

WebSphere. software

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



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. You have to find ways to maximize flexibility so that you can integrate existing data stores, applications and Web services that exist in heterogeneous environments and on different sides of firewalls.

Perhaps you just need quick, no-cost access to open-source technology to speed deployment of less-complex projects. Maybe you're looking for an easy, affordable, ready-to-go solution that provides everything you need to get up and running quickly.

Or your needs could be more sophisticated. You might need to build and run scalable departmental applications and Web services. Or maybe you need advanced management and near-continuous availability to handle the toughest environments.

Whatever your business needs — now and in the future — IBM WebSphere® Application Server combines features to support dynamic applications, ease of management and the latest Java™ 2 Platform, Enterprise Edition (J2EE) technology and Web services standards with proven scalability and performance. Whether your organization is a small or midsize business, or a large, global enterprise, there is a WebSphere Application Server configuration that can address your unique business requirements (see Table 1).

Table 1. A variety of configurations to handle your unique business needs

	WebSphere Application Server Community Edition, Version 1	WebSphere Application Server - Express, Version 6	WebSphere Application Server, Version 6	WebSphere Application Server Network Deployment, Version 6
Optimized for	Developers or businesses with deep Java skills that need quick, no-cost 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 scalable, departmental applications and Web services	Large enterprises that need advanced management, automated performance optimization and near-continuous availability for their critical applications
No-charge access to production code	●			
Small footprint	●			
Production-use database	●			
Integrated visual tools		●		
Compatible with J2EE, Version 1.4	●	●	●	●
Web Services Interoperability (WS-I) Basic Profile (Plus)	●	●	●	●
Transaction support	●	●	●	●
Visual administration console	◐	●	●	●
Rapid Java development and deployment	◐	●	●	●
24x7 product support	Available separately	●	●	●
Advanced security		●	●	●
Broad operating-system support and database connectivity		◐	●	●
Dynamic caching		◐	◐	●
Simple load balancing			●	●
Centralized system management				●
Advanced clustering				●
High availability and scalability				●

Key: ● = fully supported ◐ = partially supported no circle = not supported

Table 2 is designed to help you understand 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.

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

	WebSphere Application Server Community Edition, Version 1	WebSphere Application Server - Express, Version 6	WebSphere Application Server, Version 6	WebSphere Application Server Network Deployment, Version 6
Java programming model				
Full J2EE, Version 1.4 support	●	●	●	●
Support for JavaServer Pages (JSP), Version 2 and Java servlets, Version 2.4	●	●	●	●
Java application programming interface (API) for XML registries (JAXR)	●	●	●	●
JAX-Parsing (JAXP), Version 1.2	●	●	●	●
JAX-Remote Procedure Call (RPC) support	●	●	●	●
Java Specification Request (JSR) 109 support	●	●	●	●
Enterprise Java Beans (EJB), Version 2.1	●	●	●	●
Java Message Service (JMS), Version 1.1	●	●	●	●
Java Management Extensions (JMX), Version 1.2 and JSR-077 (for J2EE management)	●	●	●	●
JSR-088 (for J2EE deployment)	◐	●	●	●
Java Authorization Contract for Containers (JACC), Version 1.0	●	●	●	●
JavaServer Faces (JSF) support		●	●	●
Web services support				
Support for private Universal Description, Discovery and Integration (UDDI) registries	●	●	●	●
UDDI, Version 3		●	●	●
Advanced Web services that can operate across disparate application frameworks				●
Extended Web services management capabilities				●
WS-Security		●	●	●
WS-I Basic Profile, Version 1.1	●	●	●	●
Web services transactions (WS-TX)		●	●	●
SOAP with attachments API for Java (SAAJ), Version 1.1	●	●	●	●
Database support and connectivity				
Java Database Connectivity (JDBC) and connection management for access to:				
• IBM Cloudscape™	● ¹	●	●	●
• IBM Informix® and Sybase ²		●	●	●
• IBM DB2® Universal Database™, Microsoft® SQL Server and Oracle	●	●	●	●

	WebSphere Application Server Community Edition, Version 1	WebSphere Application Server - Express, Version 6	WebSphere Application Server, Version 6	WebSphere Application Server Network Deployment, Version 6
JDBC for access to IBM DB2 Universal Database for i5		●	●	●
Application development				
Sample applications	●	● ³	●	●
Integrated development tool— IBM Rational® Web Developer		●		
IBM Rational Application Developer tools available		●	●	●
Eclipse plug-in tool	●			
Extended SOAP element support		●	●	●
Integrated On Demand Business applications				
IBM Telephone Directory		●		
IBM Welcome Page		●		
IBM Tivoli® Directory Server		●	●	●
Web server support				
IBM HTTP Server, Version 1.1 included		●	●	●
WebSphere plug-ins		●	●	●
Apache Tomcat HTTP Server	●			
Security				
Basic authentication and authorization for security-rich access to Web resources	●	●	●	●
Enhanced support through Common Security Interoperability (CSI), Version 2.0, single sign-on and support for Lightweight Directory Access Protocol (LDAP)	●	●	●	●
Advanced support, through Java Authentication and Authorization Service (JAAS) and Java Cryptographic Extension (JCE)	●	●	●	●
IBM Tivoli Access Manager		●	●	●
Platform support				
Support for Microsoft Windows® and Linux® systems	●	●	●	●
Support for IBM OS/400®, IBM i5/OS™, IBM AIX® systems, Sun Solaris operating environment and Linux		●	●	●
Support for Linux on IBM System z™ servers			●	●
64-bit support			●	●
Support for servers with more than four processors ⁴			●	●
Application connectivity				
Full JMS support	●	●	●	●
Microsoft component object model architecture to Enterprise ActiveX client and server resources ⁵			●	●
Performance support				
Enhanced features for performance, such as dynamic caching, IBM Tivoli Performance Viewer software and integration with vendor tools		●	●	●

	WebSphere Application Server Community Edition, Version 1	WebSphere Application Server - Express, Version 6	WebSphere Application Server, Version 6	WebSphere Application Server Network Deployment, Version 6
Enhanced performance features, including edge-of-network services				●
Administration and workload management				
Simplified administration using the development-tool interface		●		
Web browser-based remote administration		●	●	●
Convenient administration through visual-management console	●	●	●	●
Intelligent workload distribution across a cluster				●
Failure bypass				●
Clustering support				●
Simple failover and load balancing			●	●
Advanced remote administration and management				●
Server start-up optimizations, including deferral of processing		●	●	●
Optimized parsing support		●	●	●
Tight integration with Tivoli management tools		●	●	●
Migration support				
Migration documentation	●	●	●	●
Migration tools and assistance		●	●	●
Technical support				
Technical support available as a separate purchase	●			
24x7 technical support standard		●	●	●
Open-source support				
Built on Apache Geronimo kernel	●			
Including other open-source projects like Active MQ and OpenEJB	●			
Upgrade path				
Any WebSphere Application Server configuration, based on J2EE compatibility	●	●	●	●
WebSphere Application Server, with trade-up part number D520MLL		●		
WebSphere Application Server Network Deployment with trade-up part number D520TLL			●	
WebSphere stack products such as WebSphere Extended Deployment and WebSphere Process Server				●

Notes:

1. Supported for development and production.
2. Not supported for IBM @server® i5 systems.
3. Samples integrated with the tool for quick development.
4. WebSphere Application Server - Express is restricted to two processors per server. WebSphere Application Server Community Edition is restricted to four processors per server. WebSphere Application Server and WebSphere Application Server Network Deployment are not limited.
5. Not supported for i5 systems.



A flexible On Demand

Business infrastructure

WebSphere Application Server provides flexible options and a smooth migration path to help you develop and maintain complete solutions. It is designed to help you reach your business objectives—wherever your organization is on the path to becoming an On Demand Business. Choose the level of capability best suited for today's needs and expand as your business needs change.

For more information

To learn more about IBM WebSphere Application Server, contact your IBM representative or IBM Business Partner, or visit:

[ibm.com/software/websphere/
appserv](http://ibm.com/software/websphere/appserv)

To join the Global WebSphere Community, visit:

www.websphere.org

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