



IBM[®] Rational[®] XDE[™] Developer

Highlights

- Single design-to-code Experience
- Model-driven development with UML 1.4 support
- Roundtrip engineering
 .NET languages
- Automatic or on demand code synchronization
- User-definable patterns and code templates
- Assisted modeling
- Multiple model support
- Free-form diagramming
- Reverse engineering of database assets
- Database synchronization
- Web publishing and reporting
- Runtime analysis
- Visual Trace

IBM Rational XDE Developer, a complete visual design and development environment, allows users to work in a single environment, thereby avoiding the need to switch between numerous, different, nonintegrated tools. It is so flexible that it can be implemented three ways - alone via the included IBM® Eclipse IDE, installed into the IBM® WebSphere™ Studio Application Developer and Integration Edition IDEs, or installed into Microsoft® Visual Studio™.NET.

Rational XDE Developer offers software developers a model-driven development approach building applications, including web-centric solutions. The blend of features listed on the right Highlights section reduces the effort required to comprehend and develop code and designs.

Do more in your IDE

Traditional lifecycle support tools are loosely coupled to your development environment. They have their own user interface, requiring you to ALT-Tab back and forth between two environments. This makes for an awkward and unproductive user experience.

Only IBM Rational makes visual modeling and runtime analysis an integral part of your development environment, allowing you to do more work right inside your IDE.

Develop solid code faster

As a software developer, you care about writing code. You want to do it fast, and you want it to be good, solid code. But you're afraid that modeling and analysis tools will slow you down—that they'll get in your way of writing solid code.

Rational's development solution doesn't get in your way. It actually helps you write better code faster. Rational XDE Developer includes unique code template and patterns features that allow both code- and model-level reuse to speed your development. It also has special "assisted modeling" capabilities that allow you to create and edit UML models in terms that you know well from your IDE and its languages.

Rational XDE Developer Plus offers runtime analysis tools that detect memory errors, highlight application performance bottlenecks, and identify untested code. It also allows you to visualize runtime execution traces for

advanced debugging where you can then create standard UML sequence diagrams. These features extend model-driven development to developer testing functions, making it even easier to develop solid code faster.

And so you'll never have to go it alone, the Rational Developer Network[™] (RDN) serves as your online extended development community. The RDN provides reusable patterns and assets, white papers, discussion forums, and a wealth other technical resources made accessible through a special online customer website. It also includes a set of Rational Development Accelerators where a variety of reusable assets help further speed up your development and provides convenient web-based training so that you need not leave your work environment. With the RDN, you'll never have to start a project

from a blank slate—and that will help you write solid code faster.

Only Rational combines visual modeling, runtime analysis, and an extended developer community so that you can write higher quality code faster.

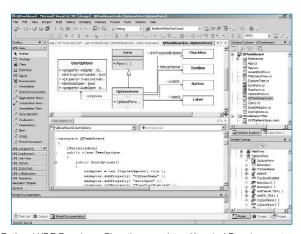
Make developing on a team easier

IBM Rational XDE Developer integrates with IBM Rational RequisitePro® for viewing and managing ever-changing requirements. It provides web publishing and other reporting features to communicate your design to others inside or external to the project. It integrates with IBM Rational ClearCase® to give you version control features right inside your IDE. And Rational XDE Developer integrates with IBM Rational ClearQuest® to allow you to instantly create defect reports upon finding bugs when you analyze your code.

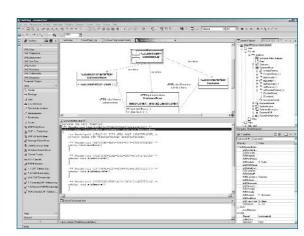
The IBM Rational Unified Process® (RUP®) offers best practices and a configurable process framework for guiding your development activities. This includes a special RUP Configuration for Java and .NET developers, and a special plug-in for Extreme Programming (XP) that offers lightweight best practices designed specifically for this development practice.

No one better equips you with tools, community, and best practices for team development. Rational completes your development experience.

For more information, please go to http://www.rational.com/xde to learn more, view online demonstrations, and download/order a Solution CD that includes an evaluation version of Rational XDE Developer.



Rational XDE Developer Plus, the complete eXtended Development Environment for Java and .NET application development.



Feature Summary for the Rational XDE Product Family				
	Rational XDE Modeler Edition	Rational XDE Developer .NET Edition	Rational XDE Developer Java Platform Edition	Rational XDE Developer Plus Edition
IDE Support				
IBM WebSphere Studio	✓		✓	✓
Eclipse 2.0 (included with Rational XDE)	✓		✓	✓
Microsoft VisualStudio .NET	✓	✓		✓
UML & Modeling Support				
UML 1.4 Support	✓	/	✓	√
Free-Form Modeling	/	✓	✓	✓
Pattern Engine	✓	✓	✓	✓
Data Modeling		✓	✓	✓
Gang-of-Four patterns		✓	✓	✓
Language & Implementation Sup	port			
Java Round-Trip Engineering			✓	√
JDK 1.4 support			✓	✓
J2EE Deployment Diagrams			✓	✓
J2EE App Server support for IBM WebSphere, BEA WebLogic and Oracle			✓	1
C# RTE		✓		✓
VB .NET RTE		✓		✓
ASP .NET RTE		✓		✓
Assisted Modeling		✓	✓	/
Code Templates	✓	✓	✓	✓
Multi-Model				
Multi-Model Support	✓	✓	✓	✓
Model Integrator	✓	✓	✓	✓
Publishing/Reporting				
Web Publisher	✓	✓	✓	√
Generate User Definable Reports	✓	√	✓	✓
Print Diagrams	✓	✓	✓	✓
Developer Testing				
Runtime Analysis with PurifyPlus				√
Visual Trace				✓
General				
Import Rose Models	1	√	✓	√
Reusable Asset Specification (RAS)	✓	✓	✓	✓
Rational XDE Extensibility Interface (RXI	E)	✓	✓	✓
Integrations with Other Rational	Products			
ClearCase Integration	✓	✓	✓	√
RequisitePro Integration	✓	√	✓ ✓	✓
SoDA Integration	· ✓	·	<u> </u>	
RUP Java Configuration For Developers	<u> </u>		· /	✓
RUP .NET Configuration For Developers	✓	✓		✓



SPECIFICATIONS Hardware and Software Requirements

Operating System

- Windows NT 4.0 Workstation, Service Pack 6a
- Windows 2000 Professional, Service Pack 2 or Service Pack 3 (Recommend: Service Pack 2)
- Windows 2000 Server and Advanced Server, Service Pack 2
- Windows XP Professional

Supported IDEs

- Eclipse Java platform IDE
- IBM Websphere Studio Application Developer 5.0
- IBM Websphere Studio Application Developer Integration Edition 5.0
- Microsoft Visual Studio .NET 7.1

Processor

- 450 MHz PII
- Recommend: 700 MHz

Available RAM

- 256 MB minimum
- Recommend: 512 MB

Available Disk Space

- 400 MB installation directory
- 50 MB workspace
- Recommend: 2-4 GB

Configuration Management

Supports ClearCase 4.2,
ClearCase 2002.05.00,
ClearCase LT 2001A.04.00,
ClearCase LT 2002.05.00.
Microsoft Visual SourceSafe
6.0c. Supports the SCC interface.

EJB and Web Modeling and Deployment Platforms

- BEA WebLogic 5.1, 6.1
- IBM WebSphere 4.0
- Sun J2EE Reference Implementation 1.3
- Web Server (Apache) 1.3

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