IBM VisualAge for Java, Professional and Enterprise Editions Version 4.0, Assists Developers in the Creation of Java-based e-business Applications

Overview

VisualAge® for Java™ is a comprehensive Java development tool that helps developers quickly:

- Deliver their first e-business application
- Grow their e-business applications by using features such as team capabilities, Enterprise JavaBeans (EJB) creation wizards, and testing on the WebSphere™ Test Environment inside the integrated development environment (IDE)
- Differentiate their business by connecting to legacy applications and data

VisualAge for Java, Professional Edition Version 4.0 includes:

- IDE
- Servlet and JavaServer Pages development and testing
- Visual Composition Editor
- Access to External Source Managers
- Standards:
  - JSP 1.1
  - Servlet 2.2

Enterprise Edition provides additional features:

- Enterprise Access Builders (EABs), supporting J2EE Connector Architecture and Common Connector Framework

Note: J2EE connectors in VisualAge for Java Version 4.0 are all Beta code.

- Persistence Builder
- Deploy EJBs at the 1.1 specification level to WebSphere Version 4.0 (code to EJB 1.0 + extensions)
- Team management
- ET/400 and ET/390 toolkits

Key Prerequisites

- Windows 98, Windows NT® Version 4.0 (with Service Pack 4, or later), or Windows® 2000
- TCP/IP communications protocol configured and running
- A frames-capable browser

Planned Availability Dates

- Program package: July 27, 2001
- Electronic distribution: July 17, 2001

At a Glance

Both editions comprise a cross-platform, object-oriented, Java language application development tool for extending current information technology assets to the Web and support:

- Incremental rapid Java application development
- Powerful and robust server-side Java programming environment
- WebSphere Test Environment
- Tool Integrator API
- Enhanced links to VisualAge TeamConnection™, Merant PVCS, Microsoft™ SourceSafe, and Rational ClearCase products

The Enterprise Edition additionally supports:

- Advanced development environment for the generation of Enterprise JavaBeans components, and mapping tooling to persist data into underlying relational data stores (DB2®, Oracle, Sybase, Microsoft SQL Server)
- Additional and enhanced Enterprise Access Builders for MQSeries®, CICS®, Encina®, TXSeries™, Host-On Demand (HOD), and SAP R/3. IBM also plans to provide an enhanced Enterprise Access Builder for IMS™ and HOD via VADD
- Enterprise Toolkits for OS/390® and AS/400®

For ordering, contact:
Your IBM representative, an IBM Business Partner, or IBM Americas Call Centers at 800-IBM-CALL

Reference: YE001

This announcement is provided for your information only. For additional information, contact your IBM representative, call 800-IBM-4YOU, or visit the IBM home page at: http://www.ibm.com.
**Description**

**VisualAge for Java, Professional Edition**

Java developers can use this integrated development environment (IDE) to build Java applications, servlets, applets, and JavaBeans components.

- The Servlet SmartGuide generates servlets, JSP files, and prototype HTML. The JSP Execution Monitor lets developers monitor the execution of the generated servlet and resolve problems.
- The External Version Control bridge allows code to be shared with SCCI-based source control management (SCM) systems.
- Solution maps allow developers to load and unload subsets of projects, packages, and classes from the IDE (config maps).
- The IDE provides many views/browsers, including full class source view, package, project, and class browsers. The IDE also provides formatting, management of resources, a powerful debugger, and code assist.
- WebSphere Test Environment inside the IDE gives you the ability to test code without having to deploy to an external application server.
- Visit a growing development community of Java developers, information, and product downloads at: http://www.ibm.com/vadd
- Support standards:
  - JSP 1.1
  - Servlet 2.2

**VisualAge for Java, Enterprise Edition**

This is an enterprise-aware, Java application development environment for teams of Java developers. It can be used to extend existing server data, transactions, and applications to e-business. In addition to the functions in the Professional Edition, there is support for:

- EAB, supporting the J2EE Connector Architecture standard and the Common Connector Framework.
- EABs (CICS TS, IMS, Encina, MQSeries, TXSeries, Host-On Demand, and SAP R/3) that give you more connectivity than any other Java IDE.
- Test client generation that speeds testing of server side Java code (EJB components). It also generates clients to EABs connectors.
- EJB components. Generation of and complete support for the EJB specification through:
  - Wizards
  - Persistent mapping tools
  - Dependency management
  - Improved test
  - Advanced deployment tools.
- XMI Toolkit for integration with the Rational Rose product, and other XMI-based UML modelling tools.
- Persistence Builder, a tool to map objects and their relationships to information stored on relational databases. It also provides linkages to the mapping between Enterprise JavaBeans and relational data.
- ET/400 includes the following SmartGuides:
  - Create Java GUI for existing 5250 displays
  - Call AS/400 programs in Java programs — enables you to reuse your existing RPG, COBOL, CL, and C programs
  - Deploy your Java program to AS/400 — enables you to export your Java files to the AS/400 Integrated Files System (IFS) and compile the files to machine instructions for better performance
  - All the classes from AS/400 Toolbox for Java and a set of JavaBeans

**Accessibility by People with Disabilities**

The following features support use by people with disabilities:

- Operation by keyboard alone
- Optional font enlargement and high-contrast display settings
- Screen readers and screen magnifiers tested for use by people with visual impairment
- Speech recognition products tested for use by people with mobility impairment
- Optional display of audio alerts for people with hearing impairment

**Product Positioning**

- WebSphere Studio Homepage Builder, Version 6.0 for Windows — Web page/site developers doing static Web site creation
- WebSphere Studio — Professional Web developers focussing on the content of dynamic Web applications developed using WebSphere
- VisualAge for Java — Java developers creating business logic and enterprise integration code

**Trademarks**

WebSphere, TeamConnection, TXSeries, and IMS are trademarks of International Business Machines Corporation in the United States or other countries or both. VisualAge, DB2, MQSeries, CICS, Encina, AS/400, and OS/390 are registered trademarks of International Business Machines Corporation in the United States or other countries or both. Microsoft is a trademark of Microsoft Corporation. Windows NT and Windows are registered trademarks of Microsoft Corporation. Java is a trademark of Sun Microsystems, Inc. Other company, product, and service names may be trademarks or service marks of others.
**Education Support**

This information along with curriculum roadmaps and schedules can be found on our Web site:


IBM also has VisualAge® for Java™ Certifications. These certifications are available through the Professional Certification Program from IBM. Additional information on the VisualAge for Java certifications (test descriptions, objectives, prerequisites, and sample tests) is available from the Web at:

http://www.software.ibm.com/ad/certify

IBM’s current VisualAge for Java curricula consists of the following lab-based courses:

- **Application Framework for e-business: Technology Workshop (B3106)**
  - This course allows the students to have the perspective of how VisualAge for Java fits within IBM’s e-business Framework.
  - Duration: 5 days.
  - Audience: Architects, developers, and project managers who will be using IBM products to implement an e-business solution.
  - Background: Basic object-oriented (OO) concepts; basic Internet technology.
  - Description: Develop product and technology skills across the entire range of Framework middleware and tools. Learn the technical skills needed to integrate Web technologies and IBM products in the development of Framework-based solutions. An e-business scenario is used throughout the week to put all information in context. Gain hands-on experience with most of the technologies and products that make up the Framework.

- **Java Programming using VisualAge for Java (N2380)**
  - Duration: 5 days.
  - Audience: Developers using VisualAge for Java to write Java applications.
  - Background: Basic OO concepts.
  - Description: Thoroughly explore Java programming. Go beyond an introduction to learn practical applications of this OO programming language. Begin with the basics of the Java language, then examine OO programming in Java and the java.awt and java.net packages (libraries). Learn about and write actual Java applets. Weave your way through threads. Learn to create interactive Web pages and client/server applications. Hit the ground running with this truly industrial-strength Java programming course using VisualAge for Java.

- **Visual Programming using VisualAge for Java (OB75A)**
  - Duration: 4.5 days.
  - Audience: Developers using VisualAge for Java to write client-side Java applications.
  - Background: Basic OO concepts; basic VisualAge for Java.
  - Description: After completing this course, experienced Java developers will be able to develop GUI programs visually using the visual composition facility of VisualAge for Java. This course focuses on using the IDE and the Visual Composition Editor to develop Java Foundation Classes (JFC) and Abstract Window Toolkit (AWT) applications and applets. You will also learn the basics of the JavaBeans component model, and you will use the Select Bean as a way to prototype applications that access data from a relational database.

- **Developing Server-Side Applications using VisualAge for Java (OB78A)**
  - Duration: 4.5 days.
  - Audience: Developers using VisualAge for Java to write server-side Java applications.
  - Background: Basic OO concepts.
  - Description: This course presents the different VisualAge for Java tools for accessing databases, with a focus on the Persistence Builder and how to use it to access your existing relational data. Learn how to develop and test servlets and JSP files within the VisualAge for Java product. You will be able to develop JavaBeans components that can be used by applications, servlets, and JSP files to access enterprise data residing in relational databases.

**Professional Certification Program from IBM**

IBM has added VisualAge for Java Certifications to its certification suite. These certifications are available through the Professional Certification Program from IBM.

The VisualAge for Java certifications are designed for professionals who are in the business of providing product-specific, object-oriented application development services using the VisualAge for Java product.

The new professional certification available is:

- **IBM Certified Solution Developer**

The skills gained as a result of achieving the various certification levels will help differentiate certified individuals from the competition. This competitive advantage will provide individuals with increased business opportunity when customers require object-oriented software expertise.
Additional information on the VisualAge for Java certifications (test descriptions, objectives, recommended educational resources, and pre-assessment/sample tests) is available from the Web at:

http://www.ibm.com/software/ad/certify

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Offering Information

Product information is available through Offering Information (OITOOL) at:

http://www.ibm.com/wwoi

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Publications

The hardcopy publication Getting Started for both editions is shipped with the CD-ROM+DOC or the Passport Advantage documentation only packages. All the documentation, including the Getting Started manual, is online as HTML files viewable through a frames-capable Web browser or it can be printed in PDF format. These files provide high-quality reproductions of the documentation on laser printers.

The Publication Notification System (PNS) is available by order number/product number. Customers currently subscribing to PNS will automatically receive notifications by e-mail. Customers who want to subscribe, can visit the PNS Web site location at:


The IBM Publications Center Portal:

http://www.ibm.com/shop/publications/order

The Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive search facilities are provided, and payment options via credit card. Furthermore, a large number of publications are available online in various file formats, which can currently be downloaded free of charge.

Note: PNS subscribers most often order their publications via the Publications Center.

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Technical Information

Hardware Requirements

VisualAge for Java, Professional Edition Version 4.0

- Processor — Intel Pentium™ II, or faster, compatible processor recommended
- Display — SVGA, 800 x 600 (1024 x 768 recommended)
- CD-ROM drive
- Mouse or pointing device
- Memory requirements
  - 128 MB RAM minimum
  - 256 MB recommended
- For distributed debugger
  - 128 MB RAM minimum
  - 196 MB recommended
- Disk space requirements (based on NTFS, actual disk space on FAT depends on HDD size and partitioning)
  - 350 MB minimum
  - 400 MB or more recommended

VisualAge for Java, Enterprise Edition Version 4.0

- Processor — Intel Pentium II, or faster, compatible processor recommended
- Display — SVGA, 800 x 600 (1024 x 768 recommended)
- CD-ROM drive
- Mouse or pointing device
- Memory requirements
  - 128 MB RAM minimum
  - 256 MB RAM recommended (depending on tool features used)
- For distributed debugger
  - 128 MB RAM minimum
  - 196 MB recommended
- Disk space requirements (based on NTFS, actual disk space on FAT depends on HDD size and partitioning)
  - 400 MB minimum
  - 750 MB or more recommended

Software Requirements

VisualAge for Java, Professional Edition Version 4.0: Runs in the following environments:

- Windows® 98 or Windows 2000
- Windows NT® Version 4.0 (Service Pack 4, or later)

For execution of the application, it requires (for the Windows environment):

- A frames-capable browser to access the HTML-based help and Web documentation such as:
  - Netscape Navigator Version 4.7, or later
  - Microsoft Internet Explorer Version 5.0, or later
- TCP/IP communications protocol configured and running

VisualAge for Java, Professional Edition produces applets and applications, which run on any J2SDK Version 1.2.2 enabled platform.

VisualAge for Java, Enterprise Edition Version 4.0: Runs in the following environments:

- Windows 98 or Windows 2000
- Windows NT Version 4.0 (Service Pack 4, or later)

For execution of the application, it requires (for the Windows environment):

- A frames-capable browser to access the HTML-based help and Web documentation such as:
  - Netscape Navigator Version 4.7, or later
  - Microsoft Internet Explorer Version 5.0, or later
- TCP/IP communications protocol configured and running

AgentRunner for Lotus® Domino™ requires:

- For development of the applications:
  - Notes™ 5.0.5 (or later) Client
  - Domino 5.0.5 (or later) Designer
- For execution of applications
  - Notes 5.0 (or later) Client or Domino 5.0 (or later) Server
Enterprise Access Builder for Lotus Domino requires Notes 5.0.5 (or later) Client or Domino 5.0.5 (or later) Server.

ET/400 requires the OS/400® Version 4 Release 3, or later.

ET/390 requires:
- On OS/390®:
  - NFS daemon running on OS/390
  - REXEC server running on OS/390
  - OMVS FTP server running on OS/390
- On workstation:
  - NFS Maestro Client for Windows NT or Windows 2000

Enterprise Access Builder for SAP R/3 requires access to SAP R/3 system.

Execution of applications created with Enterprise Access Builder for IMS™ Connector requires:
- IMS Connect Version 1.1 and IMS Version 7.1 (recommended)
- IMS Connect Version 1.1 and IMS Version 5.1 or 6.1

Note: The Local Option of IMS Connect is supported only with IMS Version 7.1. In addition, Local Option requires IMS Connect APAR PQ45057. For additional information, visit the IMS Connector for Java Web site:

http://www.software.ibm.com/ims

VisualAge for Java, Enterprise Edition produces applets and applications, which run on any J2SDK Version 1.2.2 enabled platform.

Limitations

General Limitations: The Tool Integrator API does not support the concurrent execution of two or more tools or applications (main(), applet) that use the same classes where one loads these from the work space and the other from the file system. For a detailed description and suggested work-around, refer to the README file shipped with the product.

VisualAge for Java, Enterprise Edition: The Enterprise Access Builder for C++ produces Java stubs for Microsoft Visual C++ Version 5.0, or later, or VisualAge for C++ for Windows, Version 3.5 compatible with the JDK 1.2.2 Java Native Interface (JNI).

Planning Information

Web Information: For technical and support information visit our home page at:

http://www.ibm.com/vadd

For marketing information, visit:

http://www.ibm.com/software/ad/vajava

Other IBM links on the Web include:
- IBM’s main Java page:
  http://www.ibm.com/java/
- IBM’s e-business academic program:
  http://www.ibm.com/java/academic

Web course for Java:
  http://www.ibm.com/java/education/intro/
- IBM Learning Services:
  http://www.ibm.com/training/us
- IBM’s Business Partner Web site:
  http://www.ibm.com/partnerworld/

E-mail: partnerline@us.ibm.com

Phone:
- U.S. and Canada: 800-426-9990
- Worldwide: 770-858-5052

Direct Customer Support: Direct customer support is provided by IBM Operational Support Services — Support Line. This fee service enhances customers’ productivity by providing voice and electronic access into the IBM support organization. IBM Operational Support Services — Support Line will help answer questions pertaining to usage, and suspected software defects for eligible products.

Installation and technical support is provided by Global Services. For more information call 800-IBM-4YOU (426-4968).

Packaging: The VisualAge for Java, Professional Edition program package (20P4339) contains the following items packaged as a single unit:

Publications:
- VisualAge for Java, Version 4.0, Getting Started
- Proof of Entitlement (PoE)

Media:
- WebSphere™ Application Server, Advanced Single Server Edition for Multiplatforms Version 4.0 (Development Use Only)

Other components:
- Welcome to VisualAge for Java Support card
- VisualAge Developer Domain Subscription coupon
- Bookstore (Fat Brain) coupon

The VisualAge for Java, Enterprise Edition program package (20P5837) contains the following items packaged as a single unit:

Publications:
- VisualAge for Java, Version 4.0 Getting Started
- PoE

Media:
- DB2 Connect® Personal Edition Version 7.2 for the Windows operating environments
- DB2 Universal Database® (DB2) Personal Edition Version 7.2 for the Windows operating environments
- DB2 Connect Personal Edition Version 7.2 for Linux
- DB2® UDB Personal Edition Version 7.2 for Linux
• DB2 UDB Extenders Version 7.2
• DB2 XML Extender for Intel and UNIX
• Net.Data® for OS/2®, AIX®, Windows NT, Solaris, HP-UX, and Linux Version 7.2
• WebSphere Application Server, Advanced Single Server Edition for Multiplatforms Version 4.0 (Development Use Only)
• WebSphere Studio Application Developer (Beta)

Other components:
• Welcome to VisualAge for Java Support card
• VisualAge Developer Domain Subscription coupon
• Bookstore (Fat Brain) coupon

This program when downloaded from a Web site, contains the applicable IBM license agreement, and License Information (LI), if appropriate, and will be presented for acceptance at the time of installation of the program. The license and LI will be stored in a directory such as LICENSE.TXT for future reference.

Security, Auditability, and Control

VisualAge for Java uses the security and auditability features of the host software.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

Ordering Information

• VisualAge for Java, Professional Edition is a workstation product with one charge unit: Authorized Users.
• VisualAge for Java, Enterprise Edition is a client/server product with one charge unit: Authorized Users.

Both products are in fixed order quantities of one pack.

Note: A user is a specific user authorized to have local or remote access to the program or any portion of the program. A separate authorization is required for each specific user with local or remote access to the program or any portion of the program. Only an authorized user can have access to the program or any portion of the program.

VisualAge for Java, Professional Edition

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VisualAge for Java, Enterprise Edition

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Electronic Software Delivery

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Upgrades

VisualAge for Java, Professional Edition Version 4.0: If you have an existing VisualAge for Java, Version 2.0, 3.0, or 3.5 program, you qualify for the upgrade to VisualAge for Java, Professional Edition Version 4.0 by providing one of the following:

• A copy of the VisualAge for Java, Version 2.0, 3.0, or 3.5 purchase invoice/bill of sale

or

• The original PoE for VisualAge for Java, Version 2.0 3.0, or 3.5 (PoE must be the original — no copies will be accepted)

or

• The original front cover page of the VisualAge for Java, V2.0, V3.0, or V3.5 Getting Started publication.

Competitive Upgrades: Competitive upgrades to VisualAge for Java, Professional Edition Version 4.0 are available to holders of a valid license to any edition of the following competitive products:

• Microsoft Visual J++
• Symantec Cafe
• Symantec Visual Cafe
• Symantec Visual Cafe Pro
• webGain VisualCafe
• Borland JBuilder
• Sun Java Workshop
• Sun Forte for Java
• Sun NetBeans

VisualAge for Java, Enterprise Edition Version 4.0: If you have an existing VisualAge for Java, Enterprise Edition Version 2.0, 3.0, or 3.5 program, you qualify for the upgrade to VisualAge for Java, Enterprise Edition Version 4.0 by providing one of the following:

• A copy of the VisualAge for Java, Version 2.0, 3.0, or 3.5 purchase invoice/bill of sale

or

• The original PoE for VisualAge for Java, Version 2.0, 3.0, or 3.5 (PoE must be the original — no copies will be accepted)

or

• The original front cover page of the VisualAge for Java, V2.0, V3.0, or V3.5 Getting Started publication.
VisualAge for Java, Professional Edition

Description
VisualAge for Java, Professional Edition Version 4.0 Program Package Upgrade and Competitive Upgrade English
VisualAge for Java, Professional Edition Version 4.0 Upgrade 1 Authorized User

VisualAge for Java, Enterprise Edition

Description
VisualAge for Java, Enterprise Edition Version 4.0 Program Package Upgrade English
VisualAge for Java, Enterprise Edition Version 4.0 Upgrade 1 Authorized User

Passport Advantage

Part Number Description
20P4341 VisualAge for Java, Professional Edition 20P4341
20P4344 Version 4.0 Program Package Upgrade and Competitive Upgrade English
VisualAge for Java, Professional Edition 20P4344
Version 4.0 Upgrade 1 Authorized User
20P5839 VisualAge for Java, Enterprise Edition 20P5839
Version 4.0 Program Package Upgrade English
20P5842 VisualAge for Java, Enterprise Edition 20P5842
Version 4.0 Upgrade 1 Authorized User

Terms and Conditions

Licensing: IBM International Program License Agreement. Proofs of Entitlement are required for all authorized use.

License Information Form Number: License Information Form number:

- VisualAge for Java, Enterprise Edition Version 4.0: CT088ML
- VisualAge for Java, Professional Edition Version 4.0: CT092ML

Limited Warranty Applies: Yes

Program Services: Available until July 27, 2003

Money-Back Guarantee: 30-day, money-back guarantee

Copy and Use on Home/Portable Computer: Yes

Volume Orders (IVO): No

Passport Advantage Applies: Yes

Passport Advantage Subscription Applies: Yes

Upgrades: Customers can acquire upgrades up to the currently authorized level of use of the qualifying programs.

Usage Restriction: Yes

The following usage restriction is based on the VisualAge for Java, Enterprise edition license. The VisualAge for Java, Professional edition license will not include some of the software described in this section.

Some components provided with the Program are not governed by this IBM license agreement and are instead subject to separate license terms and conditions. The terms and conditions governing those components are provided when installing or starting them. By using, installing or starting a component, you agree to the applicable terms and conditions for that component.

The following components of the Program may be used only for the purposes of evaluating, demonstrating, developing, or testing application programs with your licensed use of the Program:

- **CICS® Transaction Gateway Version 3.1**
- **DB2 UDB Components**: The Program includes portions of DB2 UDB. You are authorized to install and use one copy of these components only in association with your licensed use of the VisualAge Java for the storage and management of data used or generated by the Program, and not for other data management purposes. For example, this license does not include inbound connections to the database from other applications for queries or report generation. You are authorized to install and use these components only with and on the same machine as the Program.
- **WebSphere Test Environment**: The Program includes the WebSphere Test Environment, which consists of (among other things) a development use only version of WebSphere Application Server, Advanced Edition. The WebSphere Test Environment contains certain third-party code, including Merant SequeLink drivers. Your use of the WebSphere Test Environment (including the Merant SequeLink drivers) is limited to use for the purposes of evaluating, demonstrating, developing or testing applications in the WebSphere Test Environment. In addition, the WebSphere Test Environment contains third-party code that is provided to you under terms and conditions that are different from this Agreement, or that requires IBM to provide you with certain notices and/or information, as referenced above.
- **WebSphere Application Server, Advanced Single Server Edition for Multiplatforms Version 4.0 (Development Use Only)**
- **HOD Connector**
- **Encina® Connector**: The Encina connector, which is built on top of the DE-Light product, supports development in the Program environment. Production is not supported; for that purpose, DE-Light, which is part of WebSphere, must be employed.
SAP Connector: The included and packaged SAP run-time library (librfc — access library to SAP R/3) is Copyright SAP AG. Deploying this required library with customer generated applications in a production environment is only valid with the sufficient amount of SAP R/3 licenses according to the terms and conditions of SAP R/3.

J2EE Connectors: The following J2EE Connectors are being provided as Beta componentry with the Program. The Program is designed to be fully functional without the installation of the J2EE Connectors. The J2EE Connectors are based on software developed by Sun Microsystems, Incorporated. Your use of such Beta software is subject to the terms and conditions of the agreement between Sun Microsystems, Incorporated and IBM. The relevant portion of this agreement is that the J2EE Connectors may only be used for the purpose of testing functionality and/or performance:

- J2EE Connector for SAP R/3: The SAP run-time library (librfc — access library to SAP R/3), included with the SAP J2EE Connector, and Connector and Access Builder for SAP R/3 is Copyright SAP AG. Deploying this required library with customer generated applications in a production environment is only valid with the sufficient amount of SAP R/3 licenses according to the terms and conditions of SAP R/3.
- J2EE Connector for PeopleSoft.
- J2EE Connector for J.D. Edwards OneWorld.
- J2EE Connector for Oracle Applications/Financials.
- J2EE Connector for CICS.

WebSphere Studio Application Developer: This software is the Beta version of the product.

Use of these components or any portion thereof for any other purpose, including without limitation productive use of the components or any portion thereof in or with your application programs or distribution of the components or any portion thereof in or with your application programs, is not permitted. If you want to make use of the components or any portion thereof for uses other than as provided above, such as productive use with your application programs, contact IBM for details on charges and license terms.

The components and features of the Program are to be used only for the development of applications using this Program. You may not use any components or features of this Program with any other program.

A separate authorization is required for each specific user with local or remote access to the Program or any portion of the Program.

Debugger: The Program includes a Distributed Debugger component. The customer may install the Distributed Debugger engine on multiple servers within its enterprise.

CICS Transaction Gateway Version 3.1: A license entitlement to use the CICS Transaction Gateway Version 3.1 is included at no additional charge with a license for any of the following:
- TXSeries™ Versions 4.2 and 4.3 for AIX, Solaris, Windows NT, or HP-UX
- WebSphere Application Server Enterprise Edition Version 3.0 and Version 3.5
- CICS Transaction Server for OS/2, Version 4.1
- CICS Transaction Server for OS/390, Version 1.1, or later
- CICS Transaction Server for VSE, Version 1.1

A license entitlement to use the CICS Transaction Gateway Version 3.1 allows you to:
- Use it to enable communication with any supported
  -- CICS server
  -- CICS Transaction Server
  -- IBM Transaction Server
  -- TXSeries server
  -- WebSphere AS EE server
- Make any number of copies for use within your enterprise, without charge or further licensing requirement. Use it for any number of users, without charge or further licensing requirement.

IBM Developer Kit 1.2.2: The Program includes the IBM Developer Kit 1.2.2. You may distribute any IBM Developer Kit 1.2.2 JRE files with your applications.

XML4J Parser: The XML4J Parser component of the Program includes software developed by The Apache Group. The portions of the XML4J Parser based on the source code for the Apache Xerces software are Copyright (c) 1995-1999 The Apache Group. All rights reserved. Your use of the source code for the Apache Xerces software accompanying the Program is subject to the terms and conditions of the license from The Apache Group. That license is found in the VisualAge for Java, Version 4.0 license itself. Refer to this license for other conditions related to the XML4J Parser.

IBM Operational Support Services — Support Line: Yes
AIX/UNIX® Upgrade Protection Applies: No
Entitled Upgrade for Current AIX/UNIX Upgrade Licensees: No
AS/400® Software Subscription Applies: No
Variable Charges Apply: No
Educational Allowance Available: Not applicable

Academic Certified Products
- Offered to: Students, faculty, staff of qualifying higher-education institutions
- Available through: IBM Academic Certified Remarketers Participating college bookstores
- Product List:

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Prices

VisualAge for Java, Professional Edition

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² One-time charge

VisualAge for Java, Enterprise Edition

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Electronic Software Delivery

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Upgrades

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VisualAge for Java, Enterprise Edition

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