Rational® software

IBM Rational Rapid Developer

Highlights

- **Provides single seamless environment for rapid design, integration, construction, and deployment of business applications and portals**

- **Leverages mainstream development skills on complex *n*-tier development projects**

- **Focuses development efforts on high value business requirements — not infrastructure coding**

- **Accelerates application and portal delivery through architected RAD techniques such as reverse-engineering, rapid user interface design, functional prototyping, automated *n*-tier construction, and deployment features**

- **Simplifies legacy integration**

- **Creates agile, standards-based applications**

Rational Rapid Developer accelerates business application development throughout the project lifecycle. By leveraging existing software assets, visually designing and modifying application models, automatically constructing code, and quickly deploying final applications to different underlying technologies, Rational Rapid Developer simplifies business application development.

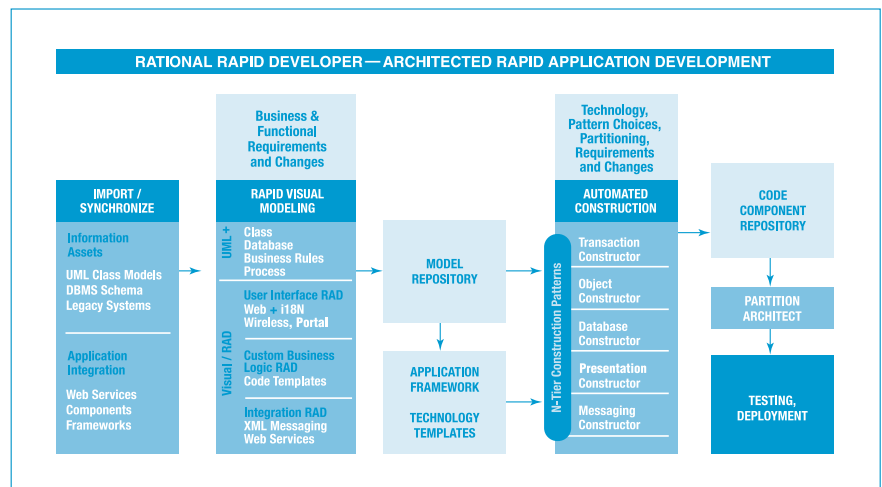## Architected Rapid Application Development (ARAD) Environment

Combining powerful visual modeling and automated construction, IBM® Rational® Rapid Developer gives you a way to rapidly build high-quality, industrial strength applications and portals that scale and adhere to industry and enterprise architectural standards. Rapid Developer-based applications are reliable, scalable, secure and readily modified to accommodate changes in technology and business objectives.

Leveraging mainstream development skills, you can deploy and maintain enterprise-class applications that integrate with an extensive range of legacy systems. Rapid Developer automates many routine development tasks so developers focus on the highest value areas. Time-to-complete projects and cost of ownership are greatly reduced.

Visual Development Accelerates Application Delivery

Rapid Developer employs a RAD modeling system to accelerate the development of applications that support multiple delivery channels. It borrows judiciously from the Unified Modeling Language (UML), using just enough to ensure consistency between RAD applications and your enterprise architecture. Rapid Developer enables you to rapidly integrate new and existing assets such as UML diagrams (including iterative synchronization with Rational XDE® and Rational Rose® class models), database schema, legacy systems, code templates, Web services and other components.

The development process creates detailed business object models for class, database, process, security and rules; user interface models for

RATIONAL RAPID DEVELOPER—ARCHITECTED RAPID APPLICATION DEVELOPMENT

theme, style, page, site, transaction (linking business objects to data); and integration models for external (B2B) and internal (EAI) systems using database, XML, APIs, and Web services. Rational Rapid Developer employs a unique transaction model that enables applications to automatically support multiple channels: Web (HTML), Portal, wireless (WML), messaging (XML), and Web services (SOAP). Application models created with Rapid Developer are agile, technology-neutral, and adaptable to numerous deployment technologies.

Automated Construction Creates Scalable, Executable Applications
Rapid Developer automatically translates application models into high-quality, industry-standard executable applications for your selected deployment technologies.

You get your business application projects completed faster, while reducing development efforts dramatically. Rapid Developer features a unique method of automatically constructing applications that delivers industrial-strength code, optimized for your deployment platforms — this is not "lowest common denominator" code. Rapid Developer generates executable applications across all layers of an *n*-tier system, with support for leading J2EE application servers, IBM WebSphere Portal Server, and all leading databases, browsers, message transports, and security.

Optimization techniques ensure high performance, scalability and availability for your applications. Data flow and transitions are minimized for efficient transaction processing.

Knowledge Resources Create In-house Proficiency
IBM provides everything you need to develop and maintain Rapid Developer applications:
- Comprehensive, built-in knowledge system with visual "how-to" and "when."
- Classroom and self-paced training, webinars and mentoring.
- On-line, telephone and on-site support.
- Sample reference applications.
- Skilled third-party consultants.

SPECIFICATIONS

Supported Technologies:

Application Servers

J2EE (automated deployment)

- *Apache Tomcat 4.x*
- *BEA WebLogic 5.1, 6.1, 7.0*
- *IBM WebSphere 3.5, 4.0, 5.0*
- *Oracle 9iAS R1, R2*
- *Generic J2EE*
- *Other J2EE via manual deployment*

Microsoft MTS

Portal Servers

IBM WebSphere Portal Server 4.1, 5.0

Databases

IBM DB2 UDB v6.0, 7.2, 8

IBM DB2 eServer zSeries (S/390) v6, 7, 8

IBM DB2 iSeries V4R5, V5R1, V5R2

IBM IMS DB, VSAM

Microsoft Access

Microsoft SQL Server 7.x, 2000

Oracle 7.3, 8/8i, 9i

Sybase 11

60+ data sources via iWay Adapters

Messaging

IBM WebSphereMQ (MQ Series)

Java Messaging Service (JMS)

MSMQ

TCP/IP

TIBCO

XML

EDI via third-party products

Integration

APIs

- *EJB, CORBA, COM*
- *Web Services*

Java 2 Connectors (JCA)

  Mainframe

- *IMS Transactions*
- *CICS Applications*
- *CICS 3270 Transactions*
- *3270 Screen Flows*

  iSeries

- *C, COBOL or RPG Applications*
- *5250 Screen Flows*

Browsers/Appliances

HTML

- *Microsoft IE 4.0+*
- *Netscape Navigator 3.0+*
- *Other compatible*

WML/WAP

Security

Digital Certificates

LDAP

Role-Based Access Control

SSL

Team Development

IBM Rational ClearCase

IBM Rational Unified Process: RUP®

    Plug-in for Rational Rapid Developer

Merant PVCS

Microsoft Visual SourceSafe

Products supporting SCC API

System Requirements:

Hardware

- *Pentium III-based microprocessor (minimum 300 MHz)*
- *256 MB minimum RAM*
- *500 MB disk space (recommended)*
- *A high-resolution display monitor (minimum 1024 x 768)*

Operating Systems

- *Windows NT 4.0 (Workstation or Server) – Service Pack 5*
- *Windows 2000 – Service Pack 1*
- *Windows XP*

e business software

D613A