IBM WebSphere Application Server Version 3.5 Advanced Edition for AS/400 Manages Your Enterprise-Wide Applications

Overview

WebSphere™ Application Server V3.5 Advanced Edition manages and integrates enterprise-wide applications while leveraging open Java™-based technologies and APIs. This Web application server deploys and manages Java applications and Enterprise JavaBean components. The latest version takes advantage of Java 2 Software Development Kit (SDK) 1.2.2 performance and capabilities and improves the overall usability of your applications.

WebSphere Application Server Advanced Edition furthers its strong reputation as an integral product in the IBM e-business platform and the WebSphere software family.

Key Prerequisites

- AS/400® systems hosting applications using Enterprise JavaBeans:
  - AS/400e™ Server 170 with processor feature 2385 (recommended minimum)
  - AS/400e Server 270 with processor feature 2252 or AS/400e Server 820 with processor feature 2396 (recommended minimum)
  - Recommended minimum 1 GB memory
- AS/400 systems hosting applications using servlets and JavaServer Pages only:
  - AS/400e Server 170 with processor feature 2292 or AS/400e Server 720 with processor feature 2061 (recommended minimum)
  - AS/400e Server 270 with processor feature 2248 or AS/400e Server 820 with processor feature 2395 (recommended minimum)

- Recommended minimum 512 MB memory
- OS/400® V4R4, or later
- PC running Windows NT™ V4.0 or Windows™ 2000 Version 5.0; Sun workstation running Solaris V2.6 and V7 at the latest available maintenance level; RS/6000® running AIX® V4.3.3.02, or later; HP workstation running HP-UX V11.0
- Java 2 SDK V1.2.2 on both the server and workstation
- Web browser on the client

At a Glance

WebSphere Application Server Version 3.5 Advanced Edition for AS/400 features:
- Enhanced support for Java 2 SDK V1.2.2 across operating systems
- Improved product integration with other key application offerings in IBM e-business platform, including VisualAge® for Java and WebSphere Commerce Suite
- Improved usability for administration

Planned Availability Date

- September 28, 2000, build to plan
- October 13, 2000, build to order

Versions 3.5 and 3.0.2

Note: The previous announcement of WebSphere Application Server Version 3.0.2 Advanced Edition (refer to Software Announcement 200-013, dated February 8, 2000) had a restriction on 5733-WA3. That restriction is removed and the product is available worldwide.

For ordering, contact:
Your IBM representative, an IBM Business Partner, or IBM Americas Call Centers at 800-IBM-CALL
Reference: AE001

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WebSphere Application Server V3.5 Advanced Edition adds the following features to an already function-rich environment.

Java 2 Software Development Kit (SDK) V1.2.2 Support

SDK 1.2.2 is the latest version of the Java Virtual Machine base required within the server run-time environment. WebSphere now supports SDK 1.2.2 and includes it in the product package across all supported operating platforms. SDK 1.2.2 increases performance and helps improve dynamic and static Web content.

Product Integration

WebSphere, core to the foundation services of the IBM e-business platform, is easily integrated with other leading products for a robust set of application solution offerings.

- Integration with WebSphere Commerce Suite is improved with performance and security features.
- Integration with VisualAge for Java Enterprise Edition is enhanced with support for the JDK 1.2 base across platforms when generating e-business applications such as servlets, and JavaServer Pages, JavaBeans, and Enterprise JavaBeans components.

Usability

Administrative procedures improve usability while maintaining a rich and flexible set of selectable configurations and prerequisites for tailored, open, and complete solutions.

WebSphere Application Server

WebSphere Application Server V3.5 Advanced Edition for AS/400 maintains the functions of the previous version, including:

- Rich e-business application deployment environment with a comprehensive set of application services for transaction management, security, clustering, performance, availability, connectivity, and scalability
- Leading-edge implementations of the most up-to-date Java-based technologies and APIs
- Comprehensive connectivity support for interacting with relational databases, object databases, transaction processing systems, MQ-enabled applications, and hierarchical databases
- Migration path to a more scalable and transactional environment from WebSphere Standard Edition for a complete Java-based Web application platform
- Focus on medium- to high-level transactional environments used in conjunction with dynamic Web content generation and Web-initiated transactions
- Performance and scaling attributes that support bean-managed and container-managed persistence for entity beans and session beans with transaction management and monitoring
- Container management and persistent storage within a transactional environment for servlets and Enterprise JavaBean components
- Rich XML parsing and configuration environment
- Tivoli®-ready modules that can be managed by Tivoli-based tools

Related Information

Customers with WebSphere V3.0 Advanced Edition who upgrade to WebSphere V3.5 will receive Site Analyzer V3.5 with the upgrade.

Year 2000

This product is Year 2000 ready. When used in accordance with its associated documentation, it is capable of correctly processing, providing, or receiving date data within and between the twentieth and twenty-first centuries, provided that all products (for example, hardware, software, and firmware) used with the product properly exchange accurate date data with it.

The service end date for this Year 2000 ready product is December 31, 2002.

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Java is a trademark of Sun Microsystems, Inc.

Tivoli is a registered trademark of Tivoli Systems, Inc. in the United States or other countries or both. In Denmark, Tivoli is a trademark licensed from Kjobenhavns Sommer—Tivoli A/S.

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Offering Information

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

http://www.ibm.com/wwoi

Publications

No publications are shipped with this program. An HTML version of the product documentation is available on the product CD-ROM. For optimal viewing of this documentation users need a Web browser that supports HTML 4 and Cascading Style Sheet (CSS). Terms and conditions for use of the machine-readable files are shipped with the files.

Technical Information

Hardware Requirements

AS/400® Hardware Requirements

- Systems hosting applications using Enterprise JavaBeans:
  - AS/400e™ Server 170 with processor feature number 2385 or AS/400e Server 720 with processor feature number 2062 (recommended minimum)
  - AS/400e Server 270 with processor feature number 2252 or AS/400e Server 820 with processor feature number 2396 (recommended minimum)
  - Recommended minimum 1 GB memory
- Systems hosting applications using servlets and JavaServer Pages only:
  - AS/400e Server 170 with processor feature number 2292 or AS/400e Server 720 with processor feature number 2061 (recommended minimum)
  - AS/400e Server 270 with processor feature number 2248 or AS/400e Server 820 with processor feature number 2395 (recommended minimum)
  - Recommended minimum 512 MB memory
- Systems below this recommended minimum can be used in environments supporting a small number of users and where longer server initialization times can be tolerated.
- Disk requirements:
  - *BASE (client application development software only): 500 MB during installation, 250 MB after installation
  - Option 1 (includes *BASE and WebSphere™ Application Server environment): 650 MB during installation, 450 MB after installation

- Communications adapter that supports TCP/IP
- AS/400 Workload Estimator for help with sizing all system configurations
  
  http://as400service.ibm.com/estimator

Workstation Hardware Requirements

- For Windows NT™:
  - Any Intel®-based PC running Windows NT V4.0 or Windows™ 2000
  - Support for a communications adapter or an appropriate network interface
  - Minimum 40 MB free disk space
  - Minimum 96 MB memory
  - CD-ROM
- For AIX®:
  - RS/6000® or RS/6000 SP™ running AIX V4.3.3.02, or later (5765-C34, 5765-655)
  - Support for a communications adapter or an appropriate network interface
  - Minimum 40 MB free disk space
  - Minimum 96 MB memory
  - CD-ROM
- For HP:
  - HP workstation running HP-UX 11.0, or later
  - Support for a communications adapter or an appropriate network interface
  - Minimum 40 MB free disk space
  - Minimum 96 MB memory
  - CD-ROM

Software Requirements

AS/400 Software Requirements

- OS/400® V4R4, or later (in an unrestricted state), to install and run
- Latest database enhance PAK or group PTF SF99104

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• Java Development Kit 1.2.2 provided via the AS/400 Developer Kit for Java (5769-JV1)
• OS/400 HostServers (5769-SS1 Option 12) for remote installation (installing to your AS/400 system from the CD-ROM of another workstation)
• OS/400 QShell Interpreter (5769-SS1 Option 30) for local installation from the CD-ROM
• AS/400 TCP/IP Connectivity Utilities/400 (5769-TC1) for remote installation (installing to your AS/400 system from the CD-ROM of another workstation)

DB2 Universal Database® (UDB) for AS/400 must be configured to work with WebSphere Application Server V3.5 Advanced Edition for AS/400 to run the WebSphere Application Server on AS/400.

DB2® Query Manager and SQL Development Kit for AS/400 (5769-ST1) is an optional requirement for developing client applications.

Note: If you need advanced schema mapping to database tables in Container Managed Persistent Entity Beans, you also need VisualAge® for Java Enterprise Edition 3.5.

Workstation Software Requirements
For Windows NT:
• Windows NT V4.0
• Java 2 SDK V1.2.2
• Web browser that supports HTML 4 and CSS

For Windows 2000:
• Windows 2000
• Java 2 SDK V1.2.2
• Web browser that supports HTML 4 and CSS

For Sun Solaris:
• Sun Solaris V2.6 or V7 at the latest available maintenance level of AIX V4.3.3.02
• Java 2 SDK V1.2.2.03
• Web browser that supports HTML 4 and CSS

For AIX:
• AIX V4.3.3.02, or later (5765-C34, 5765-655)
• Java 2 SDK V1.2.2.03
• Web browser that supports HTML 4 and CSS

For HP-UX:
• HP-UX 11.0, or later, at a maintenance level at April 2000, or later
• Java 2 SDK V1.2.2.03
• Web browser that supports HTML 4 and CSS

Install the WebSphere Application Server Administrative Console on your Windows NT, Sun Solaris, HP, or AIX workstation. The WebSphere Administrative Console requires 40 MB hard drive space and 64 MB RAM on your workstation.

TCP/IP must be installed and running on your workstation.

VisualAge for Java Enterprise Edition 3.5 is required if you need advanced data mapping to database tables in container-managed persistent entity beans.

Planning Information
Packaging: WebSphere Application Server V3.5 Advanced Edition for AS/400 is shipped in one package that contains the following:
• IBM International Program License Agreement (translated)
• Service and Support Information Sheet
• License information
• Proof of Entitlement (PoE)
• Ten CD-ROMs that contain the program code and the product documentation

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
WebSphere Application Server V3.5 Advanced Edition for AS/400 uses the security and auditability features of OS/400.

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
WebSphere Application Server V3.5 Advanced Edition for AS/400 is a stand-alone product with one charge unit — processors. It is available in units of one. The Processor Program Package feature (CD-ROM) is required for the first processor on the first server. A one-processor entitlement is required for each processor beyond the first one.

WebSphere Application Server V3.5 Advanced Edition for AS/400 is not available at a priced upgrade but is no-charge if you have AS/400 Software Subscription.

The price of WebSphere Application Server Version 3.5 Advanced Edition for AS/400 is based on the number of processors in the system.
Ordering Information (BTP)

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<th>Description</th>
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<th>Part Number</th>
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<td><a href="http://w3.Lotus.com/passportadvantage">http://w3.Lotus.com/passportadvantage</a></td>
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Media Part Description Number

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Type/Model Number Ordering Information (BTO)


An upgrade order to V3.5 from V3.0.2 is no-charge but requires an AS/400 Software Subscription. The upgrade order is similar to an initial order except that no billing feature is included.

Upgrades

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<tr>
<td>CD-ROM, 128-bit encryption, 1001 5849 5733-WA3 Processor Program Package</td>
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<td>128-bit encryption, 1002 5733-WA3 Processor Entitlement</td>
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<td>1 One-time charge</td>
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**Terms and Conditions**

| Licensing: IBM International Program License Agreement. PoE are required for all authorized use. |
| License Information Form Number: CT7HAIE |
| Limited Warranty Applies: Yes |
| Program Services: Available until December 31, 2002 |
| The service availability period for WebSphere Application Server V3.0.2 Advanced Edition for AS/400 has been extended from August 31, 2001, to December 31, 2001. |
| Money-Back Guarantee: Two-month, money-back guarantee |
| Copy and Use on Home/Portable Computer: No |
| Volume Orders (IVO): Yes, contact your IBM representative. |
| 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.

Support Line: Yes

Other Support: AS/400

AIX/UNIX® Upgrade Protection Applies: No

Entitled Upgrade for Current AIX/UNIX Upgrade Protection Licensees: No

AS/400 Software Subscription Applies: Yes

Variable Charges Apply: No

Educational Allowance Available: Yes, 15% education allowance applies to qualified education institution customers.

### Charges

#### Build to Plan

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<th>Description</th>
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<td>$7,500</td>
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Passport Advantage

Note: For Passport Advantage charges, contact your Lotus representative or authorized Lotus Business Partner. Additional information is also available on the Passport Advantage Web site:


Customer Financing: IBM Global Financing offers attractive financing to credit-qualified commercial and government customers and Business Partners in more than 40 countries around the world. IBM Global Financing is provided by the IBM Credit Corporation in the United States. Offerings, rates, terms, and availability may vary by country. Contact your local IBM Global Financing organization. Country organizations are listed on the Web at:


#### Order Now

Use Priority/Reference Code: AE001

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Fax: 800-2IBM-FAX
Internet: ibm_direct@us.ibm.com
Mail: IBM Atlanta Sales Center
      Dept. AE001
      P.O. Box 2690
      Atlanta, GA 30301-2690

You can also contact your local IBM Business Partner or IBM representative. To identify them, call 800-IBM-4YOU.

Note: Shipments will begin after the planned availability date.

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### Year 2000 Readiness Disclosure