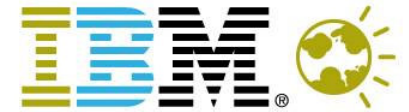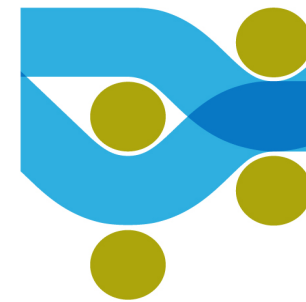**Session 3 : Rational**

Nicolas Berney
Rational Account Manager

Christophe Tournier
Rational Consultant

Smart Decisions for a Smarter Planet

LEARN NEW IDEAS TO STAY AHEAD OF THE MARKET!

Planification et gestion de projet
avec un seul outil :
Rational Project Conductor

1 IBM Software Solutions Day

vous faire connaître les dernières évolutions de l'offre software

650 Collaborateurs IBM pour vous aidez en Suisse Romande

5 Familles de produits: Tivoli, WebSphere et Rational pour la fondation d'architecture services « SOA», Information Management pour la gestion des données et finalement Lotus pour la collaboration.

ÉCOLE POLYTECHNIQUE
FÉDÉRALE DE LAUSANNE

Smart Decisions for
a Smarter Planet
LEARN NEW IDEAS TO STAY AHEAD
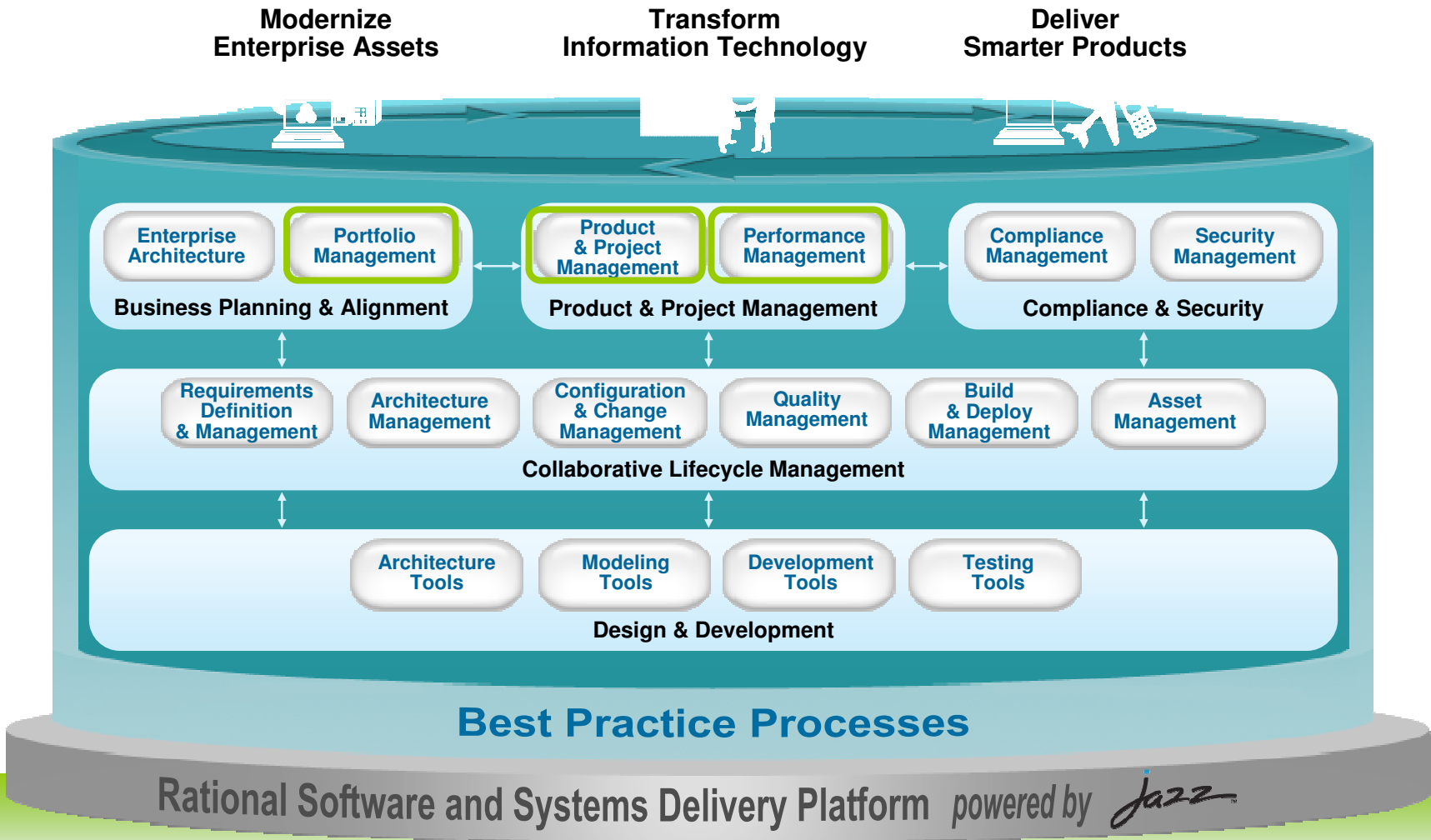OF THE MARKET!

IBM

Agenda

- **IBM Rational – Jazz**

- **Project Portfolio Management**
  Focal Point

- **Project Execution**
  Project Conductor → Demo

- **Resources**

IBM ALM Rational software solutions

Modernize Enterprise Assets   **Transform Information Technology**   **Deliver Smarter Products**

Business Planning & Alignment	Product & Project Management	Compliance & Security
Enterprise Architecture · Portfolio Management	Product & Project Management · Performance Management	Compliance Management · Security Management

Collaborative Lifecycle Management

Requirements Definition & Management · Architecture Management · Configuration & Change Management · Quality Management · Build & Deploy Management · Asset Management

Design & Development

Architecture Tools · Modeling Tools · Development Tools · Testing Tools

Best Practice Processes

Rational Software and Systems Delivery Platform *powered by* jazz

IBM and Business Partner Ecosystem

IBM Rational Jazz framework

Lifecycle collaboration, powered by automation to govern software quality
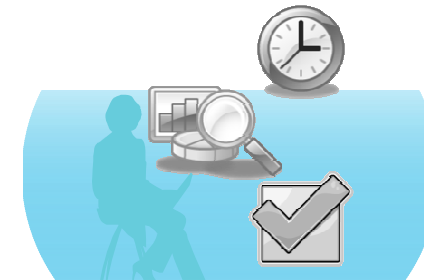
Collaborate

Collaborative, continuous, and comprehensive information sharing
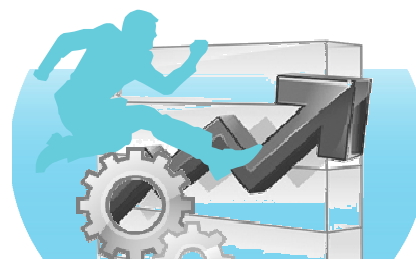
Automate

Automating labor-intensive activities and increases predictability

Report

Dynamic information to manage the software quality and to take informed actions
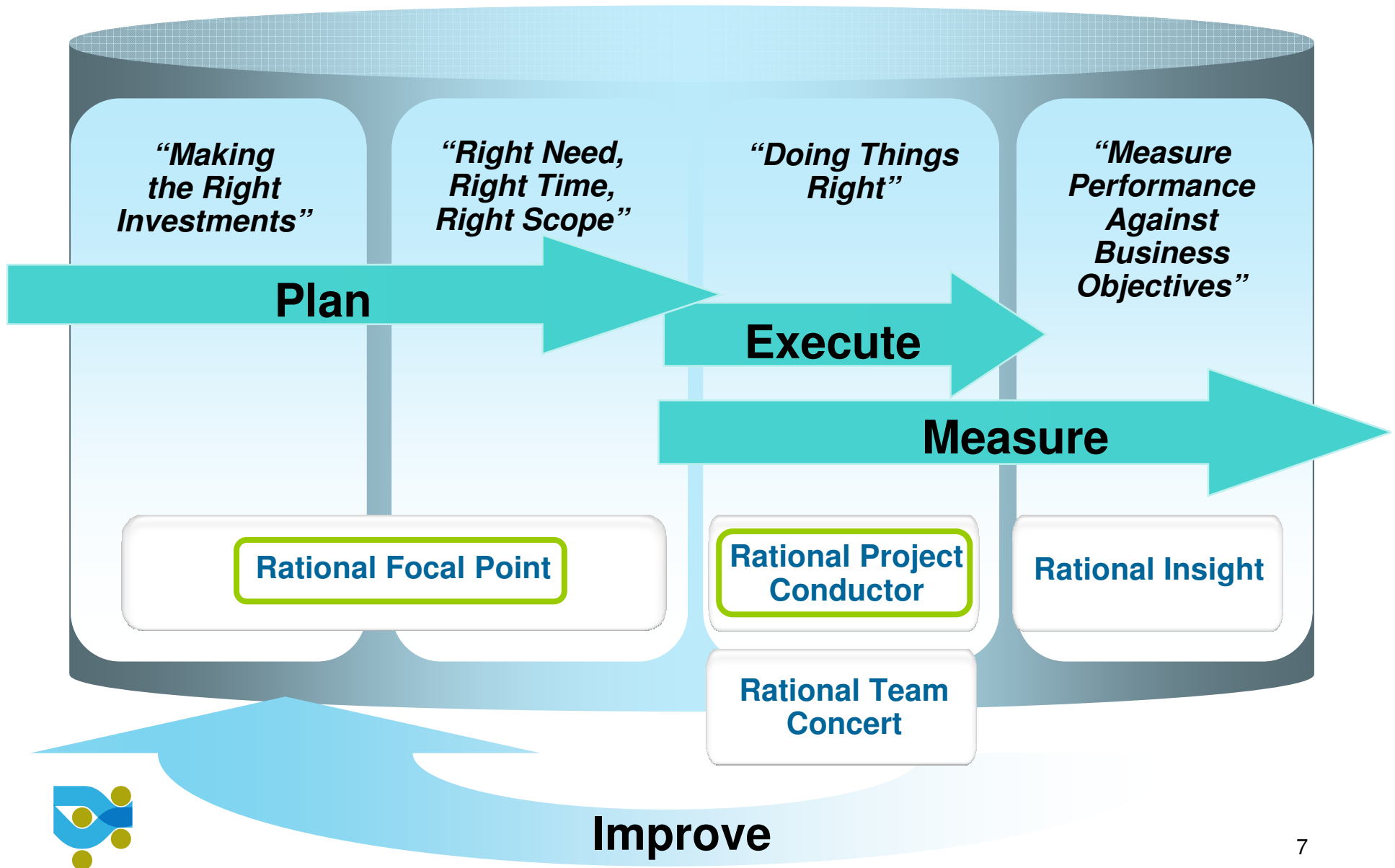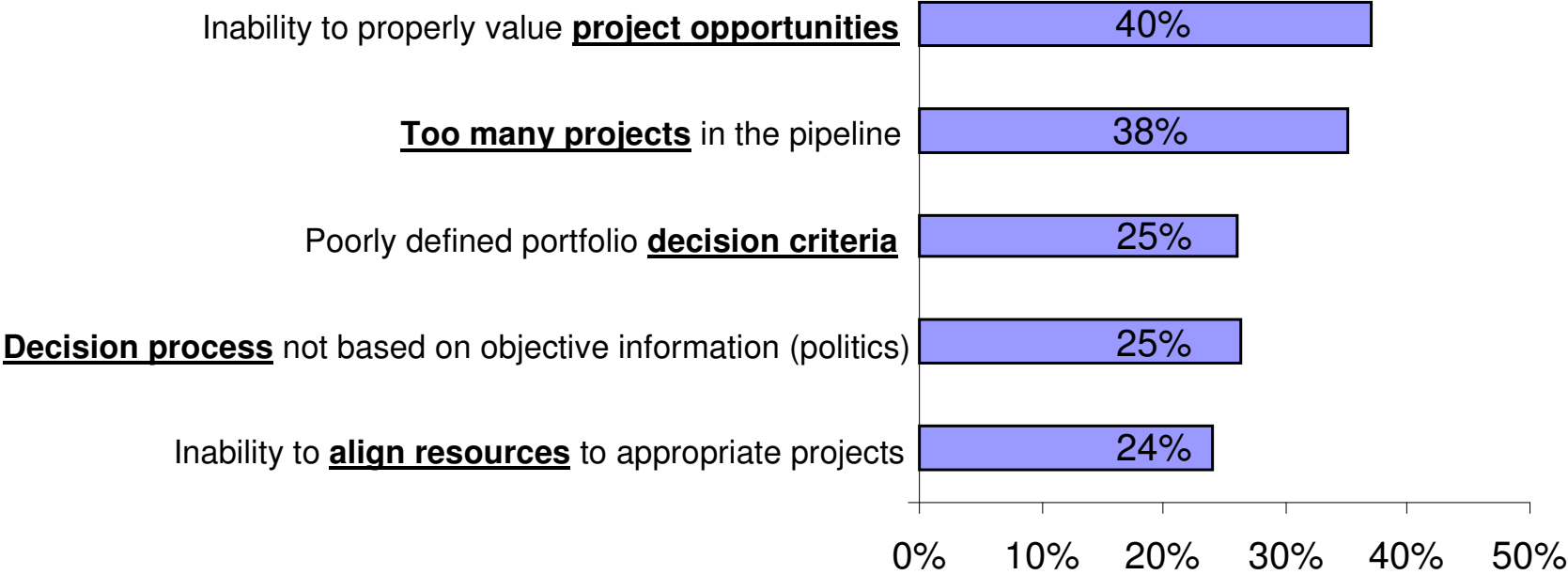
jazz TEAM SERVER

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IBM's Project, Portfolio and Performance Management

Plan — "Making the Right Investments" → "Right Need, Right Time, Right Scope"

Execute — "Doing Things Right"

Measure — "Measure Performance Against Business Objectives"

Rational Focal Point

Rational Project Conductor

Rational Insight

Rational Team Concert

Improve

Top Challenges of Improving Project Portfolio Management

Inability to properly value **project opportunities** — 40%

Too many projects in the pipeline — 38%

Poorly defined portfolio **decision criteria** — 25%

Decision process not based on objective information (politics) — 25%

Inability to **align resources** to appropriate projects — 24%

0% 10% 20% 30% 40% 50%

Source: AberdeenGroup, August 2009

Project Portfolio Management – Best Practices

Analyze balance capital and resource allocations across the enterprise portfolio

Collaborate with customers and partners to set priorities

Manage multiple products and product lines

Portfolio Management

Customer Management

Idea Management

Program Management

Project Management

Manage ideas – big or small - from inception to project execution

Manage project plans, roadmaps, offerings and scope

9

Project Portfolio Management with IBM Rational Focal Point

Capture High Level Requirements

- o Approval processes

Value-Based Selection

- o Decision support – prioritization

Project Investment Visibility

- o Manage and monitor your investments
- o Release management

Collaboration

- o Full web-based collaboration with customers and internal users
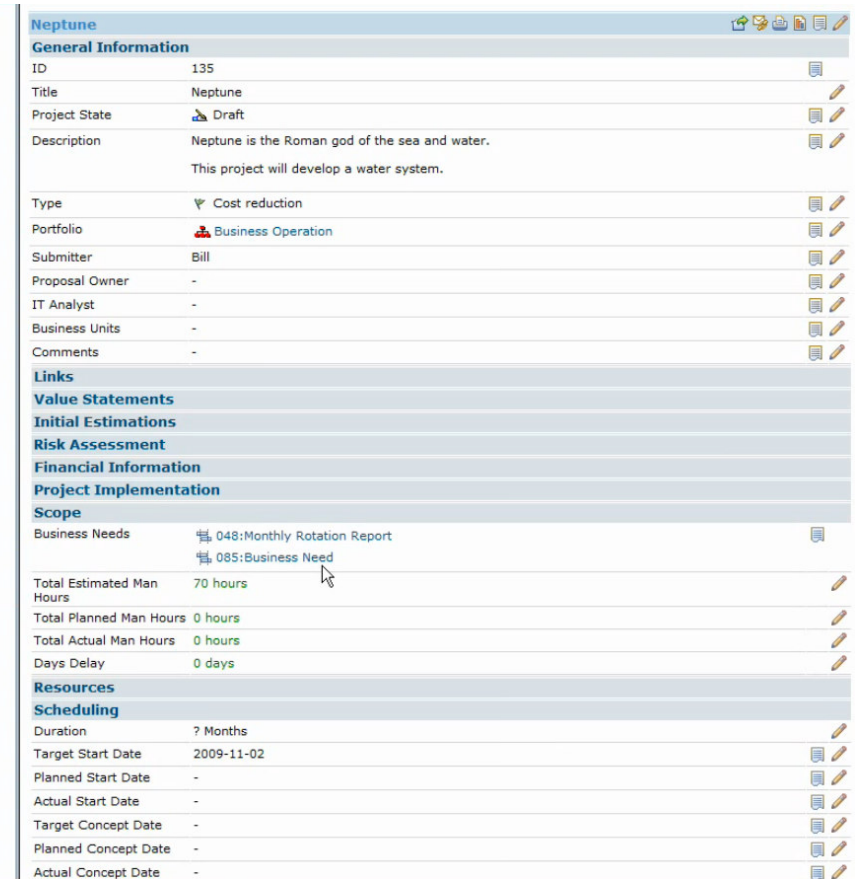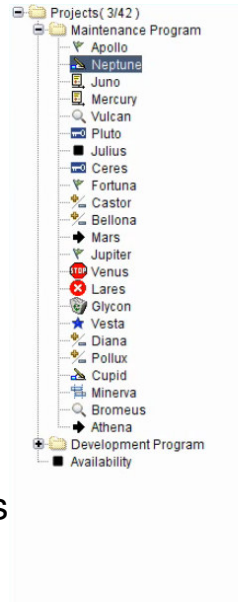
IBM Rational Focal Point - Dashboard

IBM Rational Focal Point - Report

4 dimensions bubble chart
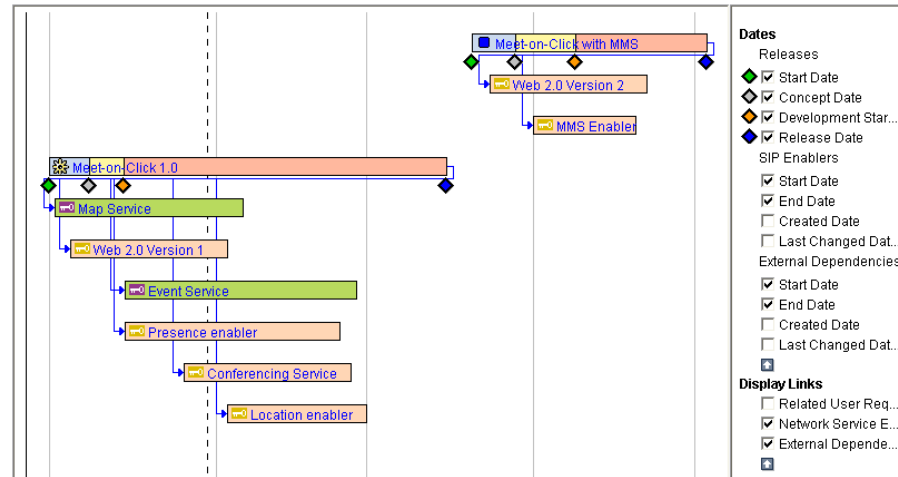
Roadmap with identification of dependencies
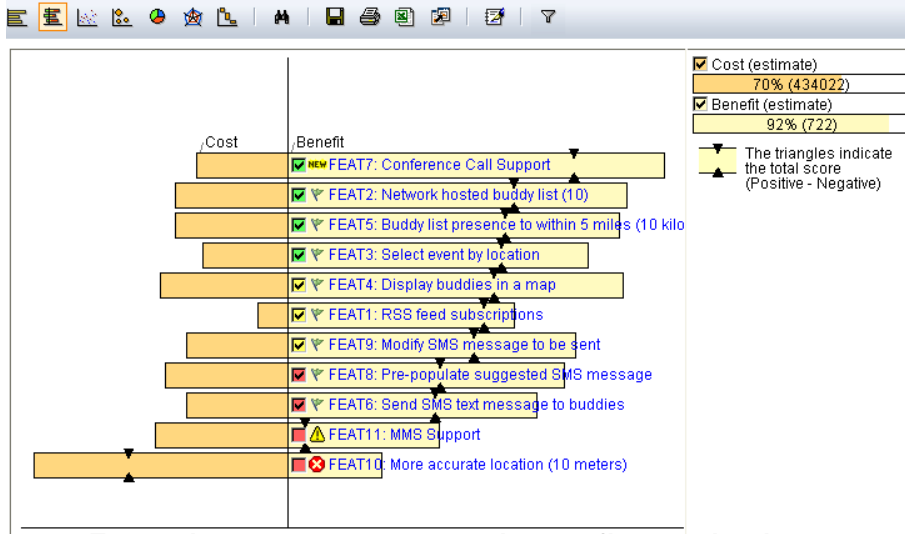
Requirement cost vs. benefit analysis
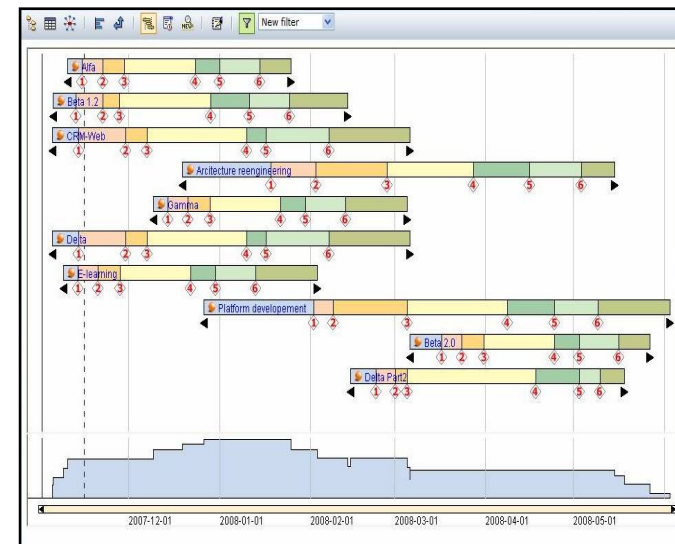
Resources utilization

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Project Execution - the continuing challenge
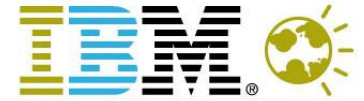
- Collaboration with a global distributed teams
- Select the "right" method and process
- Match project demand with resources
- Get project status
- Managing constant change

"If your management tells you to do a project on Time, on Cost and In scope, just tell them that the project will fail…"

IBM Rational Project Conductor Features

Web client interface

Project Management

- Project Planning & Execution, Gantt Chart
- Effort and Duration Based Scheduling and Tracking
- Support for Agile & Traditional Projects
- Task dependencies and constraints
- Creation of Projects from Templates
- Simple algorithm for Scheduling
- Time Reporting
- Risk Management
- Project Dashboards
- Basic Project Finance - *Defining Resource Rates and Managing Budgets and Costs*

Basic Program Management

- Program Definition
- Project inter dependencies
- Program Dashboards

Scope Management - CRs, Requirements, Defects (CRD)

- Basic CRD Definition
- Scheduling and execution of WBS elements associated with CRDs

Resource Management

- Resource Pools / Competencies
- Resource Allocation across projects
- Resource Assignments to Tasks

Integrations

- Integration with RTC2.0
- Analytical Reporting through Rational Insight 1.0
- MS Project XML Import – Export
- Integration with Focal Point
- Integration with Document Management Systems
- Integration with Third Party estimation tools

Document Management

- Basic document storage capability

Customization

- Custom Views /Fields

Infrastructure

- Web UI, LDAP, Role based Security

Manage all projects in a single location

- Manage cross-project dependencies

- Analyze cost, scope and time to completion inputs to capture risks

- Enable "collaboration in context"

Only one repositories for project and resources

Align the right resources to the right role
Optimize resource management

- Identify resources based on skills, competency, and availability across the portfolio

- Assign resources to a project work elements

All the resources are knows across the portfolio

Managing risk by securing project delivery
Multi-faceted risk management and mitigation

- Manage execution risks across several dimensions

- Track probability, severity, priority, mitigation activities

- Develop schedule buffers to overcome poor mitigation plans

Analyze the impacts and prioritize the risk

Defining and tracking work where it's done
Integrate and direct flow of information up and down the lifecycle

- Decompose high-level requirements into lower-level tasks

- Task status are directly handled by the team within the context (Eclipse, Visual Studio, Web, …)

- When needed, provide time sheets to internal and external teams

No more chasing project & task status

Integrates with team collaboration systems

Project Manager

Rational ClearQuest
Rational Change

JIRA

Change Management

Quickr™

Microsoft Office SharePoint Server 2007

SUBVERSION

CVS

Configuration Management

Rational ClearCase

Rational Synergy

Requirements

Rational DOORS
Rational RequisitePro

Rational Requirements Composer

Quality

Design and development

eclipse

Rational Quality Manager

HP Quality Center

Microsoft Visual Studio

web 2.0

Demo: **Rational Project Conductor**

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Resources

http://jazz.net

- **Video:** Demonstration to show the link between portfolio management with the project execution:
    - http://jazz.net/library/video/354/

- **Video:** IBM Rational Project Conductor overview
    - http://publib.boulder.ibm.com/infocenter/repmhelp/v1r0m0/index.jsp?topic=/com.ibm.rational.epm.product.tour.toc/topics/epm_tour_launchpoint.html

- Managing the Innovation Portfolio - Aberdeen Group 2009
    - http://www.aberdeen.com/summary/report/benchmark/6097-RA-product-innovation-portfolio.asp

Conclusion

Collaboration between project planning and execution is key to project success

- *Planning:* Rational Focal Point
- *Execution:* Rational Project Conductor