

IBM Software Group

IBM Plataforma Rational Jazz

1 Octubre 2009

Rational. software



@business on demand software

Agenda

- **10.00 – 10.45 - *Introducción estrategia y oferta Jazz.***
- **10.45 – 11.15 - *Demostración de plataforma Jazz.***

Café

- **11.45 – 12.30 - *Mejores prácticas en la implantación de Jazz.***
- **12.30 – 1.15 - *Experiencia de La Caixa en adopción de Jazz.***
- **1.15 – *Preguntas***

Cocktail



¿Qué escuchamos en el mercado en España?

1. **Reducción de costes de desarrollo** es la prioridad número 1.
2. Adopción de modelos offshore o nearshore – **Factorías de Software.**
3. Interés en **mejora de procesos de desarrollo** y adopción de **metodologías ágiles.**
4. Simplificación y **reducción de costes de integración** de herramientas.



¿Qué es Jazz?

Jazz es :

1. La iniciativa de IBM Rational de cara a promover integración de las distintas tareas realizadas en el ciclo de vida del desarrollo
2. La tecnología que la soporta proporcionando un middleware de integración para ello.

Innovación

IBM ha realizado una gran inversión en la creación de esta plataforma de colaboración escalable para equipos de desarrollo.

Evolución

Muchos productos de Rational evolucionarán para soportar la plataforma Jazz, proporcionando capacidades de última generación para el desarrollo de software.

Comunidad

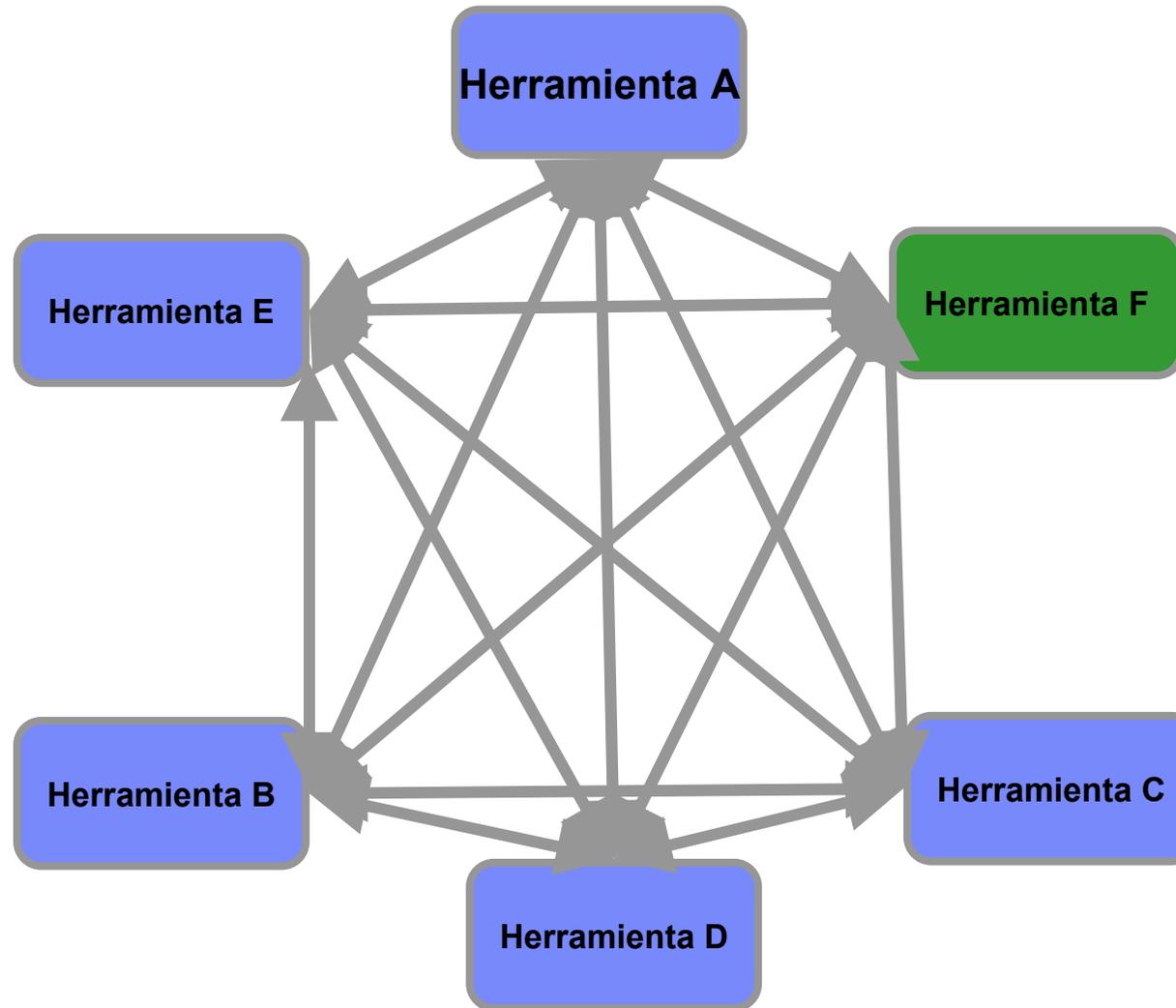
Jazz.net – Un portal abierto para el desarrollo de terceros sobre la plataforma Jazz.

Visión

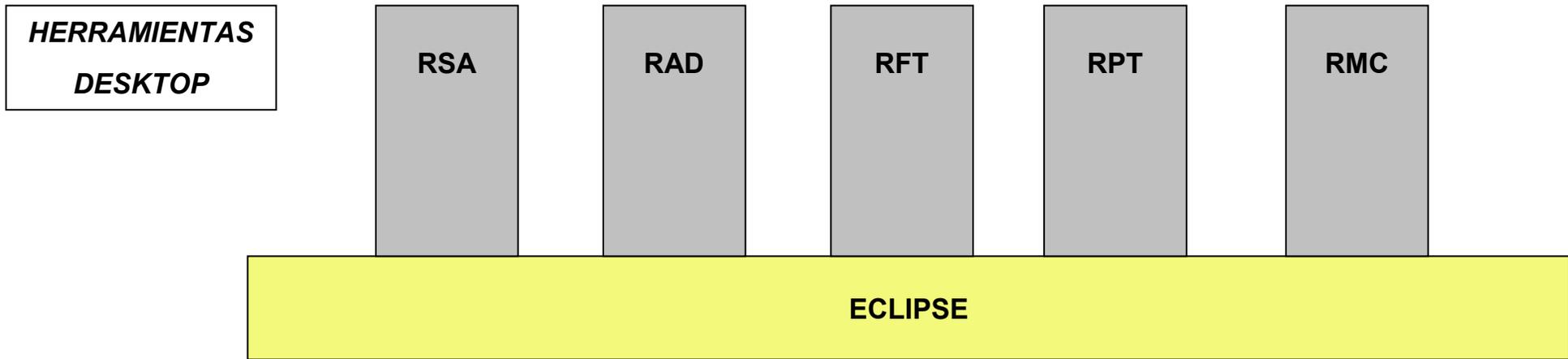
La visión de IBM es que el futuro del desarrollo de software estará en soportar tipos diversos de equipos y personal con gran dinamismo y que estará distribuido globalmente.



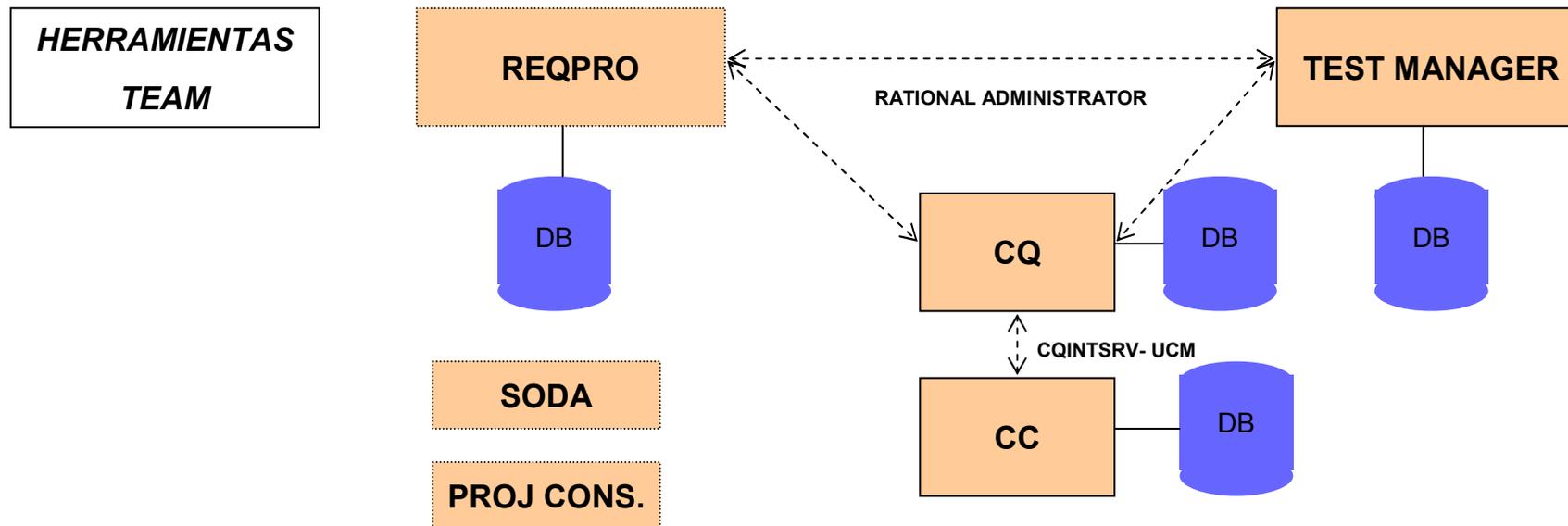
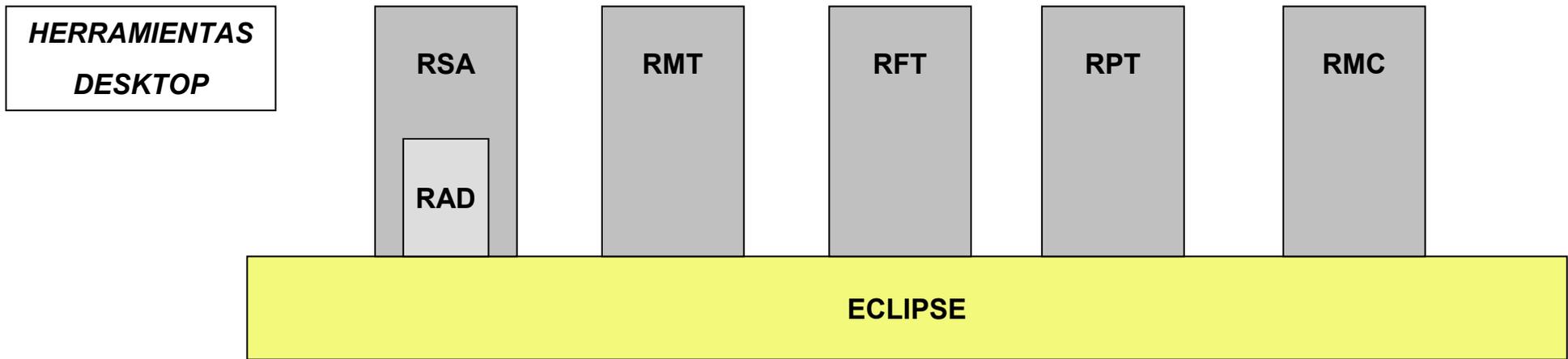
Colaboración (integración) entre herramientas es exponencialmente compleja.



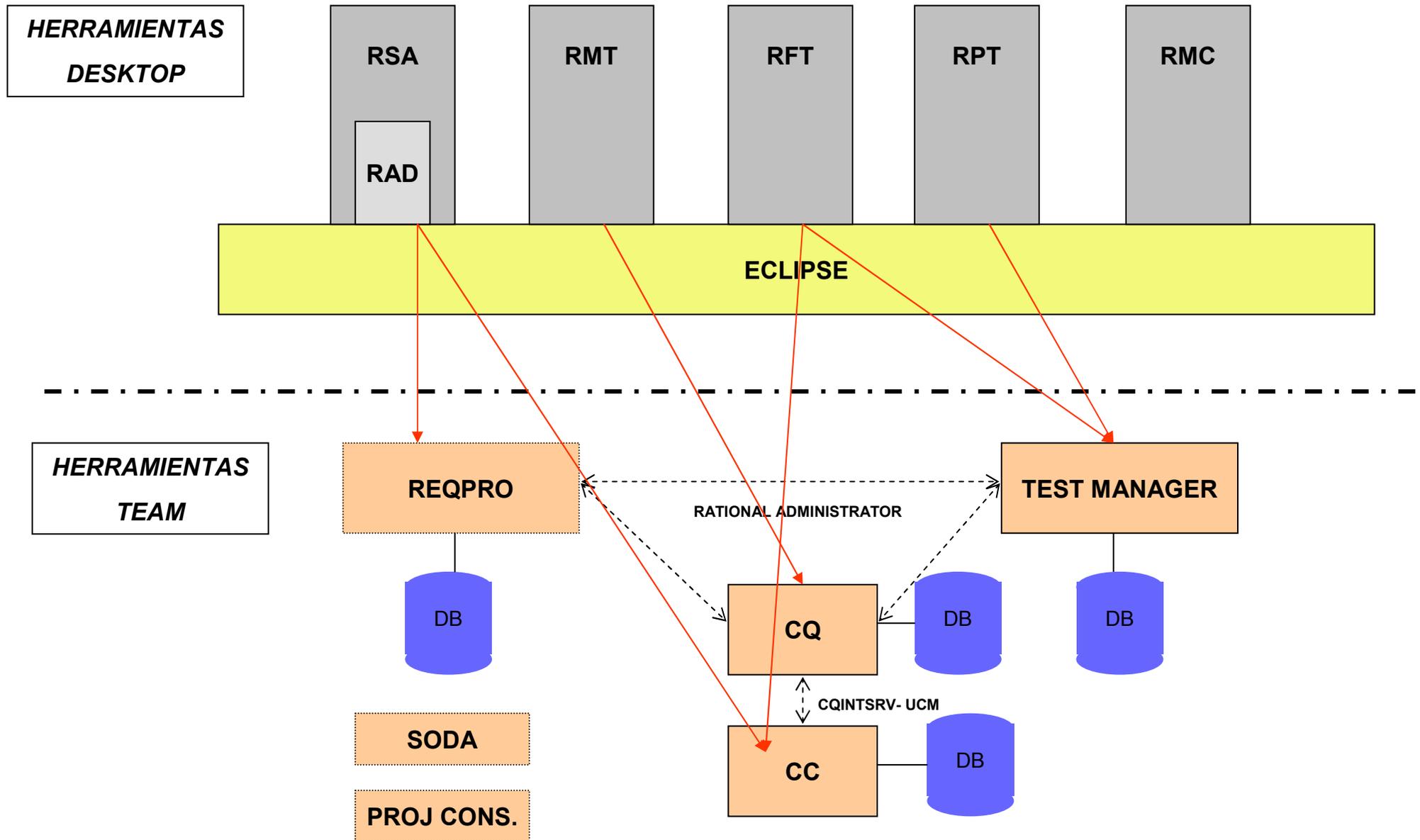
Arquitectura antes de Jazz de las herramientas Rational



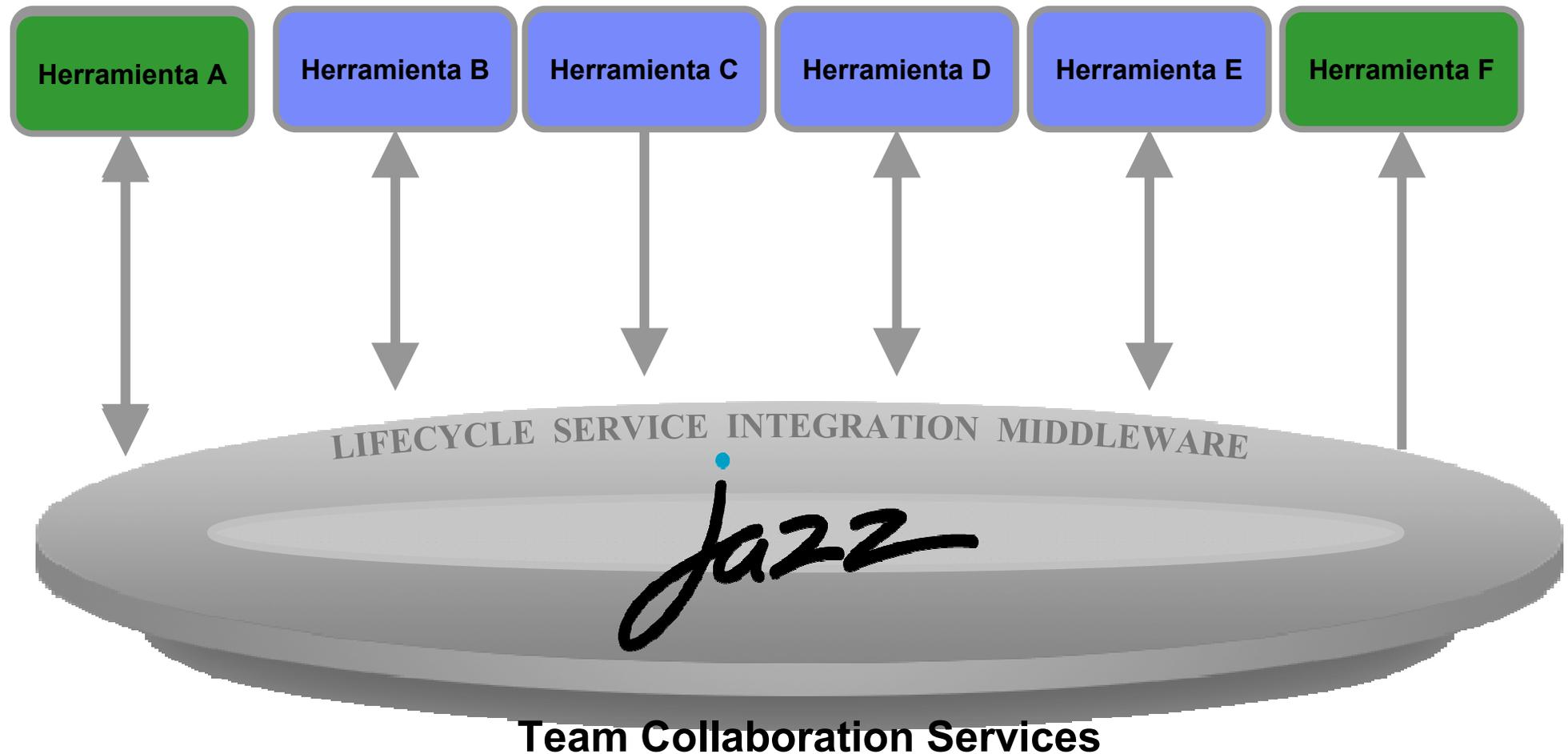
Arquitectura antes de Jazz de las herramientas Rational



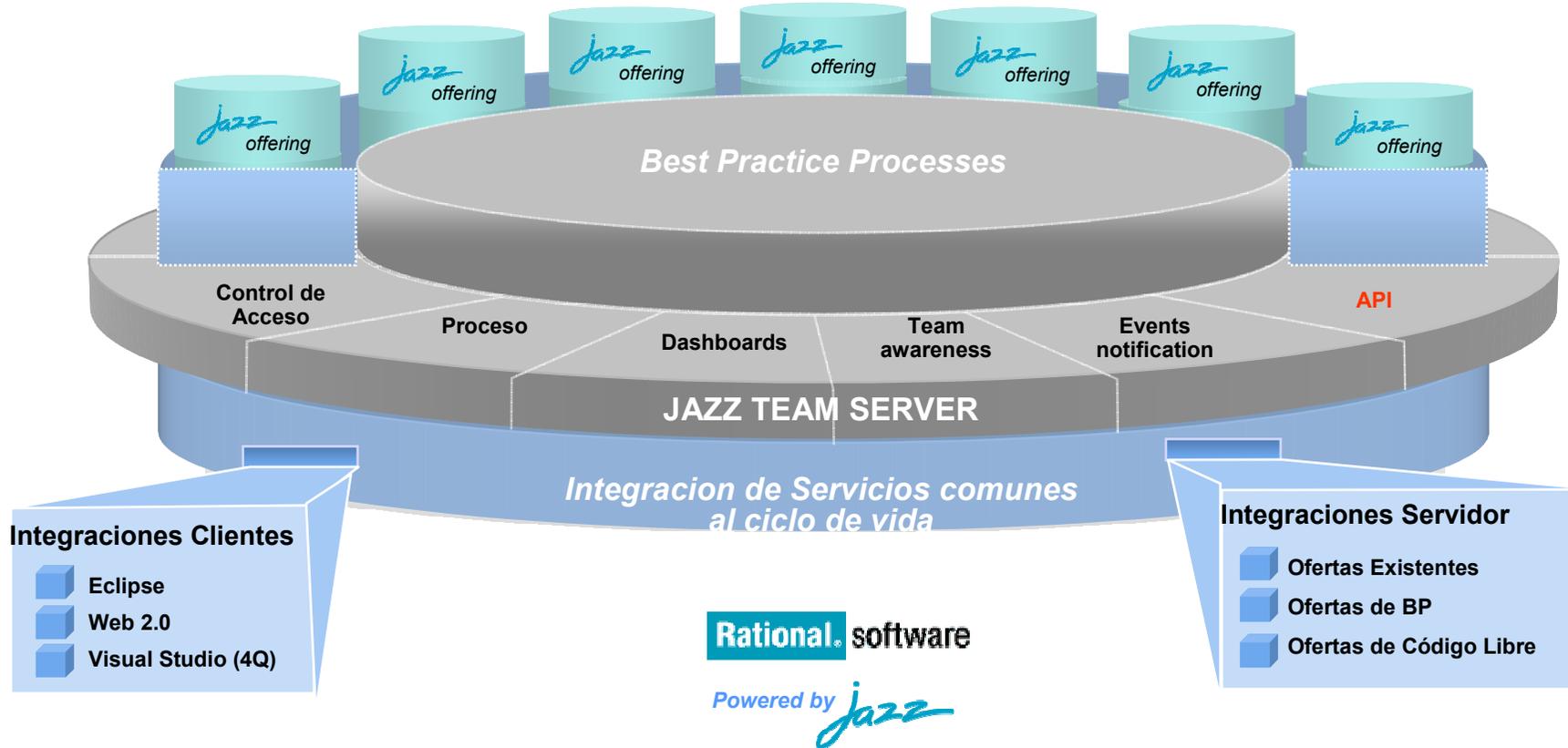
Arquitectura antes de Jazz de las herramientas Rational



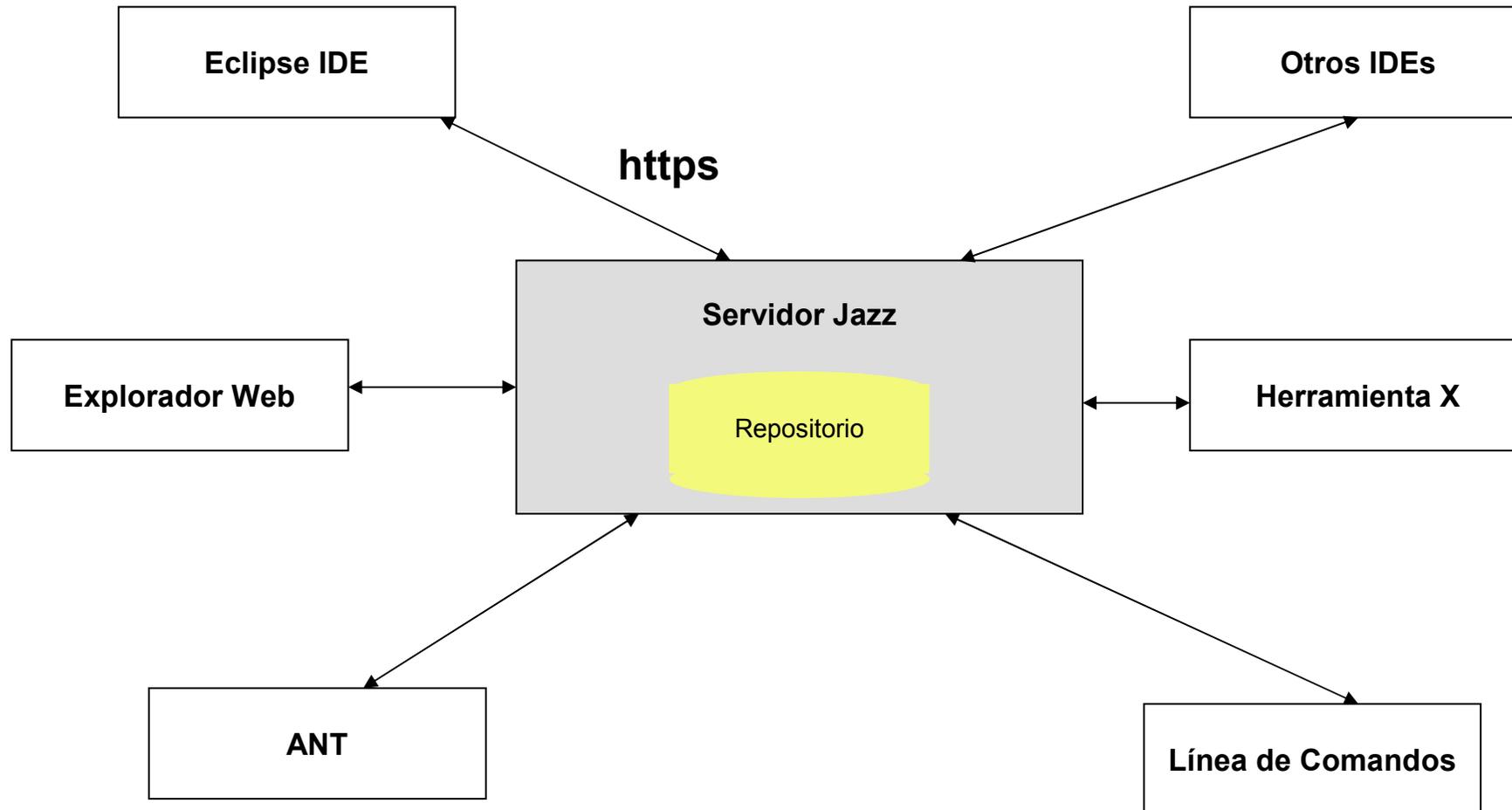
En Jazz la colaboración entre herramientas se realiza a través de servicios proporcionados por un middleware.



PLATAFORMA JAZZ : JAZZ TEAM SERVER



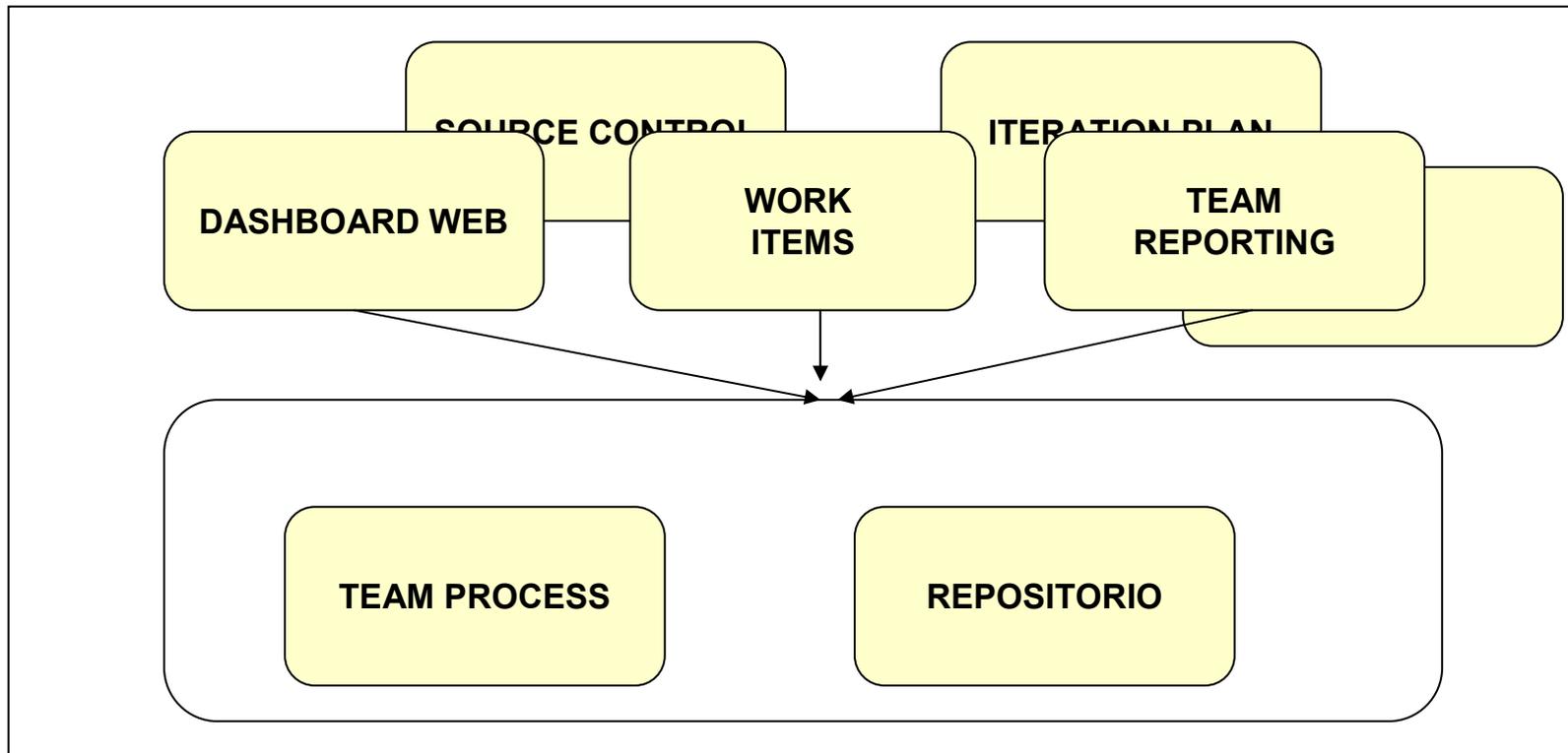
JAZZ es una arquitectura Cliente Servidor



Jazz es una Plataforma Módular : Componente Jazz.

Un componente Jazz proporciona una capacidad relacionada con el ciclo de vida de desarrollo.

ALGUNOS COMPONENTES DE LA PLATAFORMA



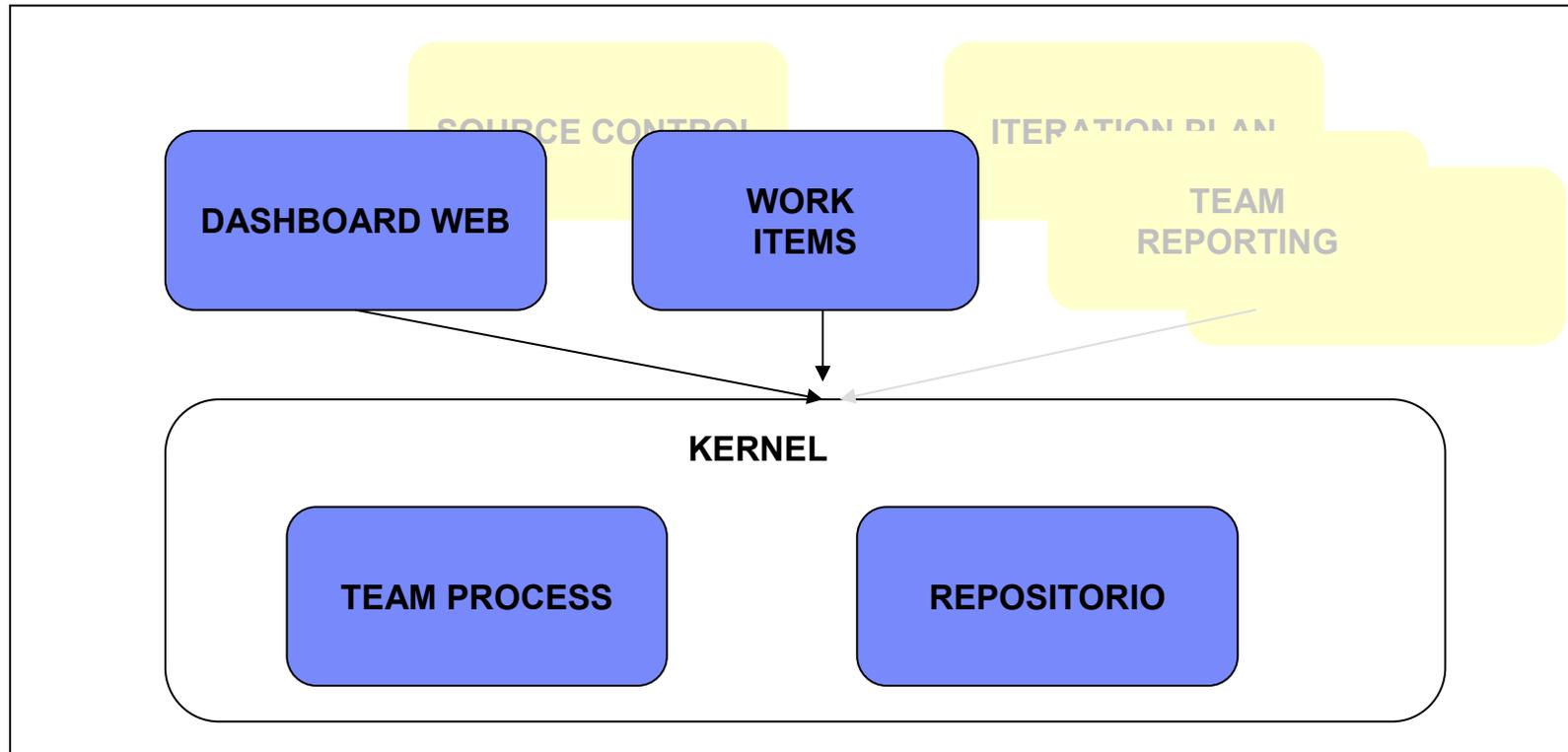
Instalar un componente en el Jazz Server hace que los servicios de dicho componente se encuentren disponibles para su uso.

Instalar el componente en el Jazz Client permite el acceso a los servicios desde el cliente.



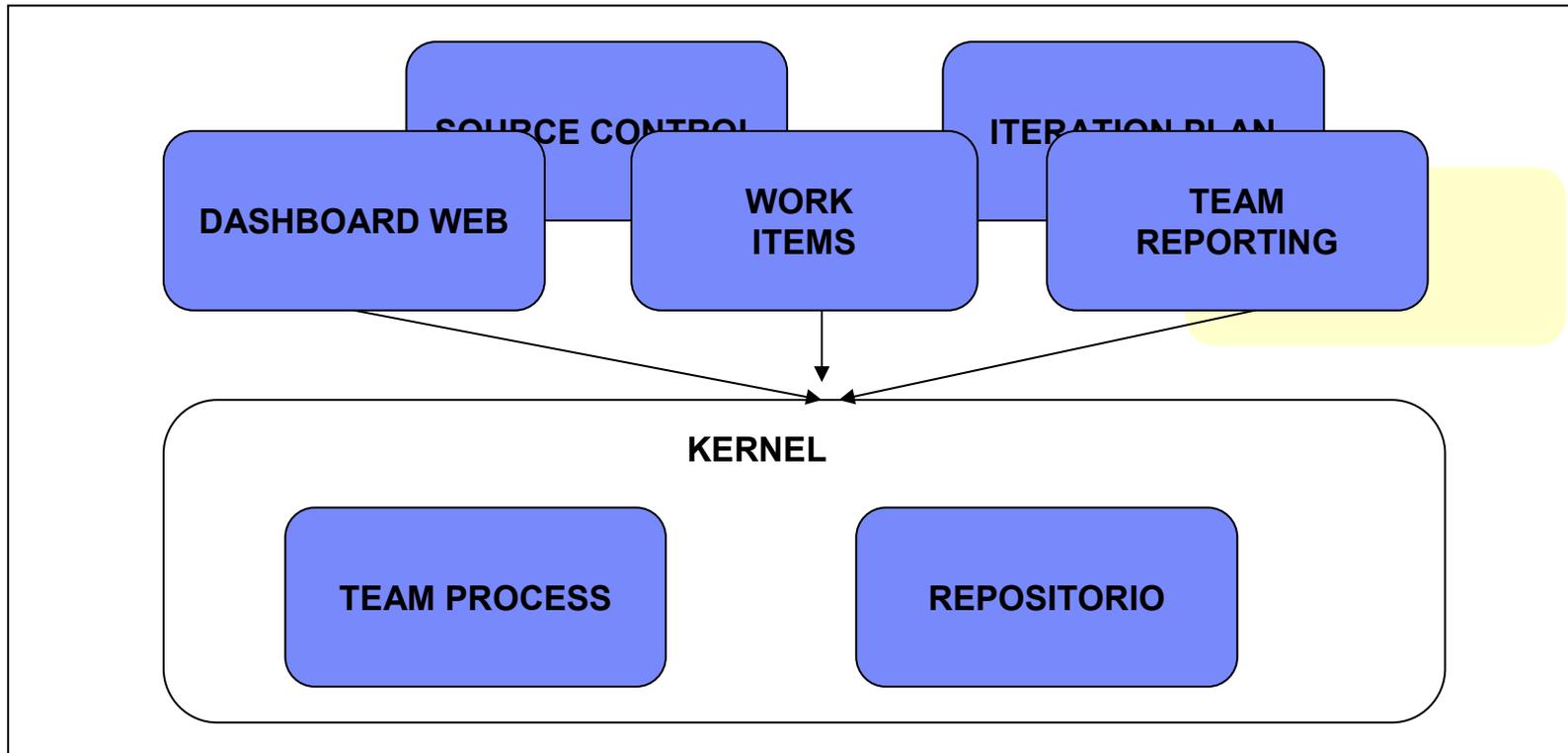
Cada producto de Jazz incluye ciertos componentes

COMPONENTES QUE IMPLEMENTA EL QUALITY MANAGER

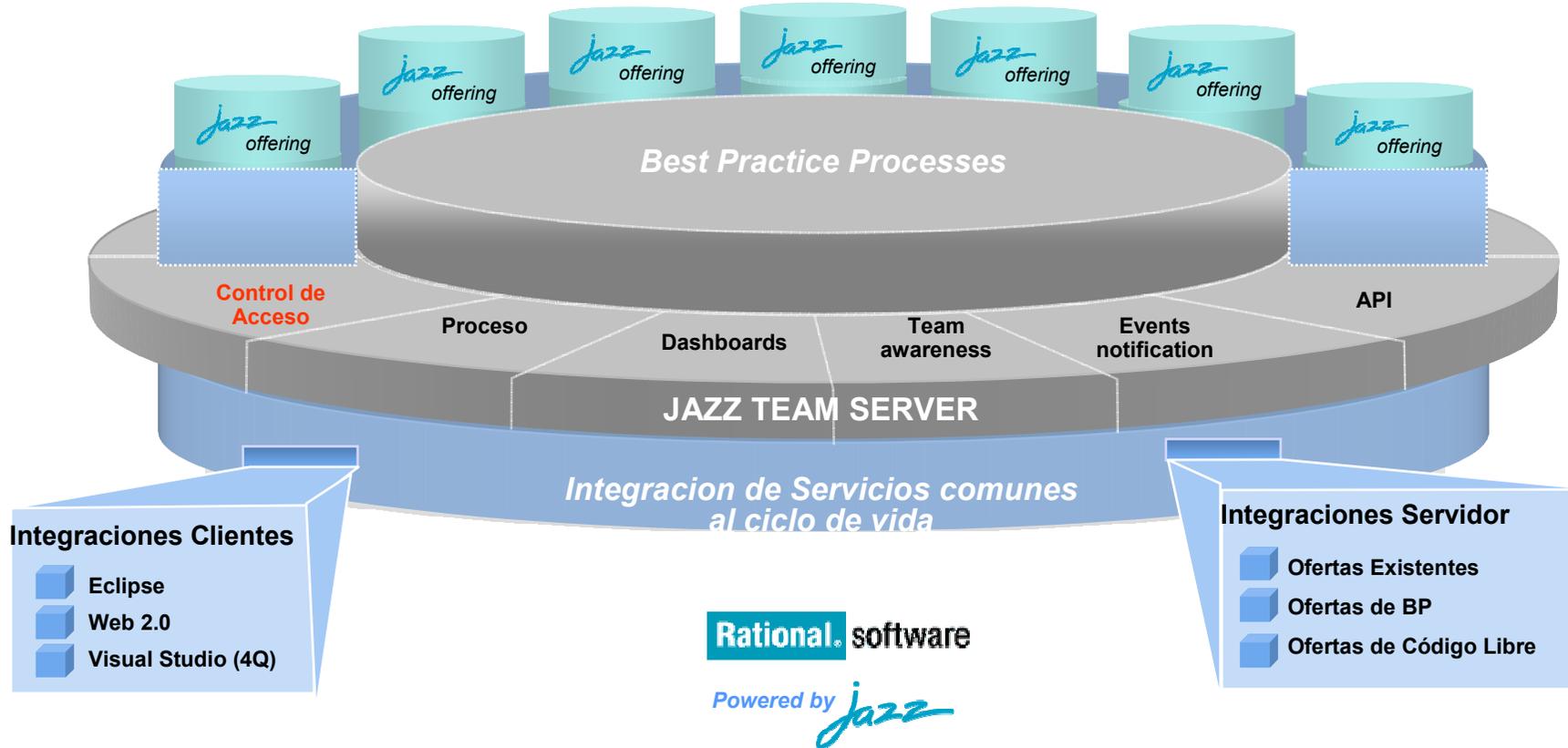


Cada producto de Jazz incluye ciertos componentes

COMPONENTES QUE IMPLEMENTA EL TEAM CONCERT



PLATAFORMA JAZZ : JAZZ TEAM SERVER

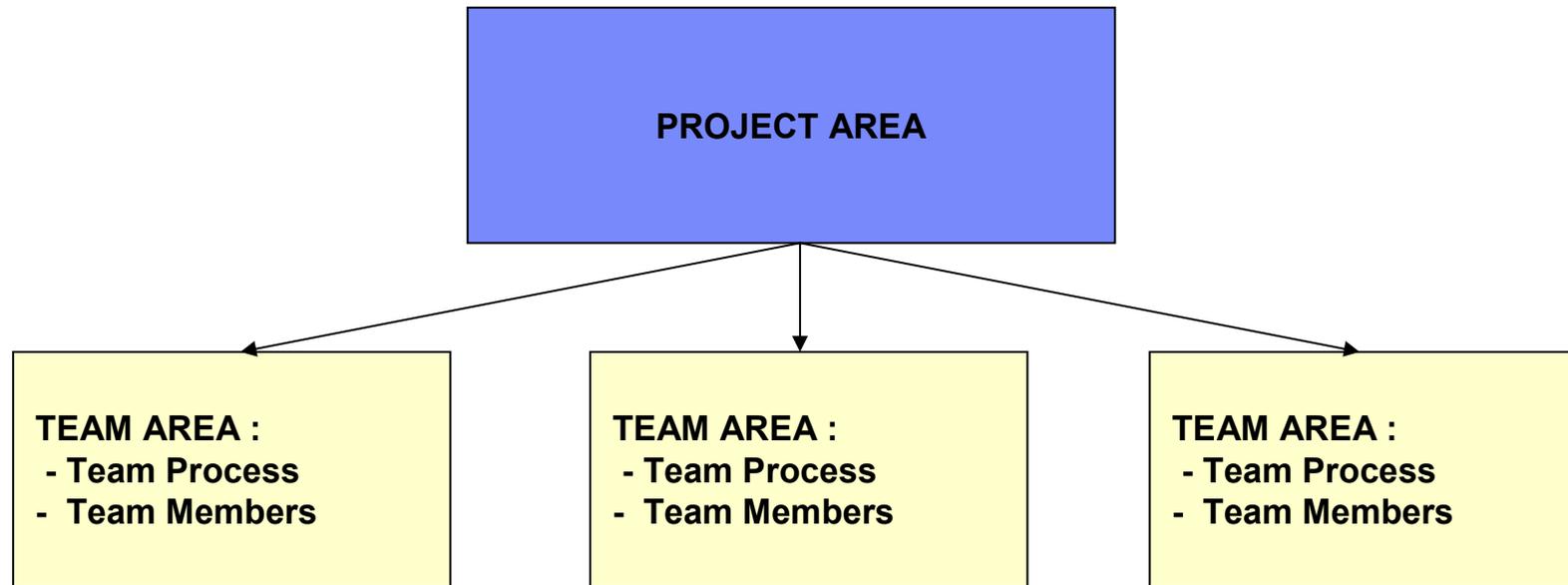


Control de Acceso

- Dos niveles de control de acceso :
 - ▶ Control de Acceso controlado por el servidor de aplicaciones (LDAP)
 - ▶ Control de acceso dentro de la plataforma Jazz.



Niveles organizativos dentro de Jazz



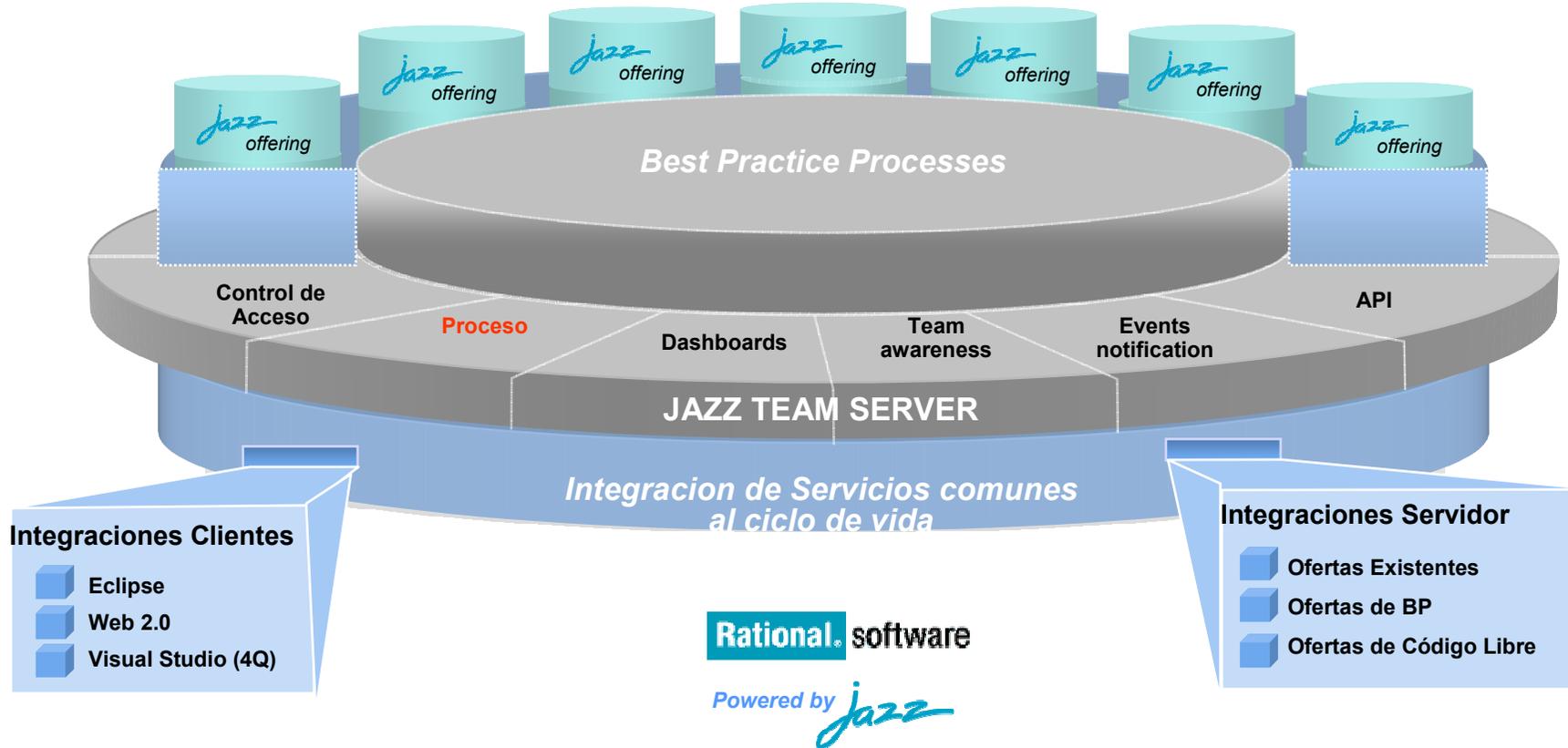
Project Area

The screenshot displays the Rational software interface for configuring a Project Area. On the left, a tree view shows repository connections for 'Squawk [localhost]', including builds, build engines, and plans. The main 'Project Area' panel is titled 'Squawk' and contains several sections:

- Details:** Includes a 'Summary' field with the text 'Instructional project for user training' and a 'Description' field with the text 'This workshop was created and maintained by the Jazz Jumpstart Team: Jim D'Anjou, Philippe Krief, Paul Vanderlei, Steve Wasleski'.
- Members:** Lists roles and their assignments. It shows a role named 'build' and a user named 'Jery Jazz' with a profile picture. Buttons for 'Add...', 'Create...', 'Remove', and 'Process Roles...' are visible.
- Administrators:** Lists project area administrators. It shows a user with a profile picture and buttons for 'Add...', 'Create...', and 'Remove'.
- Process Description:** Contains the text 'Eclipse Way Process (In Progress) The process originally developed by the Eclipse Development Team. The 'Eclipse Way' is an agile, iteration-based process with a focus on consistent, on-time delivery of quality software.'
- Process Iterations:** Shows a tree view of iterations: 'Main Development Line' containing 'Release 1 [1/15/08 - 12/3]' which includes '1.0 M1 [1/15/08 - 1/24]' and '1.0 M2 [1/25/08 - 12/31]'. Under '1.0 M2', there are 'Development' and 'End Game' sub-items. Buttons for 'Edit Properties...', 'Duplicate...', 'Create Line...', 'Create Iteration...', and 'Delete...' are present.

A blue callout box with a pointer to the 'Process Iterations' section contains the text: **Definición de planes de iteración**.

PLATAFORMA JAZZ : JAZZ TEAM SERVER



Process Editor

Definición de roles

Control del Comportamiento basandose en Roles.

Modificación de permisos

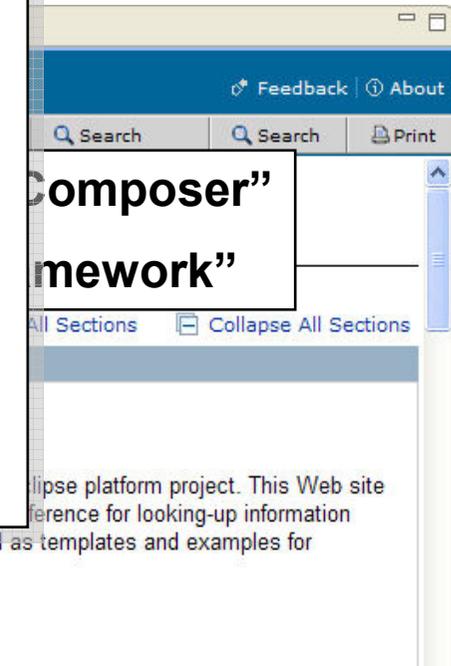
Definición de proceso en cada línea de desarrollo

Actions	contributor	teamlead	default
- Process			
[-] Generate Team Invitation (server)	✗	✗	✓
[-] Save Team Area (server)	✗	✓	✗
<Uncategorized>			
[-] Abandon Build (server)	✓	✓	✗
[-] Cancel Pending Build Request (server)	✓	✓	✗
[-] Control The Build Lifecycle (server)	✗	✓	✗
[-] Create Private Component (server)	✗	✗	✓
[-] Create Repository Workspace (server)	✗	✗	✓
[-] Delete Build Definition (server)	✗	✓	✗
[-] Delete Build Engine (server)	✗	✓	✗
[-] Delete Build Result (server)	✗	✓	✗
[-] Delete Iteration Plan (server)	✗	✓	✗
[-] Delete Query (server)	✓	✗	✗
[-] Deliver (server)	✓	✗	✗
[-] Deploy Report (server)	✓	✗	✗
[-] Deploy Report Template (server)	✓	✗	✗
[-] Display Report (server)	✗	✗	✗
[-] Manage Report Folder (server)	✓	✗	✗
[-] Request Build (server)	✓	✓	✗
[-] Save Build Definition (server)	✗	✓	✗
[-] Save Build Engine (server)	✗	✓	✗
[-] Save Build Result (server)	✓	✗	✗
[-] Save Component (server)	✗	✓	✗
[-] Save Iteration Plan (server)	✓	✗	✗
[-] Save Query (server)	✓	✗	✗

Automatización de proceso y Guías.

■ Team Advisor

- Definición de reglas a ejecutar después de una acción.
- Reglas configurables.
- “Quick Fixes”
- Las reglas pueden ser definidas dinámicamente permitiendo la mejora constante.



around practices and development methods. It provides check lists for performing tasks as well as templates and examples for artifacts.

Quick Index

Use this Quick

Team Advisor

Deliver (1 error) [client] 11:38:49 A

- No Unused Imports
- Clean Workspace
- Descriptive Change Sets
- <No Description>

Change set missing required comment or work item.

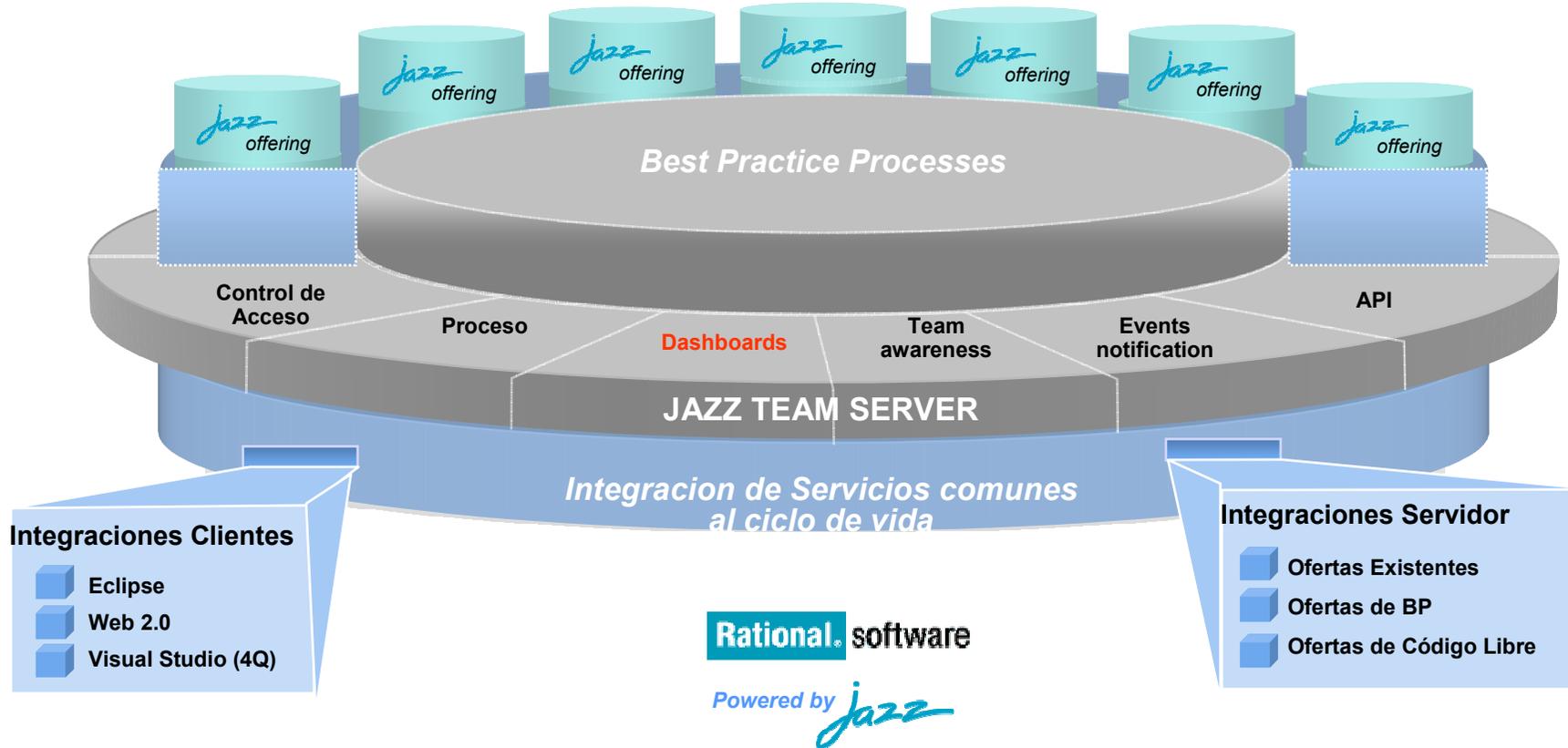
Change set missing required comment or work item.

Quick Fix:

- Associate Existing Work Item
- Associate New Work Item
- Associate and Try Again (experimental)

Detailed F

PLATAFORMA JAZZ : JAZZ TEAM SERVER



Dashboard

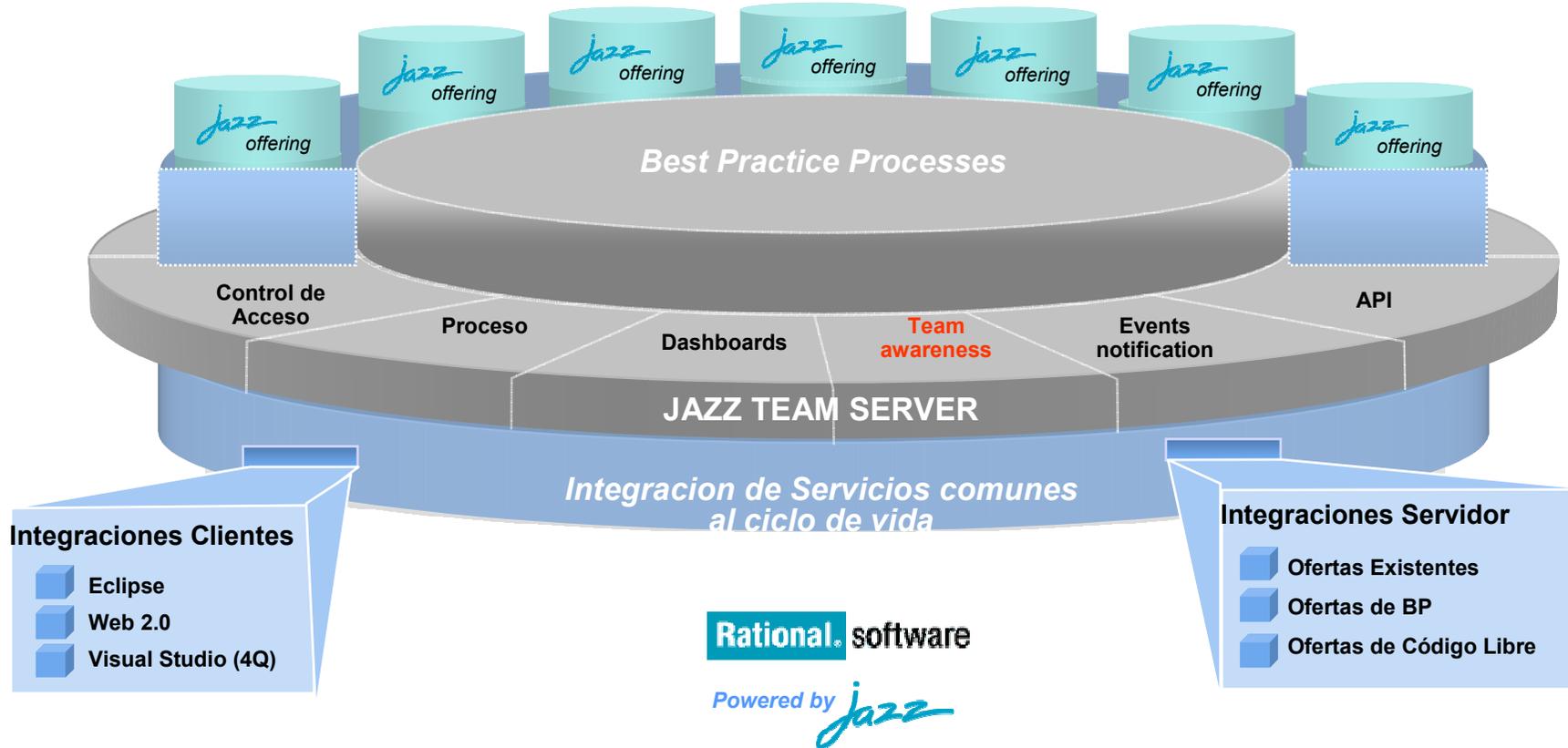
Estado del proyecto en un vistazo

Reports en tiempo real

The screenshot displays the 'Jazz Project Dashboard' interface. On the left, there is a sidebar with navigation options like 'Create New Dashboard', 'Find Dashboard', and 'Shared Dashboards'. The main content area is divided into several sections:

- Home:** A notification 'M6 Started' with a warning icon and the text 'Current iteration changed to M6.' Below it is a 'Welcome' message and a 'Jazz Project Description' section.
- Server Status:** A section showing system health: Database: Connected, Services: Ok, Memory: 18% free of 572MB allocated / 1000MB Max, Version: 0.6.0.120080307-1427, Uptime: 7 hours, 32 minutes.
- Recently modified (272) Tags:** A list of tags with counts, such as 'product(49)', 'errorhandling(10)', 'globalization(8)', etc.
- Open Work Items by Type (All):** A stacked area chart showing the number of open work items from 2/1/07 to 2/1/08, categorized by Plan Item, Enhancement, and Task.
- Open vs Closed Work Items (All):** A stacked area chart comparing open and closed work items over the same period.
- Open Work Items by Priority (All):** A stacked area chart showing open work items categorized by priority: Unassigned, Low, Medium, and High.
- Blocking Work Items (All):** A line chart showing the number of blocking work items over time.
- Closed Work Items by Priority (All):** A stacked area chart showing closed work items by priority.
- New Work Items by Severity (All):** A bar chart showing new work items categorized by severity: Unknown, Major, Unclassified, Critical, Minor, and Blocker.

PLATAFORMA JAZZ : JAZZ TEAM SERVER



Team Awareness : Qué es lo que pasa en el equipo?

The screenshot displays the Rational Team Concert (RTC) interface. On the left, there's a sidebar with 'Team Load' showing 'No Work Time Left' and 'Hours: 0/0'. Below it, 'My Open Work Items' are listed by priority: 3960 (-3) Unassigned, 282 Low, 531 Medium, and 108 (-3) High. The main area shows 'Story 45274' with a progress bar at 11% (2 Closed, 15 Open Items), created on Feb 22, 2008, and assigned to Kevin Haaland. A context menu is open over the story, with 'Chat...' selected. Other menu items include 'Send File...', 'Send Clipboard...', 'Send Mail...', 'Call...', 'Subscribe to Events Generated by User', 'Add to Favorites...', 'Show Recent Events', 'Show Recent Work', 'Show Current Work', and 'Invite to Join Team...'.

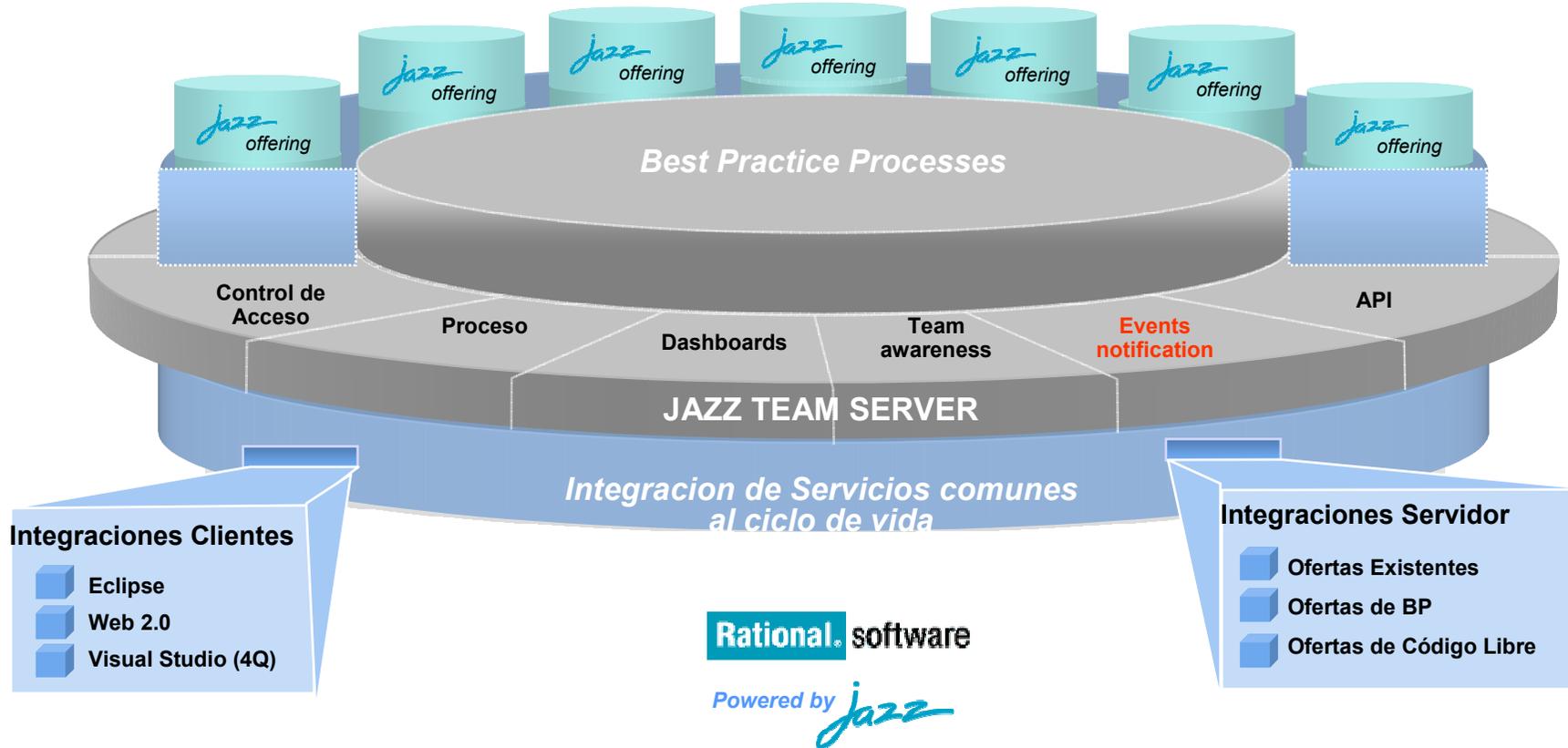
Team Awareness

- Mostrar los miembros del equipo y su estado.
- Mostrar en qué están trabajando.

The chat window shows a conversation between Kevin (K.G.) Haaland and kartik@ca.... The message from kartik@ca... says: 'looking at it now * Yes we are on track, the next build will have a of these issues addressed'. The response from Kevin_Ha... is 'np'. The chat window also shows the profile of Kevin (K.G.) Haaland, Eclipse Project Lead, with contact information and availability.



PLATAFORMA JAZZ : JAZZ TEAM SERVER



Event notification

1. Jazz registra todos los eventos que van ocurriendo.
2. Los eventos refrescan las vistas dinámicamente .

The screenshot displays the IBM Jazz web interface with several panels:

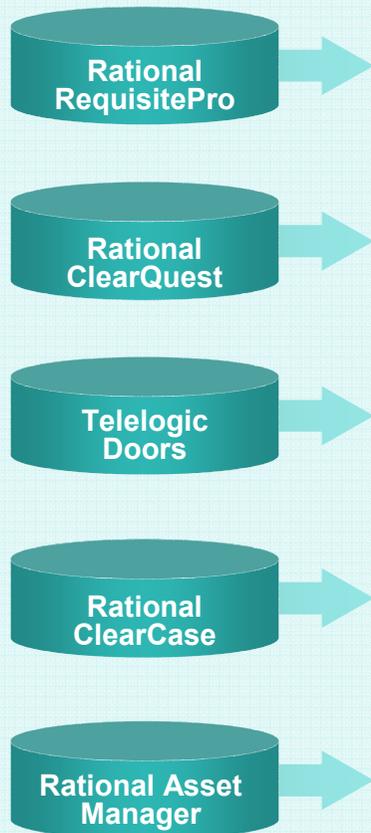
- News (48 unread):** A list of news items including "Gorkem Ercan: Eclipse moment of competitio...", "Litrik De Roy: Dark side of the moon Jun 04", "Nick Boldt: Managing Plugins and Features v...", "Adam Cabler: Anti-Alias bug in 3.3 with GEF", "Birt World: BIRT Release Candidate 0 New a...", and "Ian Skerrett: Euronova is a Global Effort Jun 0..."
- Team Load:** A section for "Jazz Development, current [0.6 M6]" showing work time left and estimated progress for team members.
- My Open Work Items:** A bar chart titled "By Priority (4:07 PM)" showing 3963 total items. The bars represent: Unassigned (3963), Low (282), Medium (531), and High (111).
- New Incoming Work Items:** A bar chart titled "By Severity (4:05 PM)" showing 3159 total items. The bars represent: Unc... (20), Minor (177), Normal (3159), Major (181), Critical (19), and Blocker (4).
- Event Log (113 unread):** A list of events, with the top one highlighted in red: "[9] Outgoing synchronization error (Workt...". Other events include "[4] Improvements to QCert reports (46379)", "[6] Visual Studio .NET integration (26709)", "[8] repotools error - unable to verify or cre...", "[3] Scope and planning for VS client (456:", and "[3] Obscure error messages when the serv...".
- Team:** A section for "Error Loading Section".
- Build:** A section for "Error Loading Section".



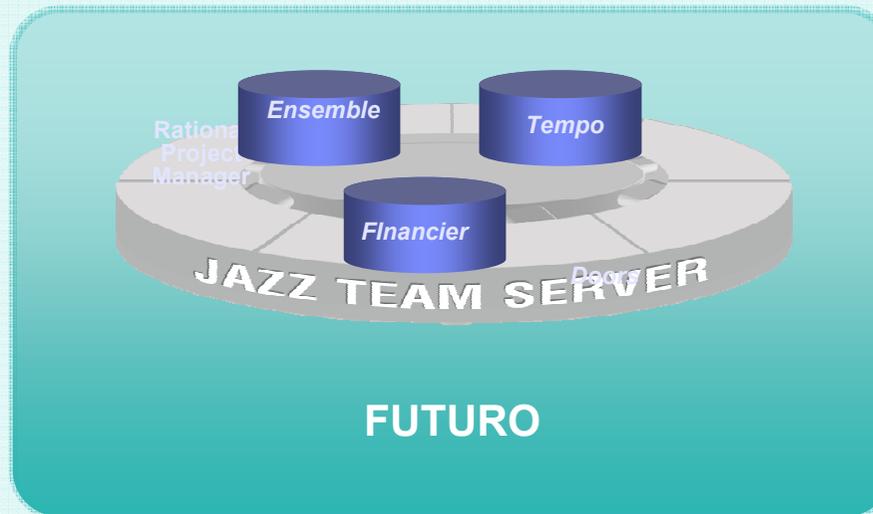
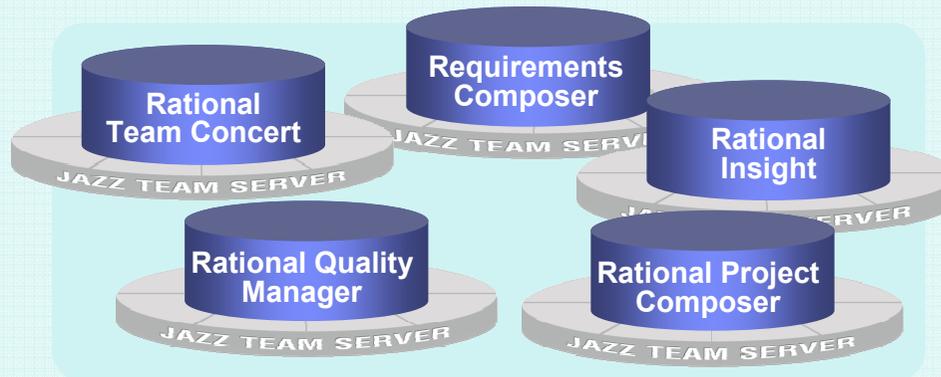
Oferta sobre Jazz : Legacy hacia Jazz y nuevos productos en Jazz

La evolución de la IBM Rational Software Delivery Platform

Ofertas Existentes



Oferta en Jazz



IBM Rational Team Concert

Oferta nueva sobre Jazz.

- Gestión de Configuración
- Gestión de Cambio
- Seguimiento de proyecto
- Gestión de Builds

Open and extensible on



- ✓ Collaborate in context
- ✓ Right-size governance
- ✓ Day one productivity

IBM Rational Team Concert




transparent *integrated presence*
 wikis OPEN real-time
 reporting chat automated hand-offs
 Web 2.0 *custom dashboards*
 automated data gathering **EXTENSIBILITY**
Eclipse plug-ins services architecture
FREEDOM TO CREATE

Rational Team Concert

Plan de iteraciones

- Sistema de iteraciones integrado.
- Estimaciones ligadas a los hitos.
- Procesos out of the box

Portal de Proyecto

- Personalización de dashboards
- Métricas y reportes en tiempo real.
- Seguimiento de Proyecto.

SCM

- Gestión de líneas de trabajo paralelas.
- Baselines a nivel componente.
- Identificación de componentes y baselines.

Tareas

- Defectos, peticiones de mejora y conversaciones.
- Consultas y compartición de consultas.
- Soporte para aprobaciones y discusiones.
- ClearQuest connector
- Editor de consultas.

Build

- Trazabilidad con Work item y change set.
- Build servers remotos o locales.
- Soporte para ant y linea de comandos.
- Integración con build forge
- Definición de Builds

Jazz Team Server

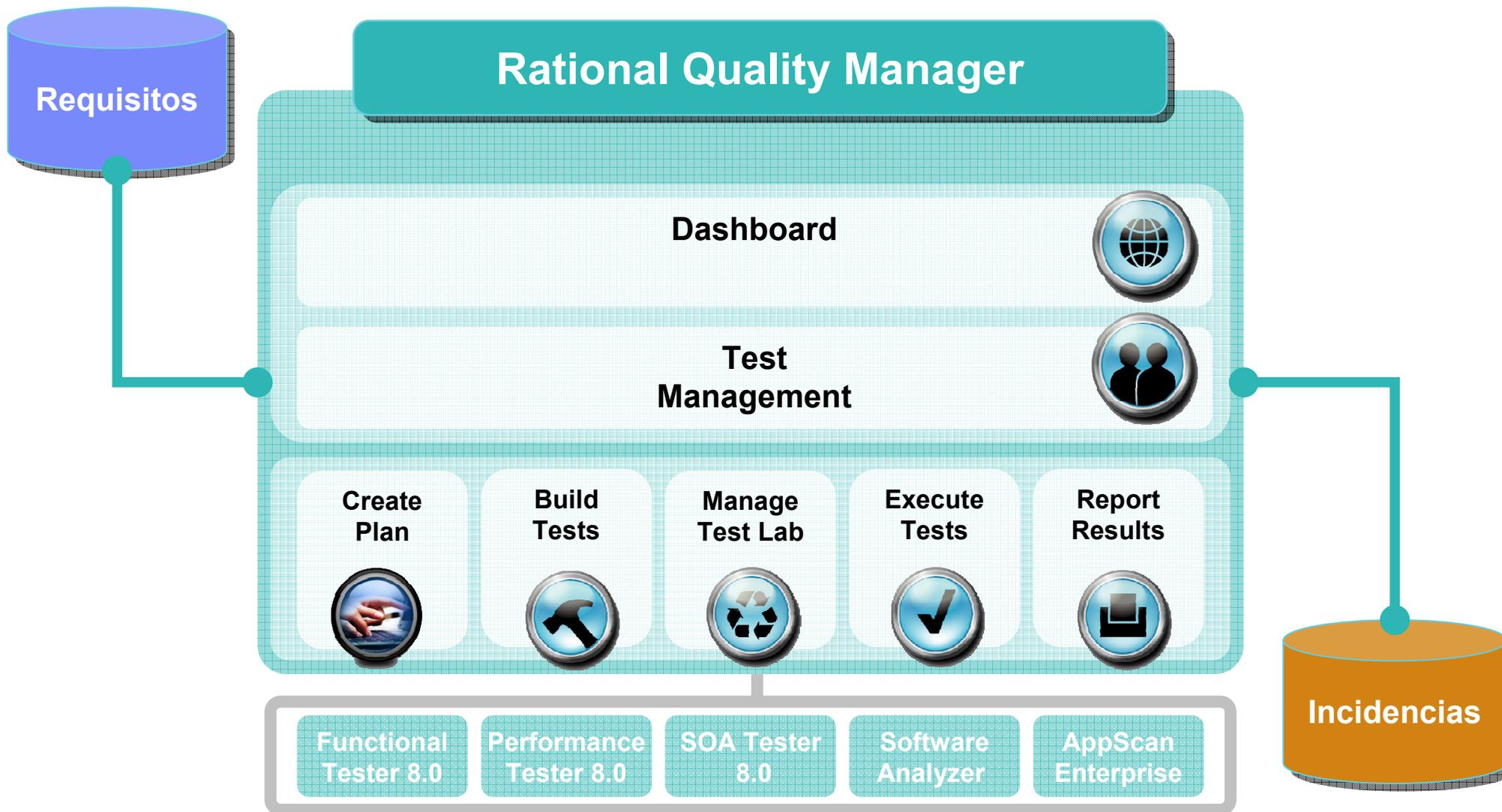
- Estructura para los artefactos de proyecto.
- Acceso inmediato a proyectos por miembros, equipos, etc.
- Control de acceso orientado a roles y control de proceso.

- Team advisor para la definición de reglas permitiendo la mejora constante.
- Definición y seguimiento de proceso.
- Colaboración contextual.



Rational Quality Manager

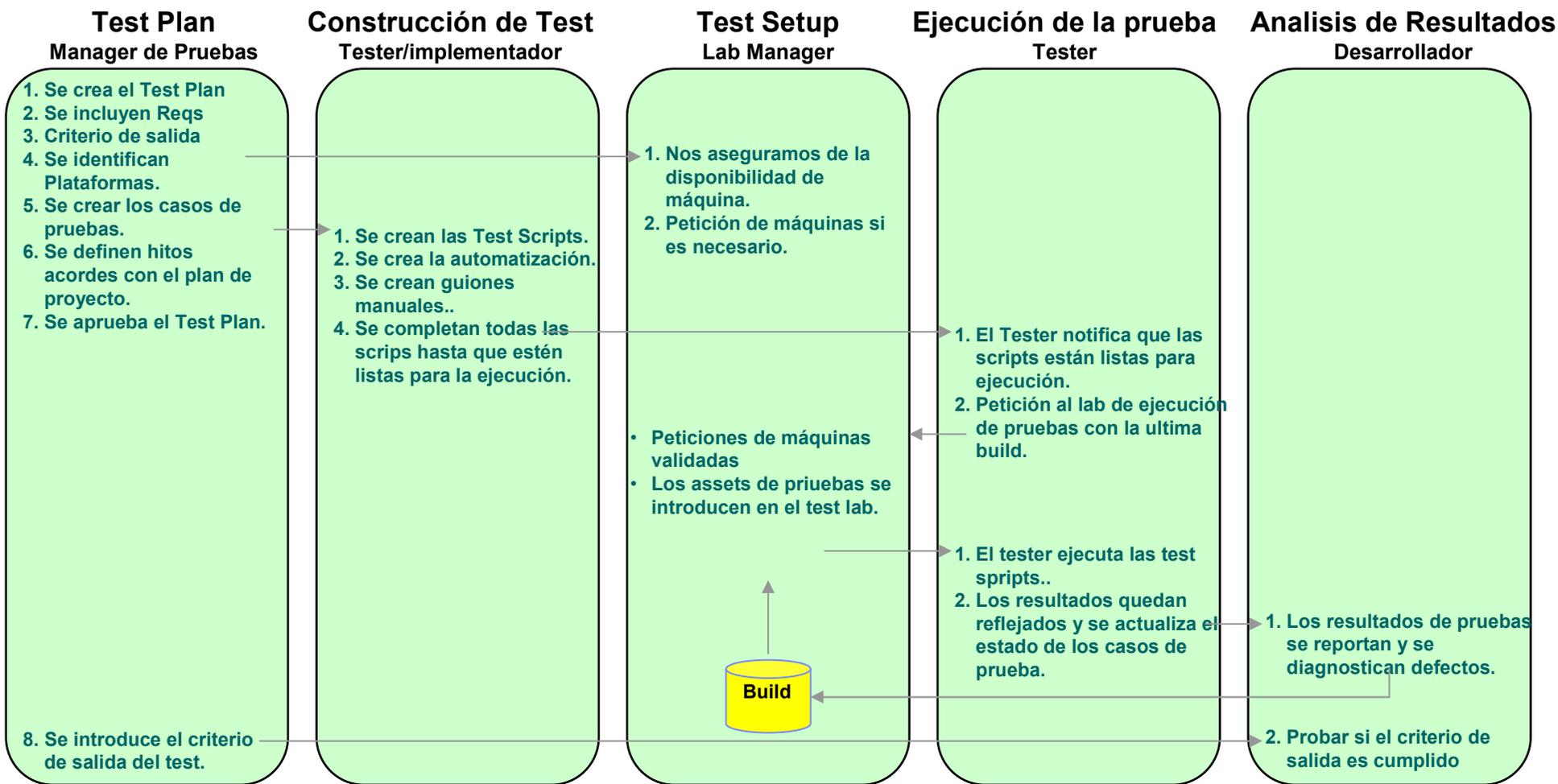
Gestión de la Calidad para la Empresa



Testing a nivel corporativo.

Desde el test plan hasta los resultados..

Gestión de la Calidad : Quality Manager



Quality Manager : Interface WEB

Mozilla Firefox
 File Edit View History Bookmarks Tools Help
 Getting Started Latest Headlines
 Welcome **Katie** | Project 001
 Sign Out
 Home Planning Construction Lab Management Execution Analysis Help
 Configure this page

Katie's Home

My Tasks

Newly Assigned (3 Items)

- Verify Build Verification test
- Review Properties Test Case
- Create GUI Install Test Plan

Today (3 Items)

- Complete Project ABC Test Plan
- Review Properties Test Case
- Complete GUI Install Test Plan

Future (1 Item)

- Review Lab Quality Test

Event Log View all

- Build 0986 has successfully finished 30 min ago
- Machine 0892-x2 has been reserved 1 h 20 min ago
- Build 0985 is ready 5 h ago
- Build 0984 is ready 10 h ago
- Machine 098-Linux has been reserved Yesterday, 10:00 PM
- Build 0983 encountered errors Nov. 12, 1:20 PM
- Build 09261 is ready Nov. 10, 10:00 AM
- Reservation expired for Machine Sierra Nov. 5, 1:00 PM
- Build 98142 encountered errors Nov. 5, 10:00 AM

Team Load

- Katie Testlead** (20 Items Assigned, 10 Complete) **Behind**
- Ted Tester** (13 Items Assigned, 10 Complete) **On Time**
- Terry Tester** (15 Items Assigned, 10 Complete) **Behind**
- Uma Requester** (21 Items Assigned, 16 Complete) **On Time**

Overall Progress

Test Case Points

Jan 01 Jan 08 Jan 15 Jan 22 Jan 29 Feb 05 Feb 12 Feb 19 Feb 26

- Projected Complete
- Projected Attempted
- Actual Complete
- Actual Attempted

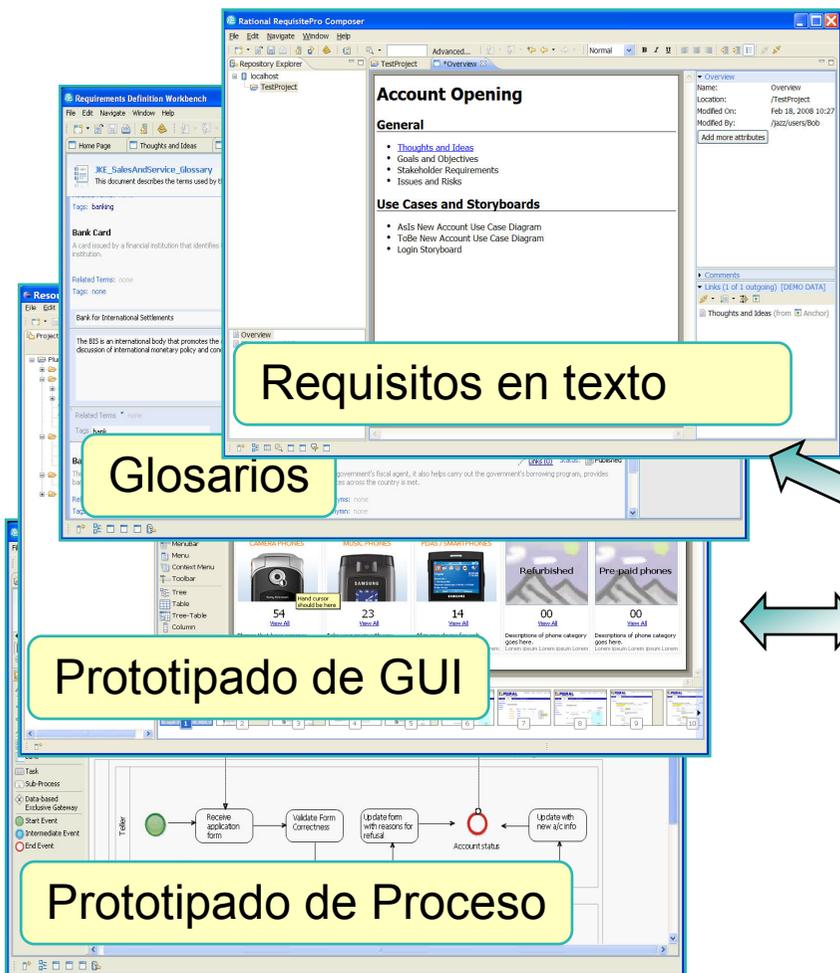
Milestone

Project ABC Milestone 4 Start: Nov. 15, 2007 Target End: Dec. 31, 2007 **Behind**

© IBM Corporation 1996, 2007 **Powered by jazz**

Rational Requirements Composer

Entorno de identificación y construcción de requisitos



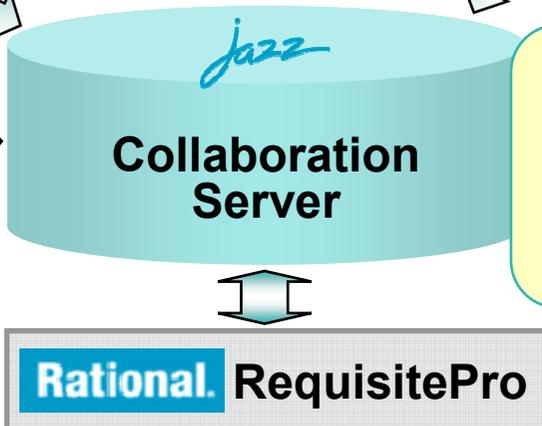
Requisitos en texto

Glosarios

Prototipado de GUI

Prototipado de Proceso

Revisión y aprobación vía web



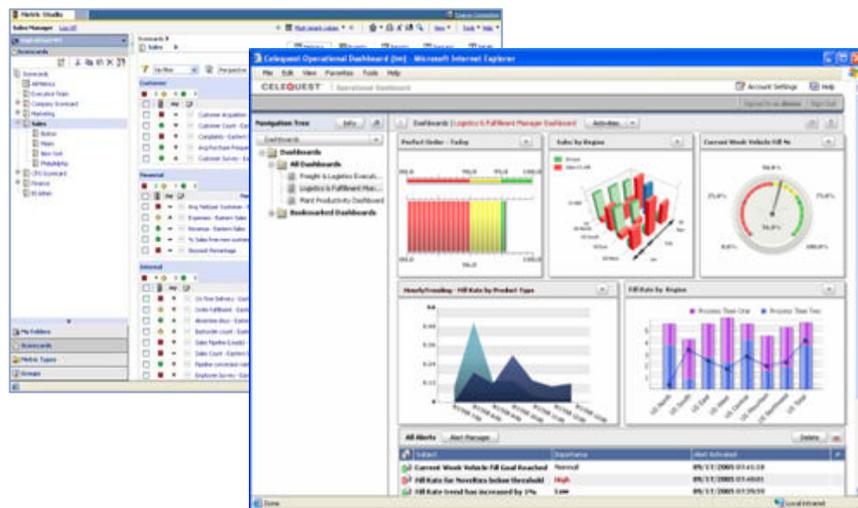
- Compartir trabajo instantaneo.
- Control de acceso.
- Versioneado.
- Revisión y ciclo de Aprobación

Rational Insight

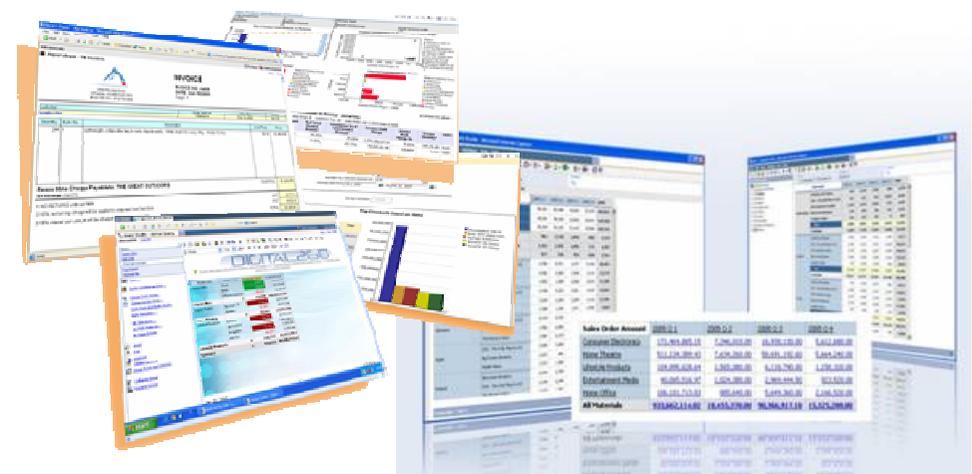
Métricas y Reporting

- Capacidades avanzadas de Business Intelligence en la comunidad de desarrollo de software.
- Información en tiempo real del proceso de desarrollo.
- Acceso y explotación a todo los datos relevantes al desarrollo.

Scorecards & Dashboards



Reporting & Analysis



Rational Project Composer : Gestión de Proyecto en Jazz

The screenshot displays the Rational Project Composer web application interface. The browser window title is "EPM - Rational Enterprise Project Management - Mozilla Firefox: IBM Edition". The URL is "https://9.124.18.203:9443/jazz/epmWeb/projects/Tara#action=com.ibm.epm.web.core.viewEPMPage&id=_aH". The application header shows "Rational Focal Point for Project Management" with a trial license expiration of 49 days for user RICHARD KNASTER. The main navigation bar includes "Main", "Admin", "Reports", "Create View", and "Help".

The interface is divided into several sections:

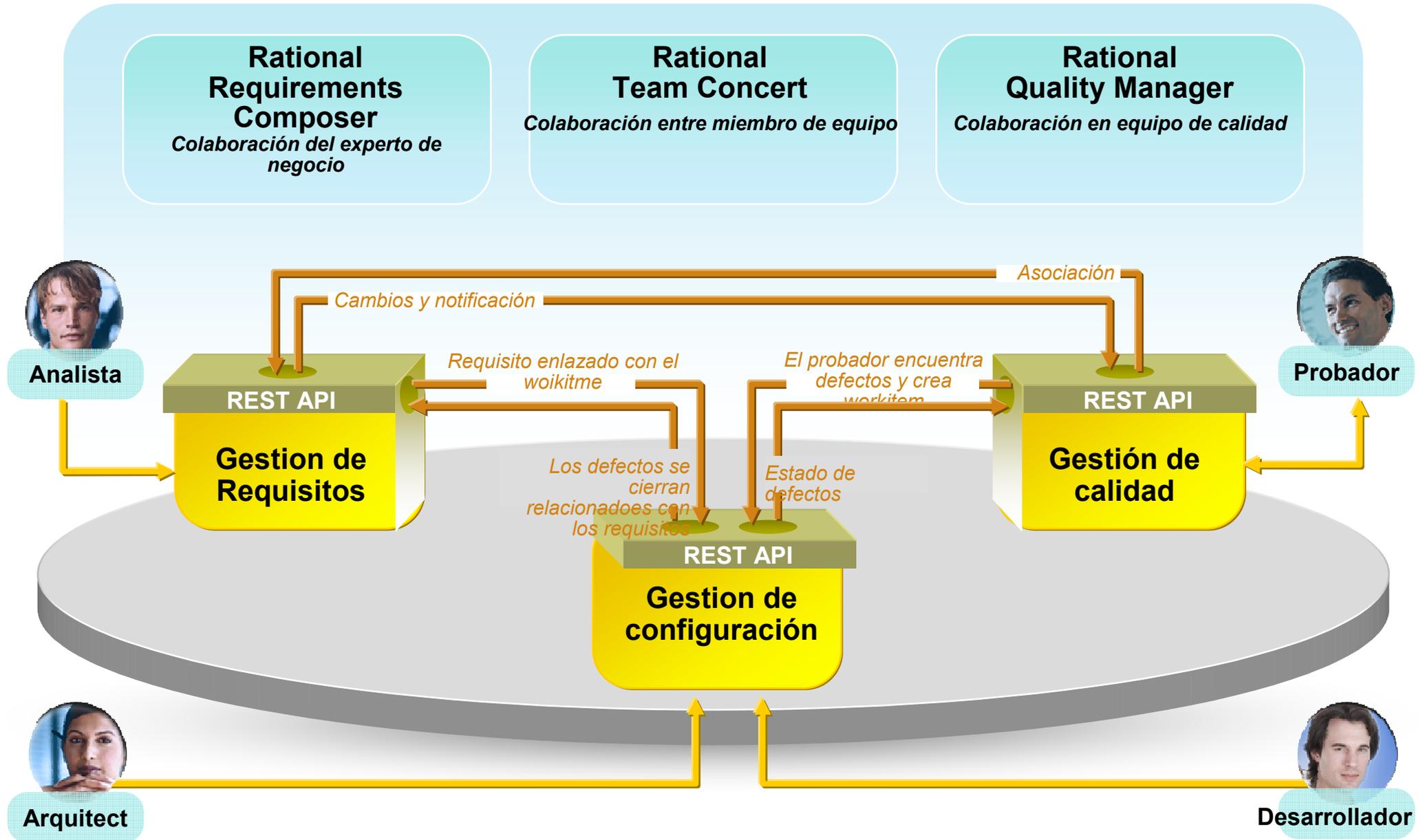
- Left Sidebar:** Contains a "Create Program" button, a "Work Breakdown" section, and a "Programs and Projects" list with items like "Run the Business", "Grow the Business", "Transform the Business", and various "Program_8" through "Program_28" entries.
- Main Content Area:** Features a "Main" tab with sub-tabs for "General", "Overview", "Schedule", "WBS Details", "Resources", "My Timesheet", "Approver Timesheet", "Risk", and "More". The "Schedule" tab is active, showing a "Schedule Gantt" view with a table and a Gantt chart.

The "Schedule Gantt" view includes a table with the following data:

Start Date	Finish Date	Duration [d]	Effort [h]
4/11/09	11/30/09	234	3016
6/12/08	5/12/10	700	4008
4/1/09	4/1/09	2	16
12/31/69	12/31/69	0	0
5/26/09	5/26/09	0	0
12/31/69	12/31/69	0	0
12/31/69	12/31/69	0	0
4/21/09	5/5/09	27	216
3/26/09	6/30/09	97	776
4/27/09	5/1/09	5	0
1/1/09	12/31/09	757	6723
5/26/09	5/26/09	0	0
5/1/09	5/29/09	29	32
3/7/09	6/30/09	406	3248
4/6/09	9/30/09	177	944
12/31/69	12/31/69	0	0

The Gantt chart below the table shows task bars plotted against a timescale from November to May. The bars represent the duration of each project task, with some tasks spanning multiple months and others being very short.

The Foundation of Collaborative ALM



Ventajas y Beneficios Jazz

■ Arquitectura.

- ▶ Habilita trabajo remoto en **centros dispersos geográficamente y en factorías.**
- ▶ **Integración** en una plataforma común.
- ▶ **Extensible y abierta.**

■ Operativa del desarrollo.

- ▶ Entorno **colaborativo** de desarrollo completo y eficiente.
- ▶ Estandarización del proceso de desarrollo. **Adaptación a cualquier metodología.**
- ▶ Reducción de actividades de puesta en marcha de proyectos.

■ Gobierno y métricas.

- ▶ Obtención de un marco de gobierno del desarrollo.
- ▶ Obtención inmediata de **dashboards.**

