IBM WebSphere Application Server, Advanced Single Server Edition for Multiplatforms V4.0 Builds Your E-infrastructure

Overview
WebSphere™ Application Server, Advanced Single Server Edition for Multiplatforms V4.0 is a lower total cost solution for Java™-based Web application serving within a dynamic e-business environment. With a rich set of application deployment services and transaction management, it features:

- Powerful Web services for interoperability and business-to-business applications
- Open standard implementations

Advanced Single Server Edition is an integral product in the IBM e-business platform and the WebSphere software family, with a growth path to the full multiserver Advanced Edition product. Features include:

- Integrated support for Web service open standards, positioning WebSphere Application Server as the industry’s first production-ready Web application server for the deployment of enterprise Web service solutions for dynamic e-business
- Full Java 2 Enterprise Edition (J2EE) platform certification with the richest set of enterprise Java open standard implementations on the market today
- Powerful interoperability between Web services and J2EE

Key Prerequisites
One of the following operating systems and, for viewing the product documentation, a Web browser that supports HTML 4 and Cascading Style Sheets (CSS):
- Windows NT® Server 4.0, SP 6a
- Windows® 2000 Server or Advanced Server SP1
- Sun Solaris Version V7 or V8 (both at a maintenance level of October 2000, or later)
- AIX® Version 4.3.3.07
- HP-UX V11.0
- Red Hat 7.1 or SuSE 7.1 Linux

Planned Availability Dates
Build to Plan
- June 29, 2001, electronic software delivery, English only
- July 13, 2001, program package, English only
- August 15, 2001, electronic software delivery, national language support
- August 31, 2001, program package, national language support

Build to Order
- July 27, 2001, program package, English only
- September 14, 2001, program package, national language support

At a Glance
WebSphere Application Server, Advanced Single Server Edition for Multiplatforms V4.0 features:

- Integrated support for open standards for Web services, positioning WebSphere Application Server as the industry’s leading production-ready Web application server for the deployment and integration of dynamic e-business solutions
- Full Java 2 Enterprise Edition (J2EE) platform certification with the richest set of enterprise Java open standard implementations on the market today
- Powerful interoperability between Web services and J2EE, enabling solution offerings for collaboration, business-to-business, portal serving, content management, commerce, and pervasive computing

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**

WebSphere Application Server, Advanced Single Server Edition for Multiplatforms V4.0 includes the following features as e-infrastructure enhancements.

**Powerful Web Services**

WebSphere Application Server, Advanced Single Server Edition for Multiplatforms V4.0 delivers the broadest enablement of enterprise applications and assets to Web services via its unparalleled connectivity and interoperability options:

- Universal Description, Discovery, and Integration (UDDI) enables e-business applications to communicate with the UDDI business registry.
- Simple Object Access Protocol (SOAP) provides a common format for transporting messages to and from a UDDI registry.
- XML enables flexible and interactive application communications.
- Web Services Description Language (WSDL) enables any Java-based application to interoperate with Web services applications.

These integrated Web services extend WebSphere leadership in Web-based distributed transactions to dynamic e-business solutions. Coupled with the upgraded XML parser, based on the open source products, Web service support provides a high degree of flexibility within the foundation Web application server.

**Platform Support**

WebSphere Application Server V4.0 now supports Red Hat and SuSE Linux. Consistent function and capabilities extend across all supported platforms. The expanded list of platforms also includes Windows NT, Windows 2000, Sun Solaris, AIX, and HP-UX.

**Rich J2EE Open Standard Implementations**

Full J2EE certification is only the beginning, with rich turbocharged enterprise Java implementations built in and support for the full range of Java-based APIs and protocols including:

- Compliance with Enterprise JavaBean (EJB) 1.1 component technology that uses XML-formatted descriptor information for increased levels of connectivity and control
- Support for JDK 1.3 across supported operating system platforms

**Interoperability**

Powerful interoperability between Web services and J2EE enables solution offerings for:

- Collaboration
- Business-to-business
- Portal serving
- Content management
- Commerce
- Pervasive computing

Open, flexible application deployment with a rich set of application execution services is integral to any WebSphere solution offering. WebSphere Application Server, Advanced Single Server Edition for Multiplatforms V4.0 is a core element of these offerings, and provides compatibility and interoperability with other key products, including:

- Lotus® Domino™ for e-collaboration
- WebSphere BtoB Integrator for business-to-business communications and Web services applications
- WebSphere Everyplace™ Suite for pervasive and mobile computing
- WebSphere Studio for development

**Transaction Management**

The EJB engine, supporting the latest EJB technology, monitors and controls containers used within the server. Persistent storage for transactional EJB components includes support for:

- DB2®
- Oracle databases
- Adding support for SequelLink Java Database Connectivity (JDBC) database drivers for Microsoft™ SQL Server

WebSphere Application Server, Advanced Single Server Edition for Multiplatforms V4.0 offers outstanding transaction and application execution management, including:

- Extensive logging and tracing facilities
- Online transaction debugger
- Application assembly tool
- Enhancements to the administrator client

**One-Touch Installation**

WebSphere Application Server, Advanced Single Server Edition for Multiplatforms V4.0 includes:

- Comprehensive and accurate Web-based documentation center that users can take advantage of right from the start
- Improved installation and administration procedures that offer a rich and flexible set of selectable configurations and prerequisites for tailored, open, and comprehensive solutions
- New and improved IBM HTTP Server (powered by Apache) with additional facilities for content repository management and performance (via fast-response caching)
- Improved support for the beans scripting framework to benefit users who generate applications with scripting
- Separately installable, J2EE and EJB client applications enable easier setup on a client machine of a J2EE-compatible client environment. This allows direct invocation of EJB and J2EE client components from applications on client machines.

**Building on a Firm Foundation**

This e-business application deployment environment includes a rich set of application services across a comprehensive list of operating platforms and implementations of leading-edge Java 1 technologies and APIs. It focuses on open standards and Web services to deliver an easy-to-use and flexible Web application server integral to solution offerings for commerce, collaboration, BtoB, and content management.
Related Information

WebSphere Application Server, Advanced Single Server Edition for Multiplatforms V4.0 includes software developed by the Apache Software Foundation for use in the Apache HTTP server project and other projects. For details, visit:

http://www.apache.org/

For updates to the following, visit:


The deployment environment of WebSphere plugs into the following Web servers:

- iPlanet Web Server Enterprise Edition 4.1 SP 7, for Windows NT, Windows 2000, Sun Solaris, AIX, and HP-UX
- Microsoft Internet Information Server Version 4.0 on Windows NT
- Microsoft Internet Information Server Version 5.0 on Windows 2000
- IBM HTTP Server Version 1.3.19 for Windows NT, Windows 2000, Sun Solaris, AIX, Linux, and HP-UX
- Lotus Domino Application Server Release 5.0.5 and 5.0.6 for Windows NT, Sun Solaris, AIX, Linux, and HP-UX

For easier and more cost-effective development of applications, you can download a development copy of the primary component (Java application engine) from:

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

This copy is for use in the development and testing, but not the deployment, of Web applications and no support is provided. Users are required to agree to these terms before completing the download. IBM reserves the right to withdraw this offer at any time without further notice.

Accessibility by People with Disabilities

The following Web-based standards apply to Administrative Consoles only.

<table>
<thead>
<tr>
<th>Section 508 Standard</th>
<th>WebSphere AE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Text equivalent</td>
<td>In compliance</td>
</tr>
<tr>
<td>Multimedia presentation</td>
<td>In compliance</td>
</tr>
<tr>
<td>Color</td>
<td>In compliance</td>
</tr>
<tr>
<td>Organization</td>
<td>In compliance</td>
</tr>
<tr>
<td>Server-side image maps</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Client-side image maps</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Data tables</td>
<td>In compliance</td>
</tr>
<tr>
<td>Multi-logic row or column headers</td>
<td>In compliance</td>
</tr>
<tr>
<td>Frames</td>
<td>In compliance</td>
</tr>
<tr>
<td>Flicker</td>
<td>In compliance</td>
</tr>
<tr>
<td>Text-only equivalent pages</td>
<td>In compliance</td>
</tr>
<tr>
<td>Scripting language</td>
<td>In compliance</td>
</tr>
<tr>
<td>Electronic forms</td>
<td>In compliance</td>
</tr>
<tr>
<td>Content tracking</td>
<td>In compliance</td>
</tr>
<tr>
<td>Timed response</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

The following checklist applies to the Java-based Application Assembly Tool and other optional Java-based and command-line tools.

Euro Currency

This program is not impacted by euro currency.

Statement of Direction

In addition to the platforms made available with this announcement, IBM also intends to provide the WebSphere Application Server, Advanced Single Server Edition for the iSeries platform (including its national language support) in the fourth quarter of 2001.

This product preview is based on IBM’s current intentions and development plans, which are subject to change or withdrawal without prior notice.

Trademarks

iSeries is a trademark of International Business Machines Corporation.
WebSphere and Everyplace are trademarks of International Business Machines Corporation in the United States or other countries or both.
AIX and DB2 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.
Domino is a trademark of Lotus Development Corporation.
Lotus is a registered trademark of Lotus Development Corporation.
Other company, product, and service names may be trademarks or service marks of others.
Offering Information

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

http://www.ibm.com/wwoi

Publications

A printed copy of the Getting Started document is shipped with the product. Help for the WebSphere™ Administrative Console is also shipped with the product. The Information Center, which includes the total set of product documentation, is available in HTML and PDF format from the Web site:


For optimal viewing of this documentation, you need a Web browser that supports HTML 4 and CSS. Terms and conditions for use of the machine-readable files are shipped with the files.

Technical Information

Hardware Requirements

For Windows NT® and Windows® 2000
• Any Intel-based PC running Windows NT Server V4.0 SP 6a, or later, or Windows 2000 Server or Advanced Server SP 1
• Intel Pentium™ processor at 500 MHz, or faster
• Support for a communications adapter
• Minimum 180 MB free disk space for installation (includes SDK)
• CD-ROM drive
• Minimum 384 MB memory; 512 MB recommended

For Sun Solaris
• Any workstation running Solaris V7 or V8 at a maintenance level of October 2000, or later
• Sparc workstation at 440 MHz, or faster
• Support for TCP/IP and an adapter
• Minimum 220 MB free disk space for installation (includes SDK)
• CD-ROM drive
• Minimum 384 MB memory; 512 MB recommended

Software Requirements: For updates to the following requirements, visit:


For Windows NT
• Windows NT Server 4.0 SP 6a, or later
• Netscape Communicator 4.7.3
• Web browser that supports HTML 4 and CSS

For Windows 2000
• Windows 2000 or Advanced Server SP 1
• Netscape Communicator 4.7.3
• Web browser that supports HTML 4 and CSS

For Sun Solaris
• Any Sparc workstation running Solaris V7 or V8 at a maintenance level of October 2000, or later
• Netscape Communicator 4.7.3
• Web browser that supports HTML 4 and CSS
For AIX

- AIX V4.3.3.07 (5765-C34)
- Netscape Communicator 4.7.3
- Web browser that supports HTML 4 and CSS

For HP-UX

HP-UX V11.0 with the following patches installed in this order:

- PHCO_19666
- PHCO_20765
- PHCO_20882
- PHKL_18543
- PHKL_20016
- PHKL_20202
- PHSS_17535
- PHSS_20864
- PHSS_21472
- PHSS_21493
- PHSS_21906

A system that needs European support requires additional patches listed at:

http://www.software.hp.com/products/EURO/

In addition, a system using Oracle 8i for the database requires Netscape Communicator 4.7.3 or any Web browser that supports HTML 4 and CSS and the following patches:

- PHCO_16039
- PHCO_16438
- PHCO_20816
- PHCO_21187
- PHKL_20674
- PHKL_21392
- PHKL_21532
- PHNE_21433
- PHSS_14581
- PHSS_16931
- PHSS_18066
- PHSS_20014
- PHSS_20578
- PHSS_20863
- PHSS_21701

The HP-UX operating platform does not support Brazilian Portuguese or True Type fonts required for DBCS.

For Linux

- Red Hat 7.1 or SuSe 7.1 Linux
- Netscape Communicator 4.7.6
- Web browser that supports HTML 4 and CSS

Planning Information

Direct Customer Support: Direct customer support is provided by Personal Systems Support Family for WebSphere Application Server, Advanced Single Server Edition for Multiplatforms V4.0 for Windows NT and Windows 2000, and by the AIX Support Family for AIX, Sun Solaris, HP-UX, and Linux. This fee service enhances customers’ productivity by providing voice and electronic access into the IBM support organization. Support personnel help answer questions pertaining to usage and suspected software defects for eligible products.

Packaging: WebSphere Application Server, Advanced Single Server Edition for Multiplatforms V4.0 is shipped in one package that contains the following:

- IBM International Program License Agreement (IPLA)
- Service and Support Information Sheet
- License information (LI)
- Proof of Entitlement (PoE)
- Hardcopy getting started instructions
- Five CD-ROMs that contain the program code
- Adding support for SequelLink JDBC database drivers for Microsoft™ SQL Server
- Two additional CDs providing the following function, added in the national language edition time frame:
  - SequelLink JDBC database drivers
  - J2EE and EJB client applications

This program, when downloaded from a Web site, contains the applicable IBM license agreement, and 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, Advanced Single Server Edition for Multiplatforms V4.0 uses the security and auditability features of the respective operating systems.

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, Advanced Single Server Edition for Multiplatforms V4.0 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 1 Processor Entitlement is required for each processor beyond the first one. WebSphere Application Server, Advanced Single Server Edition for Multiplatforms V4.0 is available at an upgrade price for those customers currently licensed for the following qualifying programs: WebSphere Application Server V1.0, V1.1, and V2.0, V3.0, and V3.5 Standard Edition. Only customers who have previously purchased WebSphere Application Server V3.5, Standard Edition using BTO PID numbers are eligible to use the BTO upgrade feature number. Upgrades can be acquired up to the current level of use authorized for the qualifying programs.

The price of WebSphere Application Server, Advanced Single Server Edition for Multiplatforms V4.0 is based on the number of processors in the system or node executing all or any part of the application. In the case of a symmetric multiprocessor (SMP) system, you must also acquire the 1 Processor Entitlement feature.
The following examples illustrate the pricing methodology:

- Two 4-way SMPs, whether stand-alone systems or nodes in a larger system, require the WebSphere Application Server, Advanced Single Server Edition for Multiplatforms V4.0 Processor Program Package and seven 1 Processor Entitlement features.

- Upgrade from WebSphere Application Server V2, Standard Edition on a 4-way SMP requires the WebSphere Application Server, Advanced Single Server Edition for Multiplatforms V4.0 Processor Program Package Upgrade and three 1 Processor Upgrade Entitlement features.


**Single Pallet Delivery:** Consolidates RS/600 hardware, AIX Version 4, and selected AIX licensed program orders into a single delivery. Effective with this announcement, WebSphere Application Server, Advanced Single Server Edition for Multiplatforms V4.0 continues single pallet delivery. The product’s entitled publications and media are consolidated with the RS/6000 system unit into a single delivery. The software orders affected are those ordered using the program number 5648-C84 BTO structure, designated as single pallet delivery, and tied to the same preinstalled RS/6000 system order. Select feature 3483 with a preinstalled RS/6000 order to choose single pallet delivery.

**WebSphere Application Server, Advanced Single Server Edition for Multiplatforms V4.0**

### Build to Plan

<table>
<thead>
<tr>
<th>Program Name</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English Only</strong></td>
<td></td>
</tr>
<tr>
<td>128-bit Program Pack</td>
<td>20P5170</td>
</tr>
<tr>
<td><strong>National Language Support</strong></td>
<td></td>
</tr>
<tr>
<td>128-bit Program Pack</td>
<td>20P5313</td>
</tr>
<tr>
<td>1 Processor Entitlement</td>
<td>20P5172</td>
</tr>
</tbody>
</table>

**English Only**

<table>
<thead>
<tr>
<th>Program Name</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic Delivery — 128-bit Program Pack</td>
<td>20P5177</td>
</tr>
<tr>
<td>Electronic Delivery —128-bit — Upgrade from WebSphere Application Server V2.0, V3.0, V3.5, Standard Edition and from V1.0 and V.1.1</td>
<td>20P5179</td>
</tr>
</tbody>
</table>

**National Language Support**

<table>
<thead>
<tr>
<th>Program Name</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic Delivery — 128-bit —</td>
<td>20P5320</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Program Name</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic Delivery —128-bit — Upgrade from WebSphere Application Server V2.0, V3.0, V3.5, Standard Edition and from V1.0 and V.1.1</td>
<td>20P5322</td>
</tr>
</tbody>
</table>

**Upgrades**

**English Only**

<table>
<thead>
<tr>
<th>Program Name</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program Package, 128-bit Upgrade from WebSphere Application Server V2.0/V3.0/V3.5, Standard Edition, and V1.0, V1.1</td>
<td>20P5173</td>
</tr>
</tbody>
</table>

**National Language Support**

<table>
<thead>
<tr>
<th>Program Name</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program Package, 128-bit Upgrade from WebSphere Application Server V2.0/V3.0/V3.5, Standard Edition, and V1.0, V1.1</td>
<td>20P5316</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Program Name</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Processor Upgrade Entitlement from WebSphere Application Server V2.0/V3.0/V3.5, Standard Edition and V1.0, V1.1</td>
<td>20P5175</td>
</tr>
</tbody>
</table>

**Passport Advantage**

**Volume Purchase Options**

<table>
<thead>
<tr>
<th>Program Name</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>License</td>
<td>D50D3LL</td>
</tr>
<tr>
<td>License + SW Sub to Anniv. Date</td>
<td>D50D4LL</td>
</tr>
<tr>
<td>License + SW Sub to 2nd Anniv. Date</td>
<td>D50D5LL</td>
</tr>
<tr>
<td>SW Sub Renewal</td>
<td>E0033LL</td>
</tr>
<tr>
<td>SW Sub after License to Anniv. Date</td>
<td>D50D6LL</td>
</tr>
<tr>
<td>SW Sub after License to 2nd Anniv. Date</td>
<td>D50D7LL</td>
</tr>
<tr>
<td>Upgrade</td>
<td></td>
</tr>
<tr>
<td>Trade-Up License + SW Sub to Anniv. Date</td>
<td>No SKU needed</td>
</tr>
</tbody>
</table>

**Contract Options**

<table>
<thead>
<tr>
<th>Program Name</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>License</td>
<td></td>
</tr>
<tr>
<td>License + SW Sub to Anniv. Date</td>
<td>D50D1LL</td>
</tr>
<tr>
<td>License + SW Sub to 2nd Anniv. Date</td>
<td>D50D2LL</td>
</tr>
<tr>
<td>SW Sub Renewal</td>
<td>E0034LL</td>
</tr>
<tr>
<td>Upgrade Only</td>
<td></td>
</tr>
<tr>
<td>SW Sub after License to Anniv. Date</td>
<td>D50E1LL</td>
</tr>
<tr>
<td>SW Sub after License to 2nd Anniv. Date</td>
<td>D50E2LL</td>
</tr>
<tr>
<td>Trade-Up License + SW Sub to Anniv. Date</td>
<td>D50JTLL</td>
</tr>
<tr>
<td>Trade-Up License + SW Sub + Support to Anniv. Date</td>
<td>D50JULL</td>
</tr>
</tbody>
</table>

**CO Support Options**

<table>
<thead>
<tr>
<th>Program Name</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Support to 2 Anniv. Date — FLAT</td>
<td>No SKU needed</td>
</tr>
<tr>
<td>Support to 1 Anniv. Date</td>
<td>D50D8LL</td>
</tr>
<tr>
<td>Licence + SW Sub + Support to Anniv. Date</td>
<td>D50D9LL</td>
</tr>
<tr>
<td>Licence + SW Sub + Support to 2nd Anniv. Date</td>
<td>D50E0LL</td>
</tr>
<tr>
<td>SW Sub &amp; Support after Licence to Anniv. Date</td>
<td>D50E3LL</td>
</tr>
<tr>
<td>SW Sub Renewal + Support Renewal to Anniv.</td>
<td>E0035LL</td>
</tr>
<tr>
<td>License + Support to Anniv. Date</td>
<td>No SKU needed</td>
</tr>
</tbody>
</table>
**WebSphere Application Server, Advanced Single Server Edition for Multiplatforms V4.0**

**Build to Order (5630-A23)**

<table>
<thead>
<tr>
<th>Description</th>
<th>OTC Feature Number</th>
<th>Medium Feature Number</th>
<th>Language Indicator</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CD-ROM</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program Pack — English</td>
<td>0006</td>
<td>5809</td>
<td>2924</td>
</tr>
<tr>
<td>1 Processor</td>
<td>0007</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Build to Order Upgrades**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Type</th>
<th>ASC Feature Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>5630-A23 W...</td>
<td>5692-SSO</td>
<td></td>
</tr>
</tbody>
</table>

**Software Subscription for AIX 5692-SSO**: Customers who purchased protection for V3.5 of WebSphere Application Server Advanced Edition (5648-C84) under Software Subscription for AIX (5692-SSO), are entitled to receive Version 4.0 of WebSphere Application Server Advanced Single Server Edition (5630-A23) at no charge. Eligible customers should add the applicable CD media supply feature number, from the table below, to their existing 5692-SSO record.

**Customization Options**: Select the appropriate feature number to customize your order with delivery options desired. This features can be specified on the initial or MES orders.

**Expedite Shipments**

- Local IBM office expedite (for IBM use only)
- Customer expedite process charge ($30 charge for each product)

**Terms and Conditions**

**Licensing**: IPLA. Proofs of Entitlement are required for all authorized use.
LI Form Number: CT055ML

Limited Warranty Applies: Yes

Program Services: Available until September 30, 2003

Money-Back Guarantee: 30-day, 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.

Usage Restriction: Yes

Restrictions

- Language support in the national language edition is limited to the languages supported by the operating system.
- InstantDB is a light-weight database provided for use by WebSphere samples only. Use of InstantDB for creation and deployment of CMP beans or persistence is not supported.
- Support for SequelLink JDBC database drivers on Microsoft SQL Server becomes available in the national language edition time frame
- Separately installable J2EE and EJB client applications becomes available in national language edition time frame

Deprecated Function

The use of the "servlet" configuration file by the WebSphere Application Server PageList Support will be deprecated. This does not mean that the PageList Support is to be deprecated, only the use of the "servlet" file.

Removed Function

- The WebSphere Application Server Connection Manager Version 2.0 APIs have been removed. Applications using this must be migrated to the new WebSphere Connection Pooling model.
- Support for processing JavaServer Pages (JSP) Version .91 has been removed.
- Support for processing JSP Version 1.0 has been removed. Because the JSP Version 1.1 specification is built on the JSP Version 1.0 specification, all JSPs developed at the Version 1.0 level specification will be directly compatible and capable of being executed on WebSphere Application Server Version 4.0.
- Native install capability for the UNIX-based platforms is removed. WebSphere Application Server Version 4.0 is installed using a Java-based install application, which includes the option of performing a "silent" install.
- Remote request invocation through the use of the OSE remote support is removed. The equivalent capability can be achieved through the use of the new HTTP transport support.
- Remote request invocation through the use of the servlet redirector support is removed. The equivalent capability can be achieved through the use of the new HTTP transport support.
- For those customers who have a "not supported" agreement with IBM for the use of the private enterprise performance monitoring (EPM) APIs, these APIs have been removed. The equivalent capability can be achieved through the use of the performance monitoring interface (PMI) APIs.
- The XMLConfig configuration tool is not included for the WebSphere Application Server Advanced Single Server Version 4.0. It is only included with the WebSphere Application Server Advanced Edition Version 4.0.
- The XMLConfig configuration tool is not included for the WebSphere Application Server Advanced Single Server Version 4.0. It is only included with the WebSphere Application Server Advanced Edition Version 4.0.

IBM Operational Support Services — Support Line: Yes

AIX/UNIX® Upgrade Protection Applies: Yes

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

AS/400® Software Subscription Applies: No

Variable Charges Apply: No

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

Prices

WebSphere Application Server, Advanced Single Server Edition for Multiplatforms, V4.0

<table>
<thead>
<tr>
<th>Build to Plan</th>
<th>Program Name</th>
<th>Part Number</th>
<th>OTC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program Name</td>
<td></td>
<td>20P5170</td>
<td>$8,000</td>
</tr>
<tr>
<td>North American Encryption English Only</td>
<td>Program Package, 128-bit</td>
<td>20P5172</td>
<td>7,975</td>
</tr>
<tr>
<td>North American Encryption National Language Support</td>
<td>Program Package, 128-bit</td>
<td>20P5313</td>
<td>8,000</td>
</tr>
<tr>
<td>North American Encryption Edition English Only</td>
<td>Program Package — Electronic Delivery, 128-bit</td>
<td>20P5177</td>
<td>7,975</td>
</tr>
<tr>
<td>Program Package — Electronic Delivery, 128-bit Upgrade from WebSphere Application Server V2.0 V3.0, V3.5, Standard Edition and from V1.0 and V.1.1</td>
<td>20P5179</td>
<td>7,195</td>
<td></td>
</tr>
<tr>
<td>Program Name</td>
<td>Part Number</td>
<td>OTC</td>
<td></td>
</tr>
<tr>
<td>--------------</td>
<td>-------------</td>
<td>------</td>
<td></td>
</tr>
</tbody>
</table>
| **North American Encryption Edition**  
National Language Support                  | | |
| Program Package — Electronic Delivery, 128-bit | 20P5320 | $7,975 |
| Program Package — Electronic Delivery, 128-bit Upgrade from WebSphere Application Server V2.0, V3.0, V3.5, Standard Edition and from V1.0 and V1.1 | 20P5322 | 7,195 |

**WebSphere Application Server, Advanced Single Server Edition for Multiplatforms, V4.0**

**Build to Order**

<table>
<thead>
<tr>
<th>Description</th>
<th>OTC Feature Number</th>
<th>OTC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English Only and National Language Support</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program Pack</td>
<td>0006</td>
<td>$8,000</td>
</tr>
<tr>
<td>1 Processor</td>
<td>0007</td>
<td>7,975</td>
</tr>
</tbody>
</table>

**Upgrades**

<table>
<thead>
<tr>
<th>Description</th>
<th>OTC Feature Number</th>
<th>OTC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upgrade from WebSphere Application Server V2.0/V3.0/V3.5, Standard Edition, and V1.0, V1.1 — 1 Processor</td>
<td>0012</td>
<td>7,205</td>
</tr>
</tbody>
</table>

**Software Subscription for AIX — 5692-SSO**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Type</th>
<th>ASC Feature Number</th>
<th>ASC</th>
</tr>
</thead>
<tbody>
<tr>
<td>5630-A23 WebSphere Application Server, Advanced Single Server Edition for Multiplatforms, V4.0 Processor Program Pack</td>
<td>Per Processor</td>
<td>0050</td>
<td>$1,600</td>
</tr>
</tbody>
</table>

Customer Financing: IBM Global Financing offers attractive financing to credit-qualified commercial and government customers and Business Partners in more than 40 countries. 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:

http://www.financing.ibm.com

Contact your sales channel for Support Line pricing information.
Use Priority/Reference Code: YE001

Phone: 800-IBM-CALL
Fax: 800-2IBM-FAX
Internet: ibm_direct@us.ibm.com
Mail: IBM Atlanta Sales Center
      Dept. YE001
      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.

Trademarks

WebSphere is a trademark of International Business
Machines Corporation in the United States or other countries
or both.
AIX, RS/6000, and AS/400 are registered trademarks of
International Business Machines Corporation in the United
States or other countries or both.
Pentium is a trademark of Intel Corporation.
Microsoft is a trademark of Microsoft Corporation.
Windows and Windows NT are registered trademarks of
Microsoft Corporation.
Java is a trademark of Sun Microsystems, Inc.
UNIX is a registered trademark of the Open Company in the United
States and other countries.
Other company, product, and service names may be
trademarks or service marks of others.