NEUVIS
software

NeuArchitect™ 4.0
E-Business Rapid Application Development Platform

Combining powerful visual modeling and automated construction techniques, NeuArchitect software gives you the ability to rapidly build complex e-business applications that are portable across all leading deployment technologies. NeuArchitect-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. Time-to-market and cost of ownership are greatly reduced.

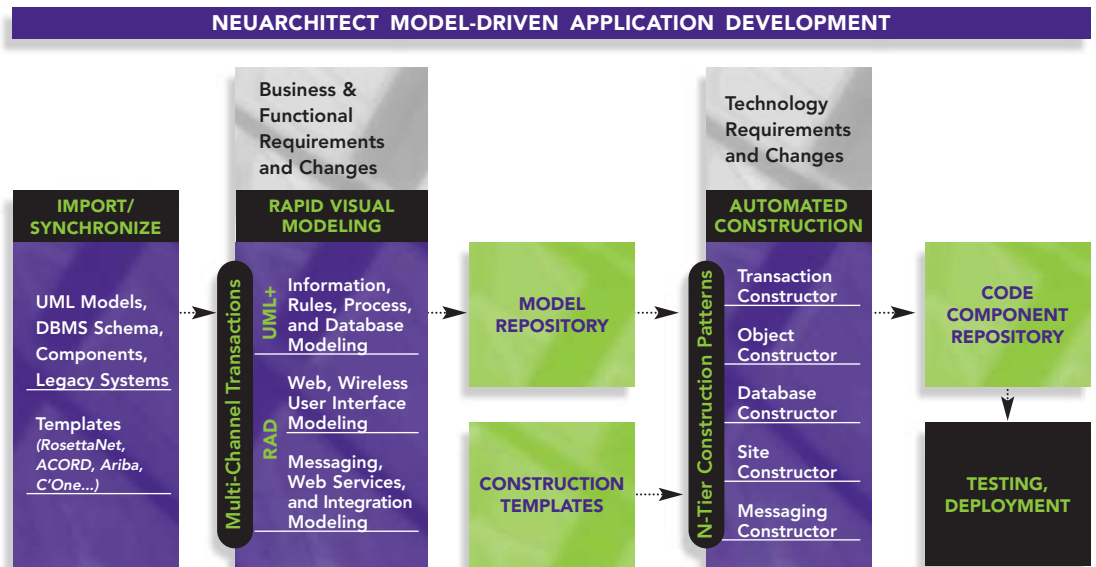"By using the NeuArchitect rapid development tool, IBM was able to meet the customer requirements in record time. A typical project of this nature would have taken 1,800 hours, but the use of NeuArchitect reduced the time to 600 hours."

— *John Gibson, Director of IT Alpha-Gamma Technologies*

"With precanned connectors, automated code generation and broad platform support, the [NeuArchitect 4.0] application development software can save hundreds of hours of programming work, CRN Test Center engineers found."

— *CRN Magazine*

NEUARCHITECT MODEL-DRIVEN APPLICATION DEVELOPMENT

Business & Functional Requirements and Changes

Technology Requirements and Changes

IMPORT/ SYNCHRONIZE
UML Models, DBMS Schema, Components, Legacy Systems

Templates (RosettaNet, ACORD, Ariba, C'One...)

RAPID VISUAL MODELING
UML+ / RAD
Multi-Channel Transactions

Information, Rules, Process, and Database Modeling

Web, Wireless User Interface Modeling

Messaging, Web Services, and Integration Modeling

MODEL REPOSITORY

CONSTRUCTION TEMPLATES

AUTOMATED CONSTRUCTION
N-Tier Construction Patterns

Transaction Constructor

Object Constructor

Database Constructor

Site Constructor

Messaging Constructor

CODE COMPONENT REPOSITORY

TESTING, DEPLOYMENT

VISUAL MODELING CREATES A FLEXIBLE FRAMEWORK

Extending the power and simplicity of the Unified Modeling Language™ (UML), NeuArchitect employs a comprehensive visual modeling system to accelerate the development of applications that support multiple delivery channels. NeuArchitect enables you to rapidly integrate new and existing assets such as UML diagrams (including synchronization with Rational Rose®), database schema, legacy systems, 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 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.

NeuArchitect employs a unique transaction model that enables applications to automatically support multiple channels: Web (HTML), wireless (WML), messaging (XML), and Web services (SOAP).

Application models created with NeuArchitect reduce your cost of ownership because they are agile, technology neutral, and adaptable to numerous deployment technologies.

AUTOMATED CONSTRUCTION CREATES EFFICIENT, EXECUTABLE APPLICATIONS

NeuArchitect automatically translates your application model into a high-quality application for your selected deployment technology. You get to market faster while dramatically reducing development efforts. NeuVis' unique method of automated construction delivers industrial-strength functionality with code that performs as well or better than hand-written code. Our TechBlade™ feature uses construction templates to optimize your application for all leading platforms, protecting you against technology obsolescence.

NeuArchitect generates executable applications across all layers of an n-tier system, with support for J2EE and Microsoft DNA application servers, databases, browsers, messaging, and security. Optimization techniques ensure high performance, scalability and availability for your application. Data flow and transitions are minimized for efficient transaction processing.

KNOWLEDGE RESOURCES CREATE IN-HOUSE EXPERTISE

NeuVis provides everything you need to develop and maintain a NeuArchitect application:

- Comprehensive, built-in knowledge system with visual "how-to" and "when."
- Classroom training, distance learning, e-learning, webinars and mentoring.
- On-line, telephone and on-site support.
- Sample reference applications.
- Rapid application development methodology with RUP-based principles.

The NeuVis Developer Center lets you download software, take a Quick Start tutorial, read documentation and FAQs, view product feature demos, and access our development process portal.

THE COMPANY

NeuVis Software is an innovator in rapid application development (RAD) software for creating agile, enterprise-class e-business applications that run on all leading deployment platforms. NeuArchitect, the centerpiece of the NeuVis platform, enables customers to meet fast changing business and technology requirements by using powerful model-driven design and automated code construction. NeuVis provides customers with sustained e-business leadership through innovative software products, a commitment to open standards, and the practice of advanced software engineering.

SYSTEM REQUIREMENTS

Hardware
A high-performance IBM-compatible computer with the following minimum configuration:
- 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
NeuArchitect will run on the following operating systems:
- Windows NT 4.0 (Workstation or Server) – Service Pack 5
- Windows 2000 – Service Pack 1
- Windows 98 – *Modeling only. You will not be able to construct NeuArchitect artifacts such as pages, messages, or database persistence with Windows 98.*

SUPPORTED TECHNOLOGIES (v4.0)

Application Servers
J2EE (automated deployment)
- BEA WebLogic 4.5, 5.1, 6.1
- HP Application Server 8.0
- IBM WebSphere 3.5, 4.0
- Oracle 9iAS
- Other J2EE via manual deployment
Microsoft MTS

Databases
IBM DB2 UDB v6.0, 7.2
IBM DB2 eServer zSeries (S/390) v6, 7
IBM DB2 iSeries V4R5, V5R1 (AS/400)
IBM IMS
IBM VSAM
Microsoft Access
Microsoft SQL Server 7.x, 2000
Oracle 7.3, 8/8i, 9i
Sybase 11
140+ data sources via iWay Adapters

Messaging
XML
EDI via third-party platforms
IBM MQ Series
Java Messaging Service (JMS)
MSMQ
TCP/IP
TIBCO

Integration
API
- EJB, CORBA,® COM
- Mainframe: CICS, MVS
Data Connectors
- Mainframe: IMS, CICS/VSAM
- 140+ data sources via iWay Adapters
- All supported relational databases
Web Services

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
Merant PVCS
Microsoft Visual SourceSafe
Rational ClearCase
Products supporting SCC API

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