



IBM WebSphere MQ V7.5 delivers new features and integrates managed file transfer and advanced message security capabilities in a single offering

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At a glance

WebSphere® MQ V7.5 for Multiplatforms provides additional enhancements to IBM® Universal Messaging to deliver a single, integrated offering for all core messaging functions. Customers gain access to previously separately installable capabilities, enabling more complete solutions for data and message movement along with reduced complexity.

Enhancements include:

- Tight integration of managed file transfer and advanced message security capabilities with the WebSphere MQ Queue Manager
- Common installation experience based on the MQ Installer
- Common tooling interface via the MQ Explorer
- Managed File Transfer-specific functional enhancements
- Security enhancements including the integration of the WebSphere MQ Advanced Message Security function into the MQ Server
- Licensing changes for the Extended Transactional Client
- Licensing changes for WebSphere MQ Telemetry Client
- Multiple transmission queues defined for use in a clustered queue manager

Overview

WebSphere MQ V7.5 delivers a single Universal Messaging solution. It enables the simple, rapid, reliable, and secure transport of data and messages between applications, systems, and services.

WebSphere MQ is the market-leading, message-oriented middleware product that delivers a reliable, proven universal messaging backbone for almost 10,000 organizations of different sizes, spanning many industries around the world.

This new release builds on the added capabilities and new functions that were delivered in WebSphere MQ V7.1, which was announced in October, 2011. It also builds on the previous announcements for WebSphere MQ File Transfer Edition V7.0.4, in April, 2011, and WebSphere MQ Advanced Message Security V7.0.1, in October, 2011.

Note: WebSphere MQ for z/OS®, V7.1 is not updated in this release of WebSphere MQ V7.5 for Multiplatforms.

You can obtain the new enhanced functions offered in WebSphere MQ V7.5 by migrating directly to V7.5 from WebSphere MQ V6.0, V7.0.1, or V.7.1 -- without migrating to an interim version or release.

A key new feature of WebSphere MQ V7.5 is the consolidation of multiple previously separate product capabilities into a single integrated offering. WebSphere MQ File Transfer Edition and WebSphere MQ Advanced Message Security, both previously announced separate products, are now available as integrated capabilities for optional installation as Managed File Transfer and Advanced Message Security components within the WebSphere MQ product. They are subject to appropriate licensing entitlement.

WebSphere MQ V7.1 introduced a capability to support install of different versions of WebSphere MQ in different locations on your system. WebSphere MQ V7.5 extends this to enable additional capabilities for Advanced Message Security and Managed File Transfer to be optionally installed as part of the WebSphere MQ server install.

WebSphere MQ V7.5 queue managers gain access to these additional capabilities without requiring additional access to code, or separate product installs. All tooling necessary to use these functions is included in the MQ Explorer tooling or command line tools for scripted configuration as standard for all customers, including those on z/OS.

Changes made to the licensing of the Extended Transactional Client and the WebSphere MQ Telemetry Client benefit all customers in providing increased entitlement. This applies to customers of WebSphere MQ V7.5 as well as WebSphere MQ V7.0.1 and WebSphere MQ V7.1.

For ordering, contact Your IBM representative or an IBM Business Partner. For more information contact the Americas Call Centers at 800-IBM-CALL (426-2255). Reference: YE001

Key prerequisites

For details, refer to the [Hardware requirements](#) and [Software requirements](#) sections.

Planned availability date

- June 15, 2012 (electronic software delivery)
- July 6, 2012 (media)

Description

WebSphere MQ delivers a single integrated Universal Messaging solution. This V7.5 release delivers new features and also enhances the total capabilities available through integrating managed file transfer functions and advanced message security capabilities that were previously available and installable as separate offerings.

Integrated managed file transfer

WebSphere MQ File Transfer Edition has been available as a separate product offering for a number of years, providing the ability for customers to move their business data stored in files over the WebSphere MQ infrastructure, improving the reliability, security, and management of their file transfers. WebSphere MQ V7.5 extends this capability from being a separate offering, to being an integrated optional feature of the WebSphere MQ server component as the WebSphere MQ Managed File Transfer Service. Now all WebSphere MQ servers can install, subject to entitlement, this server-based capability. Additional separately installable endpoints, WebSphere MQ Managed File Transfer Agents, are included in the package. These are entitled separately to allow customers to extend the managed file transfer

infrastructure to any point in their enterprise connection to the WebSphere MQ server deployments.

Integrated advanced message security

WebSphere MQ Advanced Message Security, also available for a number of years, allows customers to protect the security of their messages from application to application, without the need to change the application code itself. With WebSphere MQ V7.5, this capability is included as a part of the install, making it simpler for customers to see the function, and to have it installed should they wish to buy license entitlement to use it.

Improved application isolation

WebSphere MQ V7.5 includes improved ability to scale for differing workload environments by the ability to configure multiple transmission queues in a WebSphere MQ clustered environment. This enables applications with different workloads and performance requirements to operate at their own rate without impacting other applications.

Enhancements for the managed file transfer capabilities

In addition to the tight integration, as a part of WebSphere MQ V7.5, which enhances the runtime control, the managed file transfer capabilities are also enhanced. There are additional choices for storing file transfer audit information with the addition of the file system as an option. There is also greater customization for the content and format, as well as more options for logging.

Enhancements for WebSphere MQ Security

The addition of Managed File Transfer capabilities as well as WebSphere MQ Advanced Message Security into WebSphere MQ V7.5 enables some improvements to the security possible within WebSphere MQ.

With WebSphere MQ V7.5 the Advanced Message Security feature built into all MQ clients, end-to-end encryption is allowed by updates to WebSphere MQ objects for customers who are licensed to use that function. There is also further support for protecting sensitive data such as passwords used in configuring managed file transfers.

Wider access to the Extended Transactional Client for all customers

The Extended Transactional Client enables customers to configure their WebSphere MQ client to participate in a transactional unit of work when exchanging messages to an MQ server. Use of this client without charge was previously restricted to customers using WebSphere Application Server, WebSphere Enterprise Service Bus, or WebSphere Process Server as the Transaction Manager. With the announcement of WebSphere MQ V7.5, the Extended Transactional Client is available for use in all client deployments without additional entitlement. This includes all supported versions of WebSphere MQ client connecting to any supported version of WebSphere MQ queue manager.

With the availability of WebSphere MQ V7.5 the capability previously delivered within the Extended Transactional Client is incorporated into the standard WebSphere MQ client. Customers using WebSphere MQ V7.0.1 and WebSphere MQ V7.1 gain the benefit of use of the Extended Transactional Client without charge from the date of this announcement. IBM is making available refreshed code including updated License Information. Customers can realize this benefit through the download and acceptance of this new License Information.

Using WebSphere MQ Telemetry Standard Client

WebSphere MQ Telemetry was included as part of the WebSphere MQ V7.1 offering, providing wider access to this capability for customers who wanted to deploy the WebSphere MQ Telemetry clients on suitable endpoints and connect them to their WebSphere MQ servers.

Connecting these clients to WebSphere MQ servers required purchasing entitlements based on the number of Telemetry clients connecting to a WebSphere MQ Queue Manager at any one time. With the announcement of WebSphere MQ V7.5, use of the WebSphere MQ Telemetry Client requires purchasing an entitlement for WebSphere MQ Telemetry Clients for each WebSphere MQ Server installed that will have WebSphere MQ Telemetry clients connected to it, with no limit to the number of clients connected. This change in the license entitlement for WebSphere MQ Telemetry Clients applies to not just WebSphere MQ V7.5. It also benefits customers using WebSphere MQ Telemetry Clients with WebSphere MQ V7.0.1 and WebSphere MQ V7.1 from the date of this announcement. IBM is making available refreshed code including updated License Information and customers can realize this benefit through the download and acceptance of this new License Information.

The WebSphere MQ Telemetry Advanced Client entitlements are still based on the number of clients connected at any one time.

Enhancements for the use of WebSphere MQ as a trial

Customers wanting to make a rapid start connecting applications with WebSphere MQ can take advantage of the availability of WebSphere MQ as a free download in a trial version. With WebSphere MQ V7.1 this feature was enhanced to enable trial versions of WebSphere MQ to be upgraded to a full production license. With the integration of additional entitled capabilities in WebSphere MQ V7.5, a trial download is still available. However, where entitlement was not purchased at the end of the trial for capabilities that were installed, then those capabilities without entitlement must be removed from the system.

Accessibility by people with disabilities

WebSphere MQ is capable as of June 15, 2012, when used in accordance with associated IBM documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it.

A U.S. Section 508 Voluntary Product Accessibility Template (VPAT) containing details on accessibility compliance can be requested at

http://www.ibm.com/able/product_accessibility/index.html

Section 508 of the US Rehabilitation Act

WebSphere MQ V7.5 is capable as of June 15, 2012, when used in accordance with associated IBM documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it. A US Section 508 Voluntary Product Accessibility Template (VPAT) can be requested on the following website

http://www.ibm.com/able/product_accessibility/index.html

Product positioning

WebSphere MQ family offers the universal messaging backbone for SOA connectivity across all environments, including applications, services, and SOA infrastructures. It connects new and existing applications, as well as web services, with reliable messaging and acts as a first step to SOA and event driven architectures providing a transport layer to underpin an enterprise service bus (ESB).

It delivers assured, reliable messaging, as well other qualities of service, while offering choice in the class of delivery.

The addition of WebSphere MQ Managed File Transfer capabilities from the separate File Transfer Edition offering adds file-specific features to the proven WebSphere MQ transport. It delivers a managed file transfer solution that enables the movement of files between IT systems with reliability and without the need for programming.

The further addition of WebSphere MQ Advanced Message Security expands the industry-standard security offered by WebSphere MQ for z/OS with end-to-end, data protection for customers' applications. It enables enterprise-wide, remote management of security polices on their MQ network and can be deployed to existing production environments without changes to existing WebSphere MQ applications.

WebSphere MQ for z/OS supports industry-standard JMS messaging. It enables simple, RESTful access from Web 2.0 to core back-end applications and integrates z/OS applications with virtually any other commercial IT system across more than 80 platform configurations. It also integrates Java™ Enterprise Edition (JEE) applications, .NET applications, CICS®, IMS™, DB2®, and packaged applications.

- WebSphere MQ for z/OS exploits the capabilities of the System z® platform to deliver a messaging powerhouse.

Note: WebSphere MQ for z/OS remains at V7.1 and is not changed by the announcement of WebSphere MQ V7.5 for Multiplatforms.

- WebSphere MQ extends the reliable, proven messaging backbone to virtually any commercial IT system, spanning more than 80 platform configurations.
- WebSphere MQ for HP OpenVMS, WebSphere MQ for HP NonStop Server, and MQSeries® for z/VSE® all extend the reach of WebSphere MQ to these specific computing platforms.
- WebSphere MQ Low Latency Messaging (on Linux™, Microsoft™ Windows™, and Oracle Solaris platforms) extends the WebSphere MQ product family with low-latency, high-throughput delivery. It is optimized for the high-volume, low-latency requirements typical of financial markets firms and other industries where speed of data delivery is paramount.

Note: WebSphere MQ for z/OS, V7.1 is not updated in the WebSphere MQ V7.5 for Multiplatforms.

The WebSphere portfolio provides additional connectivity capabilities that can build on, and take advantage of, the Universal Messaging provided by WebSphere MQ:

- WebSphere Service Registry and Repository provides an SOA Repository that can help publish, find, enrich, manage, and govern services and policies in your SOA. Using the MQ Service Definition, WebSphere Service Registry and Repository can now be used to govern the lifecycle of MQ applications and messaging services in the same way as for other SOA services.
- WebSphere Message Broker is an ESB built for universal connectivity and transformation in heterogeneous IT environments. It builds on the WebSphere MQ messaging layers with ESB capabilities that add transformation, intelligent routing, and information flow modeling.
- WebSphere ESB leverages web services standards and builds on the embedded messaging in WebSphere Application Server. WebSphere MQ extends the reach of this ESB to non-JEE environments and a broader range of platforms.
- WebSphere DataPower® Integration Appliance XI50 transforms between disparate message formats and offers an ESB in an appliance form factor. It is a 1U (1.75-in thin), rack-mountable network device capable of transforming between disparate message formats, including binary, legacy, and XML, and providing message routing and security. XI50 delivers client connectivity into the WebSphere MQ backbone.
- WebSphere DataPower B2B Appliance XB60 provides purpose-built B2B hardware that supports AS2 and AS3 messaging and trading partner profile management in a high-performance demilitarized zone (DMZ)-ready appliance.
- WebSphere Adapters deliver generic technology and business application adapters with wizards that quickly and easily service enable legacy applications, ERP, HR, CRM, and supply chain systems.

In addition, the IBM Tivoli® portfolio offers systems management for large-scale WebSphere MQ solutions. IBM Tivoli OMEGAMON® XE for Messaging can help improve the availability and performance of WebSphere MQ solutions. It can identify

common problems and automate corrective actions using predefined industry best-practice situations, while monitoring key WebSphere MQ metrics.

IBM Tivoli OMEGAMON XE for Messaging can help improve management of Service Level Agreements (SLAs) by monitoring availability and capacity using real-time and historical data analysis. Out-of-the box capabilities, such as auto-discovery and monitoring of complex WebSphere MQ environments, can improve IT staff productivity and reduce administration costs.

IBM Workload Deployer is a hardware appliance providing access to IBM middleware virtual images and patterns to easily, quickly, and repeatedly create application environments that can be securely deployed and managed in a private cloud. As well as other IBM offerings, IBM Workload Deployer supports deployment of WebSphere MQ Hypervisor.

In addition, SupportPac product extensions offer additional function available as a download by visiting

<http://www.ibm.com/webspheremq>

Reference information

For details about related products, refer to:

- WebSphere MQ File Transfer Edition V7.0.4: Software Announcement [211-093](#), dated April 5, 2011
- WebSphere MQ Advanced Message Security V7.0.1: Software Announcement [210-334](#), dated October 5, 2010
- WebSphere MQ for Multiplatforms V7.1: Software Announcement [211-395](#), dated October 4, 2011
- WebSphere MQ for z/OS, V7.1: Software Announcement [211-394](#), dated October 4, 2011

Program number

Program number	VRM	Program name
5724-H72	7.5.0	IBM WebSphere MQ for Multiplatforms

Offering Information

Product information is available via the Offering Information website

<http://www.ibm.com/common/ssi>

Also, visit the Passport Advantage® website

<http://www.ibm.com/software/passportadvantage>

Publications

A printed *Quick Start Guide* is shipped with the product. Online product documentation is integrated within the product.

The IBM Publications Center

<http://www.ibm.com/shop/publications/order>

The Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive search facilities are provided. Payment options for orders are via credit card (in

the US) or customer number for 20 countries. A large number of publications are available online in various file formats, and they can all be downloaded by all countries, free of charge.

WebSphere MQ V7.5 documentation is provided in an information center which can be viewed from a web browser with Internet access or run locally. A local copy of the information center can be installed using the WebSphere MQ V7.5 installation program. Any new or updated Version 7.5 documentation can then be added to that locally installed information center.

The online version of the WebSphere MQ V7.5 information center will be available on June 15, 2012, at

<http://publib.boulder.ibm.com/infocenter/wmqv7/v7r5/index.jsp>

Portions of the documentation for WebSphere MQ V7.5 will be translated and available within 30 days of product availability.

Technical information

Specified operating environment

Hardware requirements

For IBM AIX® --64-bit IBM System p® server.

For HP-UX -- Itanium™ systems only; HP-UX PA-RISC is not supported.

For Linux

- Linux for System x® (32-bit) x86 compatible PC hardware, including x86-64 processors
- Linux for System x (64-bit) AMD64, EMT64, and compatible processors
- Linux for System p: 64-bit System i® and System p IBM POWER® processor-based systems
- Linux for System z IBM System z9/10 or IBM eServer™ (or equivalent) 64-bit processor

For Oracle Solaris

- Oracle Solaris SPARC: 64-bit SPARC systems only
- Oracle Solaris x86-64: AMD64, EM64T, and compatible processors

For Windows -- x86 and x86-64 (also known as x64) technology-compatible PC hardware

For the WebSphere MQ Telemetry operating environment

WebSphere MQ Telemetry is a feature of the WebSphere MQ product. The Telemetry server only runs on a subset of the WebSphere MQ supported platforms.

Telemetry Java Client is not restricted to running on the reference platforms; it can also run on any platform where a suitable Java runtime is available. The IBM service team may request that a problem be reproduced on a reference platform. The client can be run on the following Java runtimes:

- Java 2 Platform, Standard Edition (J2SE) 1.4.2 or above that is "Java compatible"
- Java Platform, Micro Edition (Java ME) CLDC 1.1 MIDP 2.0 or later that is Java powered
- Java Platform, Micro Edition (Java ME) CDC 1.1 Foundation profile 1.1 or later that is Java powered

Software requirements

For AIX

- Operating system
 - AIX V6.1 TLS POWER System
 - AIX V7.1 POWER System
- Application servers
 - Oracle WebLogic Server 11g Release 1
 - WebSphere Application Server V6.1
 - WebSphere Application Server V7.0
 - WebSphere Application Server V8.0
- Supported application servers for the WebSphere MQ Bridge for HTTP
 - WebSphere Application Server V7.0.0.5
 - WebSphere Application Server V8.0
 - WebSphere Application Server Community Edition V2.1
- Supported application servers for WebSphere MQ Managed File Transfer
 - WebSphere Application Server V7.0 fix pack 7.0.0.11
 - WebSphere Application Server Community Edition V2.1¹
- Supported databases for WebSphere MQ Managed File Transfer
 - DB2 Advanced Enterprise Server Edition V9.7
 - DB2 Enterprise Server Edition V9.5
 - Oracle Database 11g Enterprise Edition Release 1
 - Oracle Database 11g Enterprise Edition Release 2

When using a database with the Java EE 5 database logger or WebSphere MQ Managed File Transfer web gateway, you should ensure that the Java EE 5 runtime also supports this database product and level.

- Supported web browsers for WebSphere MQ Managed File Transfer web gateway administrative console and sample web application
 - Firefox 3.0 - 3.5
 - Internet Explorer 7
- Prerequisites to run the WebSphere MQ Managed File Transfer protocol bridge agent - A standards compliant FTP or SFTP server which uses a UNIX™ or Windows style file system format
- Prerequisites to run an IBM Sterling Connect:Direct® node as a source or destination of a transfer through a WebSphere MQ Managed File Transfer Connect:Direct bridge agent
 - IBM Sterling Connect:Direct for Windows V4.5.01 server (Build 16 QC18989 or later)
 - IBM Sterling Connect:Direct for Windows V4.4.01 server (Build 11)
 - IBM Sterling Connect:Direct for Unix V4.0.0.0 server (with 04 March 2011 maintenance or later)
 - IBM Sterling Connect:Direct for Unix V3.8 server (with 04 March 2011 maintenance or later)
 - IBM Sterling Connect:Direct for z/OS V5.0.00 server (with POST5000 APAR bucket)
 - IBM Sterling Connect:Direct for z/OS V4.8 server (with maintenance PTF PUT4802 or later)
 - IBM Sterling Connect:Direct for z/OS V4.7 server (with maintenance PTF PUT4702 or later)
 - IBM Sterling Connect:Direct for z/OS V4.6 server (with maintenance PTF PUT4603 or later)

For details about supported platforms, refer to the IBM Sterling Connect:Direct website at

<http://www-01.ibm.com/software/commerce/managed-file-transfer/products/connect-direct/>

- Compiler
 - COBOL for AIX V3.1
 - COBOL for AIX V4.1
 - COBOL for AIX V4.1.1
 - Micro Focus Server Express® 5.1
 - XL C/C++ Enterprise Edition for AIX V8.0
 - XL C/C++ Enterprise Edition for AIX V9.0
 - XL C/C++ for AIX V10.1
 - XL C/C++ for AIX V11.1
 - XL C Enterprise Edition for AIX V8.0
 - XL C Enterprise Edition for AIX V9.0
 - XL C for AIX V10.1
 - XL C for AIX V11.1
- Java Technology
 - IBM Runtime Environment, Java Technology Edition V5
 - IBM Runtime Environment, Java Technology Edition V6
 - IBM Runtime Environment, Java Technology Edition V7

WebSphere MQ advanced message security policies are supported for Java applications using bindings on any supported Java runtime. Support for Java applications using client connections are limited to those running under a supported Java runtime.

- Network communication
 - SNA: Communications Server for AIX V6.3
 - SNA: Communications Server for AIX V6.4
 - TCP/IP: IPv4 and IPv6 provided by the operating system
- Resource managers (when WebSphere MQ is the transaction manager)
 - DB2 Advanced Enterprise Server Edition V9.7
 - DB2 Enterprise Server Edition V9.5
 - IBM Informix® Dynamic Server V11.1
 - Informix Dynamic Server Enterprise Edition V11.50
 - Oracle Database 11g Enterprise Edition Release 1
 - Oracle Database 11g Enterprise Edition Release 2
 - Sybase Adaptive Server Enterprise 15.0
 - Sybase Adaptive Server Enterprise 15.5
- Transaction manager
 - Oracle Tuxedo 10.3
 - Oracle Tuxedo 11g R1
 - IBM TXSeries for Multiplatforms V6.2
 - TXSeries for Multiplatforms V7.1.0.0
 - WebSphere Application Server V6.1

- Virtualization
 - Live Application Mobility (LAM) for Workload Partition (WPAR) AIX V6.1
 - WPAR: Product installed in Global AIX Instance
 - WPAR: Product installed in System Workload Partition AIX V6.1

1 If you are using WebSphere Application Server Community Edition V2.1, you must apply APAR IC72511 to WebSphere MQ before installing the WebSphere MQ JCA Resource Adapter.

For HP²

- Operating system - HP-UX 11i v3 (11.31)
- Application servers
 - Oracle WebLogic Server 11g Release 1
 - WebSphere Application Server V6.1
 - WebSphere Application Server V7.0
 - WebSphere Application Server V8.0
- Supported application servers for the WebSphere MQ Bridge for HTTP
 - WebSphere Application Server V7.0.0.5
 - WebSphere Application Server V8.0
 - WebSphere Application Server Community Edition V2.1
- Supported databases for WebSphere MQ Managed File Transfer
 - DB2 Advanced Enterprise Server Edition V9.7
 - DB2 Enterprise Server Edition V9.5
 - Oracle Database 11g Enterprise Edition Release 2

When using a database with the Java EE 5 database logger or WebSphere MQ Managed File Transfer web gateway, you should ensure that the Java EE 5 runtime also supports this database product and level.
- Prerequisites to run the WebSphere MQ Managed File Transfer protocol bridge agent - A standards compliant FTP or SFTP server which uses a Windows style file system format
- Prerequisites to run an IBM Sterling Connect:Direct node as a source or destination of a transfer through a WebSphere MQ Managed File Transfer Connect:Direct bridge agent
 - IBM Sterling Connect:Direct for Windows V4.5.01 server (Build 16 QC18989 or later)
 - IBM Sterling Connect:Direct for Windows V4.4.01 server (Build 11)
 - IBM Sterling Connect:Direct for Unix V4.0.0.0 server (with 04 March 2011 maintenance or later)
 - IBM Sterling Connect:Direct for Unix V3.8 server (with 04 March 2011 maintenance or later)
 - IBM Sterling Connect:Direct for z/OS V5.0.00 server (with POST5000 APAR bucket)
 - IBM Sterling Connect:Direct for z/OS V4.8 server (with maintenance PTF PUT4802 or later)
 - IBM Sterling Connect:Direct for z/OS V4.7 server (with maintenance PTF PUT4702 or later)
 - IBM Sterling Connect:Direct for z/OS V4.6 server (with maintenance PTF PUT4603 or later)

For details about supported platforms, refer to the IBM Sterling Connect:Direct website at

<http://www-01.ibm.com/software/commerce/managed-file-transfer/products/connect-direct/>

- Compilers
 - HP aCC A.06.16
 - Micro Focus Server Express 5.1
- Java Technology
 - HP Java SDK/JRE/JDK 5.0
 - HP Java SDK/JRE/JDK 6.0
 - IBM Runtime Environment, Java Technology Edition V5
 - IBM Runtime Environment, Java Technology Edition V6
 - IBM Runtime Environment, Java Technology Edition V7

WebSphere MQ advanced message security policies are supported for Java applications using bindings on any supported Java runtime. Support for Java applications using client connections are limited to those running under a supported Java runtime.

- Network communication
 - HP SNAplus2 7.0
 - TCP/IP: IPv4 and IPv6 provided by the operating system
- Resource managers (when WebSphere MQ is the transaction manager)
 - DB2 Advanced Enterprise Server Edition V9.7
 - DB2 Enterprise Server Edition V9.5
 - IBM Informix Dynamic Server V11.1
 - Informix Dynamic Server Enterprise Edition V11.50
 - Oracle Database 11g Enterprise Edition Release 2
 - Sybase Adaptive Server Enterprise 15.0
- Transaction manager
 - Oracle Tuxedo 10.3
 - Oracle Tuxedo 11g R1
 - TXSeries for Multiplatforms V6.2
 - TXSeries for Multiplatforms V7.1.0.0
 - WebSphere Application Server V6.1

² WebSphere MQ Telemetry Server does not run on this platform.

For Linux

- Operating system
 - IBM Retail Environment for SUSE Linux v2 x86-32³
 - Red Flag 5.0 DC Server x86-32⁴
 - Red Hat Enterprise Linux (RHEL) 5 Advanced Platform
 - Red Hat Enterprise Linux (RHEL) 6 Server (System x)
 - Red Hat Enterprise Linux (RHEL) 6 (System p and System z)
 - SUSE Linux Enterprise Point of Service/(NLPOS/SLEPOS) 11 x86-32 only⁵
 - SUSE Linux Enterprise Server (SLES) 10 (all platforms)
 - SUSE Linux Enterprise Server (SLES) 11 (all platforms)
- Application servers
 - Oracle WebLogic Server 11g Release 3 (System x (x86-64) only)
 - Oracle WebLogic Server 11g Release 1 (System x only)
 - WebSphere Application Server V6.1
 - WebSphere Application Server V7.0
 - WebSphere Application Server V8.0

- Support application servers for the WebSphere MQ Bridge for HTTP (System p and System x only)
 - WebSphere Application Server V7.0.0.5
 - WebSphere Application Server V8.0
 - WebSphere Application Server Community Edition V2.1
- Supported application servers for WebSphere MQ Managed File Transfer
 - WebSphere Application Server V7.0 fix pack 7.0.0.11
 - WebSphere Application Server Community Edition V2.1⁶
- Supported databases for WebSphere MQ Managed File Transfer
 - DB2 Advanced Enterprise Server Edition V9.7
 - DB2 Enterprise Server Edition V9.5
 - Oracle Database 10g Standard Edition Release 2 (System p and System z)
 - Oracle Database 11g Enterprise Edition Release 1 (System x)
 - Oracle Database 11g Enterprise Edition Release 2 (System x)

When using a database with the Java EE 5 database logger or WebSphere MQ Managed File Transfer web gateway, you should ensure that the Java EE 5 runtime also supports this database product and level.
- Supported web browsers for WebSphere MQ Managed File Transfer web gateway administrative console and sample web application
 - Firefox 3.0 - 3.5
 - Internet Explorer 7
- Prerequisites to run the WebSphere MQ Managed File Transfer protocol bridge agent - A standards-compliant FTP or SFTP server which uses a UNIX or Windows style file system format
- Prerequisites to run an IBM Connect:Direct bridge agent with the WebSphere MQ Managed File Transfer

Connect:Direct for Unix V4.0.0.0 server (with March 4, 2011, maintenance or later) is supported only on the following operating systems:

 - Linux for System x (32-bit): Red Hat Enterprise Linux (RHEL) 5 Advanced Platform V5.0, V5.1, V5.2, V5.3, and V5.4
 - Linux for System x (64-bit): Red Hat Enterprise Linux (RHEL) 5 Advanced Platform V5.3 and V5.4
 - Linux for System x: Red Hat Enterprise Linux (RHEL) 6 Server
 - Linux for System x: SUSE Linux Enterprise Server (SLES) V10 with service pack 1 or later
 - Linux for System x: SUSE Linux Enterprise Server (SLES) V11
- Prerequisites to run an IBM Sterling Connect:Direct node as a source or destination of a transfer through a WebSphere MQ Managed File Transfer Connect:Direct bridge agent
 - IBM Sterling Connect:Direct for Windows V4.5.01 server (Build 16 QC18989 or later)
 - IBM Sterling Connect:Direct for Windows V4.4.01 server (Build 11)
 - IBM Sterling Connect:Direct for Unix V4.0.0.0 server (with 04 March 2011 maintenance or later)
 - IBM Sterling Connect:Direct for Unix V3.8 server (with 04 March 2011 maintenance or later)
 - IBM Sterling Connect:Direct for z/OS V5.0.00 server (with POST5000 APAR bucket)
 - IBM Sterling Connect:Direct for z/OS V4.8 server (with maintenance PTF PUT4802 or later)
 - IBM Sterling Connect:Direct for z/OS V4.7 server (with maintenance PTF PUT4702 or later)

- IBM Sterling Connect:Direct for z/OS V4.6 server (with maintenance PTF PUT4603 or later)
- Compilers
 - GNU C Compiler (gcc) and g++ 4.1.2 (RHEL 5 and SLES 10 only)
 - GNU C Compiler (gcc) and g++ 4.3 (SLES 11 only)
 - GNU C Compiler (gcc) and g++ 4.4.4 (RHEL 6 only)
 - Micro Focus Server Express 5.1
- Java Technology
 - IBM Runtime Environment, Java Technology Edition V5
 - IBM Runtime Environment, Java Technology Edition V6
 - IBM Runtime Environment, Java Technology Edition V7
 - Oracle JRockit 6 (System x only)⁷
 - Sun Java SDK/JRE/JDK 5.0/1.5 or 6.0/1.6

WebSphere MQ advanced message security policies are supported for Java applications using bindings on any supported Java runtime. Support for Java applications using client connections are limited to those running under a supported Java runtime.

- Network communication
 - Communications Server for Linux on zSeries® V6.2 ⁸
 - TCP/IP: IPv4 and IPv6 provided by the operating system.
 - SNA LU6.2 Services for Linux
 - Resource managers (when WebSphere MQ is the transaction manager)
 - DB2 Advanced Enterprise Server Edition V9.7
 - DB2 Enterprise Server Edition V9.5
 - IBM Informix Dynamic Server V11.1
 - Informix Dynamic Server Enterprise Edition V11.50
 - Oracle Database 10g Standard Edition Release 2 (System p and System z)
 - Oracle Database 11g Enterprise Edition Release 1 (System x)
 - Oracle Database 11g Enterprise Edition Release 2 (System x)
 - Sybase Adaptive Server Enterprise 15.0 (System p and System x)
 - Sybase Adaptive Server Enterprise 15.5 (System p and System x)
 - Transaction manager
 - Oracle Tuxedo 10.3 (System x)
 - Oracle Tuxedo 11g R1 (System x)
 - Virtualization
 - IBM PowerVM™ Hypervisor (LPAR, DPAR, Micro-Partition) (Linux for System p)
 - IBM PR/SM™ any version (Linux for System z and RHEL 5)
 - Red Hat KVM, as delivered with Red Hat Enterprise Linux (RHEL) 5.4
 - SUSE KVM, as delivered with SUSE Linux Enterprise Server (SLES) 11
 - z/VM® 6.1 (Linux for System z and RHEL 5)
- 3** WebSphere MQ Managed File Transfer and WebSphere MQ Advanced Message Security components are not supported on this platform.
- 4** WebSphere MQ Managed File Transfer and WebSphere MQ Advanced Message Security components are not supported on this platform
- 5** WebSphere MQ Managed File Transfer and WebSphere MQ Advanced Message Security components are not supported on this platform.
- 6** If you are using WebSphere Application Server Community Edition V2.1, you must apply APAR IC72511 to WebSphere MQ before installing the WebSphere MQ JCA Resource Adapter.

- 7 Only supported when being used in conjunction with Oracle WebLogic Server.
- 8 Only supported on Linux for System p and Linux for System x 32-bit platforms.

For Oracle Solaris⁹

- Operating system
 - Oracle Solaris 10 SPARC
 - Oracle Solaris 10 x86-64
- Application servers
 - Oracle WebLogic Server 10g Release 3 10.3 (SPARC)
 - Oracle WebLogic Server 11g Release 1
 - WebSphere Application Server V6.1
 - WebSphere Application Server V7.0
 - WebSphere Application Server V8.0
- Supported application servers for the WebSphere MQ Bridge for HTTP
 - WebSphere Application Server V7.0.0.5
 - WebSphere Application Server V8.0
 - WebSphere Application Server Community Edition V2.1
- Supported databases for WebSphere MQ Managed File Transfer
 - DB2 Advanced Enterprise Server Edition V9.7
 - DB2 Enterprise Server Edition V9.5
 - Oracle Database 11g Enterprise Edition Release 1
 - Oracle Database 11g Enterprise Edition Release 2
- Prerequisites to run the WebSphere MQ Managed File Transfer protocol bridge agent - A standards compliant FTP or SFTP server which uses a UNIX or Windows style file system format
- Prerequisites to run an IBM Sterling Connect:Direct node as a source or destination of a transfer through a WebSphere MQ Managed File Transfer Connect:Direct bridge agent
 - IBM Sterling Connect:Direct for Windows V4.5.01 server (Build 16 QC18989 or later)
 - IBM Sterling Connect:Direct for Windows V4.4.01 server (Build 11)
 - IBM Sterling Connect:Direct for Unix V4.0.0.0 server (with 04 March 2011 maintenance or later)
 - IBM Sterling Connect:Direct for Unix V3.8 server (with 04 March 2011 maintenance or later)
 - IBM Sterling Connect:Direct for z/OS V5.0.00 server (with POST5000 APAR bucket)
 - IBM Sterling Connect:Direct for z/OS V4.8 server (with maintenance PTF PUT4802 or later)
 - IBM Sterling Connect:Direct for z/OS V4.7 server (with maintenance PTF PUT4702 or later)
 - IBM Sterling Connect:Direct for z/OS V4.6 server (with maintenance PTF PUT4603 or later)

For details about supported platforms, refer to the IBM Sterling Connect:Direct website at

<http://www-01.ibm.com/software/commerce/managed-file-transfer/products/connect-direct/>

- Compilers
 - Micro Focus Server Express 5.1
 - Sun Studio 12
 - Sun Studio 10, C++ Compiler 5.7

- Sun Studio 11, C++ Compiler 5.8
- Sun Studio 9, C++ Compiler 5.6 (SPARC)
- Java Technology
 - IBM Runtime Environment, Java Technology Edition V5
 - IBM Runtime Environment, Java Technology Edition V6
 - IBM Runtime Environment, Java Technology Edition V7
 - Oracle JRockit 6 (SPARC)¹⁰
 - Sun Java SDK/JRE/JDK 5.0/1.5
 - Sun Java SDK/JRE/JDK 6.0/1.6

WebSphere MQ advanced message security policies are supported for Java applications using bindings on any supported Java runtime. Support for Java applications using client connections are limited to those running under a supported Java runtime.

- Network communication
 - SNA: Data Connection SNAP-IX 7.0 (SPARC)
 - TCP/IP: IPv4 and IPv6 provided by the operating system
- Resource managers (when WebSphere MQ is the transaction manager)
 - DB2 Advanced Enterprise Server Edition V9.7
 - DB2 Enterprise Server Edition V9.5
 - IBM Informix Dynamic Server V11.1
 - Informix Dynamic Server Enterprise Edition V11.50
 - Oracle Database 11g Enterprise Edition Release 1
 - Oracle Database 11g Enterprise Edition Release 2
 - Sybase Adaptive Server Enterprise 15.0
 - Sybase Adaptive Server Enterprise 15.5
- Transaction manager
 - Oracle Tuxedo 10.3 (SPARC)
 - Oracle Tuxedo 11g R1
 - TXSeries for Multiplatforms V6.2 (SPARC)
 - TXSeries for Multiplatforms V7.1.0.0 (SPARC)
 - WebSphere Application Server V6.1

⁹ WebSphere MQ Telemetry does not run on this platform.

¹⁰ Only supported when being used in conjunction with Oracle WebLogic Server.

For Windows

- Operating system
 - Windows Embedded Point of Service (WEPOS) 1.0 x86-32 ¹¹
 - Windows XP Professional x86-64
 - Windows XP SP2 Professional x86-32
 - Windows Vista Business, Enterprise, Ultimate (x86-32 and x86-64)
 - Windows Server 2008 Standard Edition, Enterprise Edition (x86-32 and x86-64)
 - Windows Server 2008 R2 Standard Edition, Enterprise Edition (x86-64)
 - Windows Server 2003 SP1 Standard Edition, Enterprise Edition (x86-32 and x86-64)
 - Windows Server 2003 R2 SP1 Standard Edition, Enterprise Edition (x86-32 and x86-64)
 - Windows 7 Ultimate, Professional, Enterprise (x86-32 and x86-64)

- .Net ¹²
 - Microsoft .NET Framework 2.0
 - Microsoft .NET Framework 3.0
 - Microsoft .NET Framework 3.5
 - Microsoft .NET Framework 4.0
- Application servers
 - Oracle WebLogic Server 10g Release 3 10.3
 - Oracle WebLogic Server 11g Release 1
 - WebSphere Application Server V6.1
 - WebSphere Application Server V7.0
 - WebSphere Application Server V8.0
- Supported application servers for the WebSphere MQ Bridge for HTTP
 - WebSphere Application Server V7.0.0.5
 - WebSphere Application Server V8.0
 - WebSphere Application Server Community Edition V2.1
- Supported application servers for WebSphere MQ Managed File Transfer
 - WebSphere Application Server 7.0 fix pack 7.0.0.11
 - WebSphere Application Server Community Edition 2.1 ¹³
- Supported databases for WebSphere MQ Managed File Transfer
 - DB2 Advanced Enterprise Server Edition V9.7 ¹⁴
 - DB2 Enterprise Server Edition V9.5 ¹⁵
 - DB2 9.7 with fix pack 1 or later
 - Oracle Database 11g Enterprise Edition Release 1
 - Oracle Database 11g Enterprise Edition Release 2

When using a database with the Java EE 5 database logger or WebSphere MQ Managed File Transfer web gateway, you should ensure that the Java EE 5 runtime also supports this database product and level.

- Supported web browsers for WebSphere MQ Managed File Transfer web gateway administrative console and sample web application
 - Firefox 3.0 - 3.5
 - Internet Explorer 7
- Prerequisites to run the WebSphere MQ Managed File Transfer protocol bridge agent - A standards-compliant FTP or SFTP server which uses a Windows style file system format
- Prerequisites to run an IBM Sterling Connect:Direct agent with WebSphere Managed File Transfer
 - Connect:Direct for Windows V4.5.01 (Build 16 QC18989 or later) server
 - Connect:Direct for Windows V4.4.01 (Build 11) server

Supported only on the following operating systems:

- Microsoft Windows XP Professional x86-32
- Microsoft Windows Server 2003 SP2 Standard Edition, Enterprise Edition (x86-32 and x86-64)
- Microsoft Windows Server 2008 SP2 Standard Edition, Enterprise Edition (x86-32 and x86-64)
- Prerequisites to run an IBM Sterling Connect:Direct node as a source or destination of a transfer through a WebSphere MQ Managed File Transfer Connect:Direct bridge agent
 - IBM Sterling Connect:Direct for Windows V4.5.01 server (Build 16 QC18989 or later)

- IBM Sterling Connect:Direct for Windows V4.4.01 server (Build 11)
- IBM Sterling Connect:Direct for Unix V4.0.0.0 server (with 04 March 2011 maintenance or later)
- IBM Sterling Connect:Direct for Unix V3.8 server (with 04 March 2011 maintenance or later)
- IBM Sterling Connect:Direct for z/OS V5.0.00 server (with POST5000 APAR bucket)
- IBM Sterling Connect:Direct for z/OS V4.8 server (with maintenance PTF PUT4802 or later)
- IBM Sterling Connect:Direct for z/OS V4.7 server (with maintenance PTF PUT4702 or later)
- IBM Sterling Connect:Direct for z/OS V4.6 server (with maintenance PTF PUT4603 or later)

For details about supported platforms, refer to the IBM Sterling Connect:Direct website at

<http://www-01.ibm.com/software/commerce/managed-file-transfer/products/connect-direct/>

- Compilers
 - Micro Focus Server Express 5.1
 - Microsoft Visual Basic 6
 - Microsoft Visual Studio 2005
 - Microsoft Visual Studio 2008
 - Microsoft Visual Studio 2010
- Java Technology
 - IBM Runtime Environment, Java Technology Edition V5
 - IBM Runtime Environment, Java Technology Edition V6
 - IBM Runtime Environment, Java Technology Edition V7
 - Oracle JRockit 6 ¹⁶
 - Sun Java SDK/JRE/JDK 5.0 update 1
 - Sun Java SDK/JRE/JDK 6.0/1.6

WebSphere MQ advanced message security policies are supported for Java applications using bindings on any supported Java runtime. Support for Java applications using client connections are limited to those running under a supported Java runtime.

- Network communication
 - IBM Communications Server V6.1.2 and future releases, modification levels, and fix packs
 - Microsoft Host Integration Server 2009
 - Microsoft Host Integration Server 2010
 - Personal Communications 6.0
 - TCP/IP: IPv4 and IPv6 provided by the operating system
 - NetBIOS: Provided with the operating system on Windows
 - SPX: Sequence Package Exchange provided with Windows XP and 2003 operating systems
- Resource managers (when WebSphere MQ is the transaction manager)
 - DB2 Advanced Enterprise Server Edition V9.7 ¹⁷
 - DB2 Enterprise Server Edition V9.5 ¹⁸
 - IBM Informix Dynamic Server V11.1
 - Informix Dynamic Server Enterprise Edition V11.50
 - Oracle Database 11g Enterprise Edition Release 1

- Oracle Database 11g Enterprise Edition Release 2
- Sybase Adaptive Server Enterprise 15.0
- Sybase Adaptive Server Enterprise 15.5
- Transaction manager
 - Oracle Tuxedo 10.3
 - Oracle Tuxedo 11g R1
 - TXSeries for Multiplatforms V6.2
 - TXSeries for Multiplatforms V7.1.0.0
 - WebSphere Application Server V6.1
 - COM+/MTS provided with Microsoft Windows may also be used as a transaction manager.

11 Managed file transfer and advanced message security components are not supported on this platform.

12 Advanced message security is not fully supported in fully managed .NET applications.

13 If you are using WebSphere Application Server Community Edition 2.1 you must apply APAR IC72511 to WebSphere MQ before installing the WebSphere MQ JCA Resource Adapter.

14 Only 64-bit DB2 instances can be used with 64-bit WebSphere MQ.

15 Only 64-bit DB2 instances can be used with 64-bit WebSphere MQ.

16 Only supported when being used in conjunction with Oracle WebLogic Server.

17 Only 64-bit DB2 instances can be used with 64-bit WebSphere MQ.

18 Only 64-bit DB2 instances can be used with 64-bit WebSphere MQ.

For the WebSphere MQ Telemetry operating environment:

WebSphere MQ Telemetry is a feature of the WebSphere MQ product. The Telemetry server runs only on a subset of the WebSphere MQ supported platforms.

For AIX

Operating system (Server, Daemon, C Client, and Java Client)

- AIX 6.1 POWER System
- AIX 7.1 POWER System

For Linux

Operating system

- Server, Daemon, C Client, and Java Client
 - Red Hat Enterprise Linux (RHEL) 5 Advanced System z
 - Red Hat Enterprise Linux (RHEL) 5 Advanced x86-64
 - Red Hat Enterprise Linux (RHEL) 6 Advanced System z
 - Red Hat Enterprise Linux (RHEL) 6 Advanced x86-64
 - SUSE Linux Enterprise Server (SLES) 10 System z
 - SUSE Linux Enterprise Server (SLES) 11 x86-64
- Daemon, C Client, and Java Client only
 - Red Hat Enterprise Linux (RHEL) 5 Advanced x86-32
 - Red Hat Enterprise Linux (RHEL) 6 Advanced x86-32
 - SUSE Linux Enterprise Server (SLES) 11 x86-64

- Daemon and C Client only
 - Linux for ARM processor architecture, with uclibc
 - Linux for ARM processor architecture, with glibc

For Windows

Operating system (Server, Daemon, C Client, and Java Client)

- Windows XP SP2 Professional x86-32
- Windows Server 2008 Standard Edition, Enterprise Edition (x86-32 and x86-64)
- Windows Server 2008 R2 Standard Edition, Enterprise Edition (x86-64)
- Windows Server 2003 SP1 Standard Edition, Enterprise Edition (x86-32 and x86-64)
- Windows 7 Ultimate, Professional (x86-32 and x86-64)

For Mobile operating system

Operating system - Java Client only (when using a Java runtime supplied with IBM Lotus® Expeditor Client for Devices 6.2 or later, or IBM Lotus Expeditor Client for Desktop 6.2 or later)

- Windows Mobile 6.0 Professional and Standard
- Windows Mobile 6.1 Professional and Standard
- Windows Mobile 6.5 Professional and Standard

General

Telemetry Java Client is not restricted to running on the reference platforms. It can also run on any platform where a suitable Java runtime is available. The IBM service team may request that a problem be reproduced on a reference platform. The client can be run on the following Java runtimes:

- Java 2 Platform, Standard Edition (J2SE) 1.4.2 or above that is "Java compatible"
- Java Platform, Micro Edition (Java ME) CLDC 1.1 MIDP 2.0 or later that is Java powered
- Java Platform, Micro Edition (Java ME) CDC 1.1 Foundation profile 1.1 or later that is Java powered

The program's specifications and specified operating environment information may be found in documentation accompanying the program, if available, such as a README file, or other information published by IBM, such as an announcement letter. Documentation and other program content may be supplied only in the English language.

Compatibility

WebSphere MQ V7.5 queue managers and clients interoperate with queue managers and clients from current and previous level of WebSphere MQ or MQSeries products.

The WebSphere MQ Explorer runs on the Linux on x86, Linux on x86-64, and Windows platforms. The MQ Explorer can be used on a client connection from an earlier supported level of WebSphere MQ on a different platform.

WebSphere MQ Managed File Transfer supports file transfer to and from server and client installations at any level of WebSphere MQ File Transfer Edition.

Limitations

For additional information, refer to [Usage restriction](#) in the [Terms and conditions](#) section of this announcement, or to the license information document that is available on the IBM Software License Agreement website

<http://www.ibm.com/software/sla/sladb.nsf>

Planning information

Packaging

The WebSphere MQ V7.5 media pack includes the following DVDs for server and clients:

- WebSphere MQ for AIX
- WebSphere MQ for HP-UX on Itanium platform
- WebSphere MQ for Linux on x86-64 platform
- WebSphere MQ for Linux on x86 platform
- WebSphere MQ for Linux on System z platform
- WebSphere MQ for Linux on POWER platform
- WebSphere MQ for Solaris on x86-64 platform
- WebSphere MQ for Solaris SPARC platform
- WebSphere MQ for Windows
- WebSphere MQ Quick Start

This program, when downloaded from a website, contains the applicable IBM license agreement and License Information, if appropriate, and will be presented for acceptance at the time of installation of the program. For future reference, the license and License Information will be stored in a directory such as LICENSE.TXT.

Security, auditability, and control

WebSphere MQ uses the security and auditability features of the host software.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities. The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

Software Services

IBM Software Services has the breadth, depth, and reach to manage your services needs. You can leverage the deep technical skills of our lab-based, software services team and the business consulting, project management, and infrastructure expertise of our IBM Global Services team. Also, we extend our IBM Software Services reach through IBM Business Partners to provide an extensive portfolio of capabilities. Together, we provide the global reach, intellectual capital, industry insight, and technology leadership to support a wide range of critical business needs.

To learn more about IBM Software Services or to contact a Software Services sales specialist, visit

<http://www.ibm.com/software/sw-services/>

Ordering information

This product is only available via Passport Advantage. It is not available as shrinkwrap.

Licensed function title	Product group	Product category
WebSphere MQ	IBM MQSeries	MQSeries
Program name	PID number	Charge unit description
WebSphere MQ	5724-H72	Per PVU
WebSphere MQ	5724-H72	Per PVU for Linux on System z
WebSphere MQ	5724-H72	Processor-Day
WebSphere MQ	5724-H72	Per Install
WebSphere MQ	5724-H72	Client

Product group: IBM MQSeries
Product Identifier Description (PID)
WebSphere MQ 5724-H72

Product category: MQ Series

Charge metric

Program name	Part number or PID number	Charge metric
WebSphere MQ	5724-H72	per PVU
WebSphere MQ	5724-H72	Per PVU
WebSphere MQ	5724-H72	PVU for Linux on Sys z
WebSphere MQ	5724-H72	Processor-Day
WebSphere MQ	5724-H72	Per Install
WebSphere MQ	5724-H72	Client

Install

Install is a unit of measure by which the program can be licensed. An install is an installed copy of the program on a physical or virtual disk made available to be executed on a computer. Licensee must obtain an entitlement for each install of the program.

Processor Value Unit (PVU)

PVU is a unit of measure by which the program can be licensed. The number of PVU entitlements required is based on the processor technology (defined within the PVU table by processor value, brand, type, and model number at the website below) and the number of processors made available to the program. IBM continues to define a processor, for the purpose of PVU-based licensing, to be each processor core on a chip. A dual-core processor chip, for example, has two processor cores. The PVU table can be found at

http://www.ibm.com/software/lotus/passportadvantage/pvu_licensing_for_customers.html

Licensee can deploy the program using either full capacity licensing or virtualization capacity (sub-capacity) licensing according to the Passport Advantage Sub-Capacity Licensing Terms (refer to the web page below). If using Full Capacity licensing, Licensee must obtain PVU entitlements sufficient to cover all activated processor cores* in the physical hardware environment made available to or managed by the Program, except for those servers from which the program was permanently removed.

If using Virtualization Capacity licensing, Licensee must obtain entitlements sufficient to cover all activated processor cores made available to or managed by the

Program, as defined according to the Virtualization Capacity License Counting Rules at

http://www.ibm.com/software/lotus/passportadvantage/Counting_Software_licenses_using_specific_virtualization_technologies.html

* An activated processor core is a processor core that is available for use in a physical or virtual server, regardless of whether the capacity of the processor core can be or is limited through virtualization technologies, operating system commands, BIOS settings, or similar restrictions.

Notes

- Some programs may require licenses for the program **and** what is being managed. In that case, the following applies. In addition to the entitlements required for the program directly, licensee must obtain PVU entitlements for this program sufficient to cover the processor cores managed by the program.
- Some programs may be licensed on a managed basis only. In that case, the following applies. Instead of the entitlements required for the program directly, licensee must obtain PVU entitlements for this program sufficient to cover the processor cores managed by the program.
- A few programs on an exception basis may be licensed on a referenced basis. In that case, the following applies. Rather than obtaining entitlements for the activated processor cores available to the program, licensee must obtain PVU entitlements for this program sufficient to cover the environment made available to the referenced program as if the program itself were executing everywhere the referenced program was executing, independent of the basis on which the referenced program is licensed.

Passport Advantage

Program name/Description	Part number
WebSphere MQ	
WebSphere MQ Per Processor Value Unit (PVU) Annual SW S&S Rnw1	E0256LL
WebSphere MQ Per Processor Value Unit (PVU) Lic + SW S&S 12 Mo	D55V1LL
WebSphere MQ Per Processor Value Unit (PVU) SW S&S Reinstat 12 Mo	D55V2LL
MQ Idle Standby PVU Lic+1yr Maint	D0GGQLL
MQ Idle Standby PVU S&S Renewal	E0ALULL
MQ Idle Standby PVU Reinstat 12 Mo	D0GGSLL
WebSphere MQ Telemetry	
WebSphere MQ Telemetry per Install Lic +SW S&S 12 mo	D0PJTL
WebSphere MQ Telemetry per Install Annual S&S Rnw1	E0DRHLL
WebSphere MQ Telemetry per Install SW S&S Reinstat 12mo	D0PJULL
WebSphere MQ Telemetry Advanced	
WebSphere MQ Telemetry Advanced 100 Client Devices Annual SW S&S Rnw1	E08V3LL
WebSphere MQ Telemetry Advanced 100 Client Devices Lic + SW S&S 12 Mo	D0D6HLL
WebSphere MQ Telemetry Advanced 100 Client Devices SW S&S Reinstat 12 Mo	D0D6ILL
WebSphere MQ Advanced Message Security Component	
WebSphere MQ Advanced Message Security Component PVU Lic + SW S&S 12 Mo	D0PLFLL
WebSphere MQ Advanced Message Security Component PVU Annual SW S&S Rnw1	E0DS8LL
WebSphere MQ Advanced Message Security Component PVU S&S Reinstat 12 Mo	D0PLGLL

WS MQ AMS Component Idle Standby per 10 PVUs Lic + SW S&S 12 Mo	D0PKZLL
WS MQ AMS Component Idle Standby per 10 PVUs Annual SW S&S Rnw1	E0DSOLL
WS MQ AMS Component Idle Standby per 10 PVUs S&S Reinstate 12 Mo	D0PL0LL
WS MQ AMS Component Idle Stby 10 PVUs Lin Sy ZE Bc Lic + SW S&S 12 Mo	D0PKWLL
WS MQ AMS Component Idle Stby 10 PVUs Lin Sy ZE Bc Annual SW S&S Rnw1	E0DRZLL
WS MQ AMS Component Idle Stby 10 PVUs Lin Sy ZE Bc S&S Reinstate 12 Mo	D0PKXLL
WebSphere MQ AMS Comp PVU Lin Sys z/zEnterprise Bc Lic + SW S&S 12 Mo	D0PLCLL
WebSphere MQ AMS Comp PVU Lin Sys z/zEnterprise Bc Annual SW S&S Rnw1	E0DS7LL
WebSphere MQ AMS Comp PVU Lin Sys z/zEnterprise Bc S&S Reinstate 12 Mo	D0PLDLL
WebSphere MQ Managed File Transfer Component WebSphere MQ Managed File Transfer Service PVU Lic + SW S&S 12 Mo	D0PJZLL
WebSphere MQ Managed File Transfer Service PVU Annual SW S&S Rnw1	E0DRKLL
WebSphere MQ Managed File Transfer Service PVU S&S Reinstate 12 Mo	D0PK0LL
WS MQ Managed File Transfer Service Idle St 10 PVUs Lic + SW S&S 12 Mo	D0PJXLL
WS MQ Managed File Transfer Service Idle St 10 PVUs Annual SW S&S Rnw1	E0DRJLL
WS MQ Managed File Transfer Service Idle St 10 PVUs S&S Reinstate 12 Mo	D0PJYLL
WS MQ Man File Transf Ser Idle St 10 PVUs Lin Sys z Lic + SW S&S 12 Mo	D0PJVLL
WS MQ Man File Transf Ser Idle St 10 PVUs Lin Sys z Annual SW S&S Rnw1	E0DRILL
WS MQ Man File Transf Ser Idle St 10 PVUs Lin Sys z S&S Reinstate 12 Mo	D0PJWLL
WebS MQ Man File Transf PVU Lin Sys z/zE Bc Lic + SW S&S 12 Mo	D0PK1LL
WebS MQ Man File Transf PVU Lin Sys z/zE Bc Annual SW S&S Rnw1	E0DRLLL
WebS MQ Man File Transf PVU Lin Sys z/zE Bc S&S Reinstate 12 Mo	D0PK2LL
WebS MQ Man File Transf Agent per Client Device Lic + SW S&S 12 Mo	D0PKULL
WebS MQ Man File Transf Agent per Client Device Annual SW S&S Rnw1	E0DRYLL
WebS MQ Man File Transf Agent per Client Device S&S Reinstate 12 Mo	D0PKVLL
WebS MQ Managed File Tf Ag Clnt Dev Lin Sys z/zEp Bc Lic + SW S&S 12 Mo	D0PKSLL
WebS MQ Managed File Tf Ag Clnt Dev Lin Sys z/zEp Bc Annual SW S&S Rnw1	E0DRXLL
WebS MQ Managed File Tf Ag Clnt Dev Lin Sys z/zEp Bc S&S Reinstate 12 Mo	D0PKTLL

Passport Advantage trade up

You must have previously acquired licenses for the following precursor products to be eligible to acquire equivalent licenses of the trade-up products.

Precursor product	Trade up product	Trade up part number
WebS MQ AMS PVU	WebSphere MQ AMS Component PVU Trdup Lic + SW S&S 12 Mo	D0PLHLL
WebS MQ AMS Idle Stby 10 PVUs	WebSphere MQ AMS Component Idle Stby 10 PVUs Trdup Lic + SW S&S 12 Mo	D0PL1LL

webs MQ AMS Idle Stby 10 PVUs Sz	webs MQ AMS Comp IS 10 PVUs SzE Bc Trdup Lic + SW S&S 12 Mo	D0PKYLL
webs MQ AMS PVU	webs MQ AMS Comp PVU Sys zEN Bc Trdup Lic + SW S&S 12 Mo	D0PLELL

Consult your IBM representative if you have any questions.

Passport Advantage customer: Media pack entitlement details

Customers with active maintenance or subscription for the product listed are entitled to receive the corresponding media pack.

websphere MQ for Mutliplatforms

Entitled maintenance offerings description	Media packs description	Part number
WebSphere MQ Processor Value Unit	webSphere MQ V7.5 for Multiplatforms Multilingual Media Pack	BA145ML
WebSphere MQ Linux zSeries Processor Value Unit	webSphere MQ V7.5 for Multiplatforms Multilingual Media Pack	BA145ML

Cross-platform product for use on System z Integrated Facility for Linux (IFL) engines

Order the part numbers that follow when the product is intended to run on the Linux operating system on System z IFL engines. If the product is not intended to run on the Linux operating system on System z IFL engines, order from the other set of part numbers in this announcement. This set of part numbers provides the identical supply and authorization as the other set in this announcement.

Program name/Description	Part number
WebSphere MQ Processor Value Unit for Lin Sys z Annual SW S&S Rnw1	E0257LL
WebSphere MQ Processor Value Unit for Lin Sys z Lic + SW S&S 12 Mo	D55V4LL
WebSphere MQ Processor Value Unit for Lin Sys z SW S&S Reinstate 12 Mo	D55V5LL
MQ Idle Standby Linux on System z PVU Lic+1yr Maint	D0GGNLL
MQ Idle Standby Linux on System z PVU S&S Renewal	E0ALTLL
MQ Idle Standby Linux on System z PVU Reinstate 12 Mo	D0GGPLL
On/Off Capacity on Demand (CoD)	
WebSphere MQ Processor-Day Per Use-Day 00CoD	ASQ24LL

Processor Value Unit (PVU) sub-capacity licensing

This software product is eligible for sub-capacity licensing. Customers must accept the terms of the IBM International Passport Advantage Agreement Attachment for Sub-Capacity Licensing Terms (Attachment), and must obtain PVU Proofs of Entitlement (PoEs) for the maximum processor core capacity available to an eligible sub-capacity product when deployed in an eligible virtualization environment. This is also referred to as sub-capacity or virtualization capacity licensing.

Customers must use the IBM License Metric Tool unless they meet the exceptions described in the Attachment.

For information regarding PVU sub-capacity licensing, including terms and IBM License Metric Tool ordering information, visit

<http://www.ibm.com/software/lotus/passportadvantage/subcaplicensing.html>

Terms and conditions

The information provided in this announcement letter is for reference and convenience purposes only. The terms and conditions that govern any transaction with IBM are contained in the applicable contract documents such as the IBM International Program License Agreement, IBM International Passport Advantage Agreement, and the IBM Agreement for Acquisition of Software Maintenance.

This product is only available via Passport Advantage. It is not available as shrinkwrap.

Licensing

IBM International Program License Agreement including the License Information document and Proof of Entitlement (PoE) govern your use of the program. PoEs are required for all authorized use. Part number products only, offered outside of Passport Advantage, where applicable, are license only and do not include Software Maintenance.

License Information reference number

Program Name	Program Number	License ID
WebSphere MQ	5724-H72	L-ACRR-8RZDUP

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