

**Rational** software

## IBM® Rational® XDE™ Developer

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### Highlights

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- ***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



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