

IBM Rational solution for Collaborative Lifecycle Management



IBM Middleware Portfolio

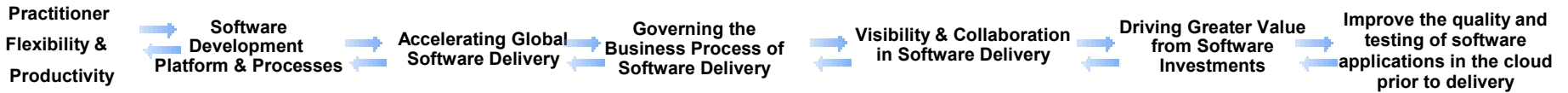
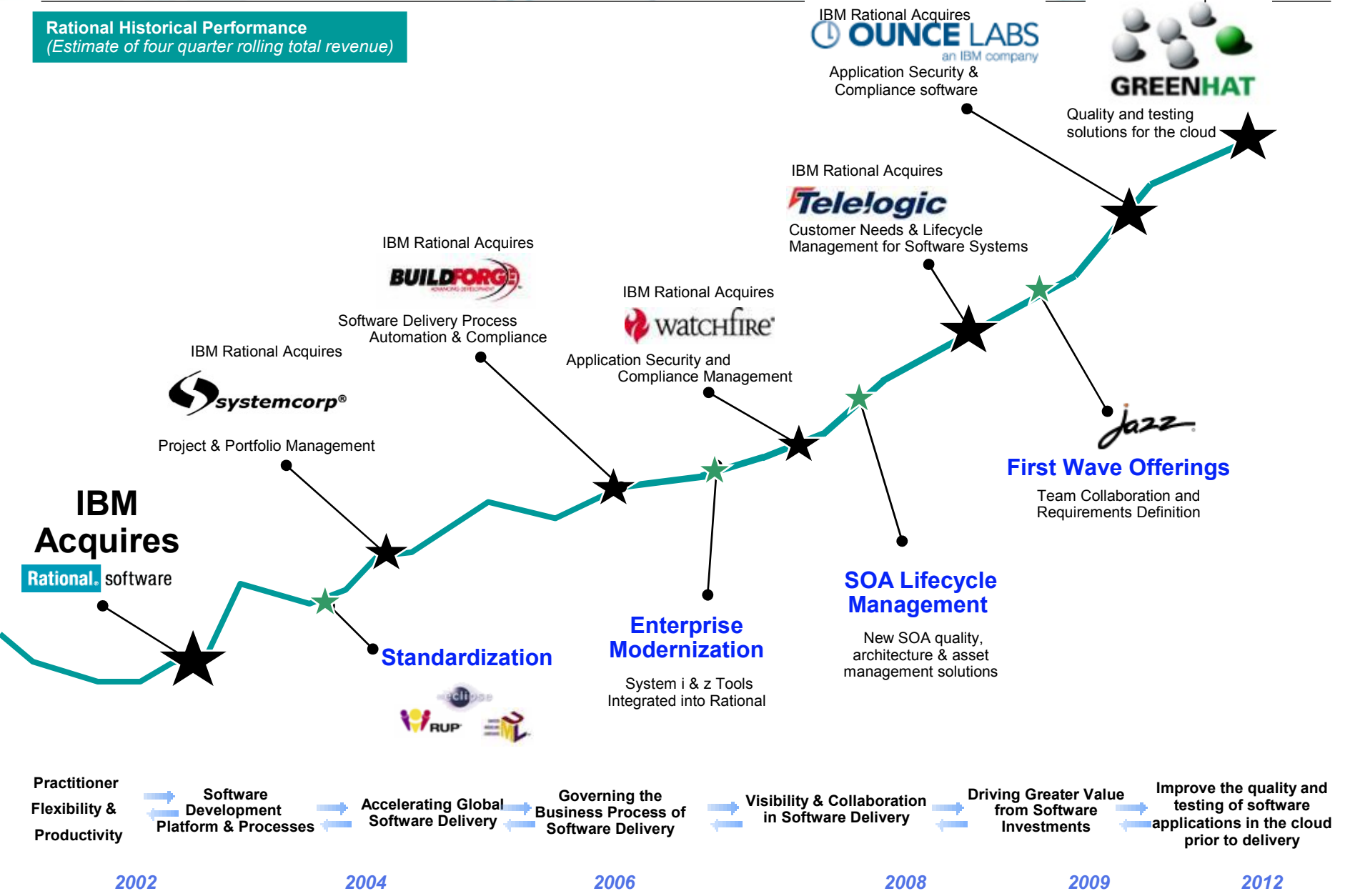


Software and System Development Rational software	Integration and Application Infrastructure WebSphere software	Integrating Data and Content Information Management software	Collaboration and Access Lotus software	IT Service Management Tivoli software
<p>Architecture, Design and Construction</p> <ul style="list-style-type: none"> - Rational Software Architect - Rational System Architect - Rational Application Developer - Rational Business Developer Extension - Rational Systems Developer - Rational Rose Family - Rational Software Modeler - Rational Asset Manager - Rational Rhapsody <p>Quality and Security Management</p> <ul style="list-style-type: none"> - Rational Tester for SOA Quality - Rational Functional Tester - Rational Performance Tester - Rational Manual Tester - Rational PurifyPlus - Rational Test RealTime - Rational AppScan Family - Rational Policy Tester Family - Rational Robot - Rational Quality Manager Family <p>Project and Portfolio Mgmt.</p> <ul style="list-style-type: none"> - Rational Portfolio Manager - Rational Method Composer (includes Rational Unified Process) - Rational Team Unifying Platform - Rational Focal Point - Rational SoDA <p>Change and Release Mgmt.</p> <ul style="list-style-type: none"> - Rational Team Concert - Rational ClearCase Family - Rational ClearQuest Family - Rational Build Forge Family - SCLM Family - Rational Synergy <p>Requirements Management</p> <ul style="list-style-type: none"> - Rational RequisitePro - Rational DOORS <p>Enterprise Modernization Tools</p> <ul style="list-style-type: none"> - WebSphere Host Integration Solution Family - WebSphere Host Access Transformation Services - WebSphere Host On Demand - IBM Host Access Client Package Family 	<p>Application Infrastructure</p> <ul style="list-style-type: none"> - WebSphere Application Server (WAS) Family including WAS Community Edition - WebSphere Extended Deployment - WebSphere eXtreme Scale - WebSphere Virtual Enterprise - WebSphere Process Server - CICS Family - WebSphere Cloudburst Appliance <p>Application Integration and Connectivity</p> <ul style="list-style-type: none"> - WebSphere Services Registry & Repository - WebSphere Transformation Extender - WebSphere MQ Family - WebSphere Enterprise Service Bus - WebSphere DataPower Appliances - WebSphere Adapter Family - WebSphere Message Broker Family - WebSphere Partner Gateway <p>Business Process Management</p> <ul style="list-style-type: none"> - WebSphere Business Services Fabric - WebSphere Process Server - WebSphere Business Events - WebSphere Business Modeler - WebSphere Business Monitor - WebSphere Dynamic Process Edition - WebSphere Premises Server - iIog Family <p>Commerce</p> <ul style="list-style-type: none"> - WebSphere Commerce Family <p>Mobile and Speech</p> <ul style="list-style-type: none"> - WebSphere Translation Server - IBM Embedded Via Voice - WebSphere Via Voice Family - Unified Messaging for WebSphere Voice Response <p>Portals</p> <ul style="list-style-type: none"> - WebSphere Portal Server - WebSphere Portal Enable Family - WebSphere Portal Extend - WebSphere Portal Express - WebSphere Portal Factory - Accelerators for WebSphere Portal Family 	<p>Database Servers and Data Mgmt.</p> <ul style="list-style-type: none"> - DB2 Family - IMS - Informix Family - U2 Family - IBM solidDB - DB2 Tools for Multiple Platforms - DB2 Extenders Family - DB2 Connect Family - IMS Tools Family - DB 2 Tools Family - U2 Tools Family - Informix Tools Family <p>Cognos Business Intelligence and Performance Mgmt</p> <ul style="list-style-type: none"> - Cognos 8 Business Intelligence Family - Cognos 8 Gol Family - Cognos Now! - Cognos 8 Controller - Cognos 8 Planning - Cognos TM1 Family - Cognos 8 Workforce Performance <p>Enterprise Content Management</p> <ul style="list-style-type: none"> - IBM FileNet Compliance Framework - IBM FileNet Imago Family - IBM FileNet Capture Family - IBM FileNet Records Manager - IBM FileNet Records Manager - IBM FileNet Email Manager - IBM Content Manager Family - IBM Content Manager OnDemand Family - WebSphere Information Integrator Content Edition - IBM Document Manager - IBM Records Manager - IBM CommonStore Family and eMail Search - OmniFind Family <p>Enterprise Data Management</p> <ul style="list-style-type: none"> - IBM Optim Solutions - IBM Data Studio <p>Information Integration and Master Data Management</p> <ul style="list-style-type: none"> - InfoSphere Entity Analytic Solutions Family - InfoSphere Business Glossary Family - InfoSphere DataStage Family - InfoSphere Global Name Recognition Family - InfoSphere Info Server Family - InfoSphere QualityStage Family - Industry Modals Family - Multiform Master Data Mgmt Family - InfoSphere Warehouse Family 	<p>Appl. Design and Development</p> <ul style="list-style-type: none"> - IBM Lotus Domino Designer - IBM Lotus Enterprise Integrator for Domino - IBM Lotus Connector for SAP solutions - IBM Lotus Workflow - IBM Lotus Expoditor - IBM Mashup Center <p>Portals and Dashboards</p> <ul style="list-style-type: none"> - IBM Lotus Activinsight - IBM Dashboard Accelerator - IBM WebSphere Portal Family - IBM WebSphere Portal Factory - IBM Content Accelerator - IBM Workforce Management <p>E-mail, Calendaring and Collaborative Applications</p> <ul style="list-style-type: none"> - IBM Lotus Domino - IBM Lotus Notes - IBM Lotus Symphony - IBM Lotus Notes Hosted Messaging - IBM Lotus iNotes <p>Unified Communications and Collaboration</p> <ul style="list-style-type: none"> - IBM Lotus Sametime Family - IBM Lotus Sametime Unified Telephony <p>Social Computing and Mashups</p> <ul style="list-style-type: none"> - IBM Lotus Connections - IBM Mashup Center - IBM Lotus Quickr <p>Electronic Forms and Web Content Mgmt</p> <ul style="list-style-type: none"> - IBM Lotus Web Content Management - IBM Lotus Forms - IBM Lotus Forms Turbo - IBM Lotus Domino Document Manager - IBM Lotus Quickr Content Integrator <p>Mobile Collaboration and Wireless</p> <ul style="list-style-type: none"> - IBM Lotus Expoditor - IBM Lotus Mobile Connect - IBM Lotus EasySync Pro - IBM Lotus Notes Traveler - The Blackberry Suite for Lotus Software <p>Software as a Service</p> <ul style="list-style-type: none"> - IBM LotusLive Family 	<p>Security, Risk and Compliance Management</p> <ul style="list-style-type: none"> - IBM Tivoli Identity Manager - IBM Tivoli Federated Identity Manager - IBM Tivoli Access Manager Family - IBM Tivoli Security Compliance Manager - IBM Tivoli Directory Integrator - IBM Tivoli Directory Server - IBM Tivoli Security Operations Manager - IBM Tivoli Security Information and Event Mgr - IBM Tivoli zSecure Family <p>Systems Management</p> <ul style="list-style-type: none"> - Tivoli Monitoring Family - Tivoli OMEGAMON XE Family - Tivoli Netcool/OMNibus - Tivoli Netcool/Webtop - Tivoli Network Manager Family - Tivoli Provisioning Manager Family - Tivoli System Automation Family - Tivoli Composite Application Manager Family - Tivoli Process Manager family - Tivoli Change/Configuration Mgmt DB - Tivoli Configuration Manager - Tivoli License Compliance Mgr Family - Tivoli Workload Scheduler Family <p>Business Application Management</p> <ul style="list-style-type: none"> - Tivoli Business Service Manager - Tivoli Service Level Advisor - Tivoli Intelligent Orchestrator - Tivoli Release Process Manager <p>Network and Service Assurance</p> <ul style="list-style-type: none"> - Tivoli Netcool Service Quality Manager - Tivoli Netcool Performance Manager Family - Tivoli Netcool Carrier VoIP Manager - Tivoli Network Manager Family - Tivoli Netcool/Impact - Tivoli Netcool/Realtime Active Dashboards <p>Storage Management</p> <ul style="list-style-type: none"> - Tivoli Continuous Data Protection for Files - IBM System Storage Productivity Center - Tivoli Storage Manager Family - Tivoli Key Lifecycle Manager - IBM Total Storage Productivity Center <p>Asset Management</p> <ul style="list-style-type: none"> - Maximo Asset Management Family - Tivoli Asset Manager for IT

The IBM Rational Software & Systems Delivery Platform

Process and Portfolio Management Align business goals, best practices and projects for improved productivity and predictability	Architecture Management Model, design and rapidly build resilient architectures for SOA, systems and applications	Quality Management Ensure software functionality, reliability security and performance in development and production	Change and Release Management Improve effectiveness with process automation, build management, reporting and traceability
<p>Telelogic Focal Point Decision support solution for Product Management and Product Portfolio Management to analyze customer needs and maximize product value.</p> <p>Rational Method Composer (formerly Rational Unified Process) A flexible process management platform with tooling and the industry's richest process library to help companies implement effective processes for successful software and IT projects.</p> <p>Telelogic Harmony Family of domain-specific processes and best practices for building better systems and software</p> <p>Rational Team Unifying Platform¹ A cost effective, integrated bundling of many of the tools mentioned in the other disciplines; designed to equip teams with the infrastructure tools, processes, and integrations they need to work together more effectively.</p>	<p>Rational Software Architect Advanced Model-Driven Development (MDD) and static analysis for architects / developers creating Service Oriented Architecture, J2EE and portal applications.</p> <p>Rational Application Developer An IDE for software developers to quickly design, develop, analyze, test, profile and deploy SOA, Java, J2EE, and portal applications.</p> <p>Rational Business Developer Extension A comprehensive IDE for Enterprise Generation Language (EGL)- an easy to learn, rapid development technology that enables any developer to deliver cross platform web and Service Oriented solutions</p> <p>Telelogic System Architect Tool for planning and modeling enterprise architecture, including data architecture, business processes, and IT infrastructure. Includes repository for team access.</p> <p>Telelogic Rhapsody UML@ 2.1 and OMG SysML™-based MDD environment for technical, real-time or embedded systems and software engineering</p> <p>Rational Asset Manager Solution to create, modify, govern, and locate any type of development assets, including SOA and systems development assets</p> <p>Rational Systems Developer An IDE for embedded systems developers that enables software architects to create well-architected C/C++ and Java J2SE applications leveraging UML 2.0.</p> <p>Rational Software Modeler A UML 2.0-based visual modeling tool for architects, systems analysts, and designers for creating and communicating systems and software specifications.</p> <p>Rational Transformation Workbench Solution to quickly transform existing core IT assets and discover reusable business logic for creating services.</p> <p>WebSphere Studio Asset Analyzer & Rational Asset Analyzer Provides insight into dependencies within & among Java™ application components, composite applications that span mainframe and distributed components.</p> <p>Rational Developer for System z Solution to create IBM z/OS® operating system-based applications including traditional CICS, IMS, COBOL, PL/I, Web, Web services and XML-based applications.</p> <p>Rational Developer for System i Integrated development environment for edit/compile/debug of traditional RPG/COBOL/C/C++ i5/OS applications</p> <p>Telelogic Tau 2 and SDL Suite MDD solutions for IT and Systems projects, using SDL (SDL Suite) and UML 2 (Tau 2) standards.</p>	<p>Rational Quality Manager (Express available) Built on the jazz platform – a web-based centralized test management environment for business, system and IT decision makers and quality professionals</p> <p>Rational Functional Tester An automated functional and regression testing tool for testers and developers who need to test Java, VS.NET, Web-based & 3270/5250 composite applications. Add-ons available to support SAP and Siebel.</p> <p>Rational Performance Tester A performance test creation, execution and analysis tool to validate the scalability and performance of web-based software systems. Add-ons available to support Siebel, SAP, Oracle and Citrix Presentation Server-based applications.</p> <p>Rational Performance Tester for z/OS A performance testing solution to test web-based applications and leverage the System z platform for super scalability of the tests.</p> <p>Rational Tester for SOA Quality A functional and regression testing tool to ensure the quality GUI-less Web services</p> <p>Rational AppScan A solution to ensure the security and compliance of web applications throughout the software development lifecycle</p> <p>Rational Policy Tester Web-based platform for scanning, and reporting on Privacy, Quality and Accessibility compliance issues impacting corporate web properties</p> <p>Rational Manual Tester A manual test authoring and execution tool that promotes test step reuse to reduce the impact of software change on testers and business analysts. (Included with Rational Functional Tester)</p> <p>Rational PurifyPlus Runtime analysis tools for improving the reliability and performance of Java or C++ code.</p> <p>Rational Test RealTime A cross-platform solution for component testing and runtime analysis for embedded, real-time, and other types of cross-platform software products.</p> <p>Rational Robot An automated functional and regression testing for thick client applications (Visual Basic, Oracle Forms, C++, PowerBuilder, etc.)</p> <p>Telelogic Logiscope Software quality assurance tool that automates code reviews & detects error-prone modules in C, C++, Ada 83 and 95 and Java software</p> <p>Telelogic Tester Systems and integration testing solution using TTCN-3 test language</p>	<p>Rational Team Concert (Express available) Built on the Jazz platform - a collaborative development environment that integrates source control, work item, and build capabilities to improve software quality and accelerate software delivery.</p> <p>Rational ClearCase A highly scalable software asset management tool that provides a repository and version control for medium to large projects.</p> <p>Rational ClearCase Multisite An option to Rational ClearCase to support geographically distributed projects through repository replication</p> <p>Rational ClearCase Change Management Solution Enterprise Edition An integrated software configuration management solution for medium to large development projects and/or geographically distributed teams.</p> <p>Rational ClearQuest A flexible workflow management, defect, test, and change tracking tool for the entire project life cycle.</p> <p>Rational ClearQuest Multisite An option to Rational ClearQuest to support geographically distributed projects through repository replication</p> <p>Rational Build Forge (Express available) Automated build and release management solution for high performance, reliable software builds</p> <p>IBM SCLM Advanced Edition for z/OS Version control and build support for the IBM z/OS platform.</p> <p>Rational Software Analyzer Solution to automate the detection of code-level errors and identify bugs early in development</p> <p>Telelogic Synergy An easy-to-deploy, task-based configuration management solution with support for distributed teams of all sizes</p> <p>Telelogic Change A web-based fully integrated change management solution for change request tracking and reporting</p> <p>Rational Project Console Project-level metrics tracking and reporting for the Rational tools</p> <p>Telelogic Dashboard Project-level metrics tracking and reporting for the Telelogic tools</p>
<p>Requirements Definition & Management Define & manage project requirements for IT and systems development</p>			
<p>Rational Requirements Composer Built on the jazz platform – a Collaborative requirements definition solution that enables visualization, organization, and validation of requirements that capture evolving business objectives.</p> <p>Telelogic DOORs Leading family of solutions for complex requirements management needs for Systems development and complex IT projects</p> <p>Rational RequisitePro An integrated solution for authoring and managing requirements and use cases for IT projects.</p>			
<p>Host Tools/Integrations</p> <p>IBM WebSphere Host Access Transformation Services (HATS) Solution to transform character-based 3270 and 5250 host applications to web and rich client applications.</p> <p>IBM Host Access Transformation Services (HATS) for 5250 Provides integration between WebFacing applications, and system screens or non-WebFacing 5250 applications</p> <p>Footnotes ¹ Additional bundles of products are available</p>			

Rational Historical Performance
(Estimate of four quarter rolling total revenue)



2002

2004

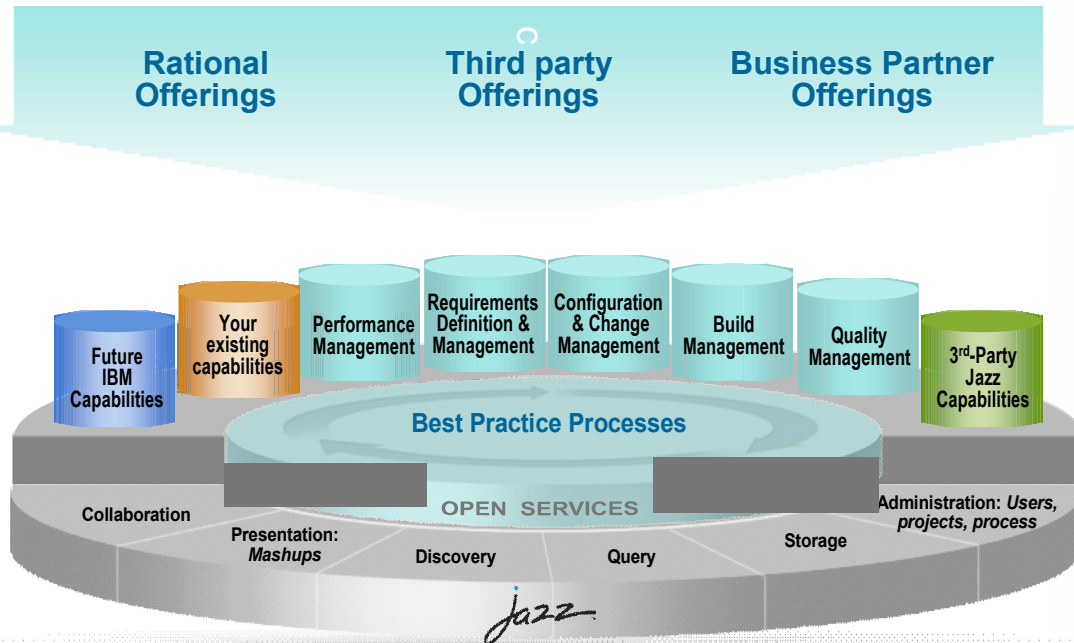
2006

2008

2009

2012

Jazz is a platform for optimizing software delivery



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

Jazz is...

- Our vision of the future of systems and software delivery
- A scalable, extensible team collaboration platform
- An integration architecture enabling mashups and non-Jazz products to participate
 - A community at Jazz.net where Jazz products are built
- An evolution of our portfolio

IBM Rational solution for Collaborative Lifecycle Management

Optimize your team through support of the 5 ALM Imperatives

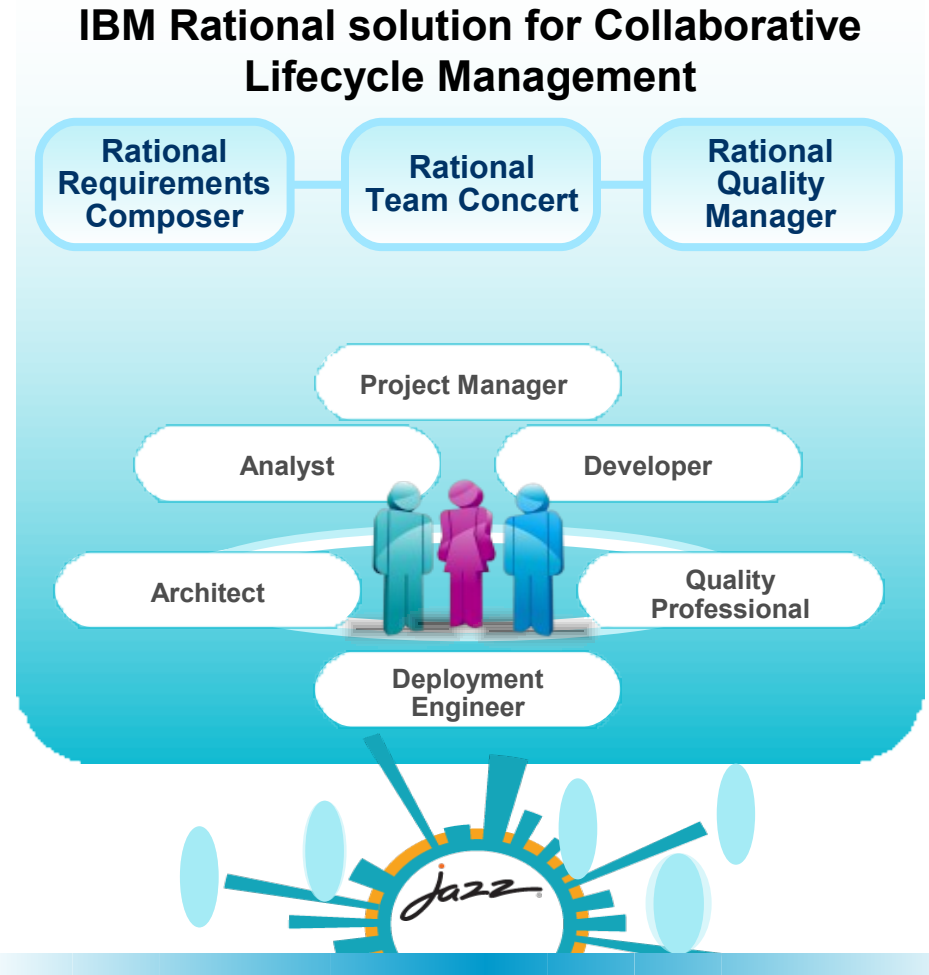
- Real-time planning
- Lifecycle traceability
- In-context collaboration
- Development Intelligence
- Continuous Improvement

Get up and running quickly

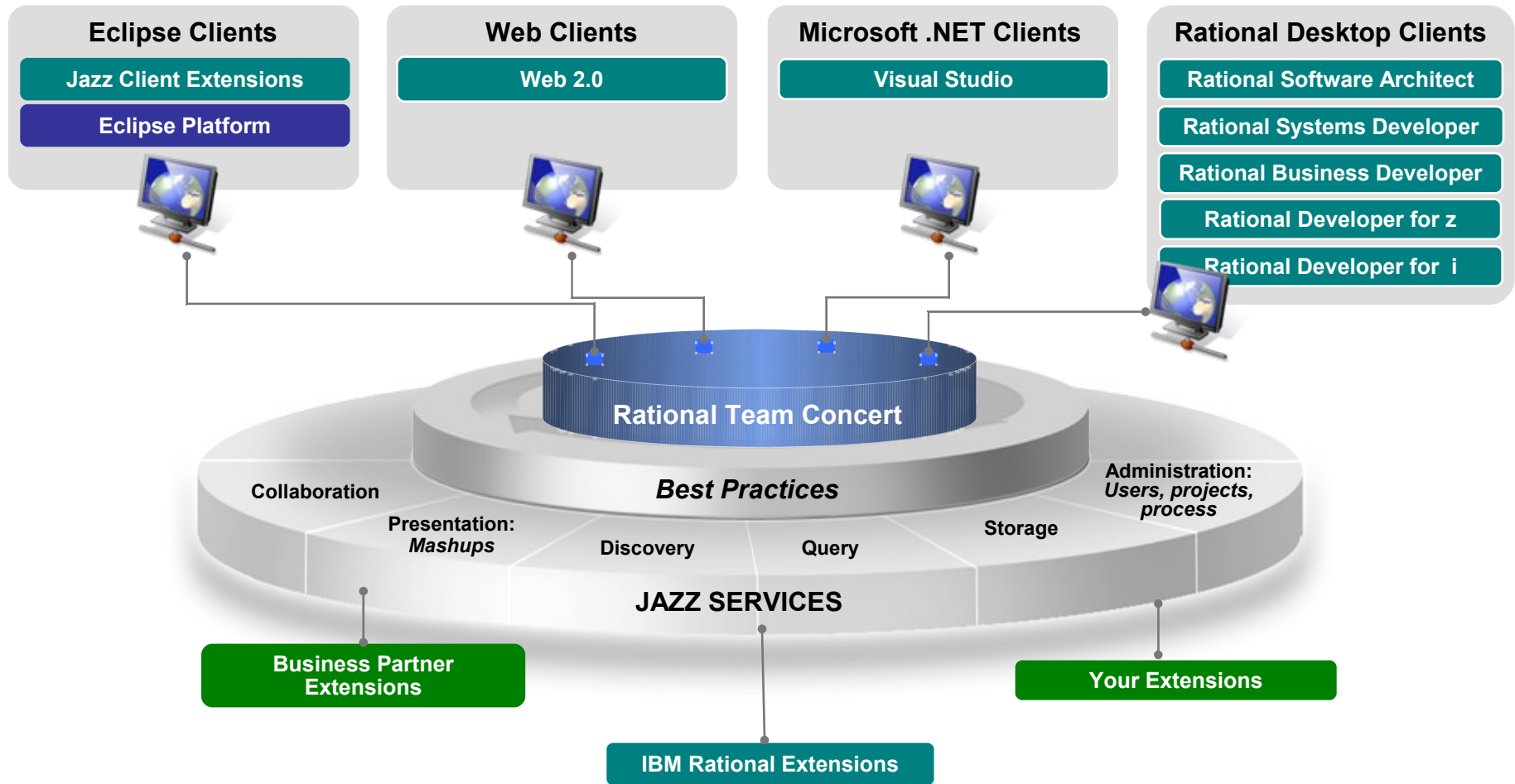
Extend as your needs evolve

Support heterogeneous development across multiple platforms and technologies

Learn more at <https://jazz.net/projects/clm/>



Rational Team Concert: An open, extensible architecture



jazz.net

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We're building a new generation of products to make software and systems development more collaborative, productive, and enjoyable.

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What's new in 3.0? [Read our blog >](#)
[Learn about Rational Team Concert >](#)
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Jazz Team Blog

Rational Requirements Composer Beta 2a: A big step forward
By Daniel Moul Fri, 10 Dec 2010
The latest beta of Rational Requirements Composer (RRC) demonstrates significant progress in our plans to deliver requirements definition and management ... [More >](#)

What's New in Rational Team Concert 3.0: Part V – Work Item Enhancements
By Benjamin Pasero Fri, 03 Dec 2010
Rational Team Concert 3.0 is now available. Visit the RTC project page to learn more and get the highlights of ... [More >](#)

Rational Team Concert 3.0 released
By Rolf Nelson Tue, 23 Nov 2010
We are pleased to announce the availability of Rational Team Concert 3.0, and invite you to download it and enjoy ... [More >](#)

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Events

Webcast: CLM Powered by Jazz Series, Part 4: Requirements Management
18 Jan 2011 - Web

Webcast: CLM Powered by Jazz Series, Part 5: Collaborative Enterprise Development Powered by Jazz
15 Feb 2011 - Web

Suppose we did our development out on the Internet?

A transparent software delivery laboratory where you can...

- ✓ Get answers and insights directly from engineering
- ✓ Communicate with the development team
- ✓ Track the progress of builds and milestones
- ✓ Get the latest product trials and betas
- ✓ Join developers and product managers in discussion groups
- ✓ Submit defect and enhancement requests

Resources

- **Collaborative Lifecycle Management on Jazz.net** Learn about the latest releases and features, participate in the forums, watch recorded videos of the solution in action. ([link](#))
- **Agility@Scale eKit** Download the Forrester Agile Wave and get a wealth of resources for improving team flexibility and responsiveness. ([link](#))
- **ALM Buyer's Guide** – Explore objective criteria you can use to evaluate ALM solutions. ([link](#))
- **ALM Value Estimator** – In just five minutes, determine how much money you can save your organization with Rational ALM solutions. ([link](#))
- **ALM Everywhere eKit** Download the Gartner MarketScope on ALM and get a wealth of resources for improving team productivity. ([link](#))



Get the facts on application
lifecycle management

20 vendors compared

→ 2010 Gartner MarketScope now available

Questions ?!?



THANK YOU