

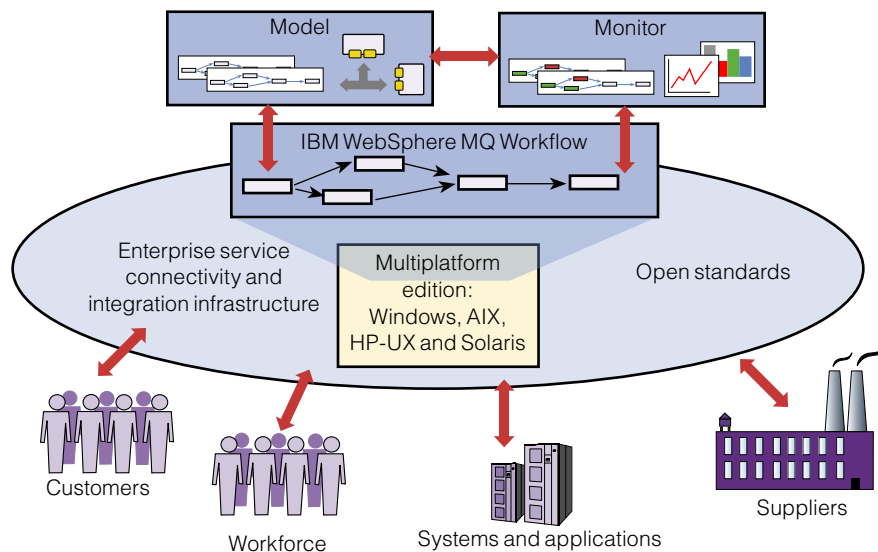
IBM WebSphere MQ Workflow for Multiplatforms, Version 3.6

Highlights

- **Automates and tracks business processes in accordance with business design**
- **Provides full transactional integrity, performance, high throughput and scalability**
- **Connects applications and people into your processes**
- **Offers compatibility with open standards including J2EE, XML, Web services and BPEL**
- **Fits natively with WebSphere MQ technology infrastructures for SOAs**
- **Provides a choice of multiple server platforms**

By aligning your business processes with your strategic objectives, you can dynamically respond more effectively to changing market and customer demands, enabling you to improve business operations and deliver new services quickly. You can also integrate people, processes and applications throughout your enterprise and with your trading partners to create competitive advantage.

IBM WebSphere® MQ Workflow for Multiplatforms, Version 3.6 enables you to bring people and systems into a managed process-integration environment across your value chain to support enterprise application integration (EAI), business-to-business (B2B) and business process management (BPM) solutions. The product offers a highly scalable and reliable transactional workflow environment with which you can integrate your existing IT and organizational resources.



IBM WebSphere MQ Workflow for Multiplatforms automates and tracks processes separate from application code—helping to make your business more flexible and dynamic.

Take important steps toward becoming an on demand business by using WebSphere MQ Workflow software to define and automate your business processes and extend them through the Web to customers, suppliers and trading partners. WebSphere MQ Workflow can help accelerate your process flows, cut costs and reduce the risk of costly errors as you improve the productivity of people throughout your extended enterprise, which, in turn, can help you earn a faster return on your investment.

Unite your resources to optimize business processes and quality of service

Typically, multiple applications, systems and people are involved in performing business processes. To optimize these processes, you must eliminate bottlenecks and effectively manage workflows—especially when resources are limited. You can respond more quickly to market changes and customer demands by providing a versatile BPM solution that links all relevant resources to work together as one.

With WebSphere MQ Workflow, process logic is separate from the application code, a fundamental requirement in making it possible to dynamically manage business processes. You can see, measure and quickly change processes to keep them synchronized with current business needs. You can also control and monitor business processes as needed to improve quality-of-service levels.

WebSphere MQ Workflow alone is not a solution to compliance. However, using a product like WebSphere MQ Workflow can help improve the integrity and reliability of the flow of information. These benefits offer a strong business case for deploying process-management tools to help demonstrate your compliance position for international standards or new legislation, such as the Sarbanes-Oxley Act.

Implement process changes quickly and smoothly

With WebSphere MQ Workflow software, you can manage your business processes separately from application workloads and other service providers in a service-oriented architecture (SOA). You can also gain the flexibility to respond proactively to changes in your business environment by altering workflows to best suit the situation at hand. And WebSphere MQ Workflow software speeds and simplifies the implementation of changes by allowing you to alter business-process rules rather than application code.

By supporting open industry standards—such as XML, Web services and Java™ 2 Platform, Enterprise Edition (J2EE)—WebSphere MQ Workflow software can ease integration projects throughout your enterprise. And because it is optimized for parallel distributed processing, WebSphere MQ Workflow helps you to fully use your existing resources and reuse existing business services more effectively. So you can reduce the time and expertise required for implementation and maintenance.

Putting process management into the hands of business users

Using IBM WebSphere Business Integration Modeler and IBM WebSphere Business Integration Monitor software with WebSphere MQ Workflow can help you visualize the impact of business-process changes before and after they're implemented. For example, you can capture measurements, such as process cost and cycle time, and run simulations to identify an alternative process that fits best with your organization's overall strategic goals. Then, when you have modeled the optimal process and refined it for implementation, you can deploy the process to WebSphere MQ Workflow to implement, manage and interact with participating service providers. Business users can monitor the implementation of individual processes in real time through workflow clients. They can also monitor key business performance indicators through executive dashboards. And they can stop, suspend, resume, start and alter processes to take corrective actions and respond to current business requirements.

New features designed to support enterprise workflow integration solutions

With this release, WebSphere MQ Workflow for Multiplatforms, Version 3.6 includes these key enhancements:

- *A native Java application programming interface (API) with new Linux® client support*
- *Native support for IBM WebSphere MQ, Version 5.3 and WebSphere MQ, Version 6 infrastructures*
- *A staff-administration interface to dynamically query and modify online staff definitions and their relationships in the workflow run-time database*
- *Improved replication with Lightweight Directory Access Protocol (LDAP) enterprise directories, including support for Microsoft® Windows® 2003 Active Directory*
- *The ability to display the total number of items in a list on the server database without having to transmit them all to a client*

- *Improved ease of installation and configuration*
- *A new run-time import option to verify custom process definitions for compatibility with XML and Web services Business Process Execution Language (BPEL) standards*
- *Support for new releases of corequisite software, such as IBM WebSphere Application Server, Version 6 and Version 5; IBM WebSphere Portal, Version 5.1; IBM WebSphere MQ, Version 6 and Version 5.3; IBM DB2® Universal Database™; and Oracle software*
- *Migration assistance from previous releases—IBM WebSphere MQ Workflow, Version 3.3.2 through Version 3.6, for longer-term vitality and support*

For more information

To learn more about IBM WebSphere MQ Workflow for Multiplatforms, contact your IBM representative or IBM Business Partner, or visit:

ibm.com/software/integration/wmqwf

IBM WebSphere MQ Workflow for Multiplatforms, Version 3.6 at a glance

IBM WebSphere MQ Workflow supported components

Operating system	IBM AIX®	HP-UX (PA-RISC)	Sun Solaris (SPARC)	Windows	Linux	IBM z/OS®
Build-time tool				X		
Run-time server	X	X	X	X		X
DB2 Universal Database	X	X	X	X		X
WebSphere MQ	X	X	X	X	X	X
XML interface	X	X	X	X	X	X
Client APIs	X	X	X	X	X	X
Desktop client				X		
Web client	X	X	X	X	X	X
Portal client	X	X	X	X	X	X

X *Multiplatforms edition licensed components*

IBM WebSphere MQ Workflow for Multiplatforms, Version 3.6 at a glance (continued)

Hardware requirements

Build-time environment (workflow modeling tool)

- A PC with an Intel® technology-based processor architecture
- Screen resolution: SVGA at 800 x 600 (minimum), 256 colors (minimum)

Operating system (one of the following)

- Microsoft Windows 2000
- Microsoft Windows 2003 Server
- Microsoft Windows XP Professional Edition

Build-time database (one of the following)

- IBM DB2 Universal Database Enterprise Server Edition, Version 8.2 (on CD-ROM included in the media pack)
- DB2 Universal Database Enterprise Server Edition, Version 8.1 with Fix Pack (FP) 7a
- Microsoft Jet Engine

For DB2 Universal Database

- 512MB RAM
- 1GB disk space

For Microsoft Jet Engine

- 512MB RAM
 - 700MB disk space
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Run-time environment

General recommendations

- The number and size of process models and process instances residing in the run-time database and the number of clients concurrently attached to the server heavily influence the demand for main memory and hard disk space.
 - For systems not used for production (such as development, test and demonstration systems), less main memory might be sufficient.
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The specifications in the following sections are recommended numbers for a two-tier configuration (with database and run-time server residing on the same system).

IBM WebSphere MQ Workflow for Multiplatforms, Version 3.6 at a glance (continued)

Software requirements

Operating environment: AIX

Servers for AIX

- IBM @server[®] pSeries[®] uniprocessor, symmetric multiprocessor (SMP) or scalable parallel (SP) machine supported by AIX
- IBM POWER[™] processor-based system for the IBM AIX 5L[™] operating system
- Screen: system console sufficient
- 1GB RAM
- 2GB disk space

Operating system (one of the following)

- IBM AIX 5L, Version 5.1 with Maintenance Level (ML) 06 or later
- IBM AIX 5L, Version 5.2 with ML04 or later
- IBM AIX 5L, Version 5.3 with ML01 or later

C++ run-time environment (one of the following)

- xIC.rte, Version 6
- xIC.rte, Version 7

Communication (one of the following)

- IBM WebSphere MQ for AIX, Version 5.3 (included in the media pack) with CSD08 or later
- IBM WebSphere MQ for AIX, Version 6.0

Database (one of the following)

- IBM DB2 Universal Database Enterprise Server Edition for AIX, Version 8.1 with Fix Pack (FP) 7a
- IBM DB2 Universal Database Enterprise Server Edition for AIX, Version 8.2 (included in the media pack)
- Oracle 9i, Release 2 (9.2.0) for AIX 5L systems
- Oracle 10g, Release 1 (10.1.0) for AIX 5L systems, if using WebSphere MQ, Version 6.0

For a high-availability environment

- IBM High Availability Cluster Multiprocessing (IBM HACMP[™]) (see WebSphere MQ SupportPac WC61)
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Clients for AIX

- Workstation with POWER processor capable of running the operating system

Operating system (one of the following)

- IBM AIX 5L, Version 5.1 with ML 06 or later
- IBM AIX 5L, Version 5.2 with ML04 or later
- IBM AIX 5L, Version 5.3 with ML01 or later

Communication (one of the following)

- IBM WebSphere MQ for AIX, Version 5.3 (included in the media pack) with CSD08 or later
- IBM WebSphere MQ for AIX, Version 6.0

For Web client (one of the following)

- IBM WebSphere Application Server, Version 5.0
- IBM WebSphere Application Server, Version 5.1
- IBM WebSphere Application Server, Version 6.0

For portal client (one of the following)

- WebSphere Portal, Version 5.0
- WebSphere Portal, Version 5.1

For the development of programs using the WebSphere MQ Workflow APIs (one of the following)

- IBM C for AIX, Version 6.0
 - IBM XL C/C++ for AIX, Version 7.0
 - IBM VisualAge[®] C++ Professional for AIX, Version 6.0
 - IBM Java Software Developer Kit (SDK), Version 1.4.1
 - IBM Java SDK, Version 1.4.2
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IBM WebSphere MQ Workflow for Multiplatforms, Version 3.6 at a glance (continued)

Software requirements (continued)

Operating environment: HP-UX

Servers for HP-UX

- Hewlett-Packard (HP) 9000 workstation with PA-RISC processor
- Screen: system console sufficient
- 1GB RAM
- 2GB disk space

Operating system

- HP-UX 11i, Version 1

Communication (one of the following)

- IBM WebSphere MQ for HP-UX, Version 5.3 (included in the media pack) with CSD08 or later
- IBM WebSphere MQ for HP-UX, Version 6.0

Database

- IBM DB2 Universal Database Enterprise Server Edition for HP-UX, Version 8.1 with FP7a
 - IBM DB2 Universal Database Enterprise Server Edition for HP-UX, Version 8.2 (included in the media pack)
 - Oracle 9i, Release 2 (9.2.0)
 - Oracle 10g, Release 1 (10.1.0), if using WebSphere MQ, Version 6.0
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Clients for HP-UX

- A workstation capable of running the operating system

Operating system

- HP-UX 11i, Version 1

Communication (one of the following)

- IBM WebSphere MQ for HP-UX, Version 5.3 (included in the media pack) with CSD08 or later
- IBM WebSphere MQ for HP-UX, Version 6.0

For Web client (one of the following)

- WebSphere Application Server, Version 5.0
- WebSphere Application Server, Version 5.1
- WebSphere Application Server, Version 6.0

For portal client (one of the following)

- WebSphere Portal, Version 5.0
- WebSphere Portal, Version 5.1

For the development of programs using the WebSphere MQ Workflow APIs (one of the following)

- HP ANSI C++ Compiler, Version 03.50 for HP-UX
 - Adapted IBM Java SDK, Version 1.4.1 as a feature of WebSphere Application Server
 - IBM Java SDK, Version 1.4.2 as a feature of WebSphere Application Server
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IBM WebSphere MQ Workflow for Multiplatforms, Version 3.6 at a glance (continued)

Software requirements (continued)

Operating environment: Sun Solaris

Servers for Sun Solaris operating environment

- Sun workstation with SPARC processor
- Screen: system console sufficient
- 1GB RAM
- 2GB disk space

Operating system (one of the following)

- Sun Solaris operating environment, Version 8
- Sun Solaris operating environment, Version 9

Communication (one of the following)

- IBM WebSphere MQ for Sun Solaris, Version 5.3 (included in the media pack) with CSD08 or later
- IBM WebSphere MQ for Sun Solaris, Version 6.0

Database (one of the following)

- IBM DB2 Universal Database Enterprise Server Edition for Sun Solaris, Version 8.1 with FP7a
 - IBM DB2 Universal Database Enterprise Server Edition for Sun Solaris, Version 8.2 (included in the media pack)
 - Oracle 9i, Release 2 (9.2.0)
 - Oracle 10g, Release 1 (Version 10.1.0), if using WebSphere MQ, Version 6.0
-

Clients for Sun Solaris operating environment

- A workstation capable of running the operating system (WebSphere MQ Workflow runs in 32-bit mode only)

Operating system (one of the following)

- Sun Solaris operating environment, Version 8
- Sun Solaris operating environment, Version 9

Communication (one of the following)

- IBM WebSphere MQ for Sun Solaris, Version 5.3 (included in the media pack) with CSD08 or later
- IBM WebSphere MQ for Sun Solaris, Version 6.0

For Web client (one of the following)

- WebSphere Application Server, Version 5.0
- WebSphere Application Server, Version 5.1
- WebSphere Application Server, Version 6.0

For portal client (one of the following)

- WebSphere Portal, Version 5.0
- WebSphere Portal, Version 5.1

For the development of programs using the WebSphere MQ Workflow APIs (one of the following)

- Sun ONE Studio, Version 8 C++ Compiler on Sun SPARC
 - Sun Java 2 SDK, Version 1.4.1
 - Sun Java 2 SDK, Version 1.4.2
 - Adapted IBM Java SDK, Version 1.4.1 as a feature of WebSphere Application Server
 - Adapted IBM Java SDK, Version 1.4.2 as a feature of WebSphere Application Server
-

IBM WebSphere MQ Workflow for Multiplatforms, Version 3.6 at a glance (continued)

Software requirements (continued)

Operating environment: Linux

Clients for Linux

- A PC with Intel technology-based processor architecture capable of running the operating system
- An IBM *@server* zSeries® system capable of running the operating system

Operating system (one of the following)

- Red Hat Enterprise Linux (RHEL), Version 3
- SUSE LINUX Enterprise, Version 9

Communication (one of the following)

- IBM WebSphere MQ for Linux, Version 5.3 (included in the media pack) with CSD08 or later
- IBM WebSphere MQ for Linux, Version 6.0

For Web client (one of the following)

- WebSphere Application Server, Version 5.0
- WebSphere Application Server, Version 5.1
- WebSphere Application Server, Version 6.0

For portal client (one of the following)

- WebSphere Portal, Version 5.0
- WebSphere Portal, Version 5.1

For the development of programs using the WebSphere MQ Workflow APIs (one of the following)

- Java SDK, Version 1.4.1
 - Java SDK, Version 1.4.2
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IBM WebSphere MQ Workflow for Multiplatforms, Version 3.6 at a glance (continued)

Software requirements (continued)

Operating environment: Windows

Servers for Windows

- PC with Intel technology-based processor architecture
- ThinkPad from Lenovo or portable PC acceptable for test or demonstration purposes
- 1GB RAM
- 2GB disk space

Operating system (one of the following)

- Windows 2000
- Windows 2003 Server
- Windows XP Professional Edition

Communication (one of the following)

- IBM WebSphere MQ for Sun Solaris, Version 5.3 (included in the media pack) with CSD08 or later
- IBM WebSphere MQ for Sun Solaris, Version 6.0

Database

- DB2 Universal Database Enterprise Server Edition for Windows, Version 8.1 with FP7a
 - DB2 Universal Database Enterprise Server Edition for Windows, Version 8.2 (included in the media pack)
-

Clients for Windows

- A PC with Intel technology-based processor architecture capable of running the operating system

Operating system (one of the following)

- Windows 2000
- Windows 2003 Server
- Windows XP Professional Edition

Communication (one of the following)

- IBM WebSphere MQ for Windows, Version 5.3 (included in the media pack) with CSD08 or later
- IBM WebSphere MQ for Windows, Version 6.0

For desktop client

- A WebSphere MQ Workflow Windows desktop client (included in the media pack)

For Web client (one of the following)

- WebSphere Application Server, Version 5.0
- WebSphere Application Server, Version 5.1
- WebSphere Application Server, Version 6.0

For portal client (one of the following)

- WebSphere Portal, Version 5.0
- WebSphere Portal, Version 5.1

For the development of programs using the WebSphere MQ Workflow APIs (one of the following)

- Microsoft Visual Studio .NET 2002, Version 7 (for WebSphere MQ Workflow client APIs for C and C++)
 - Microsoft VisualBasic, Version 7 for Windows for WebSphere MQ Workflow ActiveX controls
 - IBM Java SDK, Version 1.4.1
 - IBM Java SDK, Version 1.4.2
 - Sun Java SDK, Version 1.4.1
 - Sun Java SDK, Version 1.4.2
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IBM WebSphere MQ, Version 6.0 at a glance (continued)

Corequisite software

For process modeling

- IBM WebSphere Business Integration Modeler, Version 4 or Version 5.1.2
- IBM WebSphere Business Integration Monitor, Version 4.1

For LDAP bridge (one of the following)

- IBM Tivoli® Directory Server, Version 5.2
 - Microsoft Active Directory (a feature of Windows 2003 Server)
-

Supported Web browsers

For Web-based user access to the Web and portal clients

- Any Web browser supporting HTML, Version 4 with Cascading Style Sheets (CSS) and Worldwide Web Consortium (W3C) Document Object Model (DOM) for portal, such as:
 - Mozilla Navigator, Version 1.7 or later
 - Firefox, Version 1.0
 - Netscape, Version 7
 - Microsoft Internet Explorer, Version 6.0 or later
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