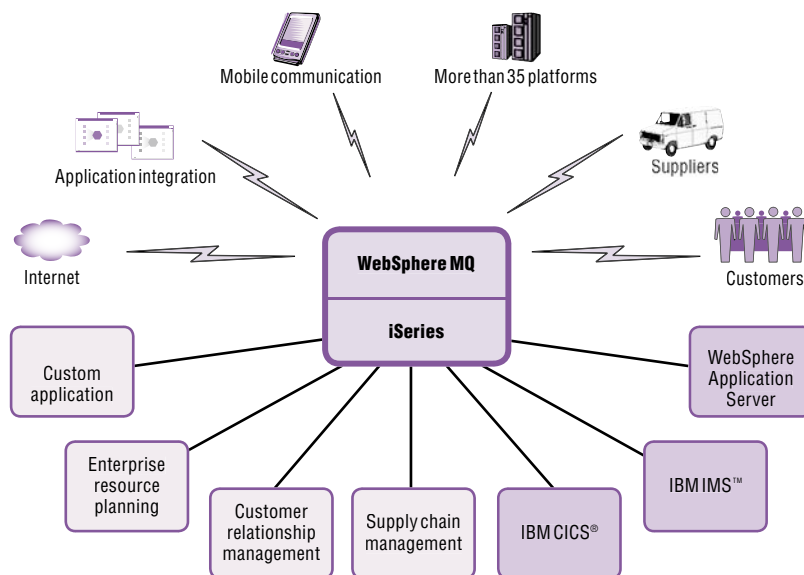**IBM**

WebSphere® software

IBM WebSphere MQ for iSeries, Version 5.3

Highlights

■ *Transports data between more than 35 WebSphere MQ and MQSeries platforms, allowing encryption if required*

■ *Supports clusters of queue managers to simplify administration, workload balancing and communication failover*

■ *Enables participation in publish and subscribe as part of a WebSphere MQ publish and subscribe network*

■ *Provides three high-level-language APIs: Message Queueing Interface (MQI), JMS and downloadable Application Messaging Interface (AMI)*

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.

Mobile communication

More than 35 platforms

Application integration

Suppliers

Internet

WebSphere MQ

iSeries

Customers

Custom application

WebSphere Application Server

Enterprise resource planning

Customer relationship management

Supply chain management

IBM CICS®

IBM IMS™

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

A common API for simpler integration

WebSphere MQ provides a common, multiplatform application programming interface (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 IBM @server iSeries™ 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 iSeries, Version 5.3

IBM WebSphere MQ for iSeries, Version 5.3 offers sophisticated security features including Secure Sockets Layer (SSL) support, the Internet standard for secure communication. And enhanced features for performance—especially for Java™ Message Service (JMS), system scalability and reliability—which are particularly useful when clustering 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 iSeries, Version 5.3 maintains compatibility with the previous release—IBM MQSeries® for AS/400®, Version 5.2.

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

IBM WebSphere MQ for iSeries, Version 5.3 at a glance

Hardware requirements	
System	• Any Year 2000-compliant iSeries hardware that is explicitly compatible and fully capable of running the specified operating system, all the corresponding supporting software and any associated unmodified applications; original equipment provider responsible to provide statement of full compatibility between machines
Connectivity	• Communication hardware supporting Systems Network Architecture (SNA) LU 6.2 and TCP/IP
Software requirements	
Operating environment	• IBM OS/400®, Version 5 Release 1 or higher
Connectivity	• OS/400 SNA LU6.2 or OS/400 TCP/IP

Options	• External transaction processing managers (server only)
	  – IBM CICS/400®
	  – IBM WebSphere Application Server, Version 4.0 or higher
	• Databases (server only) as a resource manager under WebSphere MQ coordination
	  – IBM DB2® Universal Database™ for iSeries

Supported languages and compilers	• IBM Integrated Language Environment® C for iSeries • Integrated Language Environment COBOL for iSeries • Integrated Language Environment RPG for iSeries • Integrated Language Environment C++ for iSeries • IBM VisualAge® for C++ for iSeries
WebSphere MQ requirements for Java applications	

WebSphere MQ classes for JMS (supplied in the product)	• To run WebSphere MQ for Java, the following:
	  – 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

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	• IBM iSeries Developer Kit for Java, Version 1.3
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 IBM Developer Kit details, visit **ibm.com**/developerworks/java.	
Clients	• Clients for this and other WebSphere MQ platforms included
Program information	
	• Program number: 5724-B41 • Part number: BA05TML • Language features: multilingual • Available as media packs or software download

Business integration building blocks

With the IBM WebSphere platform, you can combine business integration products and solutions selectively or build one upon the other to help integrate applications and business processes within and across enterprises. WebSphere MQ for iSeries, Version 5.3 is part of the 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 your market demands. Building on this robust platform, you can integrate diverse IT environments to maximize your current investments. And leverage existing skills with a full range of business integration solutions from the WebSphere family of products.

For more information

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

ibm.com/webspheremq

Business integration building blocks

Product or solution	Function	Benefit
IBM WebSphere MQ	Messaging integration	Connect between diverse applications with assured once-only message delivery.
IBM WebSphere MQ Everyplace™	Mobile and wireless integration	Securely extend your e-business to a mobile workforce.
IBM WebSphere Business Integration Adapters, IBM WebSphere Adapters and IBM CrossWorlds® Connectors	Packaged application connectivity	Utilize prebuilt application adapters to integrate packaged software, like Ariba Buyer and SAP.
IBM WebSphere MQ Event Broker	High-performance message publish and subscribe function	Dynamically distribute messages.
IBM WebSphere MQ Integrator Broker	Message transformation and routing	Simplify information exchange between multiple applications.
IBM WebSphere Data Interchange	Electronic Data Interchange (EDI) translation	Integrate EDI and your messaging-based infrastructure.
IBM CrossWorlds InterChange Server	Business process integration	Coordinate business processes across multiple applications.
IBM CrossWorlds Toolset	Business process integration customizing and managing	Easily implement and maintain business integration processes.
IBM CrossWorlds Collaborations	Business process definition and automation	Leverage proven industry process templates to deploy integration solutions quickly.
IBM CrossWorlds Trading Partner Integration	Business-to-business (B2B) communication	Automate supply-chain interaction through a gateway for B2B communication.
IBM MQSeries Workflow	Business process management	Manage business processes across multiple applications and people.
IBM Holosofx products	Business process modeling and monitoring	Model, simulate and monitor business processes that execute in the runtime for MQSeries Workflow.
IBM WebSphere Business Integration	A single offering that combines WebSphere MQ Integrator Broker, MQSeries Workflow and CrossWorlds InterChange Server	Deploy WebSphere business integration products as needed.
IBM WebSphere Business Connection	B2B integration with trading partners using Web services or XML data exchange	Extend business process integration securely with trading partners, suppliers and customers.

IBM®

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