Rational Team Concert interface. The main window shows the details of an Enhancement work item titled "Enhancement <14:03:43> *". The summary is "Implement Internal Address feature for CRM project". The interface includes tabs for Overview, Links, Approvals, and History. The Details section shows the following information:

- Type: Enhancement
- Severity: Normal
- Found In: Unassigned
- Creation Date: Now
- Created By: Eric Shen
- Project Area: Mailing List 2
- Team Area: Mailing List 2 Team
- Filed Against: Mailing List 2
- Tags: (empty)
- Owned By: GEORGE Demo Lead
- Priority: Medium
- Planned For: M1
- Estimate: (empty)
- Time Spent: (empty)
- Due Date: (empty)

The Description section is currently empty, with a "Preview" button visible on the right.



Demo Scenario – Development/Product Manager Analyzes the Work

A defined Enhancement is divided into multiple tasks

1. Development/Project Manager creates two new tasks. One is against RPG component, the other is against EGL component. Assign each to the appropriate developer and set the release plan.

2. Set the Parent Work Item for both new Tasks. This shows the overall hierarchy of these Work Items.

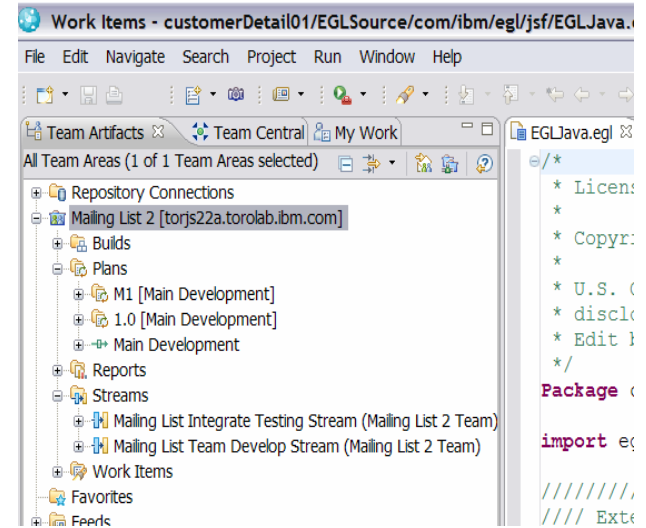
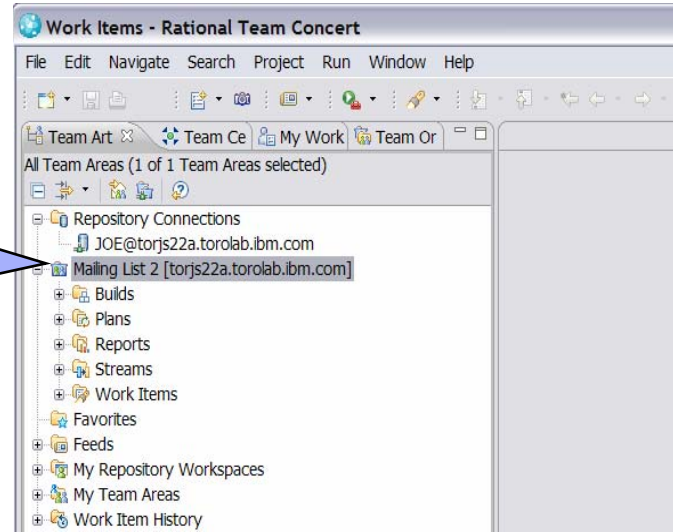
The screenshot shows the 'Rational Team Concert' interface. The main window displays 'Enhancement 43' with the summary 'Implement Internal Address feature for CRM project'. Under the 'Links' section, there is a 'Children' list containing two tasks: 'Task 42: RPG component - Add "internal address" feature' and 'Task 45: EGL Component - Add Internal Address feature'. A red circle highlights the 'Add: Related' dropdown menu, which is currently set to 'Children'.

The screenshot shows the 'Work Items - Iteration plan 1.0 Milestone 1 - M1 - Rational Team Concert' interface. The left sidebar shows a tree view of the project structure, including '1.0 Milestone 1 [M1]'. The main window displays a list of work items under the '1.0 Milestone 1' iteration. The 'Defects & Enhancements' section shows a list of items, including 'Implement adding internal address for the CRM product' with a 'Medium' priority.

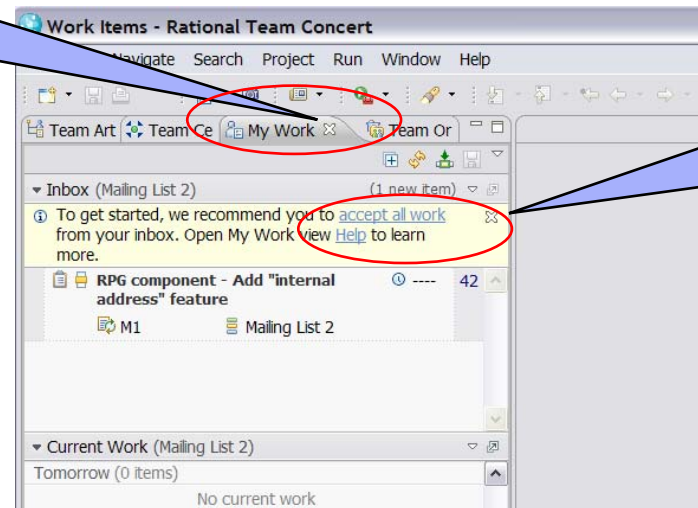


Demo Scenario – Developer Joe and Mary Accept the New Assignment

1. Dev Joe and Mary are notified by email and log into RTC project area via RTCi and RDi integrated client.



2. Select MyWork Tab to check his/her new work assignment.



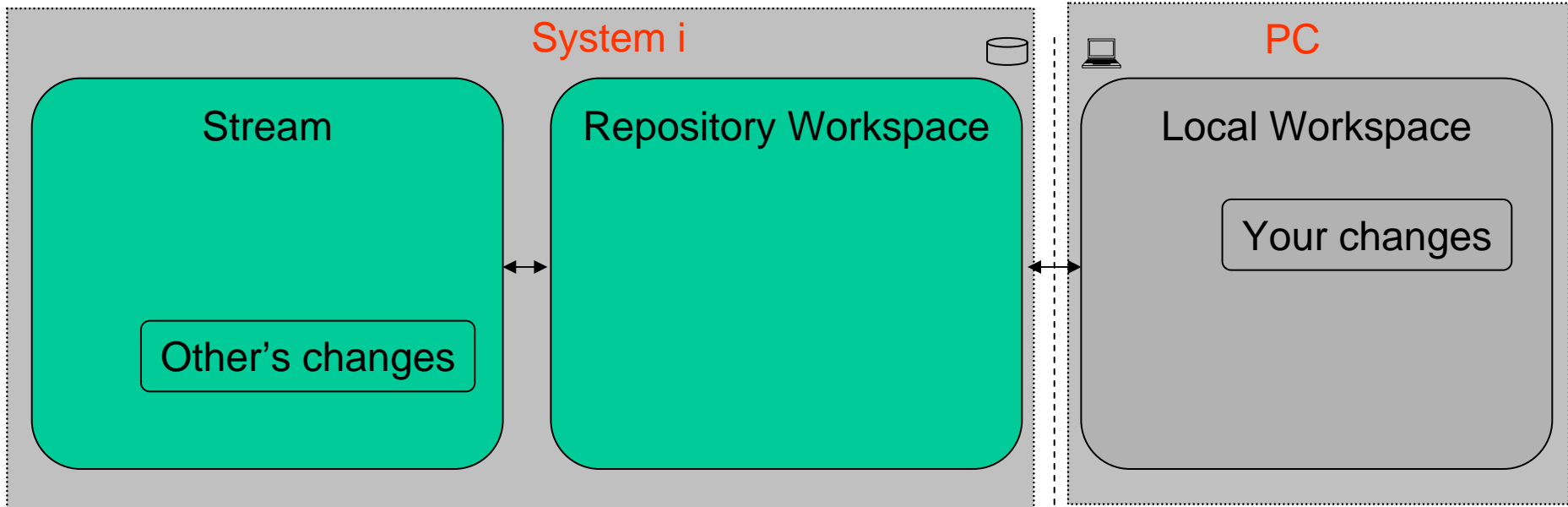
3. Dev Joe accepts all works newly assigned to him. Then Joe opens the Work Item and set the Work Item status to Start Working

3. Dev Mary accepts all works that newly assigned to her. Then Mary opens the Work Item and set the Work Item status to Start Working





Basic Software Configuration Management (SCM) Anatomy

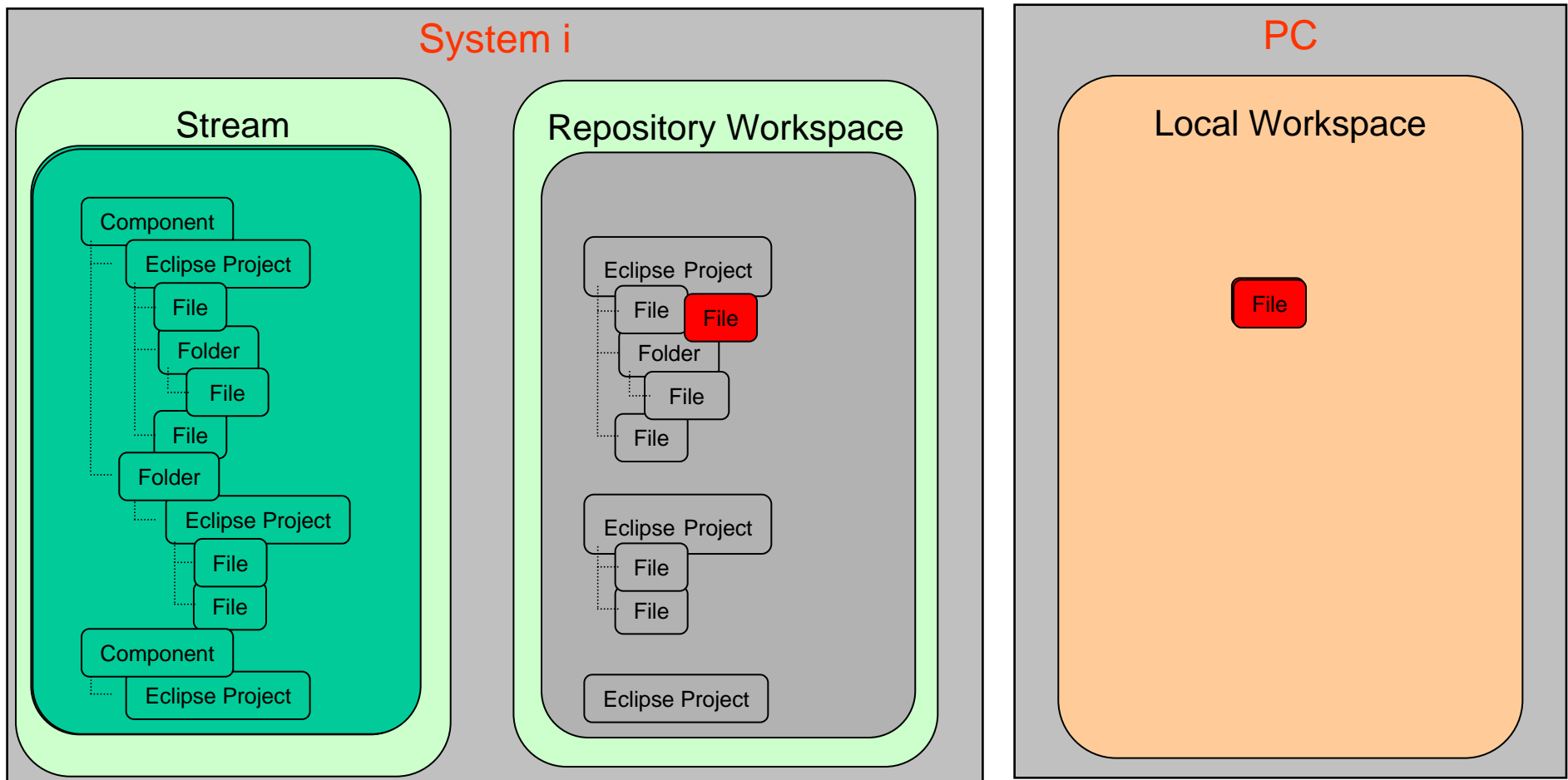


- Streams are for sharing resources. For example, a Team Development Stream contains all product assets that a team is actively working on.
- A repository workspace is your personal space saved in the repository. It is for developer to save intermediate work. It is not visible to other team members until you deliver into stream.
- Local workspaces are where you edit resources.
- Changes flow back and forth.



Set up/load Local Workspace & Check-in and Deliver from Local Workspace

- Create Repository Work Space
- Load into Local Workspace
- Developer Edit the File
- Check-in the new file to Repository Workspace
- Deliver to the Steam to share with other developers



Demo Scenario – Developer Joe Works on the RDi Project

2. Dev Joe works on the project.

- Make the code change
- Compile and test the code with RDi.

1. Dev Joe opens iProject perspective

The screenshot displays the IBM Rational Team Concert IDE interface. The main window shows a project workspace on the left with a tree view containing folders like 'BUILD', 'QCLSRC', 'QDDSSRC', 'QRPGLSRC', and 'QSRVSR'. The central editor displays a COBOL program named 'MLGRPTR.RPGLE' with the following code:

```

000200 F* MLGRPTR - Mailing list report format
000300 FMGMSTP IF E K DISK
000400 FQPRINT O F 132 PRINTER OFLIND(*INOF)
000500 C* Initialize and print heading
000600 C          TIME          TIME          6 0
000700 C          EXCEPT HEADNG
000800 C* Read an account record and print
000900 C          READ          TAG          MLGMSTR          20
001000 C          20          GOTO ENDPGM
001100 C          ADD          1          COUNT          7 0
001200 C          EXCEPT DETAIL
001300 C          OF          EXCEPT HEADNG
001400 C          GOTO          READ
001500 C* End of program routine
001600 C          ENDPGM          TAG          LR
001700 C          EXCEPT TOTAL
001800 C          SETON
001900 C          RETURN
002000 OQPRINT E          HEADNG          2 06
002100 O          UPDATE          Y          10
    
```

At the bottom of the IDE, a 'Work Items' panel shows a 'component change' for the 'Mailing List 2 Team Stream Workspace'. A 'Command' dialog box is open, displaying the following text:

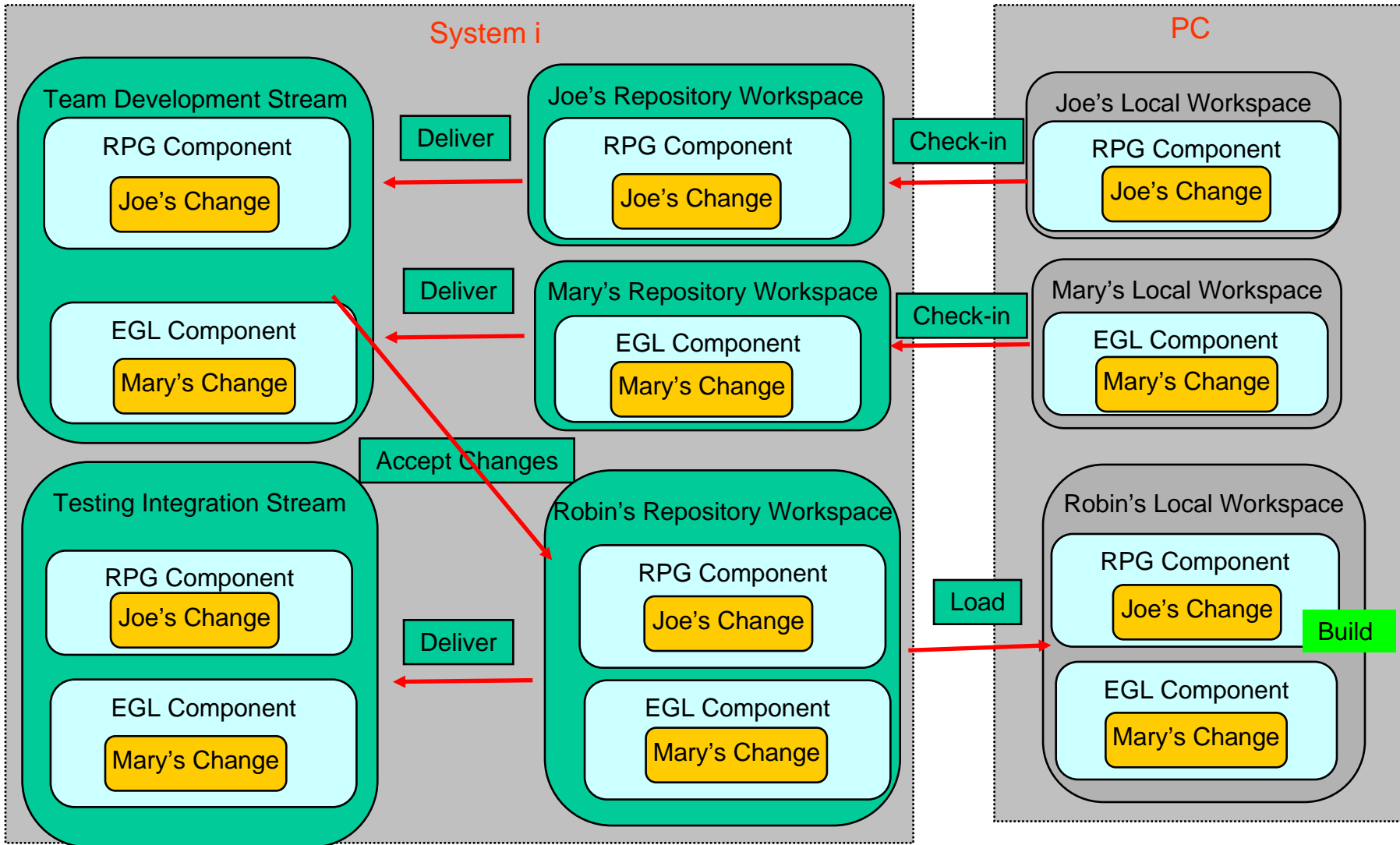
```

command was used, MLGLIST was
added to the user library list. If the
CHGSYSLIBL command was used,
MLGLIST was added to the system
portion of the library list.
    
```

A green arrow points to the bottom left corner of the IDE window.

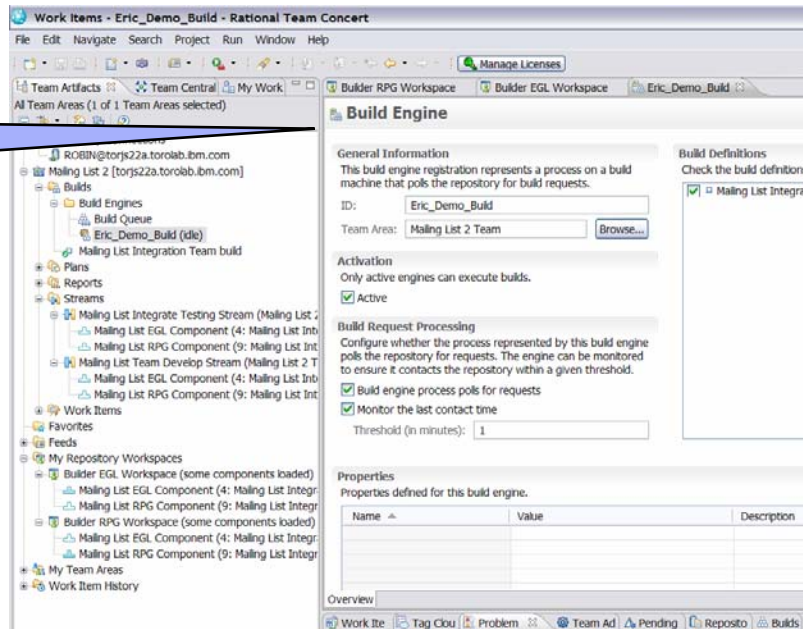


Builder Promotes Change from Team Dev Steam to Testing Integration Stream

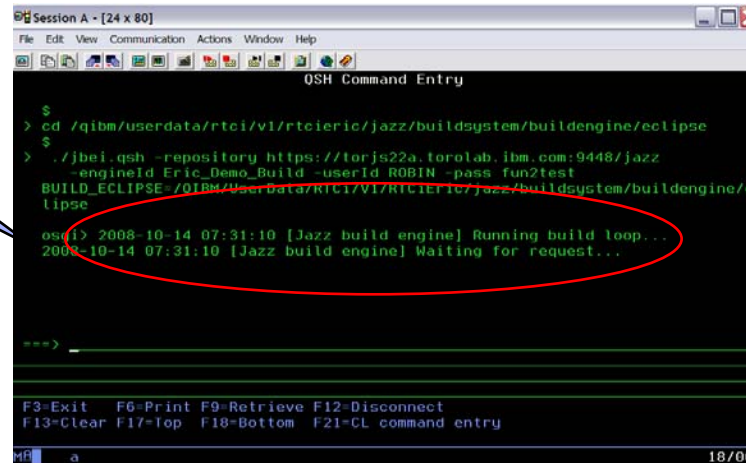


Demo Scenario – Builder Robin Sets up the Build Environment

1. Builder Robin defines a Build Engine.

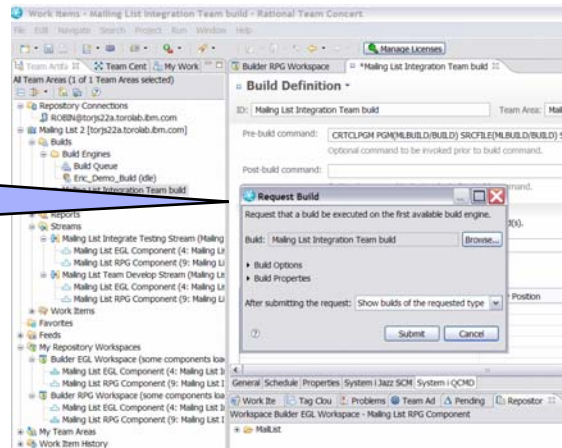


2. Build Robin starts the Build Engine from IBM i system.

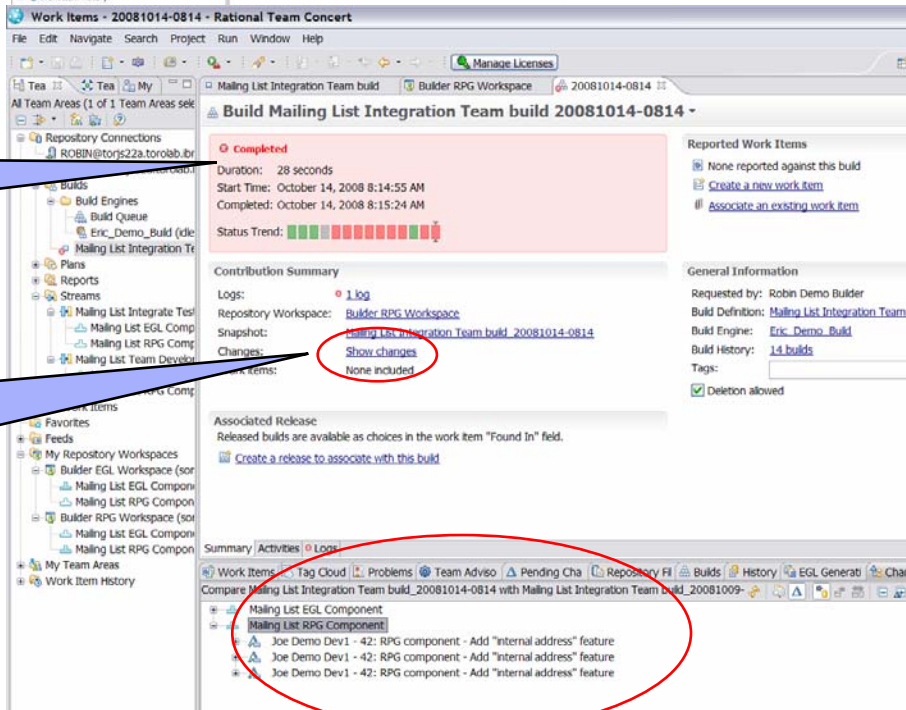


Demo Scenario – Builder Robin Launches the Build

1. Builder Robin submits the Build Request.



2. Builder Robin checks the Build Result. In this case, the integrated build failed.



3. Builder Robin finds out that Joe's change breaks the build by opening the Change Sets link in build log.



Demo Scenario – Builder Robin Analyzes the Build Log

Team is notified of integration build failure.
Joe is notified of the newly assigned blocking defect.

2. Joe starts working on the blocking defect and fixes the error in his Local Workspace, then checks-in and delivers into the Team Dev Steam.

3. Builder Robin accepts the Joe's change. Then launch a new build. The build succeeds.

The screenshot displays the IBM Rational Team Concert interface. The main window shows a defect titled "Defect 47" with a summary of "Problem with build 20081014-0814". The defect details include:

- Type: Defect
- Severity: Normal
- Found In: Unassigned
- Created: Oct 14, 2008 9:13 AM
- Created By: Robin Demo Builder
- Team Area: Mailing List 2 Team / Mailing List 2
- Filed Against: Mailing List 2
- Owned By: Joe Demo Dev1
- Priority: High
- Planned For: -> M1

The description of the defect is circled in red and reads: "Joe, you change for [WorkItem 42](#) breaks the build."

At the bottom of the interface, the build log shows a list of components and their status. The "Incoming" status for "Joe Demo Dev1 47: Problem with build 20081014-0814" is circled in red.



Additional Features



Demo Scenario – Executive Checks Work Item Status via Dash Board

Executive checks the progress of this Enhancement anytime during the development process by checking the history of Work Item via Dash Board.

RTCi saves the Recently Viewed record on the server. This helps Executive check only Work Items he/she is interested in.

Executive can also find other related Work Items via Links Tab.

Personal reports can be created for Executive's convenience.

Personal queries can be created for Executive's convenience.



Demo Scenario – Executive/Project Manager Checks Project Status via Project Dash Board

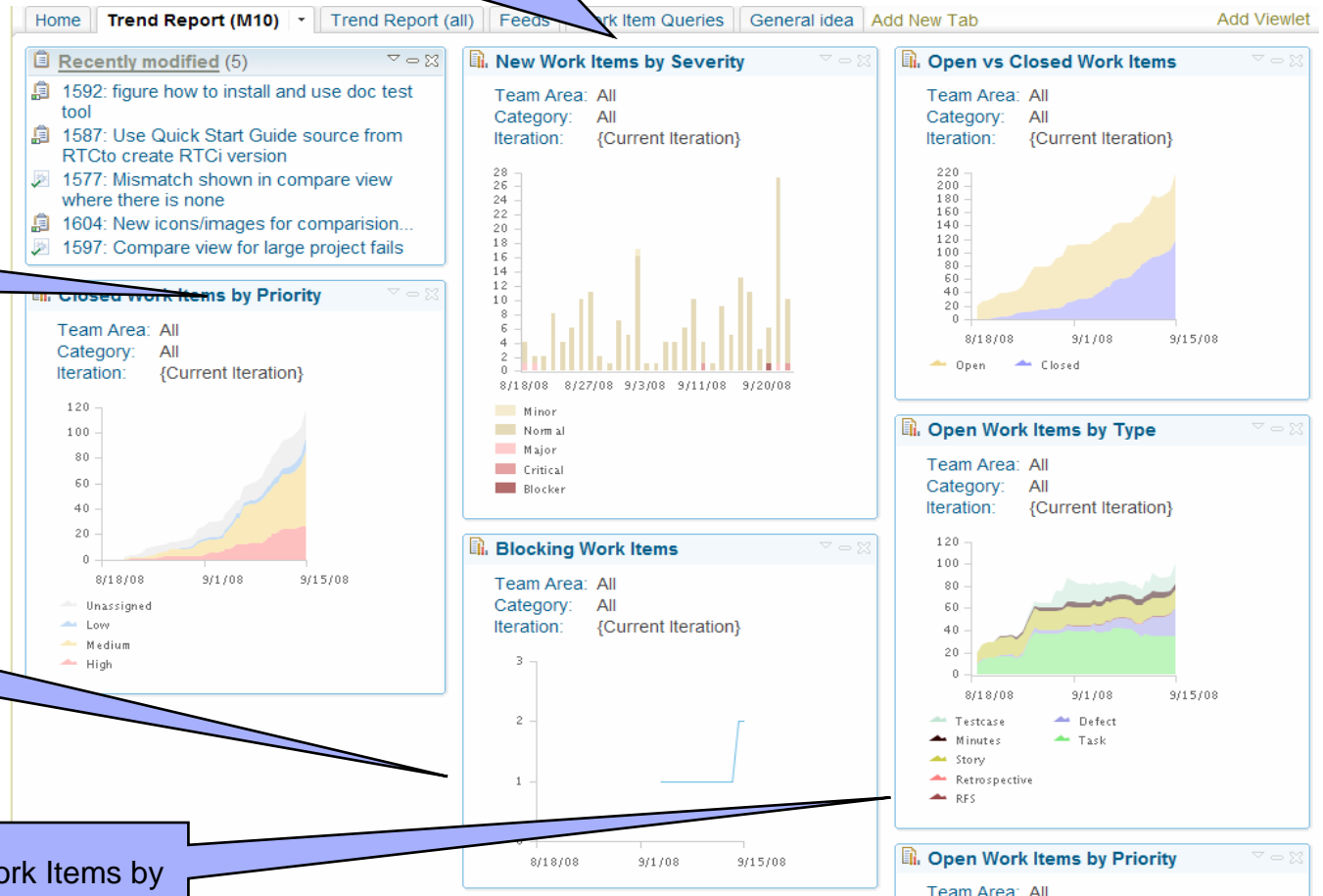
Notice: Project Dash Board is highly configurable for every project.

New Work Items by Severity

Closed Work Items by Priority

Blocking Work Items

Open Work Items by Type



Demo Scenario – High Traceability of RTC

All related Work Items are linked, from Story to Enhancement, from Enhancement to Tasks.

Each Task includes a complete list of Change Sets.
 Each Change Set includes the detail information for **Auditing** and other purposes. The time, the person makes the change, and what are changes are all recorded.

Enhancement 43
 Summary:* Implement Internal Address feature for CRM project

Attachments

Id	Name	Created	Created by	Size	Ty
[Empty table]					

Subscriber

Links

- Children**
 - 45: EGL-Component - Add Internal Address feature
 - 42: RPG-component - Add "internal address" feature-
- Parent**
 - 40: It will be cool if we can can add an "internal address" field to our CRM system

Task 42
 Summary:* RPG component - Add "internal address" feature

Attachments

Id	Name	Created	Created by	Size	Ty
[Empty table]					

Links

- Change Sets**
 - Changes in Mailing List RPG Component - Joe Demo Dev1 10/13/08 6:28 PM
 - Changes in Mailing List RPG Component - Joe Demo Dev1 10/14/08 6:14 AM
 - Changes in Mailing List RPG Component - Joe Demo Dev1 10/14/08 6:17 AM
- Mentioned By**
 - 47: Problem with build 20081014-0814
- Parent**
 - 43: Implement Internal Address feature for CRM project

Overview | Links | Approvals | History

Work It | Problem | Team | Builds | Search | Process | Pending | Change

<No Comment>

<unresolved>
 MLGMTNC.CLP



Demo Scenario – High Traceability of RTC (Continue)

Work Item includes the complete history of the Task.

For each Change Set, you can open the line by line file comparison.

The screenshot displays the IBM Rational software interface. At the top, there are tabs for '42: RPG component -', '43: Implement Intern', '40: It will be cool', and 'MLGMTNC.CLP'. Below the tabs, the 'Task 42' summary is shown: 'Summary:* RPG component - Add "internal address" feature'. A 'History' section includes a calendar view and a list of items. The first item, 'Joe Demo Dev1 Oct 13, 2008', is expanded to show a table of status and resolution changes:

Status	In Progress	→	Resolved
Resolution	Unresolved	→	Fixed
Approvals	added: Review "Code Review"		
Resolved By	Unassigned	→	Joe Demo Dev1

Below this, another item 'Joe Demo Dev1 Oct 13, 2008' shows a status change from 'New' to 'In Progress'. A third item 'Joe Demo Dev1 Oct 13, 2008' has a description: 'Need to implement add internal address to Business Logic component.'. A fourth item 'Eric Shen Oct 13, 2008' shows ownership change from 'GEORGE Demo Lead' to 'Joe Demo Dev1'. At the bottom, an 'Overview Links Approvals History' tab is active, showing a 'Text Compare' window. This window compares 'MLGMTNC.CLP (after) (read-only)' and 'MLGMTNC.CLP (before) (read-only)'. The comparison shows line-by-line differences between the two versions of the file, with line 1013 highlighted in the 'after' version.



Customer Needs/Pain Points

- **Governance**
 - ▶ to address regulatory compliance issues, adopt better IT Governance approaches
- **Process**
 - ▶ reduce the costs of maintaining infrastructure
 - ▶ Unified process across different platforms, teams
 - ▶ Best practice processes and configurable process
- **Cross platform & Composite Application Support**
 - ▶ to bridge the process islands across platforms and technologies to effective develop and deploy cross platform applications
- **Diverse disconnected tools**
 - ▶ to exploit modernization strategies including new languages, tools, and paradigms
 - ▶ Single Eclipse based IDE



Summary

- Jazz is a vision and technology platform
- Rational Team Concert is first product based on Jazz
- Rational Team Concert for IBM i extends RTC to support developers on the IBM i OS
- Leveraging Open Commercial Development
- Go to jazz.net and download Rational Team Concert and give us feedback

MOST IMPORTANTLY: Enjoy working with RTCi!



THANK
YOU



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