

## About the IBM Rational Software Development Platform

### Highlights

- **A complete, proven, open and modular solution for building software**
- **Enables business-driven development by unifying business, development and operations teams**
- **Helps teams rapidly discover, develop and deploy software assets**



### Software: Key to an on demand world

Look within any company that sustains competitive advantage and you will find software in action. Whether applied to an existing system, a new project or a packaged application, software development allows organizations to codify their unique knowledge and differentiate their business performance.

### The high rate of failure

Successful software development requires the close collaboration of business, development and operations teams, all working toward a common goal. But all too often, these extended teams fail to produce meaningful results. When projects go astray, it is typically not because any one team is dysfunctional, but because the cross-functional organization is fundamentally misaligned or disconnected.

### Business-driven development

For business and technology leaders who seek greater returns from their technology investments, IBM offers a proven alternative: business-driven development with the IBM Rational Software Development Platform. This integrated approach aligns line-of-business, development and operations teams with a shared process, toolset and vocabulary for developing software. The result is an organization that can deliver software with the power to transform, create new revenue sources and achieve breakthrough results.

### A proven platform

The IBM Rational Software Development Platform is not a single product offering, but an integrated set of products that can be adapted to the unique needs of your team and technology environment. IBM tools span Microsoft® Windows®, UNIX®, Linux® and mainframe platforms and support a wide spectrum of programming languages, integrated development environments (IDEs) and cross-development environments for real-time and embedded developers. Core tools within the IBM Rational Software Development Platform are based on Eclipse, an award-winning open source platform for the construction of powerful software development tools and rich desktop applications.

The IBM Rational Software Development Platform is:

- **Complete.** *It unifies business, technology and operations teams with a comprehensive and integrated solution*
- **Open and extensible.** *You can leverage existing assets and choose from a wide array of partner technologies, including Microsoft.NET.*
- **Modular.** *You choose the exact tools and adoption path that best fit your needs.*
- **Proven.** *The IBM Rational Software Development Platform is based on tools and best practices that are the choice of thousands of high-performance software teams.*

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## Requirements and Analysis

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<b>IBM Rational® RequisitePro®</b>	Document, communicate and control changing requirements to maintain project focus
<b>IBM Rational Software Modeler</b>	Visually model systems and applications using Unified Modeling Language (UML) notation
<b>IBM Rational Rose® Data Modeler</b>	Design and model database schema to support your enterprise architecture
<b>IBM WebSphere® Business Integration Modeler</b>	Define, model, analyze, simulate and report business processes, and extend IBM WebSphere MQ Workflow with business tools to visualize process impact
<b>IBM WebSphere Business Integration Monitor</b>	Monitor business processes—in real time and using visual dashboards—for improved business decision-making
<b>IBM WebSphere Studio Asset Analyzer</b>	Maintain and extend existing assets through impact analysis and enhanced application understanding

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## Design and Construction

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<b>IBM DB2® Information Integrator</b>	Develop integrated, real-time access to diverse distributed information
<b>IBM Lotus® Domino® Designer</b>	Rapidly create multiplatform applications to automate business processes and increase workflow efficiency
<b>IBM Lotus Enterprise Integrator for Domino</b>	Provide real-time data access, bi-directional data movement, exchange, transformation and synchronization between applications and data sources
<b>IBM Rational Application Developer for WebSphere Software</b>	Quickly design, develop, analyze, test, profile and deploy Web, Web services, Java™, J2EE™ and Portal applications with a comprehensive Eclipse-based IDE that is optimized for IBM WebSphere software and provides capabilities for development on other technology platforms
<b>IBM Rational Rose Technical Developer</b>	Develop complex Java, C/C++ and embedded software using model-driven development techniques
<b>IBM Rational Software Architect</b>	Unify architecture, design and development with one tool
<b>IBM Rational Suite® Development Studio for UNIX</b>	Implement a full life-cycle solution for building software on UNIX platforms
<b>IBM Rational Suite for Technical Developers</b>	Implement a full life-cycle solution for building complex software for real-time and pervasive devices
<b>IBM Rational Web Developer for WebSphere Software</b>	Build, test and deploy Web, Web services and Java applications with an easy-to-use IDE that is optimized for IBM WebSphere software and provides capabilities for development on other technology platforms
<b>IBM WebSphere Development Studio for iSeries</b>	Create Web and J2EE applications with an advanced IDE for IBM ^iSeries™
<b>IBM WebSphere Host Access Transformation Services</b>	Quickly transform 3270 and 5250 applications for the Web
<b>IBM WebSphere Studio Application Developer Integration Edition</b>	Build service-oriented applications that extend and integrate your existing information technology (IT) assets with a composite application development environment
<b>IBM WebSphere Studio Device Developer</b>	Develop embedded software with a Java 2 Micro Edition (J2ME™) application development environment
<b>IBM WebSphere Studio Enterprise Developer</b>	Support a mixed workload environment for IBM z/OS® development, including J2EE, COBOL and PL/1
<b>IBM Workplace Designer</b>	Use visual design tools to build and extend business applications for the IBM Workplace environment

### Toolkits for IBM WebSphere Studio

- **Embedded Voice Toolkit**
  - **Everyplace Toolkit**
  - **Micro Environment Toolkit**
  - **Multimodal Toolkit**
  - **Voice Toolkit**
- Build speech recognition and text-to-speech capabilities in embedded applications
  - Extend enterprise applications to mobile devices
  - Build applications that run on pervasive devices such as Pocket PC, Palm and Symbian
  - Create applications that work in voice and data modes in the same user interaction
  - Develop voice-enabled applications for call centers and telephony-integrated applications

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### **Software Quality**

<b>IBM DB2 Test Database Generator</b>	Rapidly produce test data that reflects real-world conditions
<b>IBM Rational Functional Tester Extension for Terminal-based Applications</b>	Add support for testing 3270 and 5250 terminal-based applications to Rational Functional Tester
<b>IBM Rational Functional Tester</b>	Perform functional test automation to increase defect discovery within complex Java, Microsoft Visual Studio® .NET WinForm and Web-based applications
<b>IBM Rational Manual Tester</b>	Author and execute manual tests using novel design and reuse capabilities
<b>IBM Rational Performance Tester</b>	Verify Web application performance, scalability and reliability under high multi-user loads
<b>IBM Rational PurifyPlus™</b>	Automate runtime error detection, bottleneck discovery and code coverage analysis for increased unit testing and debugging effectiveness
<b>IBM Rational Robot</b>	Verify quality of client/server applications with a general-purpose test automation tool for quality assurance teams
<b>IBM Rational Rose XDE Developer family</b>	Perform model-driven development and runtime analysis within your Eclipse, IBM WebSphere Studio or Visual Studio development environment
<b>IBM Rational Test RealTime</b>	Perform component testing and runtime analysis for applications targeting embedded and other real-time environments

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### **Software Configuration Management**

<b>IBM Rational ClearCase® family</b>	Manage software assets with comprehensive version control, workspace management, and build and release management
<b>IBM Rational ClearQuest® family</b>	Manage workflow and change requests, including defects and enhancements, across the development life cycle
<b>IBM z/OS SCLM Suite</b>	Enable software configuration management for mainframe applications development

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### **Deployment Management**

<b>IBM DB2 UDB Administration Tools</b>	Manage tasks that keep DB2 performing at peak levels
<b>IBM Fault Analyzer for z/OS and OS/390®</b>	Assist in the identification and correction of enterprise application failure
<b>IBM Tivoli® Access Manager</b>	Provide end-to-end security for e-business, including Web single sign-on, Web-based administration and policy-based security
<b>IBM Tivoli Configuration Manager</b>	Automatically provision and update your test and deployment environment
<b>IBM Tivoli Enterprise Console</b>	Provides automated problem diagnosis and resolution to improve system performance and reduce support costs
<b>IBM Tivoli Monitoring</b> (Databases, Messaging and Collaboration, Microsoft .NET, Network Performance, Transaction Performance, Web Infrastructure)	Monitor essential system resources to detect bottlenecks and potential problems, and to recover automatically from critical situations
<b>IBM Tivoli Identity Manager</b>	Centrally coordinate the creation, approval and provisioning of user accounts
<b>IBM Tivoli Privacy Manager for e-business</b>	Protect consumer trust by implementing privacy policies which guard consumer information
<b>IBM Tivoli Provisioning Manager</b>	Automatically provision and update your test and deployment environment
<b>IBM WebSphere Studio Application Monitor</b>	Provide runtime performance monitoring and analysis for J2EE applications spanning mainframe and distributed platforms

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## Process and Portfolio Management

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<b>IBM Lotus Domino</b>	Rapidly build collaborative applications and messaging solutions with a security-rich, scalable and easy-to-use platform
<b>IBM Lotus Notes®</b>	Provide a robust platform for collaborative applications with enterprise-class messaging, calendaring and scheduling, and instant messaging capabilities
<b>IBM Rational Portfolio Manager</b>	Automate IT governance processes and align priorities, projects and people with business goals
<b>IBM Rational Professional Bundle</b>	Get all the desktop tools your enterprise needs to design, construct and test J2EE/portal/service-oriented applications
<b>IBM Rational SUMMIT® Ascendant</b>	Plan and manage enterprise IT projects and programs with a library of methods and Web-based tools for planning, estimating and monitoring
<b>IBM Rational Team Unifying Platform™</b>	Provide core infrastructure including life-cycle process guidance, requirements management, version control, defect and change tracking, test management, project measurement and reporting
<b>IBM Rational Unified Process®</b>	Adopt a flexible development process that can be configured to your team and technology needs

### Accelerate success with IBM Software Services

IBM Software Services teams are dedicated to helping organizations improve their software development capability and accelerate project success. Our services encompass worldwide consulting, deployment and QuickStart packages along with a wealth of knowledge and training resources.

### For more information

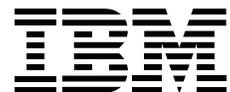
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