

IBM WebSphere Application Server is the industry's market leading foundation for building, deploying, reusing, integrating and managing applications and services



WebSphere software

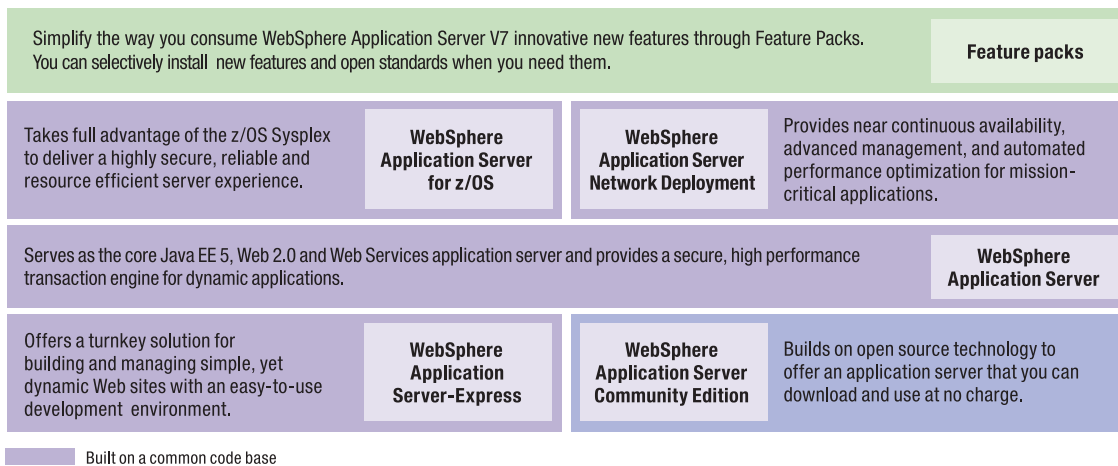
Choose an IBM WebSphere Application Server configuration to suit your business needs



Highlights

- ***Unparalleled performance delivered by optimized runtime performance resulting in fewer processors***
- ***Rock-solid security provided with out-of-the-box security configurations offer peace-of-mind***
- ***Application reuse and Integration enables re-use of applications and services and makes them accessible to new users in new ways***
- ***Intelligent management delivered through simplified infrastructure offers flexible and effective application control and runtime efficiency***
- ***Simplification for developers offers enhanced support for standards, emerging technology and a choice of development frameworks***
- ***High performance SOA environment provides a fast, secure, scalable and reliable environment that enables development and application efficiencies***

Your business faces tough challenges in today's global economy. Competition is becoming more intense. You can't keep pace by simply enabling content and applications to be accessed over the Web. Your business requires an agile, flexible, solid foundation for service oriented architecture (SOA) to align the advancements of business and IT. The WebSphere® Application Server family provides developers and IT architects with a choice of innovative, performance-based foundations for building and deploying all types of SOA applications and services, from business-critical and key enterprise-wide applications to the smallest departmental-level applications. This



choice allows for balancing key considerations such as security, scalability and manageability with cost and simplicity in homogenous or, especially, mixed environments.

IBM WebSphere Application Server V7 expands on previous versions by delivering complete Java EE 5 support and certification, Web services enhancements, and Enterprise JavaBeans (EJB) 3.0 and Web 2.0 Feature Pack support plus a range of features that can help improve productivity and efficiency. New management and administration features deliver application control and efficiency through runtime provisioning and

flexible management. Built on the industry-leading performance of past versions, WebSphere Application Server V7 further enhances performance by increasing data center efficiency through workload consolidation. Developer-focused features simplify the development environment and increase developer productivity. Security enhancements strengthen your ability to address vulnerabilities.

High Performance SOA Environment Anticipate and adjust to a constantly changing environment.

WebSphere Application Server V7 provides a fast, secure, scalable and reliable environment that enables development and application efficiencies so that businesses can do more with fewer resources.

WebSphere Application Server configurations

WebSphere Application Server V7 supports the broadest range of platforms in the industry, helping provide assurance that your applications can be built to run on the platform that makes sense for your business.

Table 1 describes the key features and functions of each WebSphere Application Server configuration, so that you can choose the configuration that best fits your current business strategy—and so that you can be prepared to grow your solution as your needs evolve.

	WebSphere Application Server Community Edition Version 2.1	WebSphere Application Server Express, Version 7	WebSphere Application Server, Version 7	WebSphere Application Server Network Deployment, Version 7	WebSphere Application Server for z/OS, Version 7
Optimized for:	Developers or businesses with deep Java skills that need quick access to open source technology to accelerate deployment of low-complexity projects with low transaction volumes	Small and midsize businesses that need an easy, affordable, ready-to-go solution to build, run and manage simple, dynamic Web sites and applications	Medium to large businesses that need to build, run and manage a scalable, single-server deployment environment	Large enterprises that need advanced management, automated performance optimization and near-continuous availability for their mission-critical applications	Large enterprises that can leverage z/OS qualities of service to achieve optimized performance and continuous availability for their mission-critical applications
Runtime provisioning	●	●	●	●	●
Production-use database	●				
Integration with IBM Rational® Application Developer assembly and deploy module for WebSphere, built on Eclipse	●	●	●	●	●
Full Java® EE 5 support	●	●	●	●	●
Enterprise Java Beans 3.0	●	●	●	●	●
WebSphere Application Server Feature Packs	●	●	●	●	●
Large-scale transaction support				●	●

	WebSphere Application Server Community Edition Version 2.1	WebSphere Application Server Express, Version 7	WebSphere Application Server, Version 7	WebSphere Application Server Network Deployment, Version 7	WebSphere Application Server for z/OS, Version 7
Rapid Java development and deployment kit (JDK) 6.0, Java Platform, Standard Edition 6 (Java SE 6.0)		●	●	●	●
24x7 product support	Available for fee	●	●	●	●
Advanced security		●	●	●	●
Broad operating-system support and database connectivity	●	●	●	●	● (See note 1 at the end of Table 2)
Dynamic caching				●	●
Simple failover	●	●	●	●	●
New administrative agent, to reduce overhead of administration		●	●	●	●
New job manager, to enable scalable remote administration				●	●
Advanced clustering	●			●	●
Workload management within a server: integrated with z/OS Workload Manager					●
Reporting and chargeback: granular reporting on resource consumption					●
Open source based	●				

Key: ● = fully supported, ● = partially supported, blank = not supported

Table 2. Specific features and functions of WebSphere Application Server configurations

	WebSphere Application Server Community Edition, Version 2.1	WebSphere Application Server Express, Version 7	WebSphere Application Server, Version 7	WebSphere Application Server Network Deployment, Version 7	WebSphere Application Server for z/OS, Version 7
Java programming model					
Full Java EE, Version 5.0 support and EJB 3.0	●	●	●	●	●
Java SE, Version 5	●	●	●	●	●
Java SE, Version 6	○	●	●	●	●
Java Persistence API (JPA)	●	●	●	●	●
Session Initiation Protocol (SIP)		●	●	●	○
JAX-WS 2.1	● Support for JAX-WS 2.0	●	●	●	●
JAXB 2.1	● Support for JAXB 2.0s	●	●	●	●
StAX 1.0	●	●	●	●	●
JSR 109 1.2	●	●	●	●	●
Portlet specification 2.0, Java Specification Requests (JSRs) 286		●	●	●	●
SAAJ 1.3 for enhancements in support of SOAP 1.2	●	●	●	●	●

	WebSphere Application Server Community Edition, Version 2.1	WebSphere Application Server Express, Version 7	WebSphere Application Server, Version 7	WebSphere Application Server Network Deployment, Version 7	WebSphere Application Server for z/OS, Version 7
Web 2.0 highlights					
Web 2.0 to SOA connectivity	●	●	●	●	●
AJAX Messaging	●	●	●	●	●
AJAX Development Toolkit	●	●	●	●	● (See note 2 at the end of Table 2)

Notes:

Web 2.0 support is provided by the WebSphere Application Feature Pack for Web 2.0, an optional product extension for WebSphere Application Server V7.0.

	WebSphere Application Server Community Edition, Version 2.1	WebSphere Application Server Express, Version 7	WebSphere Application Server, Version 7	WebSphere Application Server Network Deployment, Version 7	WebSphere Application Server for z/OS, Version 7
Web services support highlights					
OASIS WS-Reliable Messaging		●	●	●	●
OASIS WS-Secure Conversation		●	●	●	●
OASIS WS-Trust		●	●	●	●
OASIS WS-Transaction		●	●	●	●
OASIS WS-Security Policy		●	●	●	●
OASIS Kerberos Token Profile		●	●	●	●
W3C WS-Policy		●	●	●	●
W3C WS-Addressing Metadata		●	●	●	●
W3C SOAP 1.2		●	●	●	●
W3C MTOM and XOP		●	●	●	●
WS-Metadata Exchange		●	●	●	●
Interoperability with vendors such as Microsoft®		●	●	●	●

	WebSphere Application Server Community Edition, Version 2.1	WebSphere Application Server Express, Version 7	WebSphere Application Server, Version 7	WebSphere Application Server Network Deployment, Version 7	WebSphere Application Server for z/OS, Version 7
Application development and management					
Integrated development tool—Rational Application Developer for WebSphere (separately priced), trial included	●	●	●	●	●
Rational Application Developer, integrated with Rational Software Architect for WebSphere	●	●	●	●	●
Rational Application Developer: assembly and deploy function		●	●	●	●
WebSphere business-level applications, expanding the notion of “application” beyond Java EE 5		●	●	●	●
Advanced security					
WebSphere secure proxy				●	●
WebSphere security domains		●	●	●	●

	WebSphere Application Server Community Edition, Version 2.1	WebSphere Application Server Express, Version 7	WebSphere Application Server, Version 7	WebSphere Application Server Network Deployment, Version 7	WebSphere Application Server for z/OS, Version 7
New security auditing		●	●	●	●
Kerberos authentication and single sign-on		●	●	●	●
Common Criteria Assurance Level 4 certification		●	●	●	●
Leveraging the z/OS security environment without affecting the application interface					●
Platform support					
Microsoft Windows®, Linux®, IBM AIX® and Sun Solaris	●	●	●	●	
HP-UNIX®		●	●	●	
IBM i		●*	●	●	
Linux on IBM System z™	●		●	●	
64-bit addressing	●		●	●	●
Servers requiring more than 240 processor value units (PVUs)	●		●	●	●
z/OS and z/OS sysplex					●

* Available as part of IBM i Web Enablement package, 5722-WE2

	WebSphere Application Server Community Edition, Version 2.1	WebSphere Application Server Express, Version 7	WebSphere Application Server, Version 7	WebSphere Application Server Network Deployment, Version 7	WebSphere Application Server for z/OS, Version 7
Performance support					
Enhanced performance features, including edge-of-network services				●	●
Administration and workload management					
Flexible management		●	●	●	●
New runtime provisioning service	①	●	●	●	●
Migration support					
Migration documentation	●	●	●	●	●
Migration tools and assistance	①	●	●	●	●
Open source support					
Built on Apache Geronimo kernel	●				
IBM HTTP Server for WebSphere (powered by Apache)	●	●	●	●	●
Upgrade path					
Any WebSphere Application Server configuration, based on J2EE compatibility	●	●	●	●	●

Notes:

¹ z/OS is the only operating system supported.

² AJAX Development Toolkit can be used to produce applications for WebSphere Application Server for z/OS, but it does not run on z/OS.



For more information

To learn more about IBM WebSphere Application Server, please contact your IBM marketing representative or IBM Business Partner, or visit the following Web sites:

- ibm.com/software/websphere/appserv

© Copyright IBM Corporation 2008

IBM Corporation Software Group
Route 100
Somers, NY 10589
U.S.A.

Produced in the United States of America
September 2008
All Rights Reserved

IBM, the IBM logo, ibm.com, AIX, Rational, WebSphere and z/OS are trademarks of International Business Machines Corporation in the United States, other countries, or both. If these and other IBM trademarked terms are marked on their first occurrence in this information with a trademark symbol (® or ™), these symbols indicate U.S. registered or common law trademarks owned by IBM at the time this information was published. Such trademarks may also be registered or common law trademarks in other countries. A current list of IBM trademarks is available on the Web at "Copyright and trademark information" at ibm.com/legal/copytrade.shtml.

Java and all Java-based trademarks and logos are trademarks of Sun Microsystems, Inc. in the United States, other countries, or both.

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

Microsoft and Windows are trademarks of Microsoft Corporation in the United States, other countries, or both.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Other product, company or service names may be trademarks or service marks of others.

TAKE BACK CONTROL WITH **WebSphere**



Recyclable, please recycle.

WSD14023-USEN-00