

Rational software

IBM® Rational Suite® Enterprise

**All the tools you need
to build an on demand software
development environment**

IBM® Rational Suite® Enterprise includes the following:

Team Unifying Platform

IBM Rational® RequisitePro®

IBM Rational Unified Process®

IBM Rational TestManager®

IBM Rational ProjectConsole®

IBM Rational ClearQuest®

IBM Rational ClearCase® LT

IBM Rational SoDA

Developer Tools

IBM Rational Rose

IBM Rational QualityArchitect

IBM Rational PurifyPlus

IBM Rational Purify

IBM Rational Quantify

IBM Rational PureCoverage

Today's software development and IT teams are under pressure to meet higher standards for quality in ever-shrinking release cycles. That's difficult under the best of circumstances. But it is almost impossible for any development organization to succeed when they are also faced with day-to-day communication, process and integration challenges. It's no wonder 72% of all software development projects fail*.

In an on demand era, when customer expectations are increasing, development resources are decreasing and projects are growing more complex, you need to enhance your software capabilities. You need software that is reliable, scalable, resilient, and adaptable. You need software that has real business value—helping you to minimize risk and reduce your time to market.

IBM Rational has the tools, best practices and services you need to achieve an e-business on demand operating environment.

IBM Rational Suite Enterprise directly addresses the challenges facing today's IT shops and software development teams to help you build better software, faster. Rational Suite Enterprise is the industry's only complete, integrated life cycle solution. By combining best practices, tools and services in one comprehensive solution, Rational Suite Enterprise helps unify cross-functional teams, minimize risk, and improve quality. Rational Suite Enterprise includes all of the market leading tools of IBM Rational Suite AnalystStudio®, IBM Rational Suite DevelopmentStudio and IBM Rational



IBM Rational ProjectConsole available in IBM Rational Suite Enterprise features a metrics dashboard to easily and consistently capture "true" project status from other Rational Suite Enterprise tools and third party tools.

* Standish Group, Chaos Report 2001

Benefits:

- ***Accelerate development through visual modeling, code-generation and reverse engineering capabilities***
- ***Improve code quality and application performance with automated testing tools***
- ***Easily share and manage reliable, up-to-date project information with a common view of objective project status***
- ***Streamline manual, error-prone development processes with a flexible SCM solution***
- ***Access product-specific chat rooms, white papers, re-usable assets and artifacts by becoming a member of the IBM Rational online development community***
- ***Includes a proven best practice approach to software development that is uniquely integrated with IBM Rational tools***

Suite TestStudio®, and empowers every member of your team to succeed in every phase of development.

A Full Life Cycle Solution

The tools in IBM Rational Suite Enterprise are tightly integrated, enabling your team to:

- *Communicate clearly and effectively*
- *Share and re-use assets repeatedly*
- *Improve team collaboration*

Achieving this allows you to minimize project risk and better predict results.

Requirements and Analysis

IBM Rational Suite Enterprise gives your team a running start in the crucial early stages of development: requirements and analysis. It helps teams understand development challenges fully, and design complete solutions that meet those challenges. IBM Rational Rose® connects business, application and data modelers by enabling them all to use a single visual modeling tool based on the industry standard Unified Modeling Language (UML).

With the industry's most comprehensive support for use cases, Rational Rose ensures your software is designed and deployed with the focus squarely on your users' needs. Analysts also use IBM Rational RequisitePro to establish and maintain requirements

as they evolve over the life of a project. Rational RequisitePro combines the search, prioritization, and management power of a database with the freedom of requirements documents in Microsoft Word for effective and intuitive requirements management.

Software Development

Developers use IBM Rational Rose — the world's leading model-driven development tool — to architect all components of their applications using a common notation. Analysts and developers share a common view, a common language and a single modeling tool, so teammates are working from a common understanding.

Defects are found earlier in the lifecycle and are easier and less costly to fix. Rational Suite Enterprise also gives developers the tools they need to identify defects early in the lifecycle. With IBM Rational QualityArchitect, you can automatically generate component test code from UML models for EJB and COM applications before you code them.

Developers also use IBM Rational Purify® to pinpoint memory access errors and leaks, IBM Rational Quantify to identify performance bottlenecks and IBM Rational PureCoverage® to ensure they don't release untested code.

System Testing

Only IBM Rational Suite Enterprise makes it possible to test at every stage in a product's lifecycle, ensuring that quality is built-in as development proceeds, while freeing teams from time-wasting rework, maintenance and manually tracking change.

Rational Suite Enterprise gives quality assurance teams flexible tools for unit, functional, performance and reliability testing. It also provides a centralized testing desktop; built-in test mentoring to aid new testers on how and what to test; the ability to create requirements-based test plans for better quality and easy means to communicate about requirements, changes, defects, and even the location of defects in code by integration with the rest of IBM Rational products.

The IBM Rational testing technology saves QA teams enormous amounts of time and stress by automatically updating critical testing data into every defect record. Additionally, time is saved by eliminating the common QA problems of developers not being able to reproduce bugs and of requirements changes derailing testing efforts. A major technology advance in the IBM Rational testing technology prevents still another common problem: that of Web and Java test failures due to interface changes and the difficulties in testing dynamic data.

IBM Rational Suite Enterprise's testing technology removes these obstacles to QA productivity and integrate with the rest of the IBM Rational products, enabling quality assurance teams to work effectively toward delivering high quality software.

IBM Rational Process Workbench

IBM Rational Suite Enterprise also features IBM Rational Process Workbench, a process customization and publishing tool for users that need to do extensive customization of the IBM Rational Unified Process or RUP®. RUP is a software development process platform that combines industry-proven best practices and a configurable architecture. Rational Process Workbench enables process engineers to accelerate delivery of customized RUP and RUP content plug-ins, by visually modeling process extensions using UML, and by allowing the process engineer to work at a higher level of abstraction.

The IBM Rational Suite Team Unifying Platform

The team-unifying solution includes two areas of integrated Rational tools– Collaborative Project Management capabilities and Team Infrastructure capabilities.

Collaborative Project Management tools help teams with process guidance, project reporting, and progress tracking. Rational's

collaborative project management solutions includes three solutions:

- *Rational Unified Process ensures that everyone understands and can easily follow a practical, iterative process.*
- *Rational SoDA automates the generation and maintenance of comprehensive project documentation and reports*
- *Rational ProjectConsole makes it easy to monitor project status and utilize objective metrics to improve project predictability.*

Infrastructure tools represent the foundational tools necessary to communicate and collaborate throughout the development process. Rational infrastructure tools include the follow solutions:

- *Rational RequisitePro is a complete requirements management solution that lets your team manage ever-changing requirements.*
- *Rational TestManager consolidates test planning, execution, and analysis activities, including legacy and proprietary test assets.*
- *Rational ClearQuest is a change and defect-tracking tool that lets everyone understand the current state of software quality.*
- *Rational ClearCase LT provides a reliable version control tool, which serves as common repository for all software development artifacts.*



Streamline Everyday Activities

With IBM Rational Suite, you get unprecedented automation you can easily transform requirements into test cases and automatically share test results with developers. You can also analyze trends based on actual artifacts and make projections with confidence.

An Open and Extensible Foundation

The IBM Rational platform for software development is open, extensible, and supported by over 500 independent complementary products and services. IBM Rational work closely with strategic partners, including Sun Microsystems, SGI, and others to ensure broad compatibility with .NET, J2EE, embedded system environments, and emerging Web Services specifications. An open Application Program Interface (API) ensures maximum flexibility.

Accelerate Success with IBM Rational Services

Like all IBM Rational tools, IBM Rational Suite Enterprise is supported by an extensive, worldwide service organization. Explore more than a thousand articles, whitepapers, and artifacts online at the IBM Rational Developer Network™

Build your team's capability through expert training, consulting services, and technical support. Or take

advantage of more than 60 courses designed to speed technology deployment and accelerate your project's delivery. Available where and when needed, IBM Rational software Services improve self-sufficiency as they build a foundation for continuous software development improvement.

SPECIFICATIONS

Hardware

- *500 MHz processor or higher recommended*
- *CD-ROM drive*
- *256 MB RAM or higher recommended*
- *1.6 GB (2 GB recommended) free disk space on a single drive*

Operating Systems

- *Windows NT 4.0, Service Pack 6a*
- *Windows 2000 Professional Service Pack 2 or 3*
- *Windows XP Professional Service Pack 1*

Other Prerequisites

- *Internet connection recommended for license and support services*
- *Netscape Navigator 4.72 to 4.786 or higher, or Microsoft Internet Explorer 5.5, Service Pack 1, 2; 6.0 without a Service Pack or Service Pack 1*
- *System requirements may vary, depending on project scope*

© Copyright IBM Corporation 2003. Rational Software Corporation is a wholly owned subsidiary of IBM Corp.

IBM Corporation
Software Group
Route 100
Somers, NY 10589
U.S.A.

Printed in the United States of America
04-03
All Rights Reserved

Rational, Rational Suite, AnalystStudio, TestStudio, Rational Rose, RequisitePro, TestManager, ClearCase, ClearQuest, Purify, PureCoverage, Rational Unified Process, RUP and Rational Developer Network are trademarks or registered trademarks of Rational Software Corporation in the United States and in other countries.

Microsoft is a registered trademark of Microsoft in the United States and other countries.

Other company, product or service names may be trademarks or service marks of others.

The Rational Software home page on the Internet can be found at ibm.com/rational

The IBM home page on the Internet can be found at ibm.com

♻️ Printed in the United States on recycled paper containing 10% recovered post-consumer fiber.