

# Parthner

A development framework from Prolifics,  
a JYACC company

## WebSphere Edition

Leverage WebSphere's  
exceptional  
e-commerce  
strengths

Rapidly create  
scalable, EJB-based  
applications

Use the power  
and flexibility of  
component-based  
development

Integrate EJB  
development with  
legacy assets



Application development solutions  
@ the speed of e-business



IBM® and Prolifics® have joined forces to introduce Prolifics Panther WebSphere Edition, an integrated application environment for IBM WebSphere Application Servers. A Panther™ and WebSphere™ solution reduces the time, complexity and risk associated with development and deployment of open, reliable and scalable transaction-based e-business solutions.

Panther/WebSphere permits the development, migration and integration of component-based distributed computing architectures using emerging standards, including Enterprise JavaBeans™ (EJB), Java™ 2 Enterprise Edition (J2EE) and COM+.

In today's rapidly evolving environment, IBM and Prolifics deliver the tools and professional services to achieve maximum productivity, measurable ROI, and timely transformation to e-business models, while mitigating platform risk and maximizing the skills available within the development team.



***Prolifics***®

WebSphere: All business is e-business

WebSphere is a scalable solution engineered for enterprise-class e-business, employing proven technology that is running in 99 of the Fortune 100 companies and 475 of the Fortune 500.

Unifying development in a distributed component world

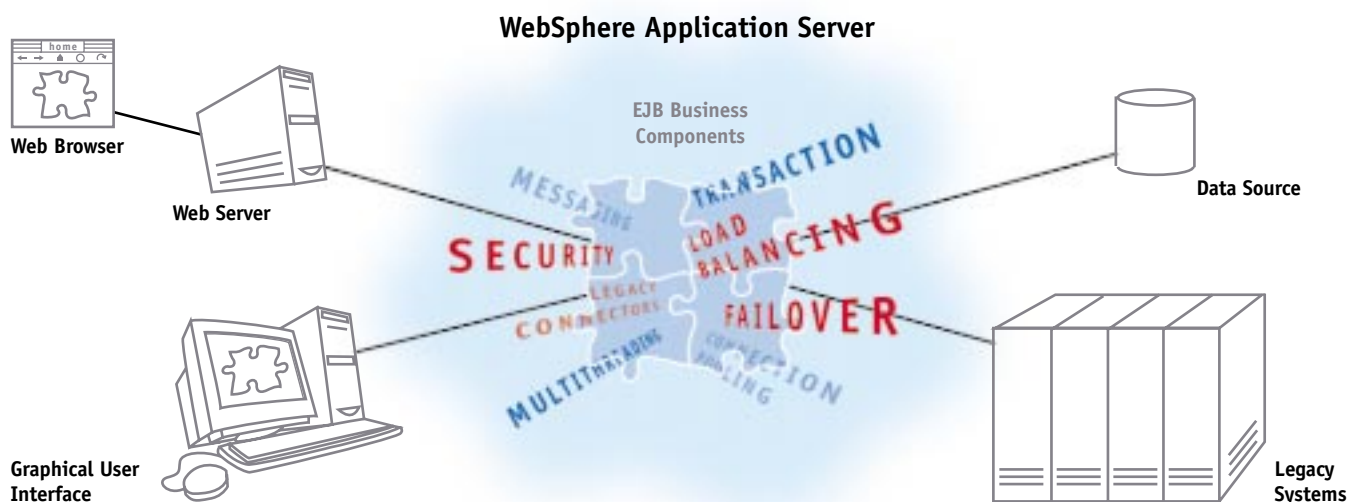
IBM's application framework for e-business is widely viewed as the pre-eminent choice for organizations committed to deploying sophisticated e-business solutions. It offers significant strengths in the areas that can transform a transactional web site into a powerful marketing tool including: content management, relationship and cross-sell possibilities, order processing, and payment management for all types of Internet business.

Panther/WebSphere solutions start with the industry's most versatile application server platform. The IBM WebSphere Application Server is a robust, third-generation system engineered to support high-volume Web-based transaction processing. It provides strict enterprise requirements for security, performance, scalability and configurability, while integrating with key open standards including COM, CORBA, EJB and J2EE. WebSphere also offers mainframe-to-desktop interoperability to developers of platform-independent applications.

The need for speed, versatility and adaptability is driving the move to distributed component architectures. Components are runtime, encapsulated software packages that enable greater interoperability while simplifying application deployment and management. Component-based development, the assembly of applications by building, buying and reusing components, delivers:

- a more **intuitive development** process that leverages the skills of business analysts during the design process
- standards-based development that simplifies **application integration**
- hybrid development options (build/buy/reuse) that **reduce overall cost**
- **greater adaptability** in continuously changing business environments.

## E-BUSINESS APPLICATION ARCHITECTURE BENEFITS



WebSphere provides a robust e-business infrastructure to meet mission-critical demands.

# Panther WebSphere Edition: A Simple Solution

## Panther's unique technology abstraction architecture

Panther WebSphere Edition supplies a framework – including visual tools, an object repository and application building blocks – for building the next generation of WebSphere-ready transactional applications.

## Rapidly developing EJBs

Panther/WebSphere's integrated application environment simplifies and accelerates the creation of *n*-tier, component-based applications, and lets development organizations leverage existing skills while migrating to EJB component development. This powerful architecture is designed to:

- shield developers from many of the technical details of EJB component development
- protect the enterprise from the impact of evolving standards (EJB/J2EE, COM/COM+)
- provide deployment flexibility across all popular infrastructures (COM, EJB, Tuxedo)
- allow developers to focus on business goals rather than technology.

Users familiar with previous versions of Panther or JAM will also be immediately productive in the WebSphere Edition environment.

## Simplifying development of EJBs

Panther excels at building the server-side components (EJBs) that make robust, scalable, enterprise-class applications possible. Panther WebSphere Edition delivers a library of pre-built classes, methods and components for jump-starting the application development process. The versatile Panther Database Interface and Transaction Manager automatically prepare business components for database handling details such as:

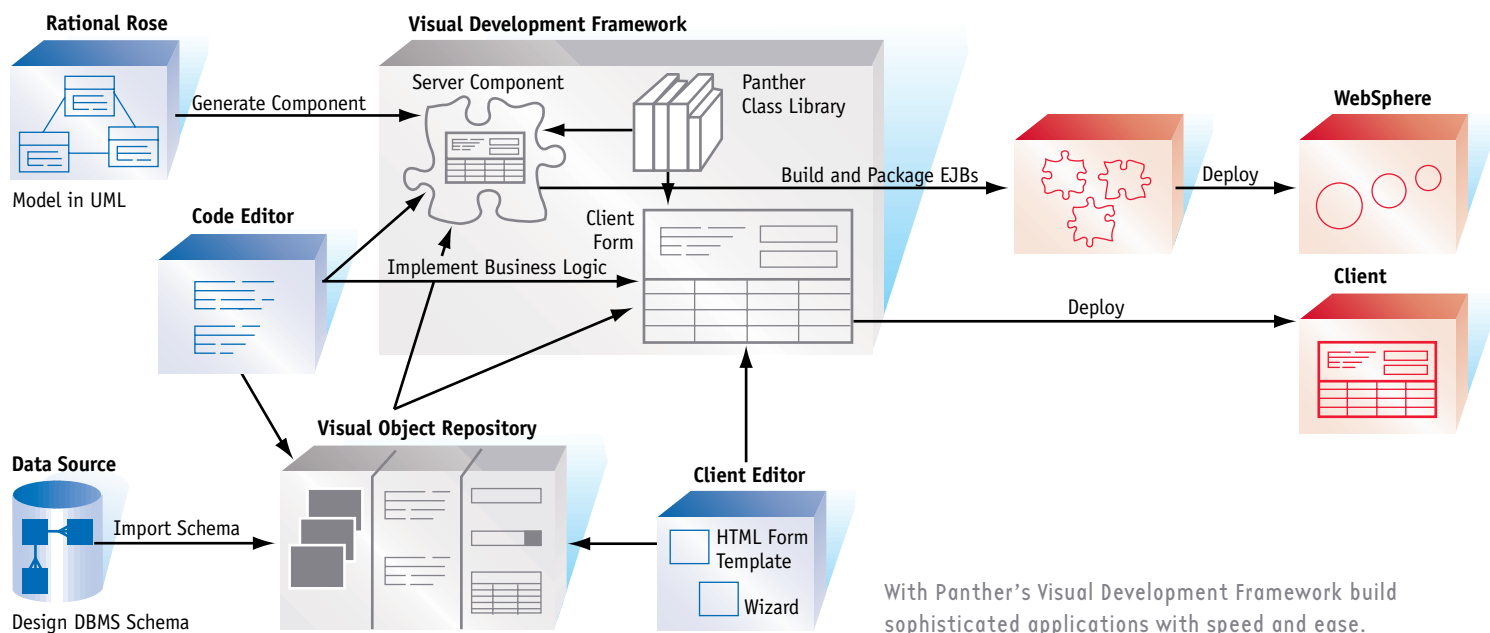
- automated SQL generation including cross-table relationships
- automated result set management
- data mapping between the component interface and the database
- generation of optimized updates
- integration with metadata for write once, run anywhere SQL database queries.

Panther WebSphere Edition's visual drag-and-drop interface allows developers to build server-side business components quickly and easily. This is achieved through integration with metadata, object property sheets, and management of object inheritance across all application components. Client forms can be created using Panther's visual, repository-based editor, or users can employ an HTML editor, Java or Visual Basic.

Panther WebSphere Edition also supports tight integration with the industry-leading UML design tool, Rational Rose. Business analysts can model applications in Rational Rose, and Rose Panther Link automatically generates EJB components, their interface and method templates.

# To A Complex Challenge

## PANTHER DEVELOPMENT FRAMEWORK AND METHODOLOGY



### EJB development in a legacy world

Integrating legacy assets with new enterprise applications is the business reality facing most IT managers today. This dictates that the necessary skills and technologies must be drawn from a diverse array of environments, including C, C++, JPL, COM and Tuxedo. We allow developers to:

- create an EJB and program the business logic in C, C++, Java or 4GL scripting
- invoke a COM or Tuxedo component from within an EJB
- convert a Panther COM, JetNet or Tuxedo component to a WebSphere EJB.

From Servlets to Applets and Classes to Enterprise JavaBeans, Panther supports robust Java/J2EE development. However, when the application environment demands more than Java, Panther permits seamless development and integration with current infrastructures.

### Integrated services

**A recent independent survey reported 96% of Prolifics customers deployed their applications on-time and within budget. This compares with typical industry success rates of approximately 20%.**

Prolifics Business System Services offers 22 years experience building complex applications. Seasoned technical consultants come armed with best practice methodologies, guides and toolkits to insure project success. A range of services from assessment and proof-of-concept, to full project outsourcing and application maintenance is available. By combining Prolifics Business System Services with Panther and IBM e-business offerings, customers can transition to leading edge technologies while preserving investments already in place.

## Experts in transactional applications

Leading the market and exhibiting steady growth for over 20 years is a major feat in the software industry. Prolifics, founded as JYACC in 1978, has proven that quality products and a commitment to service can help a company thrive, even in this competitive arena. Today's Prolifics customers enjoy the rare advantage of working with a company whose stability and reputation for innovation have weathered the test of time.

For additional information about Panther or Prolifics Business Systems Services, please contact us or visit our website. For information about IBM call 1-800-IBM-4YOU or visit [www.ibm.com/software/websphere](http://www.ibm.com/software/websphere).

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