

IBM Rational Software Development Conference 2008

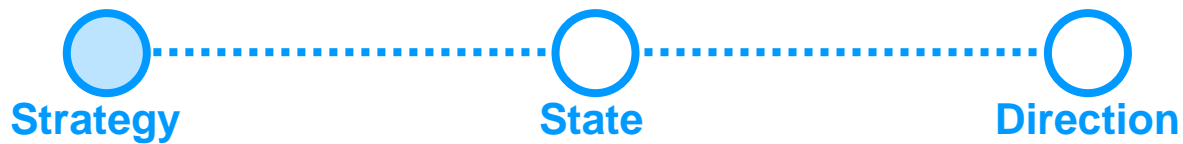
WHERE TEAMS ARE **R-HEROES**



Quality in Action Kickoff

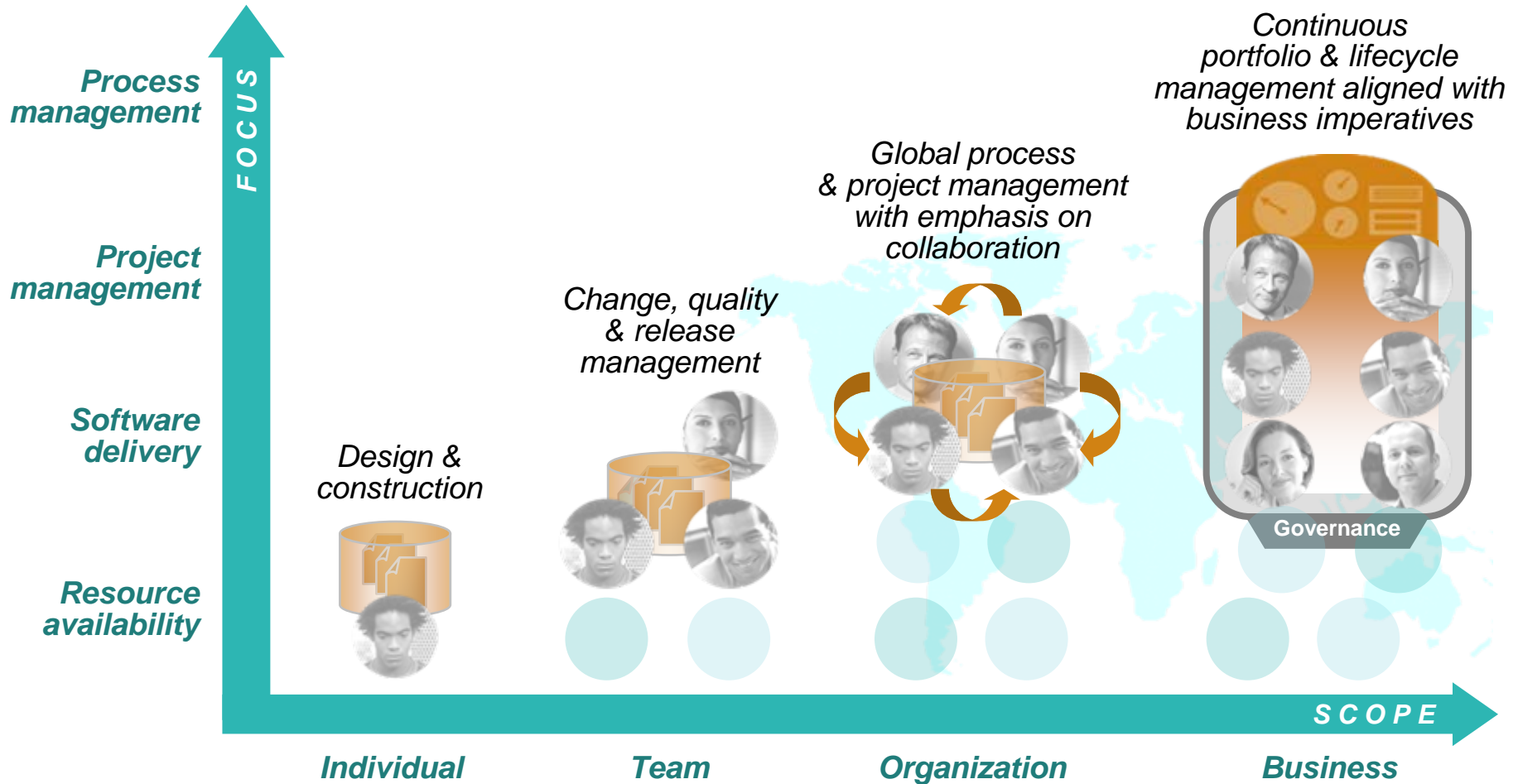
Kedar Walimbe
Technical Sales Manager, IBM Rational software

Today's Agenda



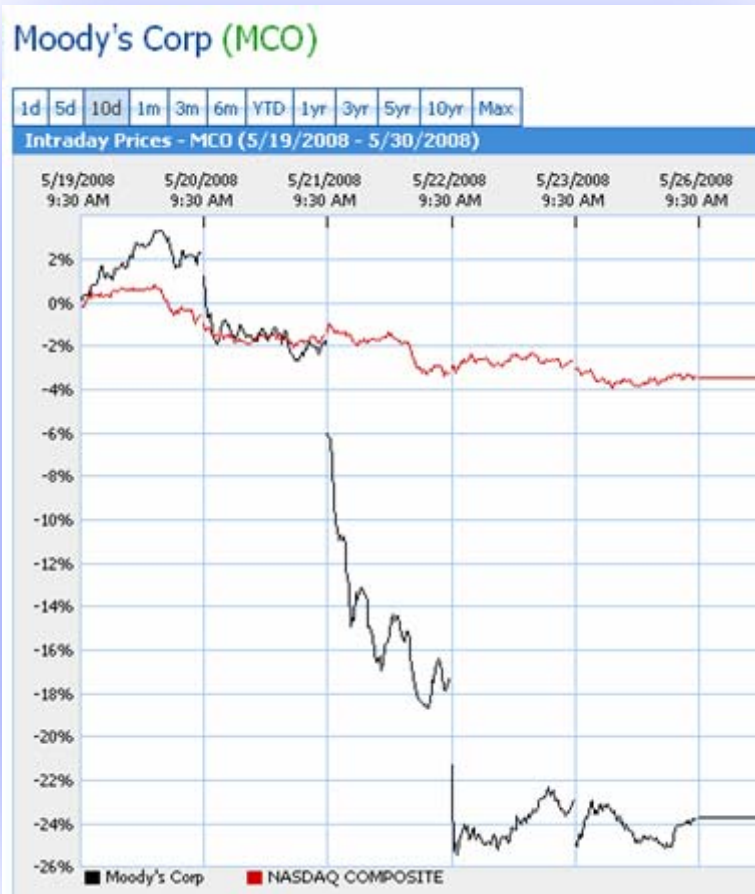
The evolution of customer priorities

Driving the convergence of business drivers and software delivery



The Cost of Software Failure

Moody's Investment Services' \$1.7 billion dollar defect



- Software bug incorrectly assigns positive safe credit ratings to \$4 Billion of high risk complex debt securities
- Moody's market value tumbles \$1.7 Billion in one day
- Los Angeles Times:
 - “Investors are petrified that the company could be charged with fraud.”

Los Angeles Times | Business

You are here: [LAT Home](#) > Business

Bond grader Moody's stock dives on fear of ratings fraud

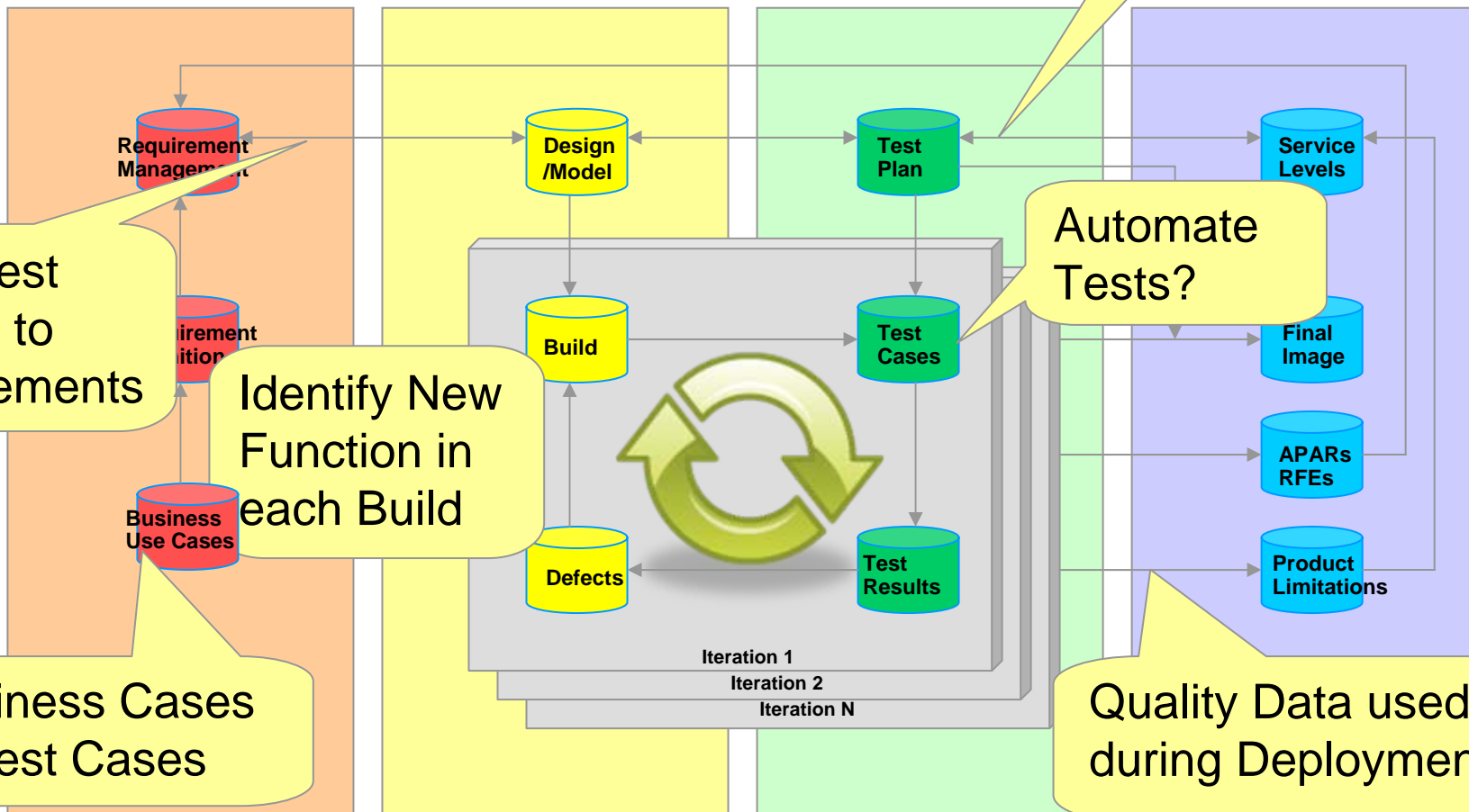
11:23 AM, May 21, 2008



The Application Development Lifecycle

Leverage data to make workflows more efficient, addressing customer integration pain points

Requirements Development Testing Production



Link Test Cases to requirements

Identify New Function in each Build

Automate Tests?

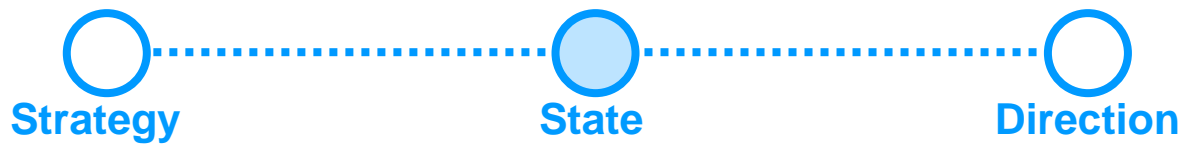
Meet Exit Criteria?

Business Cases to Test Cases

Quality Data used during Deployment.

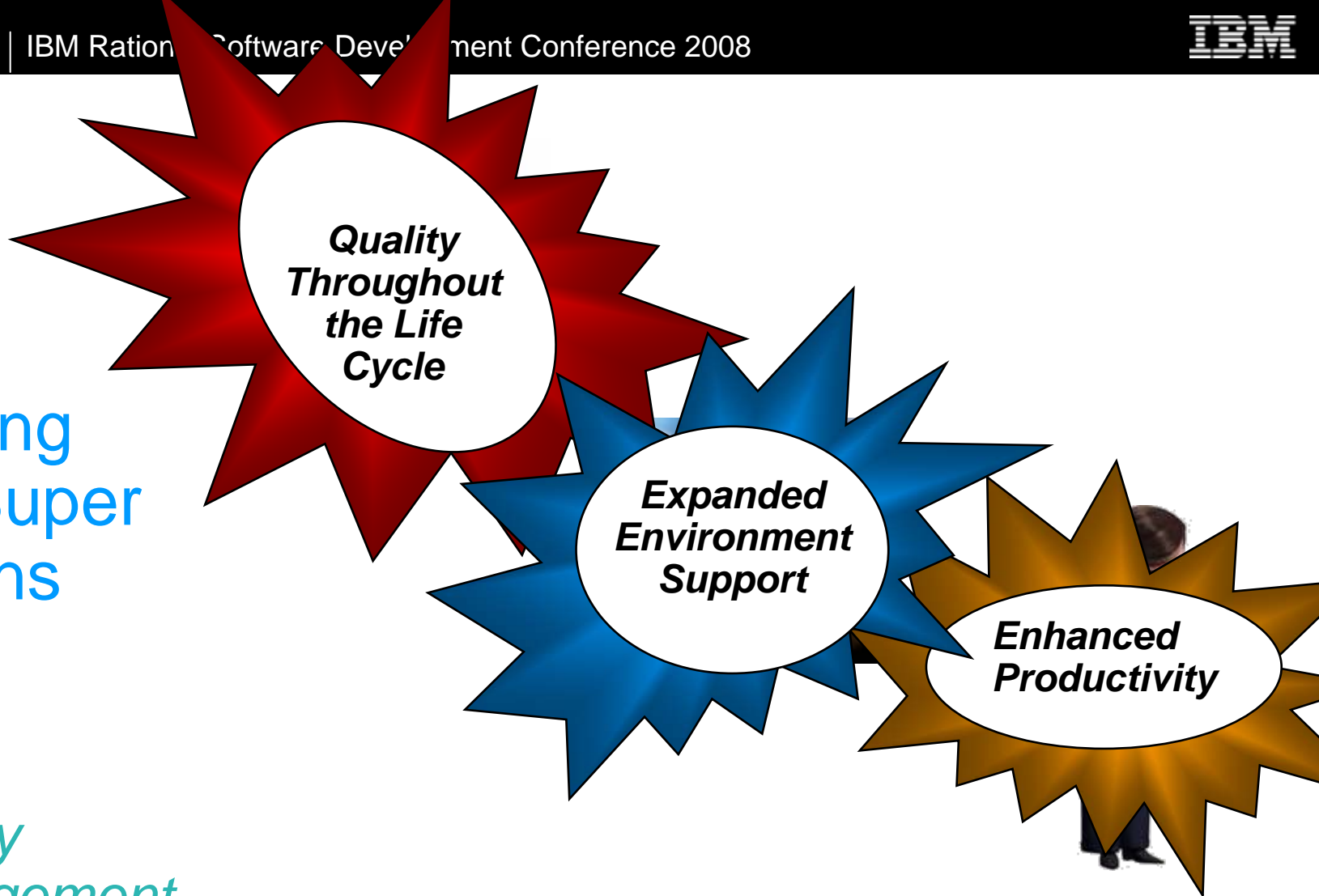


Today's Agenda

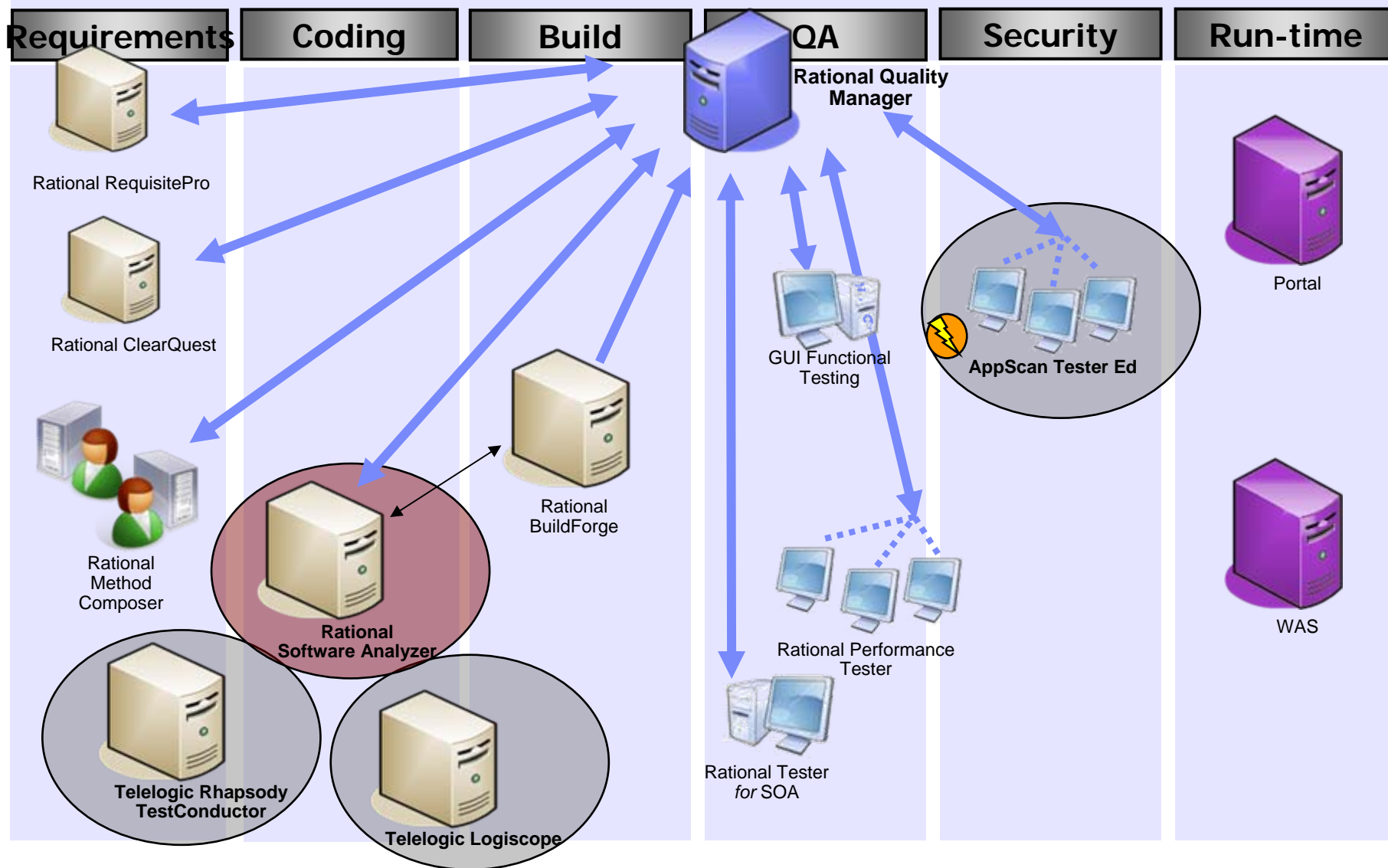


Battling the Super Villains

Quality Management updates 2007 - 2008



Quality Throughout the Life Cycle



Siebel

Version 7.9 & 8.0



Expanded
Environment
Support



Oracle Forms GUI Proxy

New



SAP JCo Batch Tests

Unequaled Scalability



*Packaged
Applications*



- Web 2.0

Expanded Environment Support



Flex

Functional GUI testing



AJAX

Functional GUI testing



SOA

RESTful Architectures SOAP 1.2
MQ Transport Custom security



- Proxy and Protocol Extensions

Expanded Environment Support



Session Initiation Protocol (SIP)

Instant Messaging, Gaming, Telco



TCP/IP Socket Protocol

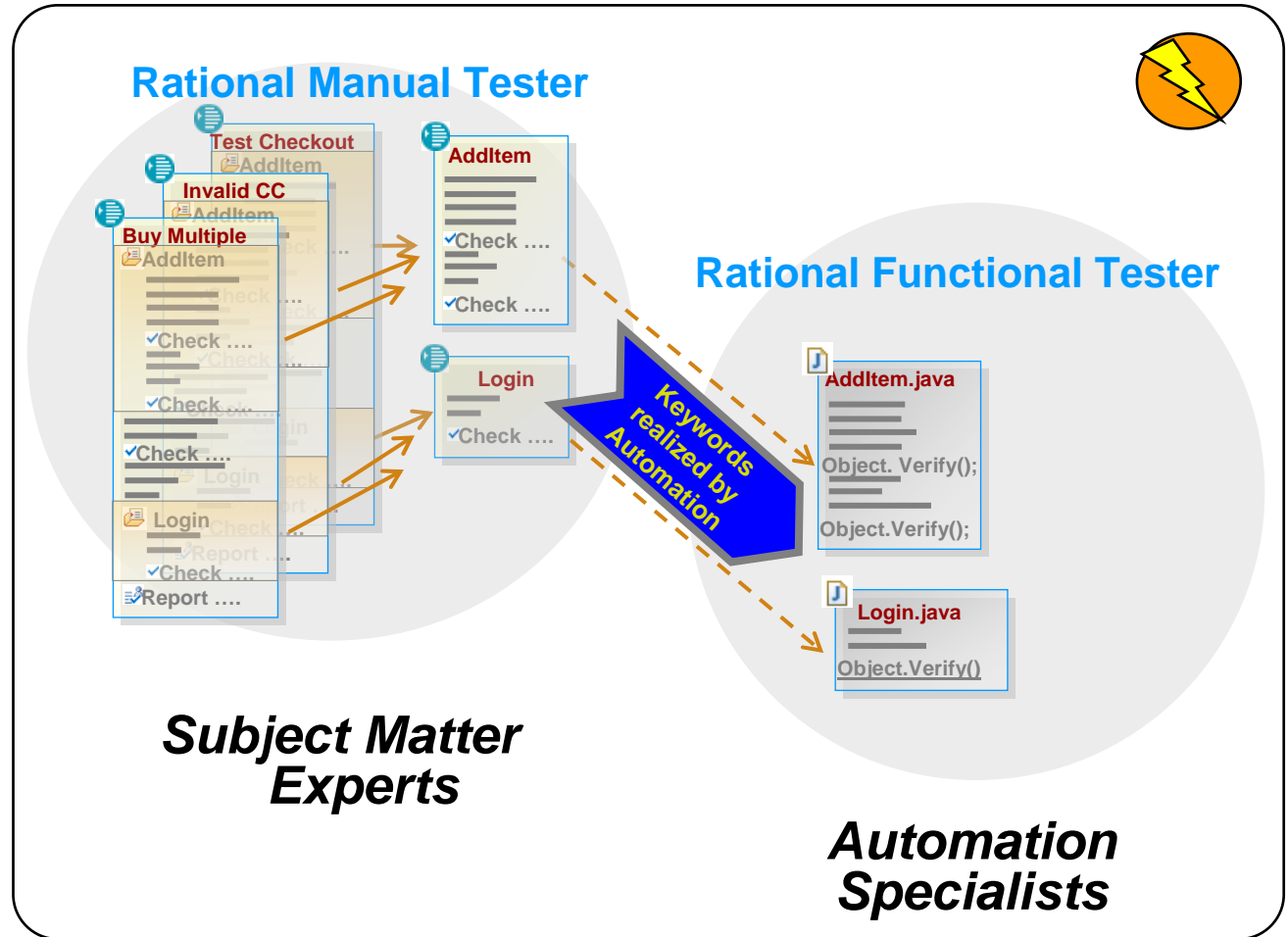
Performance testing



GUI Control Proxy SDK



- Keyword testing
Enhanced
Productivity



Enhanced Test Debugging

Live Browser Rendering



Playback speed

Adjust HTTP request delays:

Shorter Normal Longer

Play at normal (recorded) speed

Increased Productivity

Multi-staged schedule loads

The screenshot displays the Rational Performance Tester interface for configuring a performance schedule. The window title is "Test - EoYSimulation - Rational Performance Tester". The main area is titled "Performance Schedule - EoYSimulation".

Schedule Contents: A tree view on the left shows the hierarchy: EoYSimulation > Account Holders (80%) > AccountCheck; Browsers (15%) > AccountCheck; New Customers (5%) > AccountCheck. Control buttons include Add, Insert, Remove, Up, Down, Prev, and Next.

Schedule Element Details: A table lists the configured load elements:

Users	Stage Durat...	Change Rate	Settle Time
5	10 Minutes	One/10 Seconds	30 Seconds
10	15 Minutes	One/5 Seconds	30 Seconds
20	20 Minutes	One/12 Seconds	30 Seconds
1	1 Minute	One/5 Seconds	30 Seconds

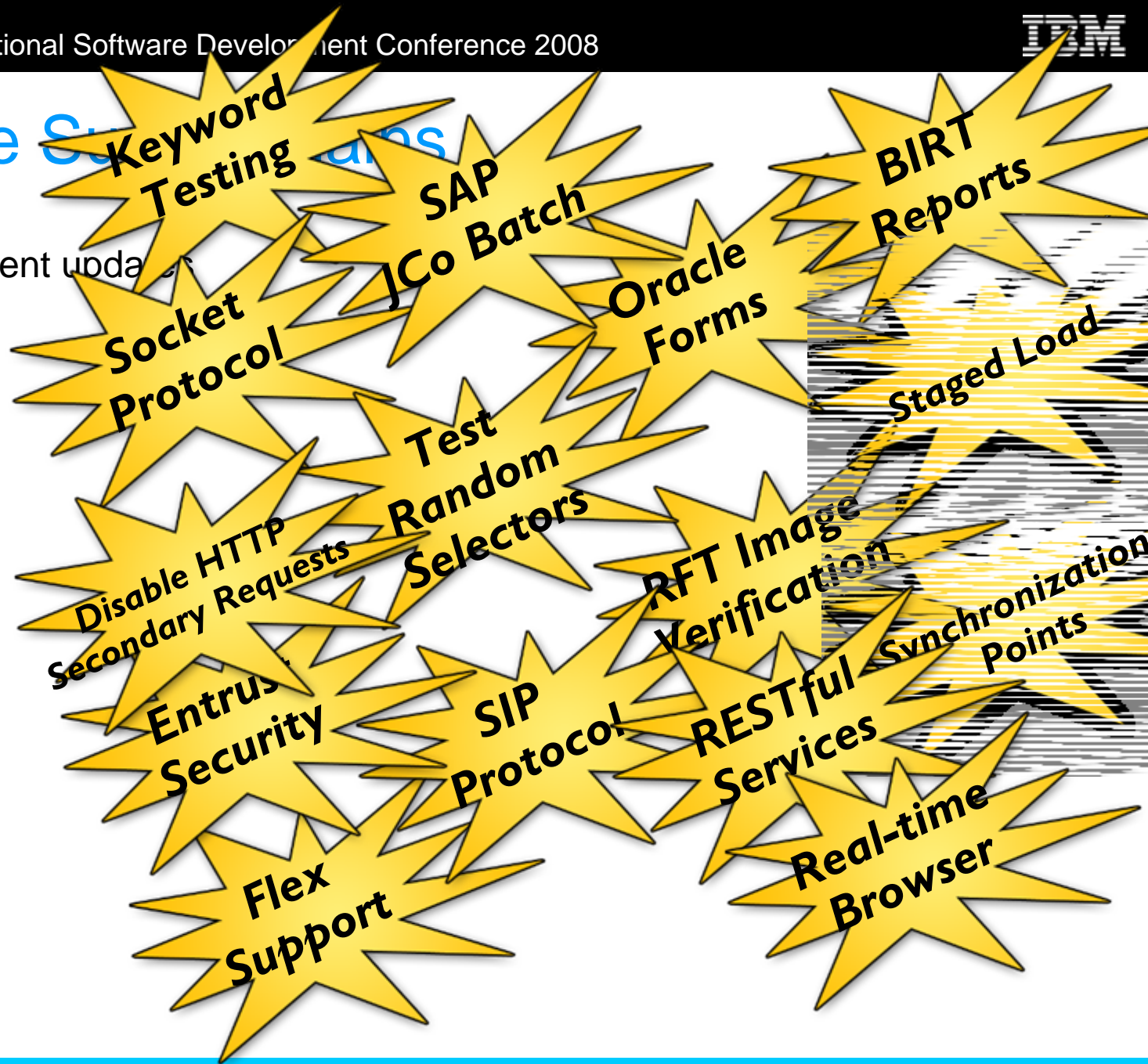
Additional options include "Show Advanced" (checked) and "Time limit for a user to respond to a stop request: 30 Seconds".

User Load Preview: A line graph showing the number of users over a 60-minute run duration. The user count starts at 0, rises to 5 at 5 minutes, to 10 at 10 minutes, to 20 at 15 minutes, remains at 20 until 55 minutes, and then drops to 0.

At the bottom, a status bar shows "Change number of users from 10 to 20", "Enabled", and "Writable". The Windows taskbar at the very bottom shows the Start button, system tray, and the time 1:15 PM.

Battling the Storm

- Quality Management updates
2007 - 2008

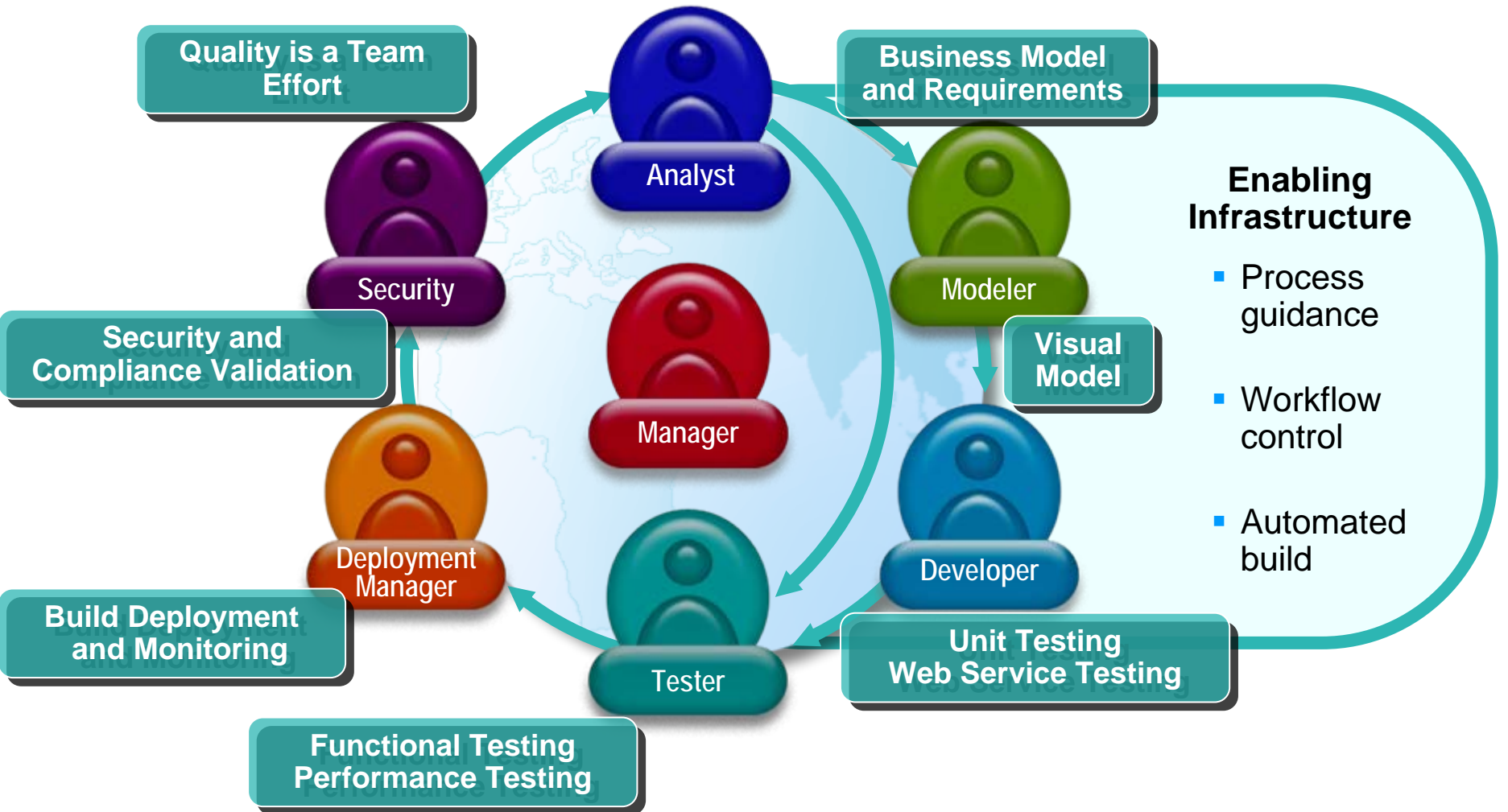


Today's Agenda



Quality management in action

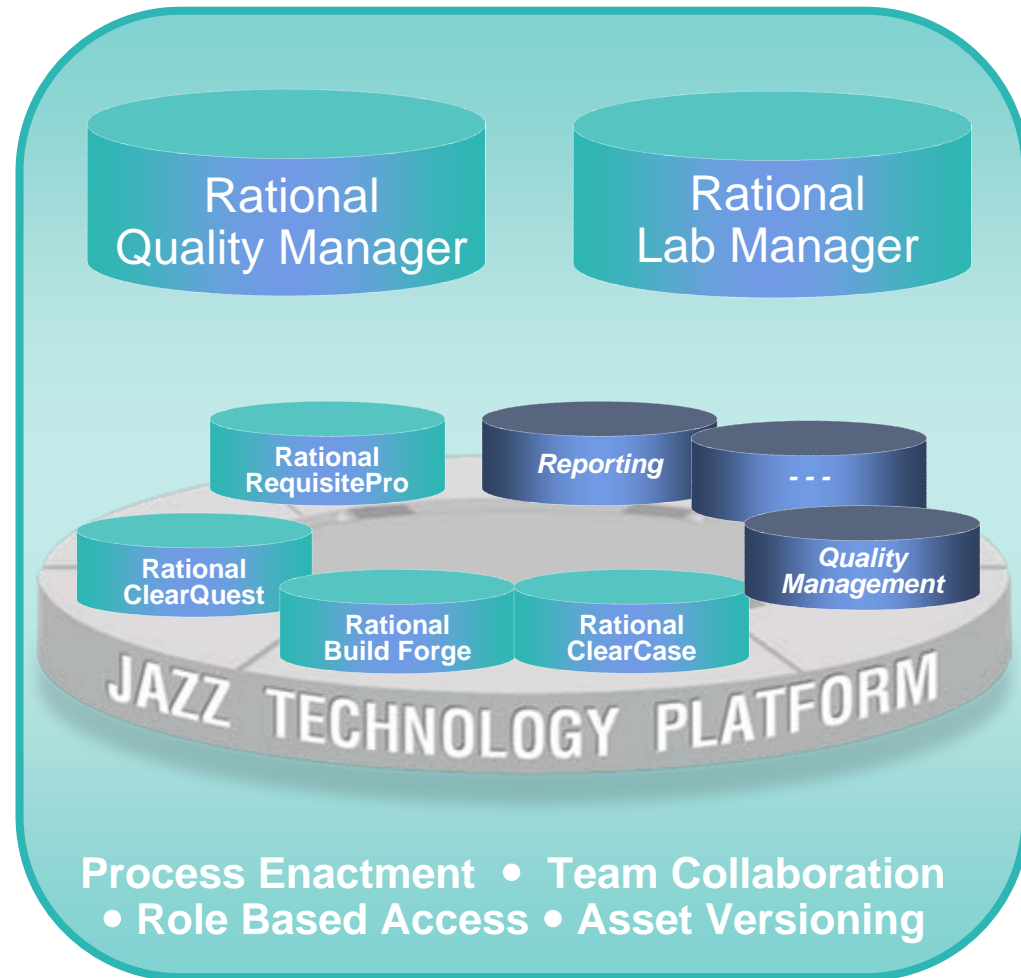
Continuous process, powered by automation to govern software delivery



New Quality Management Tools

For Collaborative Quality Driven Software Delivery

- Web based solution for test and test lab management
- Align quality with business strategy
- Open and accessible test management platform
- Web Access for launch and control of testing tools
- Built on Jazz Platform



Quality in Action: Rational Quality Manager

Quality Management for the enterprise or the enterprising



The screenshot shows a web browser window displaying the Rational Quality Manager interface. The browser is Mozilla Firefox. The page title is 'Rational Quality Manager' and it shows a user 'Katie' logged in. The dashboard is personalized for 'Katie's Home' and includes several key sections:

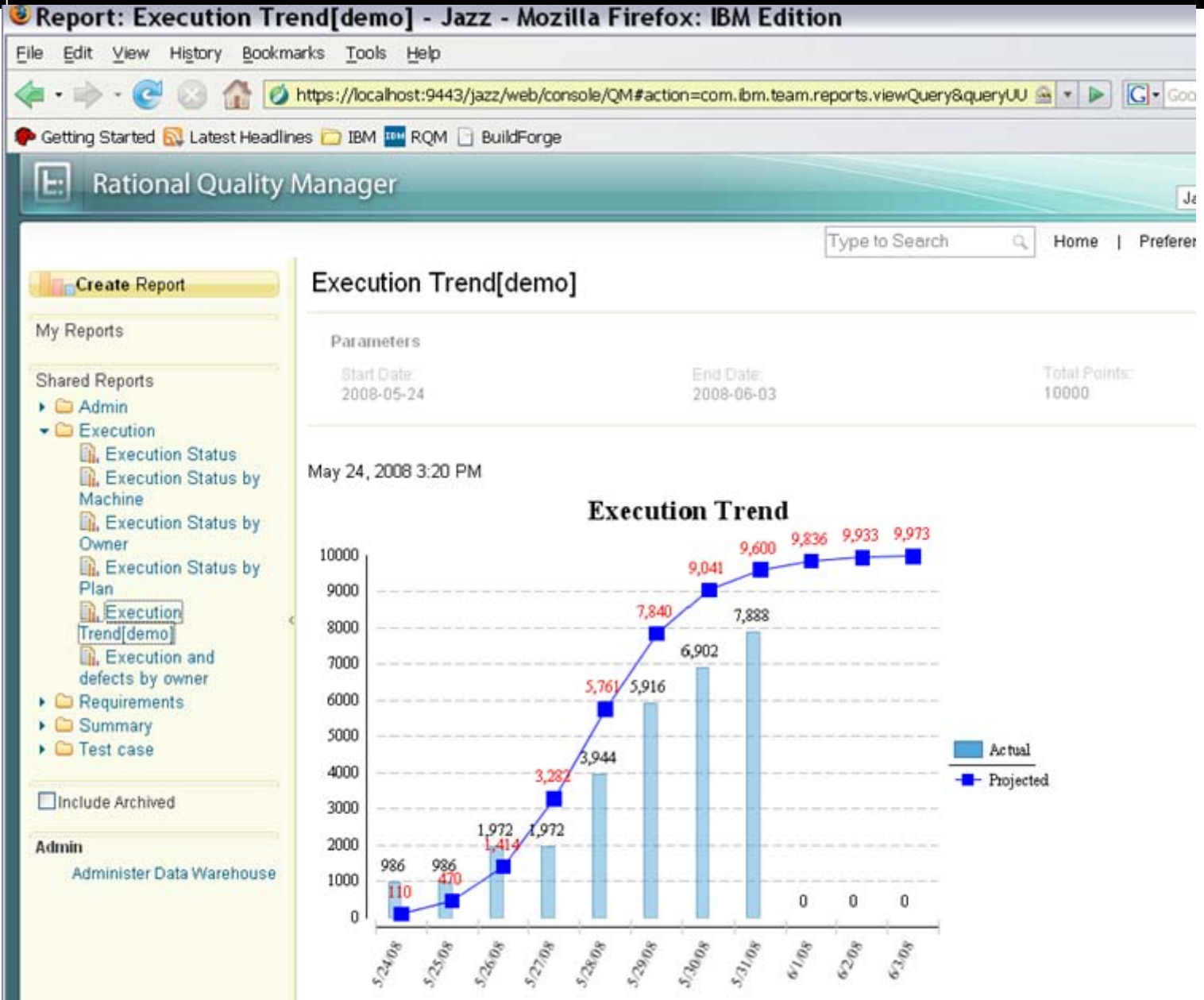
- My Tasks:** Lists tasks categorized by 'Newly Assigned (3 Items)', 'Today (3 Items)', and 'Future (1 Item)'. Tasks include 'Verify Build Verification test', 'Review Properties Test Case', and 'Complete GUI Install Test Plan'.
- Event Log:** A list of system events such as 'Build 0986 has successfully finished', 'Machine 0892-x2 has been reserved', and 'Build 0965 is ready'.
- Team Load:** A bar chart showing the workload for team members: 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), and Uma Requester (21 items assigned, 15 complete, On Time).
- Overall Progress:** A line graph showing 'Test Case Points' over time from Jan 01 to Feb 26. It compares 'Projected Complete' (grey line), 'Projected Attempted' (blue line), 'Actual Complete' (green line), and 'Actual Attempted' (orange line).
- Milestone:** A progress bar for 'Project ABC Milestone 4' starting on Nov. 15, 2007, and targeting an end date of Dec. 31, 2007. The status is 'Behind'.

The footer of the dashboard includes the IBM logo, copyright information '© IBM Corporation 1996, 2007', and the text 'Powered by jazz'.

Contextual Collaboration

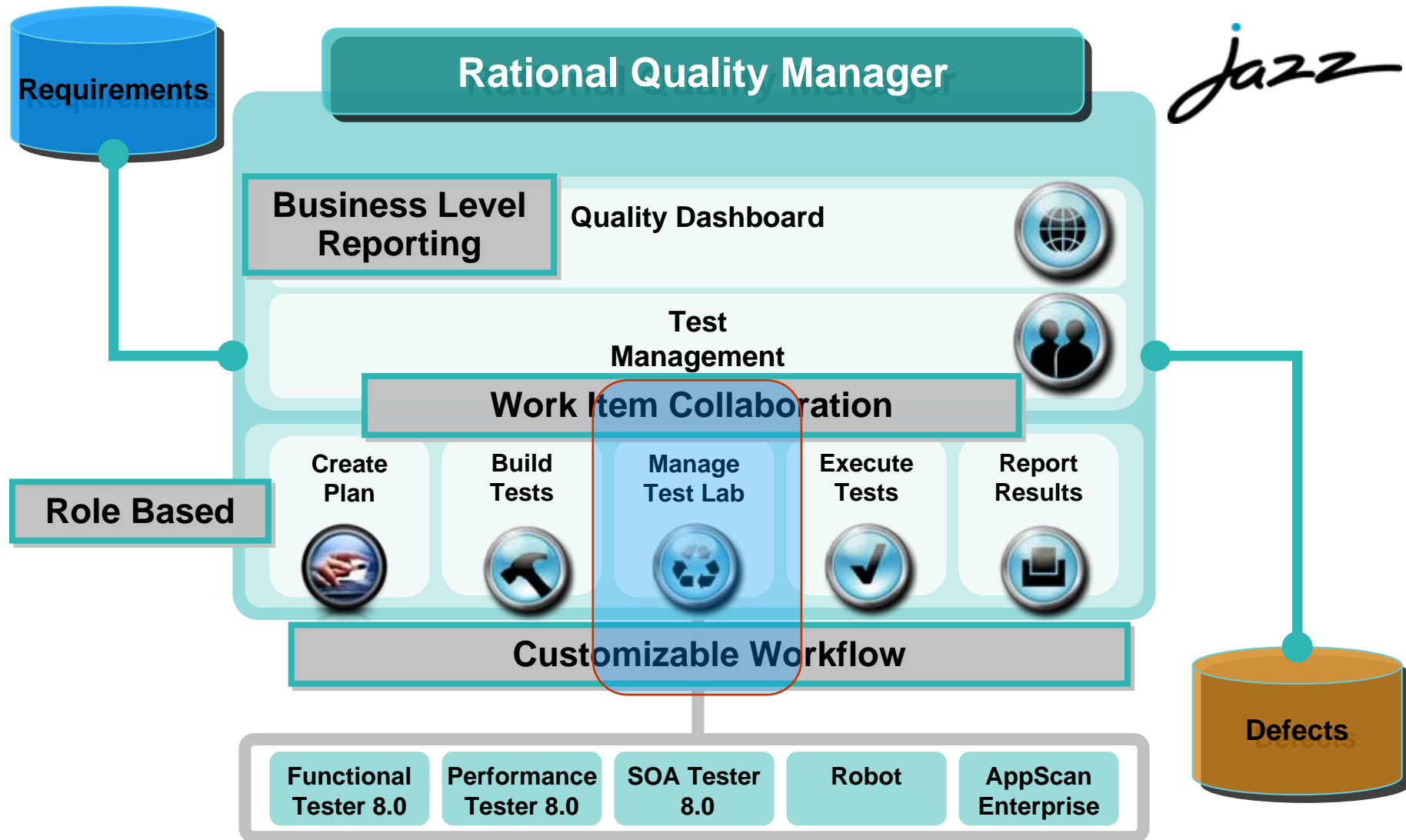
Customized dashboard provides information you need to get your job done

Project Dashboard and Reports



Quality in Action: Rational Quality Manager

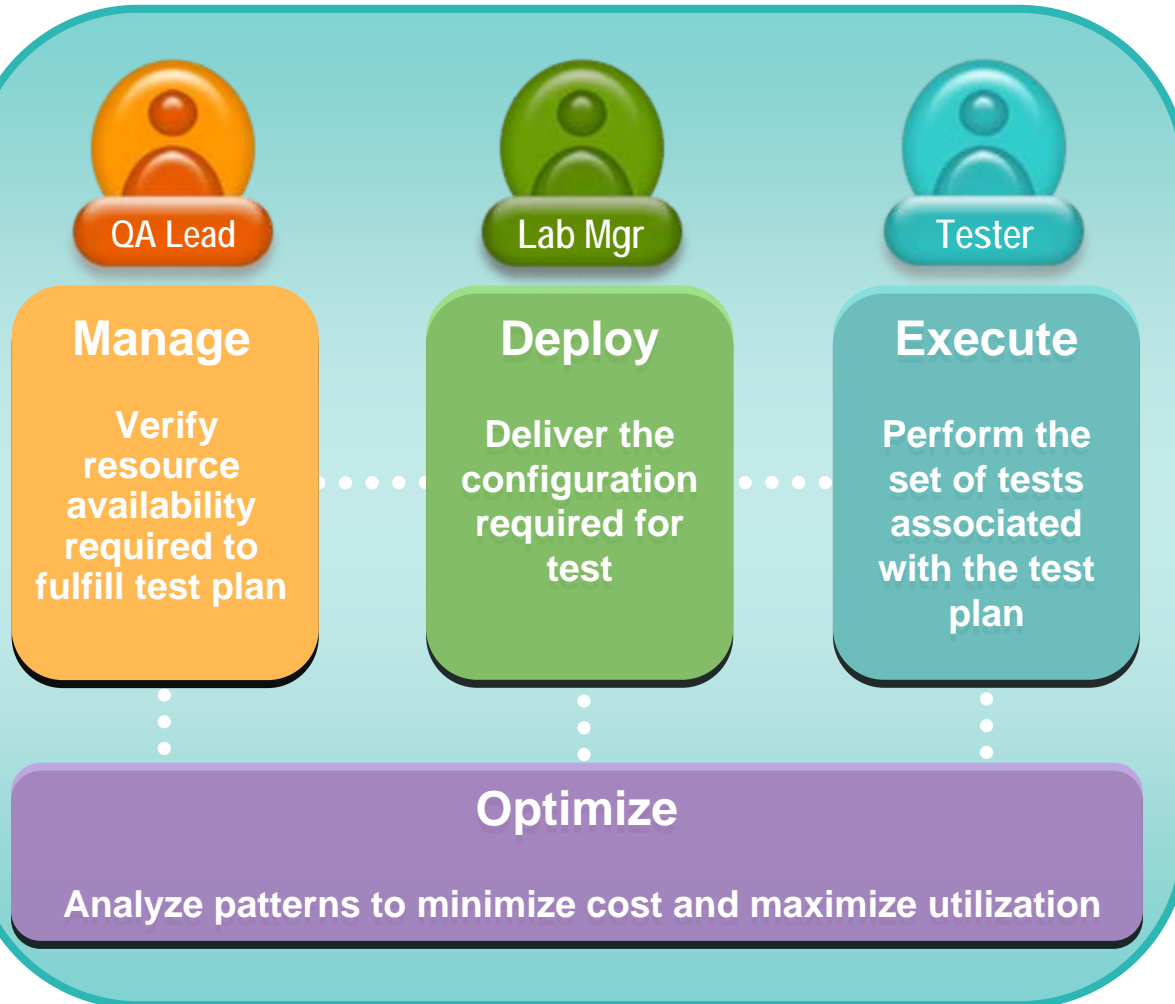
Collect, Execute and Inform for Quality Driven Software Delivery





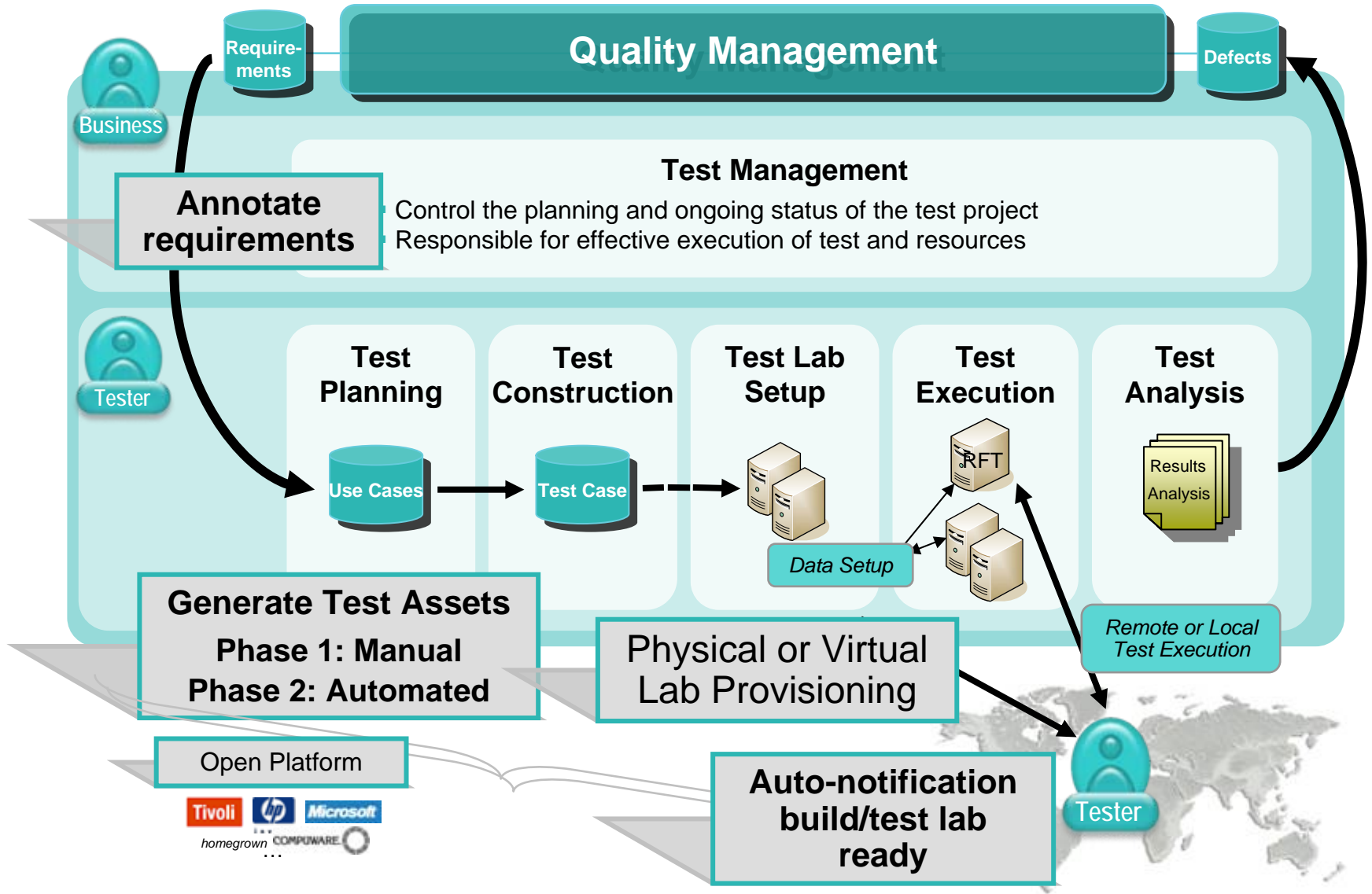
IBM Rational Test Lab Manager

Manage, Deploy and Execute test lab resources to accelerated testing

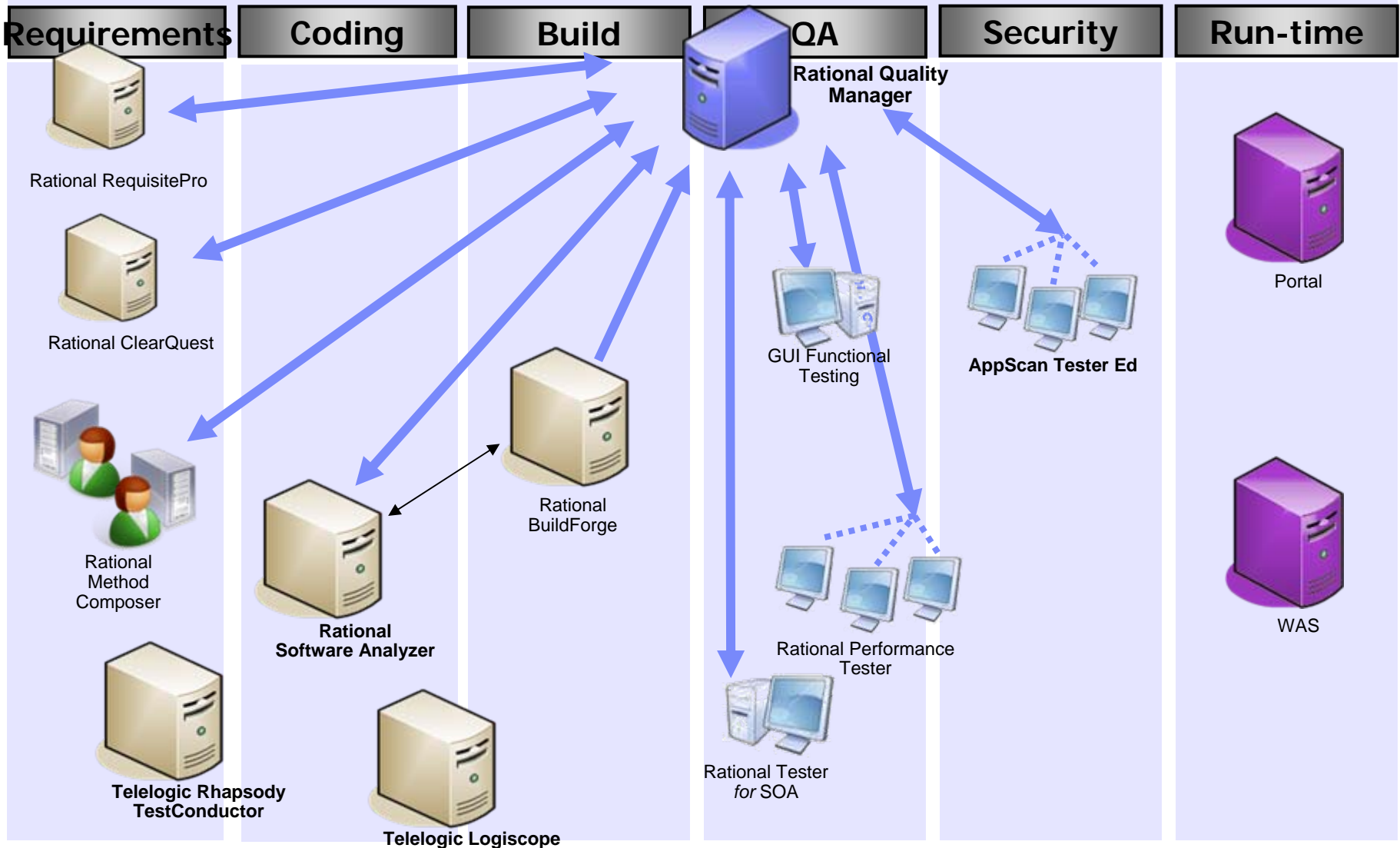


- A centralized asset inventory
- Automation tasks accelerate the delivery of test configurations
- Asset reservation system
- Utilization metrics
- Integration of physical and virtual systems maximizes flexibility

Quality in Action: Rational Quality Manager



Quality Throughout the Life Cycle



Special Announcement:

Open Beta Program

- Rational Quality Manager
- Rational Test Lab Manager
- Rational Functional Tester
- Rational Performance Tester
- Rational Service Tester for SOA Quality

**June
24th**

<https://www14.software.ibm.com/iwm/web/cc/earlyprograms/rational/QMOpen/>





THANK YOU

- **Learn more at:**
- [IBM Rational software](#)
- [IBM Rational Software Delivery Platform](#)
- [Process and portfolio management](#)
- [Change and release management](#)
- [Quality management](#)
- [Architecture management](#)
- [Rational trial downloads](#)
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QUESTIONS





**THANK
YOU!**

