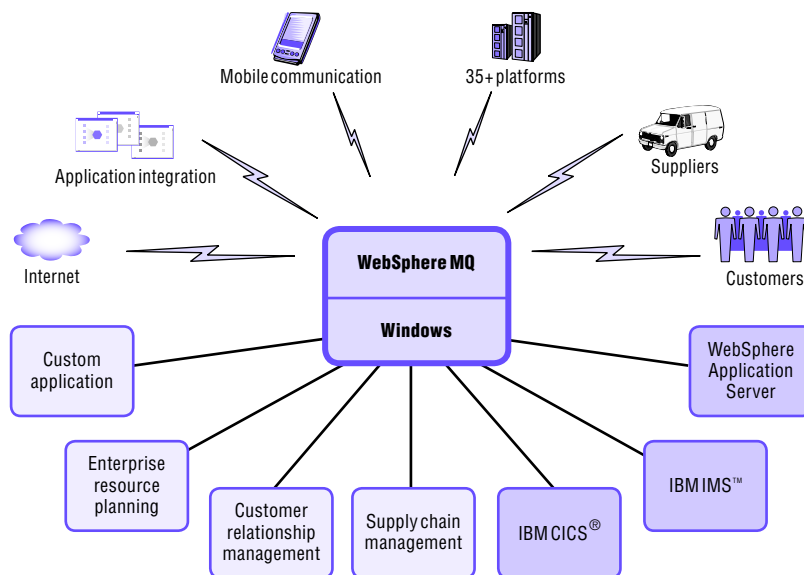


WebSphere MQ for Windows, Version 5.3

Highlights

- **Transports data between more than 35 WebSphere MQ and MQSeries platforms, allowing encryption if required**
- **Enables participation in publish and subscribe as part of a WebSphere MQ publish and subscribe network**
- **Supports clusters of queue managers to simplify administration, workload balancing and communication failover**
- **Provides three high-level-language APIs: MQ API, JMS and downloadable Application Messaging Interface (AMI)**



WebSphere MQ for Windows, Version 5.3 enables business applications to exchange information across different platforms.

In today's fast-paced business environment, you need to use your skills to handle key business requirements instead of wrestling with underlying network complexities. IBM WebSphere® MQ messaging products enable application integration and assure once-only delivery of important messages. They deal with communication protocols, as well as dynamically distribute workload across available resources. And they can handle recovery after system problems and help make programs portable. Offloading these time-consuming tasks to reliable WebSphere MQ application integration software frees you to complete work that is critical to your organization.

A common API for simpler integration

WebSphere MQ provides a common, multiplatform application programming interface (MQ API) that enables application integration and makes programs portable. It helps business applications exchange information—sending and receiving data as messages—across different platforms.

A key feature of WebSphere MQ is time-independent processing—messages are stored reliably for later delivery, even if one of the recipients is temporarily unavailable. Using WebSphere MQ to send and receive messages allows your Microsoft® Windows® system to integrate applications on diverse platforms, enabling participation in business process integration. You can further tailor your WebSphere MQ installation by downloading many official product extensions from the Web, at no charge.

WebSphere MQ for Windows, Version 5.3

IBM WebSphere MQ for Windows, Version 5.3 uses sophisticated security using Secure Sockets Layer (SSL), the Internet standard for secure communication. There are enhanced features for performance—especially for Java® Message Service (JMS), system scalability and reliability—which are particularly useful for clustering of systems that can share workload. It is now possible for programmers to use API exits to allow monitoring or for local standards to be implemented. WebSphere MQ for Windows, Version 5.3 maintains compatibility with the previous release—IBM MQSeries® for Windows NT and Windows 2000, Version 5.2.

WebSphere MQ messaging forms the key business integration layer of the WebSphere software platform for e-business.

IBM WebSphere MQ for Windows, Version 5.3 at a glance

Hardware requirements

System	<ul style="list-style-type: none"> Any Year 2000-compliant 32-bit Intel®-based PC hardware (or equivalent) that is explicitly compatible and fully capable of running the specified operating system, all the corresponding supporting software shown below and any associated unmodified applications. Responsibility to provide statement of full compatibility between machines lies with the original equipment provider.
Connectivity	<ul style="list-style-type: none"> Communication hardware supporting NetBIOS, Systems Network Architecture (SNA) LU 6.2, TCP/IP and SPX

Software requirements

Operating environment	<ul style="list-style-type: none"> Microsoft Windows 98 (client support only) Microsoft Windows NT®, Version 4.0, to include NetBIOS, TCP/IP and SPX with Service Pack 6a Microsoft Windows 2000 with Service Pack 2 (Professional or Server Edition) Microsoft Windows XP¹ (Professional or Server Edition)
WebSphere MQ clients	<ul style="list-style-type: none"> Software requirements are identical for server and client Windows environments unless otherwise stated.
Connectivity	<ul style="list-style-type: none"> IBM Communications Server for Windows NT, Version 5.0 or Version 6.1.1 Attachmate Extra! Personal Client, Version 6.7 Attachmate Extra! Enterprise 2000 Microsoft SNA Server, Version 4.0 Microsoft Host Integration Server 2000 TCP/IP provided by operating system NetBIOS provided by operating system SPX provided by operating system
Windows NT prerequisites	<ul style="list-style-type: none"> Netscape Navigator, Version 4.04 with Java AWT, or higher Internet Explorer, Version 4.01 with Service Pack 1, or higher HTML Help, Version 1.2 Active Directory Services Interface, Version 2.0 Microsoft Management Console, Version 1.1
Distributed Computing Environment (DCE) ²	<ul style="list-style-type: none"> IBM DCE, Version 1.1

Note: To enable users to run the MQ-supplied DCE send, receive or message exits, this must be the U.S. domestic version supporting DES encryption.

Supported languages and compilers	<ul style="list-style-type: none"> Microsoft Visual C++, Version 6.0 IBM VisualAge® COBOL Enterprise, Version 2.2 IBM VisualAge PL/I for Windows, Version 2.1 Micro Focus Net Express, Version 3.0 or Version 3.1 Microsoft Visual Basic, Version 6 or Version 7
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IBM WebSphere MQ for Windows, Version 5.3 at a glance (continued)

Options

External transaction processing managers (coordination through X/Open XA interface, server only)	<ul style="list-style-type: none">• IBM WebSphere Application Server, Version 4.0• IBM TXSeries™, Version 4.3• BEA Tuxedo, Version 6.4 or 6.5• MTS/COM+
Databases (server only) as a resource manager under MQ coordination	<ul style="list-style-type: none">• Oracle 8i, Release 3 or Oracle 9i• IBM DB® Universal Database™, Version 7.2• Sybase 12 and 12.5
Lightweight Directory Access Protocol (LDAP) support (server only)	<ul style="list-style-type: none">• Netscape Directory Server, Version 3.1 with relevant Year 2000 fixes
WebSphere MQ client support (for Windows NT, Windows 2000 and Windows XP only)	<ul style="list-style-type: none">• Microsoft Windows Terminal Server feature

WebSphere MQ requirements for Java applications

WebSphere MQ classes for JMS (supplied in the product)	<ul style="list-style-type: none">• To run MQ for Java, you need the following:<ul style="list-style-type: none">– WebSphere MQ as supplied in the product– Java 2 Software Development Kit (JDK) or Java Runtime Environment (JRE) for the server and/or client platforms• To run Publish/Subscribe applications, you need one of the following:<ul style="list-style-type: none">– SupportPac MA0C: MQSeries — Publish/Subscribe– IBM WebSphere Integrator, Version 2
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Note: If a TCP/IP client connection is used, the application does not have to reside on the system hosting the WebSphere MQ server.

Programming and JREs	<ul style="list-style-type: none">• IBM Developer Kit for Windows, Java Technology Edition, Version 1.3.3
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Note: For full provision of SSL authentication to enable WebSphere MQ Java and JMS applications to benefit from secure connection to the queue manager (authentication, message integrity, data encryption), a platform JRE at Version 1.4.0 is required. For details on IBM Developer Kits refer to ibm.com/developerworks/java.

Clients	<ul style="list-style-type: none">• Clients for this and other WebSphere MQ platforms are supplied with this product.
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Program information

- Program number: 5724-B41
 - Part number: BA05SML
 - Language features: multilingual
 - Available as media packs or software download
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¹ Windows XP support is available after general availability of the product.

² IBM DCE support for Windows 2000 is not yet available.

Business integration building blocks

With the IBM WebSphere MQ family, you can combine business integration products and solutions selectively or build one upon the other to help integrate business processes within and across enterprises.

WebSphere MQ for Windows, Version 5.3 is part of the IBM WebSphere software platform for e-business—a set of integrated, award-winning e-business solutions. No matter where you are in the e-business cycle, the WebSphere software platform can allow you to grow—at the speed the market demands.

Building on this robust platform, you can connect diverse IT environments to maximize your current investments and leverage existing skills with a full range of business integration solutions from the IBM WebSphere MQ family of products.

For more information

IBM WebSphere MQ for Windows, Version 5.3 is an integral middleware component of the WebSphere software platform for e-business. To learn more about the WebSphere MQ (formerly known as IBM MQSeries) family of products and how WebSphere MQ for Windows, Version 5.3 can help streamline the management of your e-business processes, visit:

ibm.com/mqseries

Product	Function	Benefit
IBM WebSphere MQ	Messaging integration	Integrate applications across more than 35 platforms with assured once-only message delivery.
IBM WebSphere MQ Everyplace™	Mobile integration	Securely extend your e-business integration to a mobile workforce.
IBM MQSeries Adapter Offering	Application adapters	Rapidly develop adapters to integrate custom applications.
IBM WebSphere Adapters	Packaged application adapters	Utilize prebuilt application adapters to integrate packaged software, like Ariba Buyer and SAP.
IBM WebSphere MQ Integrator	Wide-scale messaging integration	Enable dynamic, distributed, event-driven application integration.
IBM WebSphere Data Interchange	Electronic Data Integration (EDI) translation	Translate business information for exchange with trading partners.
IBM CrossWorlds Interchange Server	Process-based integration	Coordinate business applications across multiple processes.
IBM CrossWorlds Collaborations	Industry-specific solution templates	Leverage proven industry solutions for fast deployment.
IBM CrossWorlds Trading Partner Integration	Business-to-business integration	Automate supply-chain interaction through a gateway for business-to-business communication.
IBM WebSphere Partner Agreement Manager	Business-to-business integration with RosettaNet	Participate with trading partners in RosettaNet communications.
IBM MQSeries Workflow	Business process management	Define and execute complete business processes.
HOLOSOFX BPM Suite	Business process modeling and monitoring	Model, simulate and monitor business processes that execute in the runtime for MQSeries Workflow.



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