

## About the IBM Rational Software Development Platform.



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### Highlights

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- ***Manage value by keeping technology aligned with business goals***
- ***Develop flexibly by leveraging resources anytime and anywhere***
- ***Control risk and change by continuously measuring and assessing solution performance***

### **Software: key to differentiating your business**

Look within any company that sustains competitive advantage and you will find software in action. Recognition of its strategic importance is radically altering how software is procured, specified, integrated, extended, built and maintained. There's increasing pressure on IT organizations to deliver business value through more effective governance of software portfolios and projects.

### **Addressing the high rate of project failure**

When software projects go astray, it is typically not because any one team is dysfunctional, but because the cross-functional organization is fundamentally misaligned. Development must be business-driven. If simply project-driven, there's no way to effectively manage the overall soft-

ware portfolio for maximum benefit to the business as a whole. Keeping the IT effort in sync with business priorities requires governance solutions that provide the visibility and control necessary to make sure everyone involved in the software delivery process—from the CIO to the IT specialists—is working productively toward common business goals.

### **Enabling business driven development**

The foundation for business driven development is the IBM Rational® Software Development Platform. This complete and configurable solution enables organizations to govern the business process of software and systems development. It provides the transparency across the software lifecycle that is vital for consistently delivering superior business results.

## A proven platform

The IBM Rational Software Development Platform is an integrated set of products and partner ecosystem that can be adapted to the unique needs of your team and technology environment. The products support Microsoft® Windows®, UNIX®, Linux® and mainframe platforms, as well as a wide spectrum of programming languages and integrated development and cross-development environments for real-time and embedded system developers. Core products within the IBM Rational Software Development Platform are based on Eclipse, an open source extensible development platform and application frameworks for building software.

The IBM Rational Software Development Platform is:

- **Complete.** *It aligns business, technology and operations teams with a comprehensive and integrated solution for governing development.*
- **Open and extensible.** *You can leverage existing assets and choose from a wide array of partner technologies, including Eclipse and 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 products and best practices that are the choice of thousands of high-performance software teams.*

## Accelerate success with IBM Software Services

IBM Software Services teams are dedicated to helping you improve your software development capability and accelerate project success. We offer in-depth assessments of your development environment to help you determine where you might gain the most benefit from more effective governance.

### Process and portfolio management software

#### **IBM Rational Method Composer (includes IBM Rational Unified Process® software)**

Author, customize and deploy process guidance using a flexible platform that can be extended with the process plug-ins for project portfolio management, service-oriented architecture (SOA) and more

#### **IBM Rational Portfolio Manager**

Align business and IT investments with comprehensive project portfolio management

#### **IBM Rational Team Unifying Platform™**

Access IBM Rational software's entire suite of team products, bringing together requirements management, change and configuration management, test management and development analytics capabilities in a single solution

#### **IBM® Workplace™ for Business Controls and Reporting**

Document, evaluate and report the status of controls management across multiple initiatives

#### **IBM Workplace for Business Strategy Execution**

Improve strategy execution by aligning business units and workgroups, assigning accountability, monitoring progress and accelerating exception resolution

## Requirements and analysis software

<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 Modeler</b>	Define, model, analyze, simulate and report business processes
<b>IBM WebSphere Business Monitor</b>	Monitor in-production business process performance in real time using visual dashboards

## Design and construction software

<b>IBM Rational Application Developer</b>	Quickly design, develop, analyze, test, profile and deploy Web; SOA; Java™; Java 2 Platform, Enterprise Edition (J2EE); and portal applications with a comprehensive Eclipse technology-based integrated development environment (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>	Enable advanced model-driven development with patterns, model transformations and architectural analysis
<b>IBM Rational Software Modeler</b>	Provide UML 2.0 language-based visual modeling and design tools
<b>IBM Rational Suite® Development Studio for UNIX</b>	Implement a full lifecycle solution for building software on UNIX platforms
<b>IBM Rational Suite for Technical Developers</b>	Enable software lifecycle management for real-time and pervasive devices
<b>IBM Rational Systems Developer</b>	Provide a model-driven development environment for software products and systems development
<b>IBM Rational Web Developer</b>	Build, test and deploy Web, SOA 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 Rational Professional Bundle</b>	Enable enterprise teams to design and construct SOA, portal, Java and J2EE applications

## Design and construction software (continued)

<b>IBM DB2® Information Integrator</b>	Develop integrated, real-time access to diverse distributed information
<b>IBM Lotus® Domino®</b>	Build collaborative applications and messaging solutions with a security-rich, scalable and easy-to-use platform
<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, bidirectional data movement, exchange, transformation and synchronization between applications and data sources
<b>IBM Workplace Designer</b>	Use visual design tools to build and extend business applications for the IBM Workplace environment
<b>IBM WebSphere Developer for zSeries®</b>	Support a mixed workload environment for IBM z/OS® development, including J2EE, COBOL and PL/1
<b>IBM WebSphere Integration Developer</b>	Easily create and integrate business processes based on an SOA and deploy on an IBM WebSphere Process Server system
<b>IBM WebSphere Host Access Transformation Services</b>	Quickly adapt IBM 3270 and IBM 5250 applications for the Web
<b>IBM WebSphere Studio Device Developer</b>	Develop embedded software with a Java 2 Platform, Micro Edition (J2ME) application development environment

## Deployment management software

<b>IBM DB2 Universal Database™ Administration Tools</b>	Manage tasks that keep DB2 systems performing at peak levels
<b>IBM Fault Analyzer for z/OS and IBM 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 On Demand Business, including Web single sign-on, Web-based administration and policy-based security
<b>IBM Tivoli Composite Application Manager (for Response Time Tracking, for SOA and for WebSphere)</b>	Proactively recognize, isolate and resolve in-production performance errors for transactions and services, applications and system resources
<b>IBM Tivoli Enterprise Console®</b>	Provide automated event correlation to accelerate problem diagnosis and resolution for improved system performance and lower support costs

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## Deployment management software (continued)

<b>IBM Tivoli Monitoring (for Databases, for Messaging and Collaboration, for Microsoft .NET, for Network Performance, for Transaction Performance and for Web Infrastructure)</b>	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 that guard consumer information
<b>IBM Tivoli Provisioning Manager</b>	Automatically provision and update your test and deployment environments
<b>IBM Tivoli Application Dependency Discovery Manager</b>	Provide visibility into application complexity by automatically creating and maintaining application infrastructure maps, including complete run-time dependencies, deep configuration values and accurate change history

## Software quality software

<b>IBM Rational Functional Tester</b>	Perform functional test automation to increase defect discovery within complex Java, Microsoft Visual Studio .NET WinForm, Siebel and Web-based applications
<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 software
<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, Siebel and SAP application performance, scalability and reliability under high multiuser loads
<b>IBM Rational PurifyPlus™</b>	Automate run-time error detection, bottleneck discovery and code coverage analysis of C/C++ and Java 2 Platform, Standard Edition (J2SE) 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 (QA) teams
<b>IBM Rational Rose XDE™ Developer family</b>	Perform model-driven development and run-time analysis within your Eclipse, IBM WebSphere Studio or Visual Studio development environment
<b>IBM Rational Test RealTime™</b>	Perform component testing and run-time analysis for applications targeting embedded and other real-time environments
<b>IBM DB2 Test Database Generator</b>	Rapidly produce test data that reflects real-world conditions



### For more information

To learn more, contact your local IBM representative or visit the following Web sites.

For IT managers and executives, visit:

[ibm.com/software/  
developmentplatform](http://ibm.com/software/developmentplatform)

For practitioners, visit:

[ibm.com/developerworks/platform](http://ibm.com/developerworks/platform)

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