



IBM WebSphere MQ File Transfer Edition V7.0.2 products enhance managed file transfer with further connectivity, platform coverage, and security

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At a glance

WebSphere® MQ File Transfer Edition V7.0.2 enhances the IBM® managed file transfer solution for both distributed platforms and z/OS® on IBM System z®. These enhancements further increase the connectivity, platform coverage, connectivity, and security of this offering. WebSphere MQ File Transfer Edition leverages the proven WebSphere MQ transport to transfer files with auditability, visibility, and reliability. Enhancements include:

- Support for the IBM i platform (iSeries®)
- Ability to bridge to FTP and Secure File Transfer Protocol (SFTP) and Secure Shell (SSH) servers
- Enhanced security with more granular access control for users and groups
- Extended platform coverage for database archiving of file transfer audit log
- Enhancements to ease deployment between test and production configurations
- Documentation for configuring transfers through the business-to-business (B2B) gateway provided by WebSphere DataPower® B2B Appliance XB60

For ordering, contact your IBM representative, an IBM Business Partner, or IBM Americas Call Centers at 800-IBM-CALL (Reference: YE001).

Overview

WebSphere MQ File Transfer Edition products deliver a managed file transfer solution for moving files with auditability, visibility, and reliability. These products leverage WebSphere MQ messaging as its reliable transport mechanism for moving files and enables files to be moved regardless of size.

An audit log of file movements enables organizations to demonstrate that business data in files is transferred with integrity from source to target file system. Graphical configuration tooling, supplied with the product on distributed platforms and integrated with WebSphere MQ Explorer, enables quick and easy definition of transfers remotely from Microsoft® Windows® or Linux® on x86 machines without the need for programming.

On distributed platforms, WebSphere MQ File Transfer Edition includes a copy of WebSphere MQ, the license of which is limited for use on the same machine as the product. It entitles the client to use its full WebSphere MQ messaging functionality.

Trade-up licenses are available for existing clients who want to upgrade machines running WebSphere MQ to WebSphere MQ File Transfer Edition. Clients who upgrade can continue to use the full messaging capabilities of the limited license copy of WebSphere MQ that is supplied with WebSphere MQ File Transfer Edition. Machines running WebSphere MQ File Transfer Edition provide a multipurpose connectivity solution for files and messages.

WebSphere MQ for z/OS is a prerequisite for WebSphere MQ File Transfer Edition for z/OS. A separate license of WebSphere MQ for z/OS is required for this product on the System z platform.

Organizations that run separate mechanisms for file and message traffic can consolidate on a single, reliable transport capable of handling both file and message traffic. Using a single reliable backbone can help achieve these operational efficiencies by reducing the need to deploy and manage separate parallel networks for messages and files.

Key prerequisites

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

Planned availability date

WebSphere MQ File Transfer Edition V7.0.2

- November 27, 2009 (electronic software delivery)
- December 4, 2009 (media and documentation)

WebSphere MQ File Transfer Edition for z/OS V7.0.2

- December 4, 2009 (media and documentation)

Description

WebSphere MQ File Transfer Edition delivers a managed file transfer solution for moving files regardless of their size. It adds file transfer services to the WebSphere MQ backbone to enable movement of files in a managed way with auditability, visibility, and reliability.

WebSphere MQ File Transfer Edition delivers a service oriented architecture (SOA)-ready managed file transfer solution that can replace "home-grown" and FTP-based approaches to file movement.

The enhancements in WebSphere MQ File Transfer Edition V7.0.2 are compatible with WebSphere MQ File Transfer Edition V7.0.1.

What's new

- Support for the IBM i operating system (V5R4 and V6R1) further extends the range of platforms already supported for both server (local WebSphere MQ queue manager) and client configurations (remote WebSphere MQ queue manager).
- Ability to bridge to FTP and SFTP (SSH) servers. Files can be transferred from WebSphere MQ File Transfer Edition to and from FTP or SFTP servers. The source or destination agent for a file transfer can be an FTP or SFTP server that bridges the transfer to the non-MQ protocol. File transfers bridged to FTP and SFTP retain auditability and reliability. There is no need for WebSphere MQ or WebSphere MQ File Transfer Edition to be installed at the FTP or SFTP location. Bridging agents for FTP and SFTP is fully integrated into the graphical, command line, and scripting interfaces. This helps ease migration from a non-managed (FTP or SFTP) network to a managed network based on WebSphere MQ File Transfer Edition.

- Enhanced security with more granular access control for users and groups. This provides the ability to easily configure fine-grained access control to agent resources, delivering user- and group-based control of who can transfer files to a particular agent, transfer files from a particular agent, and perform operational and administrative agent functions.
- Extended platform coverage for database archiving of file transfer audit log. This enables you to archive transfer audit log data to external relational databases running on the z/OS, Solaris, and Linux on x86 platforms for audit and archiving purposes. An external database is needed -- a database is not included with the product. This feature is available on supported platforms where WebSphere MQ Transaction Coordination (XA) is available and provides transactional transfer of audit messages from the audit log queue to external databases. By default, transfer audit log messages are held in persistent queues.
- Enhancements to ease deployment between test and production configurations. This enables WebSphere MQ File Transfer queue-based artefacts to be created via a scriptable interface. Information can be used to create an agent configuration to be stored in an external change-control repository, facilitating reliable migration of deployments from test to production environments.
- Documentation for configuring transfers through the B2B gateway provided by WebSphere DataPower B2B Appliance XB60. This enables file transfers to be sent via the B2B gateway to trading partners who use a range of alternative transports such as AS2.

In addition, new IBM SupportPacs extend the capabilities of WebSphere MQ File Transfer Edition.

SupportPac™ FA01 can help govern the Agent infrastructure of WebSphere MQ File Transfer Edition. It provides a plug-in to the IBM SOA Repository, WebSphere Service Registry & Repository. Using this plug-in, information about file transfer agents and queue manager connections can be retrieved from WebSphere MQ File Transfer Edition and SOA assets generated to represent these in WebSphere Service Registry & Repository. This can enable administrators to analyse the relationships between agents and the underlying MQ network, and determine the impact to agents of any changes made to the WebSphere MQ configuration. In addition, it enables SOA governance policies to be applied to managed file transfer agents.

The graphical tooling Eclipse plug-ins supplied for the WebSphere MQ Explorer can be installed into the separately downloadable WebSphere MQ Explorer package that is available as SupportPac MS0T.

For details about SupportPacs for WebSphere MQ File Transfer Edition, visit

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

Accessibility by people with disabilities

You can request a U.S. Section 508 Voluntary Product Accessibility Template (VPAT) containing details on accessibility compliance at

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

Section 508 of the U.S. Rehabilitation Act

IBM WebSphere MQ Managed File Transfer Edition V7.0.2 products are capable, as of December 4, 2009, when used in accordance with IBM's associated 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. You can request a U.S. Section 508 Voluntary Product Accessibility Template (VPAT) from

http://www-03.ibm.com/able/product_accessibility/index.html

Value Unit-based pricing

Value Unit pricing for eligible IBM System z IBM International Program License Agreement (IPLA) programs enables a lower cost of incremental growth and enterprise aggregation. Each System z IPLA product with Value Unit pricing has a single price per Value Unit and a conversion matrix, called Value Unit Exhibit, for converting from some designated measurement to Value Units. Most commonly, Millions of Service Units (MSUs) is the measurement designated by IBM to be converted to Value Units. Some other measurements are engines or messages. Since MSUs are the most common measurement, that measurement will be used for the remainder of this description.

Value Unit pricing offers price benefits for you. For each System z IPLA program with Value Unit pricing, the quantity of that program needed to satisfy applicable IBM terms and conditions is referred to as the **required license capacity**. Each of the various Value Unit Exhibits stipulate that the larger your required license capacity, the fewer Value Units per MSU you will need. Value Unit Exhibits are uniquely identified by a three digit code and referred to using the nomenclature VUExxx, where xxx is the three digit code.

Subsequent acquisitions of Value Unit priced programs offer additional price benefits. The quantity of each System z IPLA program that you have acquired is referred to as **entitled license capacity**. If you wish to grow your entitled license capacity for a System z IPLA program, the calculation to determine additional needed Value Units is based upon the number of Value Units already acquired.

For each System z IPLA program with Value Unit pricing, you should:

- Determine the required license capacity, in MSUs
- Aggregate the MSUs across the enterprise
- Convert the total MSUs to Value Units, using the applicable Value Unit Exhibit
- Multiply the price per Value Unit by the total number of Value Units to determine the total cost

To simplify conversion from the designated measurement to Value Units or vice-versa, use the Value Unit Converter Tool. For additional information or to obtain a copy of the Value Unit Converter Tool, visit the Value Unit Converter Tool Web site

<http://ibm.com/zseries/swprice/vuctool>

Note that Value Units of a given product cannot be exchanged, interchanged, or aggregated with Value Units of another product.

To determine the required license capacity for the System z IPLA program you selected, refer to the [Terms and conditions](#) section.

Product positioning

The WebSphere MQ family provides a universal messaging backbone for SOA. It is complemented by skills, services, and offerings from more than 1500 IBM Business Partners and more than 9000 certified developers worldwide.

- WebSphere MQ File Transfer Edition adds file-specific features to the proven WebSphere MQ transport. It provides a managed file transfer solution that enables the movement of files between IT systems with reliability and without the need for programming.
- WebSphere MQ, the core of application integration, is the reliable, proven messaging backbone for SOA connectivity, as the universal, multipurpose data transport. It connects virtually any commercial IT system, with support for more than 80 platform configurations. WebSphere MQ supports industry-standard Java™ Message Service (JMS) and offers a choice of APIs. WebSphere MQ interoperates with the JMS messaging services embedded in WebSphere Application Server,

extending its reach to non-JEE environments. WebSphere MQ delivers a flexible connectivity solution that can grow incrementally with changing business needs.

- WebSphere MQ for z/OS exploits the platform-specific capabilities of the IBM System z platform to deliver a messaging powerhouse.
- WebSphere MQ for HP OpenVMS, WebSphere MQ for HP NonStop Server, and WebSphere MQ for z/VSE™ all extend the reach of WebSphere MQ to these specific computing platforms.
- WebSphere MQ Extended Security Edition expands the industry-standard security provided by WebSphere MQ with end-to-end data protection for your applications. It enables enterprise-wide, remote management of security policies on your MQ network and can be deployed to existing production environments without changes to existing WebSphere MQ applications.
- WebSphere MQ Low Latency Messaging 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 market firms and other industries where speed of data delivery is paramount.

WebSphere MQ File Transfer Edition enables a transport layer for moving files that an ESB can build on with mediation, transformation, and routing services for files.

- 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 modelling. WebSphere Message Broker V6.1 offers additional file processing capabilities to enable transformation, mediation, and enrichment specifically designed for file data.

It provides native support for large file processing to simplify processing of large, repeating, complex file records without using excessive storage. Files can be delivered to WebSphere Message Broker V6.1 using FTP or with reliability by using WebSphere MQ File Transfer Edition.

- WebSphere Message Broker Starter Edition is an entry-level starting point for deploying an ESB with the ability to grow as your business needs increase.
- WebSphere Message Broker for Remote Adapter Deployment enables deployment of adapters with a compact and efficient runtime at an affordable price.
- 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 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 delivers purpose-built B2B hardware that provides AS2 and AS3 messaging and trading-partner profile management in a high-performance, demilitarized zone (DMZ)-ready appliance.
- WebSphere Partner Gateway enables trading partner B2B integration. It provides centralized and consolidated B2B trading partner and transaction management to enable and manage process and data integration with trading partners. It supports standards-based transport protocols such as EDIINT AS1, AS2 or AS3, RosettaNet RNIF 1.1 and 2.0, cXML, CIDX Chem eStandards 4.0, ebXML Messaging Service (ebMS) 2.0 to support the connectivity needs of various trading partners, and FIPS 140-2 enablement to be compliant with the FIPS standard.

In addition, the Tivoli® portfolio offers systems management for large-scale WebSphere MQ solutions. 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.

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.

SupportPac product extensions, which enable additional function, are available as a download from the Internet. Visit

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

Program number

Program number	VRM	Program name
5724-R10	7.0.2	webSphere MQ File Transfer Edition
5655-U80	7.0.2	webSphere MQ File Transfer Edition for z/OS

Product identification number

Program PID number	Subscription and Support PID number	Program name
5724-R10	--	WebSphere MQ File Transfer Edition v7.0.2
5655-U80	5655-U81	webSphere MQ File Transfer Edition for z/OS v7.0.2

Additional information

Consulting and services

Professional Services are available to help you get into production quickly and, if desirable, to assist with planning and growing into full-blown business integration solutions. These services can be provided through our IBM Business Partner community or through IBM Global Services or IBM Software Services for WebSphere consulting teams. More information about these services is available at

<http://www.ibm.com/software/websphere/services>

IBM Software Services for WebSphere (SSW)

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

SSW (Lab Services) is adept at building effective teams consisting of your staff and IBM Global Business Services personnel, or with a global systems integrator of your choice to support the successful deployment of WebSphere Managed File Transfer Edition. Lab Services brings product, technology, and best practices expertise that can make any implementation team more effective. As specialists in WebSphere products, IBM has the collective experience of hundreds of live customer implementations and hundreds of consultants globally to help ensure success.

Lab Services professionals complement the project delivery team by providing deep insight into product technology and architecture as well as linkages back to

the software development organization. Its services offerings are tailored to your individual needs, with services that range from a full outsourced deployment to focused specialist services packages that enable a project team or client to address specific challenges.

Lab Services can also assist with upgrading from earlier versions of WebSphere products. Any migration of applications involves proper planning, estimation, and timed execution. Lab Services can assist by precisely assessing and evaluating your existing infrastructure and support system. Lab Services has extensive, proven experience in successful product migrations.

Lab Services consultants:

- Can help make WebSphere products successful
- Minimize your migration risks. We have harnessed years of field experiences into a migration services program to help successfully migrate applications
- Offer extensive technical skills on WebSphere integration products
- Bring tried-and-true best practices expertise to every engagement.

Packaged and custom service offerings are available, including specific predefined services offerings to get you off to a running start with WebSphere process integration products.

Migration Assessment Services Offering

Do you need to migrate from Sterling Commerce Connect: Direct, Connect: Enterprise, Metastorm Process Manager for Data (PM4Data), or other vendor offerings to WebSphere MQ File Transfer Edition? Engage the experts. Skilled Lab Services consultants can assist in successfully planning Connect: Direct, Connect: Enterprise, or PM4Data to WebSphere MQ File Transfer Edition migration with the Migration Assessment Services Offering. Lab Services consultants will host a workshop which will assess a current WebSphere MQ File Transfer Edition environment and provide guidance on the best approach for migrating. For more details, contact your Lab Services sales representative.

Visit the following Web sites to learn more about Lab Services capabilities, and how to contact your Lab Services sales specialist for specific information about services offerings for WebSphere products.

To find your Lab Services sales specialist, visit

<http://www.ibm.com/WebSphere/developer/services/contacts.html>

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

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

IBM Technology Assessment and Consulting Services

IBM Technology Assessment and Consulting Services for WebSphere MQ healthcheck gives you an assessment of your WebSphere MQ environment and recommendations for improvement and to address identified problems or issues. The IBM offering includes:

A requirements workshop to:

- Gather and review your WebSphere MQ business requirements
- Agree on the WebSphere MQ systems and applications to be assessed
- Identify any specific WebSphere MQ problem areas to be assessed
- Document the findings in the Healthcheck Requirements document

A healthcheck assessment to assess your current WebSphere MQ environment, including aspects of WebSphere MQ:

- Product installation and configuration
- Systems
- Networking
- Performance
- Resilience
- Security
- Systems management
- Applications
- Backup and recovery
- Operational procedures
- Recommendations to address identified problems or issues
- Findings and recommendations in the Healthcheck Report

IBM Implementation Services

IBM Implementation Services for WebSphere MQ offers planning and installation services for WebSphere MQ Solutions to ensure that clients' WebSphere MQ commercial messaging environment is quickly up and running. An IBM specialist spends a week or longer (depending on your requirements) working with your technical and programming staff to increase productivity and accelerate implementation of WebSphere MQ licensed software in your business environment.

IBM Planning Services for WebSphere MQ Solutions

IBM Planning Services for WebSphere MQ Solutions is a customizable service designed to help implement a WebSphere MQ Solution within your organization. With this service, you can customize the plan. IBM can create the plan by collecting the necessary business requirements and infrastructure information, or can work with staff to create the WebSphere MQ plan. In addition, IBM Planning Services for WebSphere MQ Solutions assists in designing the system network architecture, developing deployment and application migration plans, and planning for recovery of WebSphere MQ objects and data.

IBM Design Services for WebSphere MQ Applications

IBM Design Services for WebSphere MQ Applications helps produce high- and low-level designs for WebSphere MQ applications, including assistance in modifying or writing applications, to take full advantage of the WebSphere MQ environment. This offering can be customized and may include assistance in evaluating test plans and making sure applications perform effectively.

IBM High Availability Services

IBM High Availability Services for WebSphere MQ is designed to assist clients with an assessment of, and recommendation for, your WebSphere MQ High Availability environment, including WebSphere MQ and WebSphere Message Broker products.

The offering includes:

- An understanding of the client's WebSphere MQ business and high-availability requirements
- An assessment of the client's current WebSphere MQ environment
- Recommendations on implementing a WebSphere MQ high availability resilient environment to help ensure that the client's WebSphere MQ high availability requirements are met and messages are delivered and handled promptly

For additional information on these offerings and service capabilities, contact an IBM Global Services representative. For further information, visit

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

Offering Information

Product information is available via the Offering Information Web site

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

Business Partner information

If you are a Direct Reseller - System Reseller acquiring products from IBM, you may link directly to Business Partner information for this announcement. A PartnerWorld ID and password are required (use IBM ID).

<https://www.ibm.com/partnerworld/mem/sla.jsp?num=209-300>

Publications

WebSphere MQ File Transfer Edition for z/OS

A *Program Directory* (GI13-0530) and *License Information* (GC34-6980) booklet are shipped with this program.

WebSphere MQ File Transfer Edition

A Quick Start Guide is shipped with this program. No other printed publications are shipped.

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 U.S.) 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.

Technical information

Specified operating environment

Hardware requirements

WebSphere MQ File Transfer Edition for z/OS

Any System z processor, capable of running the required level of operating system, that has enough storage to meet the combined requirements of the programming prerequisites, WebSphere MQ for z/OS, the access methods, and the application programs.

WebSphere MQ File Transfer Edition

Any hardware that is explicitly compatible and fully capable of running the specified operating system, all the corresponding supporting software, and any associated applications unmodified. Responsibility to provide a statement of full compatibility between machines lies with the original equipment provider (if not IBM).

Software requirements

WebSphere MQ File Transfer Edition for z/OS

- z/OS V1.6, V1.7, V1.8, V1.9, or V1.10
- WebSphere MQ for z/OS V7.0 with at least the following fix: PK74350
- WebSphere MQ for z/OS V6.0 with at least the following fix: PK67851 (6.0.2.5 MQ Java)

To run the WebSphere MQ Explorer plug-in:

- Linux for System x® (32-bit): Red Hat Enterprise Linux (RHEL) V5.0
- Linux for System x (32-bit): SUSE Linux Enterprise Server (SLES) V10 with Service Pack 1, or later
- Linux for System x (32-bit): SUSE Linux Enterprise Server (SLES) V11
- Linux for System x (64-bit): SUSE Linux Enterprise Server (SLES) V11
- Windows Server 2003 (32-bit) with Service Pack 2, or later
- Windows Server 2008 (32-bit)
- Windows XP Professional (32-bit) with Service Pack 2, or later
- Windows Vista (32-bit) Business Edition
- Windows Vista (64-bit) Business Edition

WebSphere MQ File Transfer Edition

Server platforms

- AIX® V5.3 with TL04 and appropriate firmware
- AIX V6.1
- i5/OS® V5R4
- i5/OS V6R1
- HP-UX 11i V2 (11.23) on Itanium®
- HP-UX 11i V3 (11.31) on Itanium
- Red Hat Enterprise Linux (RHEL) V5.0 (32-bit)
- Linux for System x (32-bit): SUSE Linux Enterprise Server (SLES) V10 with Service Pack 1, or later
- Linux for System x (32-bit): SUSE Linux Enterprise Server (SLES) V11
- Linux for System x (64-bit): SUSE Linux Enterprise Server (SLES) V11
- Linux for System z (64-bit): Red Hat Enterprise Linux (RHEL) V5.0
- Linux for System z (64-bit): SUSE Linux Enterprise Server (SLES) V10 with Service Pack 1, or later
- Linux for System z (64-bit): SUSE Linux Enterprise Server (SLES) V11 with Service Pack 1, or later
- Sun Solaris V10 on SPARC
- Windows Server 2003 (32-bit) (Service Pack 2, or later)
- Windows Server 2008 (32-bit)

Databases supported for audit log archiving capability

- AIX V6.1: IBM DB2® for Linux, UNIX®, and Windows V9.5
- Windows 2003 (32-bit): DB2 9.1, DB2 9.5, or Oracle 10.2
- Windows XP (32-bit) with DB2 9.1, DB2 9.5, or Oracle 10.2

Client platforms (in addition to the server platforms)

- AIX V5.2 with Maintenance Level 3

- Linux for System x (32 bit): Red Hat Enterprise Linux (RHEL) V4.0 Update 8, or later
- Linux for System x (32 bit): SUSE Linux Enterprise Server (SLES) V9 with Service Pack 4, or later
- Sun Solaris V8 (with SunSolve-recommended Patch Cluster level) on SPARC
- Sun Solaris V9 (with SunSolve-recommended Patch Cluster level) on SPARC
- Windows XP Professional (32-bit) (Service Pack 2, or later)
- Windows Vista (32-bit) Business Edition
- Windows Vista (64-bit) Business Edition
- Windows 2000 Server (32-bit)
- Windows 2000 Professional (32-bit)

To run the WebSphere MQ Explorer plug-in

- Linux for System x (32-bit): Red Hat Enterprise Linux (RHEL) V5.0
- Linux for System x (32-bit): SUSE Linux Enterprise Server (SLES) V10 with Service Pack 1, or later
- Microsoft Windows Server 2003 (32-bit) with Service Pack 2, or later
- Microsoft Windows Server 2008 (32-bit)
- Microsoft Windows XP Professional (32-bit) with Service Pack 2, or later
- Microsoft Windows Vista (32-bit) Business Edition

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 File Transfer Edition V7.0.2 products interoperate with servers and clients from any previous level of WebSphere MQ File Transfer Edition.

Planning information

Direct customer support

Direct customer support is provided for WebSphere MQ File Transfer Edition by IBM Operational Support Services - SoftwareXcel. This fee service enhances your productivity by providing voice and electronic access into the IBM support organization. IBM Operational Support Services - SoftwareXcel helps answer questions pertaining to usage and suspected software defects for eligible products.

Installation and technical support is provided by Global Services. For more information call 800-IBM-4YOU (426-4968).

For technical support or assistance, contact your IBM representative or visit

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

Packaging

WebSphere MQ File Transfer Edition for z/OS V7.0.2

The package contains:

- WebSphere MQ File Transfer Edition for z/OS 3480 tape cartridge (uncompressed)
- Program Directory (GI13-0530)
- License Information booklet (GC34-6980)
- Documentation and Tools DVD (LCD7-1801)

- IPLA booklet (Z125-3301)

WebSphere MQ File Transfer Edition V7.0.2

The package contains:

- WebSphere MQ File Transfer Edition platform-specific server CDs and client CDs
- WebSphere MQ V7.0 CDs
- WebSphere MQ File Transfer Edition Documentation and Tools DVD
- Quick Start CD
- Printed Quick Start Guide

Security, auditability, and control

WebSphere MQ File Transfer Edition products use 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.

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.

These products may only be sold directly by IBM or by authorized IBM Business Partners for Software ValueNet®.

For more information about IBM Software ValueNet, visit

http://www-01.ibm.com/software/lotus/passportadvantage/IBM_SW_ValueNet.html

To locate IBM Business Partners for Software ValueNet in your geography for a specific Software ValueNet portfolio, contact your IBM representative.

Product group: Application and Integration Middleware
Product Identifier Description (PID)
WebSphere MQ File Transfer Edition for z/OS (5655-U80)
WebSphere MQ File Transfer Edition (5724-R10)

Product category: Application Connectivity

Charge metric

Program name	Part number or PID number	Charge metric
WebSphere MQ File Transfer Edition for z/OS V7.0.2	5655-U80	Value Unit
WebSphere MQ File Transfer Edition V7.0.2	5724-R10	Processor Value Unit Client Device

Processor Value Unit (PVU)

PVU is a unit of measure by which this distributed software product can be licensed. PVU entitlements are based on processor technology (defined within the PVU table* by processor vendor, brand, type and model number). IBM continues to define a processor, for purposes of PVU-based licensing, to be each processor core on a chip. Each software product has a unique price per PVU. To determine the total cost of deploying an individual software product in a specific hardware environment, you must take the following steps:

1. For each processor core in the hardware environment on which the software product is to be licensed, determine the PVU requirement based on its processor technology per the PVU table¹
2. The PVU requirements for all processor cores in the hardware environment.
3. Multiply the software product's price per PVU by the total number of PVUs required as determined in step 2 above.

PVU entitlements are specific to a software product and may not be exchanged, interchanged, or aggregated with PVU entitlements of another software product.

Unless you have deployed eligible sub-capacity products according to the sub-capacity¹ terms, you must obtain PVU Proof of Entitlements (PoEs) for the maximum number of activated² physical processor cores in the hardware environment made available to, or managed by, the software product. This is also referred to as full capacity licensing.

- 1** For information regarding PVU and sub-capacity licensing, including the latest PVU table, visit http://www.ibm.com/software/lotus/passportadvantage/pvu_licensing_for_customers.html
- 2** Activated processor cores are physical processor cores that are available for use in a server. They include processor cores:
 - That are activated (available for use) when the server is shipped by the manufacturer
 - That are activated subsequently through activation codes purchased from the server manufacturer by the customer
 - Whose capacity can be limited by the customer through virtualization technologies, operating system commands and BIOS settings.

Client Device

Client Device is the unit of measure by which this program is licensed. A Client Device is a computing device that requests the execution of a set of commands, procedures, or applications from another computer system that is typically referred to as a server. Multiple Client Devices may share access to a common server. A Client Device generally has some processing capability or is programmable to allow a user to do work. A Proof of Entitlement (PoE) must be obtained for each Client Device accessing the program in any manner on each and every single computer or server where the program is installed.

Examples include, but are not limited to appliances, automated teller machines, cash registers, desktop computers, kiosks, notebook computers, personal digital assistant, point-of-sale terminals, and technical workstations.

WebSphere MQ File Transfer Edition V7.0.2 (5724-R10) in this announcement has Value Unit-based pricing.

The z/OS program in this announcement has Value Unit-based pricing.

Program Number	Program Name	Value Unit Exhibit
5655-U80	websphere MQ File Transfer Edition for z/OS V7.0.2	VUE007

Value Unit exhibit VUE007

	MSUs minimum	MSUs maximum	Value Units/MSU
Base	1	3	1
Tier A	4	45	0.45
Tier B	46	175	0.36
Tier C	176	315	0.27
Tier D	316	+	0.2

Value Units for mainframes without MSU ratings:

Hardware	Value Units/machine
MP3000 H30	6
MP3000 H50	8
MP3000 H70	12
ESL models	2

Ordering example

The total number of Value Units is calculated according to the following example.

If your required license capacity is 1,500 MSUs for your selected System z IPLA product, the applicable Value Units would be:

Translation from MSUs to value units

	MSUs	*	Value Units/MSU	=	Value Units
Base	3	*	1.00	=	3.00
Tier A	42	*	.45	=	18.90
Tier B	130	*	.36	=	46.80
Tier C	140	*	.27	=	37.80
Tier D	1,185	*	.20	=	237.00
Total	1,500				343.50

When calculating the total number of Value Units, the sum is to be rounded up to the next integer.

WebSphere MQ File Transfer Edition for z/OS

Ordering z/OS through the Internet

ShopzSeries provides an easy way to plan and order your z/OS ServerPac or CBPDO. It will analyze your current installation, determine the correct product migration, and present your new configuration based on z/OS. Additional products can also be added to your order (including determination of whether all product requisites are satisfied). ShopzSeries is available in the U.S. and several countries in Europe. In countries where ShopzSeries is not available yet, contact your IBM representative (or IBM Business Partner) to handle your order via the traditional IBM ordering process.

For more details and availability, visit the ShopzSeries Web site at

<http://www14.software.ibm.com/webapp/ShopzSeries/ShopzSeries.jsp>

Passport Advantage trade-up

The following is a list of precursor products for which you must have already acquired a license, in order to be eligible to acquire equivalent licenses using the trade-up part numbers.

Precursor product	Trade-up product	Trade-up part number
WebSphere MQ PVU License and SW S&S 12 Months	WebSphere MQ File Transfer Edition PVU	D04XALL
Qualified Competitor Tradeup License and SW S&S 12 Months	WebSphere MQ File Transfer Edition PVU	D05DHLL
Qualified Competitor Client Device License and Software S&S 12 Months	WebSphere MQ File Transfer Edition Client Device	D05DILL
WebSphere MQ for Linux on System z Processor Value Unit (PVU)	WebSphere MQ File Transfer Edition for Linux on System z PVU Trade Up from WebSphere MQ for Linux on System z PVU License and Software S&S 12 Months	D04XILL
Qualified Competitor Trade-up License and Software S&S 12 Months	WebSphere MQ File Transfer Edition Linux on System z PVU	D090PLL
Qualified Competitor Trade-up License and Software S&S 12 Months	WebSphere MQ File Transfer Edition Linux on System z Client Device	D090QLL

Consult your IBM representative if you have any questions.

Passport Advantage customer: Media pack entitlement details

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

Entitled maintenance offerings description	Part number
WebSphere MQ File Transfer Edition V7.0.2	BA0X4ML
WebSphere MQ File Transfer Edition Processor Value Unit License + Software S&S 12 Months	D0453LL
WebSphere MQ File Transfer Edition Processor Value Unit Annual Software S&S Renewal	E04VPLL
WebSphere MQ File Transfer Edition Processor Value Unit Software S&S Reinstatement 12 Months	D0454LL
WebSphere MQ File Transfer Edition Processor per Day OoCoD Temporary Use Charge	D044ELL

WebSphere MQ File Transfer Edition Client Device License and Software S&S 12 Months	D045FLL
WebSphere MQ File Transfer Edition Client Device Annual Software S&S Renewal	E04VZLL
WebSphere MQ File Transfer Edition Client Device Software S&S Reinstatement 12 Months	D045GLL

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 Integrated Facility for Linux (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 File Transfer Edition for Linux on System z Processor Value Unit (PVU) License + Software S&S 12 Months	D0451LL
WebSphere MQ File Transfer Edition for Linux on System z Processor Value Unit (PVU) Software S&S Reinstatement 12 Months	D0452LL
WebSphere MQ File Transfer Edition for Linux on System z Processor Value Unit (PVU) Annual Software S&S Renewal	E04VLLL
WebSphere MQ File Transfer Edition for Linux on System z Client Device License + Software S&S 12 Months	D045HLL
WebSphere MQ File Transfer Edition for Linux on System z Client Device Software S&S Reinstatement 12 Months	D045ILL
WebSphere MQ File Transfer Edition for Linux on System z Client Device Annual Software S&S Renewal	E04W0LL

Basic license

On/Off Capacity on Demand (CoD)

WebSphere MQ File Transfer Edition for z/OS

The product is eligible for On/Off CoD with a temporary use charge calculated based on MSUs per-day usage.

Program name WebSphere MQ File Transfer Edition for z/OS v7.0.2
Program PID 5655-U80

Entitlement identifier	Description	License option/Pricing metric
S0151SW	WebSphere MQ File Transfer Edition for z/OS v7.0.2	Basic OTC, Per MSU-day TUC

WebSphere MQ File Transfer Edition for z/OS

Translation from MSUs to Value Units

	MSUs	Value Units/MSU
Base	1-3	1.00
Tier A	4-45	0.45
Tier B	46-175	0.36
Tier C	176-315	0.27
Tier D	316+	0.20

To order, specify the program product number and the appropriate license or charge option. Also, specify the desired distribution medium. To suppress shipment of media, select the license-only option in CFSW.

Program name: WebSphere MQ File Transfer Edition
for z/OS V7.0.2
Program PID: 5655-U80

Entitlement identifier	Description	License option/Pricing metric
S0151SW	WebSphere MQ File Transfer Edition for z/OS V7.0.2	Basic OTC, per value Unit
Orderable supply ID	Language	Distribution medium
S014VNJ	English	3480 uncompressed tape cartridge

Note: Additional media type selections (3480 compressed, 3490E, 3590, and 3592) are offered during Custom Build Offering ordering.

Subscription and Support PID: 5655-U81

Entitlement identifier	Description	License option/Pricing metric
S0151SV	WebSphere MQ File Transfer Edition for z/OS S&S	Basic ASC, per value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration
Orderable supply ID	Language	Distribution medium
S0151SS	English	Hardcopy publication

Subscription and Support

To receive voice technical support via telephone and future releases and versions at no additional charge, Subscription and Support must be ordered. The capacity of Subscription and Support (Value Units) must be the same as the capacity ordered for the product licenses.

To order, specify the Subscription and Support program number (PID) referenced above and the appropriate license or charge option.

IBM is also providing Subscription and Support for these products via a separately purchased offering under the terms of the IBM International Agreement for Acquisition of Software Maintenance (IAASM). This offering:

- Includes and extends the support services provided in the base support to include technical support via telephone.
- Entitles you to future releases and versions, at no additional charge. Note that you are not entitled to new products.

When Subscription and Support is ordered, the charges will automatically renew annually unless cancelled by you.

The combined effect of the IPLA license and the Agreement for Acquisition of Software Maintenance gives you rights and support services comparable to those under the traditional ICA S/390® and System z license or its equivalent. To ensure that you continue to enjoy the level of support you are used to in the ICA business model, you must order **both** the license for the program **and** the support for the selected programs at the same Value Unit quantities.

Single version charging

To elect single version charging, you must notify and identify to IBM the prior program and replacement program, and the machine the programs are operating on.

Customized Offerings

Product deliverables are shipped only via Customized Offerings (for example, CBPDO, ServerPac, SystemPac®).

CBPDO and ServerPac are offered for Internet delivery, where ShopzSeries product ordering is available. Internet delivery of ServerPac may help improve automation and software delivery time. For more details on Internet delivery, refer to the ShopzSeries help information at

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

Media type for this software product is chosen during the Customized Offerings ordering process. Based on your customer environment, it is recommended that the highest possible density tape media is selected. Currently offered media types are:

- CBPDOs - 3480, 3480 Compressed, 3490E, 3590, and 3592³
- ServerPacs - 3480, 3480 Compressed, 3490E, 3590, and 3592³
- SystemPacs - 3480, 3480 Compressed, 3490E, 3590, and 3592³

³ 3592 is highest density media. Selecting 3592 will ship the fewest number of media.

Once a product becomes generally available, it will be included in the next ServerPac and SystemPac monthly update.

Production of software product orders will begin on the planned general availability date.

- CBPDO shipments will begin one week after general availability.
- ServerPac shipments will begin two weeks after inclusion in ServerPac.
- SystemPac shipments will begin four weeks after inclusion in SystemPac due to additional customization, and data input verification.

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.

Terms and conditions for distributed products

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.

This software license includes Software Subscription and Support (also referred to as Software Maintenance).

Agreement for Acquisition of Software Maintenance

The IBM Agreement for Acquisition of Software Maintenance (Z125-6011) agreement applies for subscription and support (also referred to as Software Maintenance) and does not require customer signatures.

These programs are licensed under the IBM Program License Agreement (IPLA) and the associated Agreement for Acquisition of Software Maintenance, which provide for support with ongoing access to releases and versions of the program. IBM includes one year of Software Subscription and Support (also referred to as Software Maintenance) with the initial license acquisition of each program acquired. The initial period of Software Subscription and Support (also referred to as Software Maintenance) can be extended by the purchase of a renewal option, if available. These programs have a one-time license charge for use of the program and an annual renewable charge for the enhanced support that includes telephone assistance (voice support for defects during normal business hours), as well as access to updates, releases, and versions of the program as long as support is in effect.

License Information form number

L-SBRY-7U6ET5

The program's License Information will be available for review on the IBM Software License Agreement Web site

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

Limited warranty applies

Yes

Limited warranty

IBM warrants that when the program is used in the specified operating environment, it will conform to its specifications. The warranty applies only to the unmodified portion of the program. IBM does not warrant uninterrupted or error-free operation

of the program or that IBM will correct all program defects. You are responsible for the results obtained from the use of the program.

IBM provides you with access to IBM databases containing information on known program defects, defect corrections, restrictions, and bypasses at no additional charge. For further information, consult the *IBM Software Support Handbook* found at

<http://www.ibm.com/support/handbook>

IBM will maintain this information for at least one year after the original licensee acquires the program (warranty period).

Program technical support

Technical support of a program product will be available for a minimum of five years from the general availability date, as long as your Software Subscription and Support (also referred to as Software Maintenance) is in effect. This technical support allows you to obtain assistance (via telephone or electronic means) from IBM for product-specific, task-oriented questions regarding the installation and operation of the program product. Software Subscription and Support (Software Maintenance) also provides you with access to updates, releases, and versions of the program. You will be notified, via announcement letter, of discontinuance of support with 12 months' notice. If you require additional technical support from IBM, including an extension of support beyond the discontinuance date, contact your IBM representative or IBM Business Partner. This extension may be available for a fee.

Money-back guarantee

If for any reason you are dissatisfied with the program and you are the original licensee, you may obtain a refund of the amount you paid for it, if within 30 days of your invoice date you return the program and its PoE to the party from whom you obtained it. If you downloaded the program, you may contact the party from whom you acquired it for instructions on how to obtain the refund.

For clarification, note that (1) for programs acquired under the IBM International Passport Advantage offering, this term applies only to your first acquisition of the program and (2) for programs acquired under any of IBM's On/Off Capacity on Demand (On/Off CoD) software offerings, this term does not apply since these offerings apply to programs already acquired and in use by you.

Authorization for use on home/Portable computer

You may not copy and use this program on another computer without paying additional license fees.

Volume orders (IVO)

No

Passport Advantage applies

Yes, and through the Passport Advantage Web site at

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

Usage restriction

Yes. Refer to the License Information document that is available on the IBM Software License Agreement Web site

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

Software Subscription and Support (Software Maintenance) applies

Yes. Software Subscription and Support (also referred to as Software Maintenance) is included with licenses purchased through Passport Advantage and Passport Advantage Express. Product upgrades and Technical Support are provided by the Software Subscription and Support (Software Maintenance) offering as described in the Agreements. Product upgrades provide the latest versions and releases to entitled software and Technical Support provides voice and electronic access to IBM support organizations, worldwide.

IBM includes one year of Software Subscription and Support (Software Maintenance) with each program license acquired. The initial period of Software Subscription and Support (Software Maintenance) can be extended by the purchase of a renewal option, if available.

While your Software Subscription and Support (Software Maintenance) is in effect, IBM provides you assistance for your routine, short duration installation and usage (how-to) questions, and code-related questions. IBM provides assistance via telephone and, if available, electronic access, only to your information systems (IS) technical support personnel during the normal business hours (published prime shift hours) of your IBM support center. (This assistance is not available to your end users.) IBM provides Severity 1 assistance 24 hours a day, 7 days a week. For additional details, consult your *IBM Software Support Handbook* at

<http://www.ibm.com/support/handbook>

Software Subscription and Support (Software Maintenance) does not include assistance for the design and development of applications, your use of programs in other than their specified operating environment, or failures caused by products for which IBM is not responsible under the applicable agreements.

For additional information about the International Passport Advantage Agreement and the IBM International Passport Advantage Express Agreement, visit the Passport Advantage Web site at

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

Yes. All distributed software licenses include Software Subscription and Support (also referred to as Software Maintenance) for a period of 12 months from the date of acquisition, providing a streamlined way to acquire IBM software and assure technical support coverage for all licenses. Extending coverage for a total of three years from date of acquisition may be elected.

Variable charges apply

No

Educational allowance available

Not applicable.

Terms and conditions for host products

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.

Agreement for Acquisition of Software Maintenance

The IBM Agreement for Acquisition of Software Maintenance (Z125-6011) agreement applies for subscription and support and does not require customer signatures.

These programs are licensed under the IBM Program License Agreement (IPLA) and the associated Agreement for Acquisition of Software Maintenance, which provide for support with ongoing access to releases and versions of the program. These programs have a one-time license charge for use of the program and an annual renewable charge for the enhanced support that includes telephone assistance (voice support for defects during normal business hours), as well as access to updates, releases, and versions of the program as long as support is in effect.

IBM System z Operational Support Services - SoftwareXcel is an option if you desire added services.

License Information form number

L-SBRY-7U6ET5

The program's License Information will be available for review on the IBM Software License Agreement Web site

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

Limited warranty applies

Yes

Limited warranty

IBM warrants that when the program is used in the specified operating environment, it will conform to its specifications. The warranty applies only to the unmodified portion of the program. IBM does not warrant uninterrupted or error-free operation of the program or that IBM will correct all program defects. You are responsible for the results obtained from the use of the program.

IBM provides you with access to IBM databases containing information on known program defects, defect corrections, restrictions, and bypasses at no additional charge. For further information, consult the *IBM Software Support Handbook* found at

<http://www.ibm.com/support/handbook>

IBM will maintain this information for at least one year after the original licensee acquires the program (warranty period).

Program technical support

Technical support of a program product will be available for a minimum of five years from the general availability date, as long as your Subscription and Support is in effect. Technical support of a program product will be available for a minimum of three years from the general availability date, as long as your Subscription and Support is in effect. This technical support allows you to obtain assistance (via telephone or electronic means) from IBM for product-specific, task-oriented questions regarding the installation and operation of the program product. Subscription and Support also provides you with access to updates, releases, and versions of the program. You will be notified, via announcement letter, of discontinuance of support with 12 months' notice. If you require additional technical support from IBM, including an extension of support beyond the discontinuance date, contact your IBM representative or IBM Business Partner. This extension may be available for a fee.

Money-back guarantee

If for any reason you are dissatisfied with the program and you are the original licensee, you may obtain a refund of the amount you paid for it, if within 30 days of your invoice date you return the program and its PoE to the party from whom you obtained it. If you downloaded the program, you may contact the party from whom you acquired it for instructions on how to obtain the refund.

For clarification, note that for programs acquired under any of IBM's On/Off Capacity on Demand (On/Off CoD) software offerings, this term does not apply since these offerings apply to programs already acquired and in use by you.

Authorization for use on home/Portable computer

You may not copy and use this program on another computer without paying additional license fees.

Volume orders (IVO)

No

Passport Advantage applies

No

Usage restriction

Yes. Refer to the License Information document that is available on the IBM Software License Agreement Web site

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

Software Subscription and Support (Software Maintenance) applies

No.

For operating system software, the revised IBM Operational Support Services - SoftwareXcel offering will provide support for those operating systems and associated products that are not available with the Software Subscription and Support (Software Maintenance) offering.

This will ensure total support coverage for your enterprise needs, including IBM and selected non-IBM products. For complete lists of products supported under both the current and revised offering, visit

<http://www.ibm.com/services/si/products>

IBM Operational Support Services - SoftwareXcel

Yes

System i Software Maintenance applies

No

Variable charges apply

No

Educational allowance available

Yes. A 15% education allowance applies to qualified education institution customers.

Sub-capacity terms and conditions

For each System z IPLA program with Value Unit pricing, the quantity of that program needed to satisfy applicable IBM terms and conditions is referred to as the required license capacity. Your required license capacity is based upon the following factors:

- The System z IPLA program you select
- The applicable Value Unit Exhibit

- The applicable terms
- Whether your current mainframes are full capacity or sub-capacity

For more information on the Value Unit Exhibit for the System z IPLA program you selected, refer to the [Ordering information](#) section.

Program number	Program name	Terms	Parent, if applicable
5655-U80	WebSphere MQ File Transfer Edition for z/OS V7.0.2	Execution-based	

Full-capacity mainframes

In cases where full capacity is applicable, the following terms apply.

Execution-based, z/OS-based, full-machine-based: The required capacity of a System z IPLA program with these terms equals the MSU-rated capacity of the machines where the System z IPLA program executes.

For more information on mainframe MSU-rated capacities, visit

<http://www-1.ibm.com/servers/eserver/zseries/library/swpriceinfo/>

Reference-based: The required license capacity of a System z IPLA program with these terms equals the license capacity of the applicable monthly license charge (MLC) program. This MLC program is called the parent program.

Sub-capacity mainframes

In cases where sub-capacity is applicable, the following terms apply.

Execution-based: The required capacity of a System z IPLA sub-capacity program with these terms equals the capacity of the LPARs where the System z IPLA program executes.

z/OS-based: The required license capacity of a System z IPLA program with these terms equals the license capacity of z/OS on the machines where the System z IPLA program executes.

Reference-based: The required license capacity of a System z IPLA program with these terms equals the license capacity of the applicable monthly license charge (MLC) program. This MLC program is called the parent program.

Full-machine-based: The required license capacity of a System z IPLA program with full-machine-based terms equals the MSU-rated capacity of the machines where the System z IPLA program executes.

For more information on mainframe MSU-rated capacities, refer to The IBM System z Machines Exhibit (Z125-3901), or visit the Mainframes section of the System z Exhibits Web site

<http://ibm.com/zseries/library/swpriceinfo/>

For more information on sub-capacity System z IPLA terms and conditions, refer to Software Announcement [204-184](#), dated August 10, 2004.

For additional information for products with reference-based terms, System z IPLA sub-capacity programs with reference-based terms adds value to the parent program across the environment, regardless of where in the environment the System z IPLA program executes.

An environment is defined as either a single or stand-alone machine or a qualified Parallel Sysplex®. You may have one or more different environments across the

enterprise. To determine the required license capacity for each System z IPLA program with referenced-based terms, each environment should be assessed separately.

When a System z IPLA sub-capacity program with reference-based terms is used in a qualified Parallel Sysplex environment, the required license capacity of the System z IPLA program must equal with the license capacity of the parent program across the Parallel Sysplex. Qualified Parallel Sysplex refers to one:

- That meets the criteria defined in Hardware Announcement [198-001](#), dated January 13, 1998
- Where MLC pricing is aggregated across the sysplex

Sub-capacity eligibility

To be eligible for sub-capacity charging on select System z IPLA programs, you must first implement and comply with all terms of either sub-capacity Workload License Charges (WLC) or sub-capacity Entry Workload License Charges (EWLC). To implement sub-capacity WLC or EWLC, a machine must be System z (or equivalent). On that machine:

- All instances of the OS/390® operating system must be migrated to the z/OS operating systems
- Any licenses for the OS/390 operating system must be discontinued
- All instances of the z/OS operating systems must be running in z/Architecture® (64-bit) mode

For that machine, you must create and submit a Sub-Capacity Report to IBM each month. Sub-Capacity Reports must be generated using the Sub-Capacity Reporting Tool (SCRT). For additional information or to obtain a copy of SCRT, visit the System z Software Pricing Web site

<http://ibm.com/zseries/swprice>

You must comply with all of the terms of the WLC or EWLC offering, whichever is applicable:

- The complete terms and conditions of sub-capacity WLC are defined in the IBM Customer Agreement - Attachment for System z Workload License Charges (Z125-6516).
- The complete terms and conditions for sub-capacity EWLC are defined in the IBM Customer Agreement - Attachment for IBM System z 890 and 800 License Charges (Z125-6587).

Additionally, you must sign and comply with the terms and conditions specified in the amendment to the IPLA contract - Amendment for IBM System z9® and System z Programs Sub-Capacity Pricing (Z125-6929). Once the amendment is signed, the terms in the amendment replace any and all previous System z IPLA sub-capacity terms and conditions.

Sub-capacity utilization determination

Sub-capacity utilization is determined based on the product's own execution as reported to IBM in accordance with the requirements for reporting sub-capacity utilization for products.

On/Off Capacity on Demand (CoD)

To be eligible for On/Off CoD pricing, you must be enabled for temporary capacity on the corresponding hardware, and the required contract, Attachment for Customer Initiated Upgrade and IBM eServer™ On/Off Capacity on Demand - Software (Z125-6611) must be signed prior to use.

IBM Electronic Services

IBM has transformed its delivery of hardware and software support services to help you achieve higher system availability. Electronic Services is a Web-enabled solution that offers an exclusive, no-additional-charge enhancement to the service and support available for IBM servers. These services are designed to provide the opportunity for greater system availability with faster problem resolution and preemptive monitoring. Electronic Services comprises two separate, but complementary, elements: Electronic Services news page and Electronic Services Agent.

The Electronic Services news page is a single Internet entry point that replaces the multiple entry points traditionally used to access IBM Internet services and support. The news page enables you to gain easier access to IBM resources for assistance in resolving technical problems.

The Electronic Service Agent™ is no-additional-charge software that resides on your server. It monitors events and transmits system inventory information to IBM on a periodic, client-defined timetable. The Electronic Service Agent automatically reports hardware problems to IBM. Early knowledge about potential problems enables IBM to deliver proactive service that may result in higher system availability and performance. In addition, information collected through the Service Agent is made available to IBM service support representatives when they help answer your questions or diagnose problems. Installation and use of IBM Electronic Service Agent for problem reporting enables IBM to provide better support and service for your IBM server.

To learn how Electronic Services can work for you, visit

<http://www.ibm.com/support/electronic>

Prices

Business Partner information

If you are an IBM Business Partner -- Distributor for Workstation Software acquiring products from IBM, you may link to Passport Advantage Online for resellers where you can obtain Business Partner pricing information. An IBM ID and password are required.

<https://www.ibm.com/software/howtobuy/passportadvantage/paoreseller>

Program name/Description	Part number
websphere MQ File Transfer Edition	BA0VKML

For current prices, visit

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

Passport Advantage

For Passport Advantage information and charges, contact your IBM representative, authorized IBM Business Partner, or authorized IBM Business Partner for Software ValueNet, if applicable. Additional information is also available at

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

Program name: WebSphere MQ File Transfer Edition for z/OS V7.0.2
Program PID: 5655-U80

Entitlement identifier	Description	License option/Pricing metric
S0151SW	WebSphere MQ File Transfer Edition for z/OS V7.0.2	Basic OTC, per Value Unit
S0151SW	WebSphere MQ File Transfer Edition for z/OS V7.0.2	Basic OTC, per MSU-day TUC

Subscription and Support PID: 5655-U81

Entitlement identifier	Description	License option/Pricing metric
S0151SV	WebSphere MQ File Transfer Edition for z/OS S&S	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration

Subscription and Support

To receive voice technical support via telephone and future releases and versions at no additional charge, Subscription and Support must be ordered. The capacity of Subscription and Support (Value Units) must be the same as the capacity ordered for the product licenses.

To order, specify the Subscription and Support program number (PID) referenced above and the appropriate license or charge option.

IBM is also providing Subscription and Support for these products via a separately purchased offering under the terms of the IBM International Agreement for Acquisition of Software Maintenance (IAASM). This offering:

- Includes and extends the support services provided in the base support to include technical support via telephone.
- Entitles you to future releases and versions, at no additional charge. Note that you are not entitled to new products.

When Subscription and Support is ordered, the charges will automatically renew annually unless cancelled by you.

The combined effect of the IPLA license and the Agreement for Acquisition of Software Maintenance gives you rights and support services comparable to those under the traditional ICA S/390 and System z license or its equivalent. To ensure that you continue to enjoy the level of support you are used to in the ICA business model, you must order **both** the license for the program **and** the support for the selected programs at the same Value Unit quantities.

For current prices, visit

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

Choose the option entitled Purchase/upgrade tools.

Variable charges: The applicable processor-based one-time charge will be based on the group of the designated machine on which the program is licensed for use. If the program is designated to a processor in a group for which no charge is listed, the charge of the next higher group listed applies. For movement to a machine in a

higher group, an upgrade charge equal to the difference in the then-current charges between the two groups will apply. For movement to a machine in a lower group, there will be no adjustment or refund of charges paid.

Passport Advantage

For Passport Advantage information and charges, contact your IBM representative or authorized IBM Business Partner for Software ValueNet. Additional information is also available at:

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