



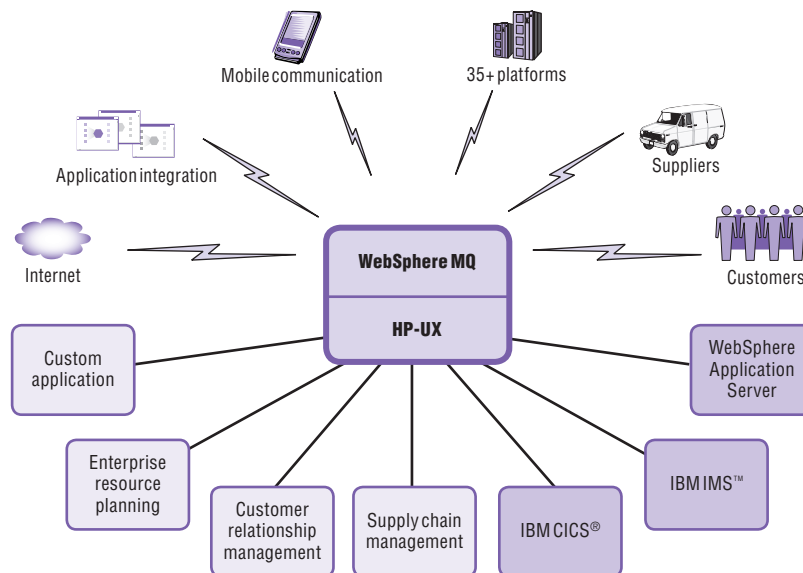
WebSphere® software

WebSphere MQ for HP-UX, 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: 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 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.



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

A common API for simpler integration

WebSphere MQ provides a common, Message Queue Interface (MQI) 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 HP-UX 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 HP-UX, Version 5.3

IBM WebSphere MQ for HP-UX, Version 5.3 provides 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 to clustered systems that can share workload. It is now possible for programmers to use API exits to allow monitoring or implementing of local standards.

IBM WebSphere MQ for HP-UX, Version 5.3 at a glance

Hardware requirements

System

- Any Year 2000-compliant Hewlett-Packard PA-RISC (1.1 or higher) hardware that is explicitly compatible and fully capable of running the specified operating system, all the corresponding supporting software and any associated unmodified applications. Responsibility to provide statement of full compatibility between machines lies with the original equipment provider.
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Connectivity

- Communication hardware supporting Systems Network Architecture (SNA) LU 6.2 and TCP/IP
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Software requirements

Operating environment

- HP-UX, Version 11.0, with relevant fixes or HP-UX, Version 11i (11.11)

Note: SSL support on HP-11i will be available through a service upgrade.

WebSphere MQ clients

- Software requirements are identical for server and client HP-UX environments unless otherwise stated.
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Connectivity

- HP SNAplus2
 - TCP/IP as part of the base operating system
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Options

- External transaction processing managers (coordination through X/Open XA interface, server only)
 - IBM WebSphere Application Server, Version 4.0
 - BEA Tuxedo, Version 6.4 or Version 6.5
 - Databases (server only) as a resource manager under MQ coordination
 - IBM DB2® Universal Database™, Version 7.1 or Version 7.2
 - Oracle 8i, Release 3 or Oracle 9i
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Distributed Computing Environment (DCE)

- HP DCE/9000 version appropriate for the level of HP-UX operating system in use

Note: To enable users to run the MQ-supplied DCE send, receive or message exits, this must be the U.S. domestic version supporting Data Encryption Standard (DES). Also, it is critical to apply HP service. Patches are listed in the Release Note delivered with the HP DCE software. For the latest information, contact the local HP support center.
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Supported languages and compilers

- HP-UX ANSI C compiler
 - C Softbench, Version 7
 - aC++ (aCC) A.03.27 or A.03.30
 - Micro Focus Server Express, Version 2.0.10
 - Fully patched HP DCE/9000 application development tools (see preceding section)
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WebSphere MQ for HP-UX, Version 5.3 and JMS now support extended transactional clients, which operate as an XA resource manager, allowing unit-of-work coordination with databases, such as IBM DB2®, under the control of an external transaction coordinator. This priced extended transactional client function helps centralize system management and administration, enabling you to reduce operational costs and rationalize your networked resources. Existing WebSphere MQ for HP-UX, Version 5.3 users can electronically download the extended transactional client function; new users can choose the feature upon installation.

WebSphere MQ for HP-UX is priced on a per-processor basis.

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

IBM WebSphere MQ for HP-UX, Version 5.3 at a glance (continued)

WebSphere MQ requirements for Java applications

WebSphere MQ classes for JMS (supplied in the product)

- To run WebSphere MQ for Java applications, you need the following:
 - WebSphere MQ as supplied in the product
 - Java 2 Software Development Kit or Java Runtime Environment (JRE) for the server and/or client platforms
- To run publish and subscribe applications, you need one of the following:
 - IBM SupportPac™ MA0C: MQSeries®—Publish and Subscribe
 - IBM WebSphere MQ Integrator Broker, Version 2.1
 - IBM WebSphere MQ Event Broker, Version 2.1

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

- HP-UX SDK for the Java platform, Version 1.3.1

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, visit ibm.com/developerworks/java.

Clients

- Clients for this and other WebSphere MQ platforms included with this product.
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Program information

- Program number: 5724-B41
 - Part number: BA08SML
 - Language features: multilingual
 - Available as media packs, software download
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WebSphere business integration portfolio

As the world's largest information technology company, IBM offers a wide range of middleware and operating systems for virtually every computing platform, to give you the right tools to be an e-business on demand. The IBM WebSphere business integration portfolio delivers market-leading middleware that allows you to unite applications, people and business processes so they can work as one. Built on open standards, like J2EE, XML and new Web services standards, this robust portfolio is endowed with reliability, scalability and security—the core strengths you've come to expect from IBM.

With a WebSphere business integration solution, your business managers can effectively model and simulate business processes—and refine those processes to increase efficiencies as needs arise. Your IT staff can quickly and easily integrate previously

disparate systems within your existing infrastructure—and with new applications and systems. Your systems can connect seamlessly with your customers' and business partners' systems to deliver immediate, dynamic—and personalized—information. And monitor your processes from end to end to show an up-to-the-minute view of how your enterprise is performing, so you can manage business effectiveness and readily make improvements to help you gain better return on investment (ROI) and faster time to value.

For more information

IBM WebSphere MQ for HP-UX, 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 HP-UX, Version 5.3 can help streamline the management of your e-business processes, visit:

ibm.com/webspheremq



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