



Expand your business opportunities and productivity.

Build, deploy and grow your e-business using a solid foundation. IBM WebSphere® Application Server, Version 5 is a fast, scalable and reliable server based on Java™2 Platform, Enterprise Edition (J2EE) technology. It creates an environment that can boost developers' productivity in deploying dynamic e-business applications, handling high transaction volumes and extending back-end business data and applications to the Web. It also delivers flexible configuration and deployment options to meet needs for stand-alone, multiserver distributed and highly dynamic decentralized distributed environments — whether you are just getting started or are looking for extended integration capabilities for sophisticated cross-enterprise usage, WebSphere Application Server allows you to choose the right application server to

meet your needs. As your e-business requirements change, you can migrate smoothly to the greater functionality and higher qualities of service offered by other configurations. With IBM WebSphere Application Server, Version 5, you can:

- *Get to market faster, by quickly designing new applications that are ready to be integrated as Web services — and by leveraging existing software through customizable, programmatic adapter technology that's built-in.*
- *Administer, deploy and manage applications with agile setup options and administration features.*
- *Enhance developer productivity with an integrated, open-standards-based development environment that features customizable, best-of-breed tools and promotes reuse of modular resources.*
- *Meet the changing demands of dynamic e-business using intelligent, end-to-end application optimization built with industry-leading reliability, scalability and performance in a secure environment.*

Based on open standards like J2EE technology and Web services, WebSphere Application Server, Version 5 enhances application integration with other departments, companies or platforms through its common approach to leveraging multiple application assets. J2EE 1.3 technology-compatible, WebSphere Application Server, Version 5 is standards-compliant and robust, leveraging proven IBM technology—for example, an integrated Java Message Service (JMS) subsystem based on market-leading IBM WebSphere MQ technology.

WebSphere Application Server, Version 5 extends the J2EE 1.3 programming model by providing a comprehensive infrastructure to support production-ready deployment of Web services-based applications. It supports core Web services standards like

XML, Simple Object Access Protocol (SOAP) and Web Services Description Language (WSDL). It also offers a private Universal Description, Discovery and Integration (UDDI) registry—facilitating easier deployment of internal Web services applications. Its Web services gateway allows external applications requesting Web services to securely access an internal Web services provider application. WebSphere Application Server, Version 5 also gives users the ability to deploy Web services with their communication mechanism of choice, including SOAP and HTTP, JMS or Remote Method Invocation Internet Inter-ORB Protocol (RMI/IIOP).

WebSphere Application Server and associated IBM WebSphere Studio development tools leverage the Eclipse workbench technology—an open source initiative driven by IBM and other development tool vendors—that helps to tightly integrate multiple vendors' tools, to enhance developer productivity. WebSphere Application Server, Version 5 helps you prepare for the future by delivering dynamic caching, content-based routing, load balancing and content distribution to intelligently optimize your application from end-to-end.

For more information

To learn more about IBM WebSphere Application Server, visit ibm.com/websphere.

WebSphere Application Server, Version 5—a comprehensive, build-to-integrate platform

Market need	Solution
Enable dynamic application interactions. Build new applications that initiate and respond to synchronous and asynchronous invocations, conversations and broadcasts.	Extended mixed-mode asynchronous or synchronous services as part of the native J2EE 1.3 and Web services programming and runtime environment
Reuse and integrate disparate systems and applications. Build new applications that integrate multiple back-end systems and applications requiring data transformation and transactional integrity.	An environment to help you visually create dynamic application adapters that easily integrate with complex, multimodal transactional schemes
Unleash powerful Web services. Create new business opportunities by exposing business and application services for integration with other divisions, companies or platforms.	The capability to build, publish and manage integration-ready application services that can be consumed by other internal or external businesses or platforms
Choreograph application interactions. Develop realtime, adaptive applications composed of Web services and other application components.	An innovative, easy-to-use J2EE platform that enables you to visually compose and choreograph application components and Web services with behaviors that can be altered dynamically by users and rules engines, or by developers

WebSphere Application Server, Version 5 — highly integrated application development

Market need	Solution
Build quickly, expand easily. Build applications quickly and expand them easily to meet future needs — without extensive rework.	A single application server that easily adapts to meet changing needs and differing sophistication levels
Maximize value of development assets. Reuse and consolidate new and existing development assets.	An open standards-based approach that transforms application assets into modular, network-accessible services that are easily identified and reused
Increase developer productivity. Integrate best-of-breed tools in a single environment, simplifying the transition from development to deployment.	An integrated development experience and environment to help reduce errors and simplify application development, testing and deployment
Develop dynamic applications. Develop sophisticated and dynamic applications that can be adapted to changing business environments.	Advanced legacy system extensions to simplify development of dynamic applications

WebSphere Application Server, Version 5 — agile deployment and administration

Market need	Solution
Deploy efficiently. Simplify deployment tasks, making the process more intuitive and productive.	A centralized interface you can use to manage multiple applications and middleware, helping reduce complexity and management costs
Manage easily. Manage application server environments more efficiently and intelligently.	Automation across many application server management functions, helping enhance productivity and reduce administrative costs
Grow from any starting point. Start with the capabilities you need today — and grow easily as future requirements demand.	Flexible configurations to help your business evolve without disruption

WebSphere Application Server, Version 5 — intelligent end-to-end application optimization

Market need	Solution
Handle volumes dynamically. Handle unpredictable volumes without diminishing user experience.	Consistent, leading-edge performance and scalability, maintaining high responsiveness to constantly changing environments
Help you stay always on, always available. Deliver dependable system availability to build loyalty and avoid costly downtime.	Fault tolerance to provide customers and trading partners with high-quality service
Instill confidence. Help build secure applications that leverage leading-edge security policies and instill customer confidence.	Enhanced authorization and authentication capabilities for applications and users, helping enable secure e-business
Harness the power of IBM z/OS™ platform. Leverage existing hardware investments through optimized connections to z/OS platform resources.	Benefits of the powerful z/OS platform to help existing z/OS platform customers extend their e-business environments

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