



Manage business processes with MQSeries®

Highlights

IBM MQSeries Everyplace for Multiplatforms

IBM MQSeries Adapter Offering, with new MQSeries Adapter Builder tool and new MQSeries Adapter Kernel platforms

IBM MQSeries now available on Windows® 2000, and many distributions of Linux on Intel®

IBM MQSeries for OS/390® has new capabilities for major scalability and availability enhancements

In this announcement, you'll see:

Partnership@work

Integrate business processes between partners for improved efficiency

People@work

Manage business processes all the way out to mobile employees

Versatility@work

Adapt applications to connect them simply into automated process flows

Throughput@work

Handle the growth that e-business brings with new performance enhancements

Processes@work

MQSeries provides a versatile platform for e-business process integration. It allows your company to take control, and stay in control, of e-business through the rapid development and effective management of mission critical business processes.

MQSeries can ease the transition from people-oriented processes to slick, fully-automated e-business, with dynamic processes connected end-to-end within the enterprise and out to customers and suppliers. MQSeries allows people to be deployed more productively, and streamlines and accelerates business processes.



With MQSeries, you can react quickly and dynamically to change by working directly with your business concepts and rules, rather than the applications. A process management approach smoothes the separation of business logic from existing business systems and applications. This process independence gives you the ability to create and modify existing business processes much more rapidly.

The automation enabled by MQSeries offers greater control over processes, and the ability to tune and improve business performance. In short, it's a complete architected solution for the integration of the business from a top-down, process perspective.



Partnership@work

MQSeries underpins the connection of business processes between partners (Business to Business, or simply BtoB) across the Internet, for major improvements in efficiency and cycle speed.

MQSeries (and specifically MQSeries Workflow, MQSeries Integrator and MQSeries Internet Pass Thru) is a major part of a complete solution for BtoB. It uses open standards to integrate information, applications and processes.

BtoB is the next major step forward in the automation of the enterprise, building on the automation of process flows within the enterprise. The automation of supply chain flows by connecting to partners across the Internet enables major savings in time and resources. MQSeries offers all the integration capabilities you need and, in combination with other WebSphere components, is part of a complete BtoB solution.

WebSphere BtoB Integrator Partner Agreement Manager

Business-to-business with MQSeries has always been able to connect a company's own systems to systems in another business. Now business-to-business is even easier with WebSphere BtoB Integrator Partner Agreement Manager.

The WebSphere BtoB Integrator Partner Agreement Manager helps global businesses leverage the Internet to improve competitiveness, profitability and service levels by forging tighter relationships with customers, partners and suppliers. It is built for business users to flexibly manage these BtoB relationships across the entire MQSeries family of products.

People@work

MQSeries allows you to manage your business processes all the way out to your mobile employees. Now they can work directly with their customers, with the same immediacy as in their office environment.

With MQSeries Everyplace as an integral part of the electronic infrastructure, you have access to automation or information whenever you're away from your workplace.

MQSeries Everyplace

MQSeries Everyplace for Multiplatforms V1.1 is a small-footprint MQSeries for connecting mobile workers and monitoring equipment to your dependable MQSeries network

MQSeries Everyplace extends your IT infrastructure to include *dependable* communications with mobile workers. It connects laptops, PDAs and phones, and unattended devices like servers.

MQSeries Everyplace provides assured delivery of messages in a failure-prone communications environment. It links handheld devices to your business applications, with all the trusted benefits of MQSeries: industrial strength messaging, reliable communications and assured once-only delivery. In addition, it adds rock solid 128-bit encryption and optimized data streams, both essential for mobile communications. Mobile workers can access applications on any of the 35-plus platforms of an MQSeries network, MQSeries Integrator, and MQSeries Workflow. Wherever they are, they can access corporate data, and fully participate in all kinds of business processes.

With this announcement, the MQSeries Everyplace gateway is extended to AIX® and Sun™ Solaris. The device code is extended to VisualAge® for Java™, and Sun-certified Java Virtual Machine.

Versatility@work

MQSeries adapters, together with MQSeries messaging, make managing the integration of your business processes both simple and versatile. With any integration solution, the fundamental concern is to connect applications that must share information. With MQSeries adapters to transform the data and MQSeries messaging to deliver it, integrating applications through business processes can be straightforward and quick.

MQSeries adapters reduce the risk, complexity and cost of managing point-to-point application integration. They provide a safe and predictable migration path, starting with a few connections.

Unlike many of today's adapter solutions, MQSeries adapters don't need a transformation engine to get started. As the number of connections grows, or your routing requirements become more complex, then you can introduce a message broker such as MQSeries Integrator (which includes a transformation engine).

The MQSeries Adapter Offering is a set of products, including MQSeries Adapter Kernel and MQSeries Adapter Builder. Optionally available are associated services designed to make application integration even easier.

MQSeries Adapter Kernel

MQSeries Adapter Kernels are specific to a platform. They provide common runtime services. The Kernel supports unlimited adapters, and multiple Kernels can be installed on one machine.

MQSeries Adapter Builder

The productive Adapter Builder tool means you can have any adapter you want, when you want it. You, or independent suppliers, can use the tool to build new messaging interfaces for applications.

Throughput@work

A company's adoption of e-business, and the corresponding development of Business Process Management (BPM), will inevitably mean growth and increasing work volumes. MQSeries is fully prepared for higher throughputs with a range of enhancements oriented to e-business.

MQSeries is continuously enhancing the capabilities that help you get more out of your IT infrastructure. MQSeries, already the most successful Enterprise Application Integration product, has added more platforms including Linux and Windows 2000 (see table), and has introduced improvements throughout the range in performance, security and usability.

Support for Windows 2000

MQSeries for Windows NT® and Windows 2000 V5.2 supports and exploits Windows 2000 technology.

MQSeries for Linux V5.2

MQSeries for Linux V5.2 brings the function of MQSeries V5 products to the Linux platform. Advanced features such as dynamic workload distribution and database coordination are available with this release.

MQSeries for OS/390 V5.2

MQSeries for OS/390 V5.2 has even greater availability, higher capacity and workload balancing, because multiple applications can now share queues. Queue-sharing also leads to easy system management of MQSeries resources, and you can broadcast MQSeries commands to all queue managers in a queue-sharing group. The Application Messaging Interface (AMI), the message handling API, simplifies application development.

Summary of enhancements to MQSeries products in this announcement

New release	Performance and availability	Usability and productivity	Platforms and connectivity
MQSeries Version 5.2 (AIX®, AS/400®, HP-UX, Linux, Sun Solaris, Windows NT and Windows 2000)	For example, persistent messaging throughput improves by a factor of 5		<ul style="list-style-type: none">• Windows 2000 and many distributions of Linux on Intel• Supports Microsoft® Transaction Server• New Linux clients for OS/390
MQSeries for OS/390 Version 5.2	Shared queue support for Parallel Sysplex®	<ul style="list-style-type: none">• Simplified application development with Application Messaging Interface (AMI)• Support for 100MB messages	
MQSeries for VSE/ESA™ Version 2.1.1	Automatic VSAM reorganization	<ul style="list-style-type: none">• Trigger support for queue activity• Java Message Service (JMS)	Java classes allow remote programs to use MQSeries for VSE/ESA services
MQSeries for Solaris, Intel Platform Edition Version 5.1	Dynamic workload distribution	<ul style="list-style-type: none">• Remote administration with MQSeries Explorer• Increase in message and queue sizes• Bindings for Java	
MQSeries Everyplace for Multiplatforms Version 1.1	Access for mobile workers		<ul style="list-style-type: none">• Gateway support adds AIX and Sun Solaris• Device support adds Java Micro Edition and Sun-certified JVM 1.1
MQSeries Adapter Offering	Fast creation and deployment of adapters	Adapter Builder uses GUI to create adapters to connect applications	<ul style="list-style-type: none">• Builder on Windows NT• Kernel adds support for AS/400, HP-UX, Sun Solaris

Future@work

IBM is continually enhancing the MQSeries products to stay ahead of your business process requirements. The following IBM Statements of Direction¹ represent IBM's current intentions and objectives and may be changed or withdrawn:

For MQSeries Workflow, a future version: tighter integration with WebSphere; support for Oracle; improved usability and administration; administration utility GUI based on Microsoft Management Console (MMC); and incorporating Web client SupportPac™ into the product.

For MQSeries: upgraded capabilities for the Compaq NonStop Kernel and OpenVMS operating systems, to include MQSeries clusters for enhanced availability and manageability, and provide larger queue and message sizes.

For the MQSeries Adapter Offering: OS/390 and Linux on Intel platform support for Adapter Kernel; and support for Java-based adapters within Adapter Builder.

¹For full Statements of Direction see ibm.com/software/ts/mqseries/announceoct/statement



IBM United Kingdom Limited
Hursley Park
Winchester
Hampshire
SO21 2JN
Telephone: +44(0)1962 815000

The IBM home page can be found on the Internet at ibm.com and more information on MQSeries can be found at ibm.com/software/mqseries/

IBM, the e-business logo, MQSeries, OS/390, AIX, DB2, VisualAge, OS/400, SupportPac, Parallel Sysplex, VSE/ESA and AS/400 are registered trademarks of International Business Machines Corporation.

WebSphere is a trademark of International Business Machines Corporation.

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

Microsoft, Windows, and Windows NT are registered 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.

Intel is a registered trademark of Intel Corporation in the United States, other countries, or both.

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

References in this publication to IBM products, programs or services do not imply that IBM intends to make these available in all countries in which IBM operates. Any reference to an IBM product, program or service is not intended to imply that only IBM's product, program or service may be used. Any functionally equivalent product, program or service may be used instead.

This publication is for general guidance only.

© Copyright IBM Corporation 1995, 2000.
All rights reserved.