# IBM WebSphere MQ File Transfer Edition V7.0.4 enhanced with bridge to IBM Sterling Connect:Direct

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## At a glance

WebSphere® MQ File Transfer Edition V7.0.4 enhances the IBM® solution for managed file transfer that enables clients to leverage investments in WebSphere MQ messaging by using a single, proven backbone to transport both messages and files with reliability, auditability, and visibility across a broad range of platforms.

This update adds the ability for managed file transfer solutions to bridge from WebSphere MQ File Transfer Edition to existing IBM Sterling Connect:Direct environments. This new capability enables IBM's clients to leverage their combined investments in both WebSphere MQ and Connect:Direct infrastructure for mission-critical managed file transfer throughout their organization.

Enhancements include:

- New Bridge capability that enables managed file transfers into and out of existing Connect:Direct networks
- Enhanced audit trail that adds details of file transfers that traverse Connect:Direct networks
- Updated documentation describing how to transfer files to and from existing Connect:Direct environments

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 delivers a managed file transfer solution for moving files with auditability, visibility, and reliability across a broad range of platforms.

On distributed platforms, WebSphere MQ File Transfer Edition includes a copy of WebSphere MQ. This entitles full use of the WebSphere MQ messaging functionality for traditional messaging applications such as JMS as well as file transfers across the same infrastructure, reducing the cost of managing and maintaining separate infrastructures for message and file data.

Trade-up licenses are available for existing clients who want to upgrade from WebSphere MQ to WebSphere MQ File Transfer Edition. Clients who upgrade can continue to use the full messaging capabilities of the copy of WebSphere MQ that is supplied with WebSphere MQ File Transfer Edition. WebSphere MQ File Transfer

Edition provides a multipurpose connectivity solution for moving both 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 when running under z/OS on the IBM System z® platform.

Organizations can use WebSphere MQ File Transfer Edition to reduce and consolidate the infrastructure needed to move their files and messages onto a single, reliable transport capable of handling both kinds of 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. It also enables batch-driven file-based systems to interact in an event-driven, real-time fashion by converting files into messages and vice versa. WebSphere MQ File Transfer Edition enables clients to readily and easily bring files into enterprise service buses (ESB) to provide a modern, service-oriented architecture (SOA) approach to leveraging file data and integrating it with heterogeneous environments.

## Key prerequisites

For details, refer to the Hardware requirements and Software requirements sections.

## Planned availability date

- June 3, 2011, WebSphere MQ File Transfer Edition for Multiplatforms V7.0.4 (electronic software delivery)
- June 10, 2011, WebSphere MQ File Transfer Edition for Multiplatformsand WebSphere MQ File Transfer Edition for z/OS, V7.0.4 (media and documentation)

## Description

IBM WebSphere MQ File Transfer Edition V7.0 delivers a managed file transfer solution for moving files regardless of their size. It provides a managed file transfer service that leverages the WebSphere MQ backbone to enable movement of files in a managed way with auditability, visibility, and reliability.

WebSphere MQ File Transfer Edition delivers an SOA-ready, managed file transfer solution that can replace "home-grown" and FTP-based approaches to file movement.

WebSphere MQ File Transfer Edition delivers rich, managed file transfer services with these characteristics:

- Reliable: Leverages the proven WebSphere MQ messaging backbone as its reliable transport mechanism for moving files. Ensures file data arrives once and only once, eliminating the possibility of partially transmitted files arriving and corrupting downstream business processes.
- Ad hoc: Supports person-to-application transfers via standard web protocols (HTTP and HTTPS), enabling managed file transfers via browsers. Sample Web 2.0 applications help accelerate the deployment of customized ad hoc transfer applications.
- No single point of failure: Deployed and previously scheduled file transfers can continue to operate even when coordination queue managers are unavailable.
- Scalable: Innovative transfer protocol enables efficient delivery of files regardless of size with no limits on file size, enabling multiple files or directories to be moved with just a single command.
- Process-enabled: Supports complex, multi-step transfers that can be distributed across different platforms, can be scripted using industry standard XML and executed by ANT processes that capture standard in and standard out information to the audit log, can execute based on complex conditional logic,

including dependencies between transfers based on outcomes, and can execute custom applications.

- RESTful API: Enables application developers to use simple RESTful verbs to enable web services and applications for file transfers, with support for Java™ Platform Enterprise Edition 5-compliant application servers (not provided) such as WebSphere Application Server.
- Optimized for high performance: Transfers optimized ready for immediate use for typical network configurations and customizable to tune for specific environments such as very lossy networks.
- Customizable: Multiple exit points both pre- and post-transfer for custom processing that is managed as part of the transfer operation.
- Easy to use: Simple, intuitive graphical tooling enables remote configuration, monitoring, and deployment of transfers without the need for programming or understanding of underlying WebSphere MQ infrastructure.
- Auditable: Comprehensive log records file movements from end-to-end, helping organizations demonstrate that sensitive, mission-critical business data is transferred with integrity from source to target file system.
- Transport bridging: Supports bridging to FTP and SFTP (SSH) servers and now to IBM Sterling Connect:Direct.
- Integrated with ESBs: Supports direct integration with WebSphere Message Broker for streamed ESB mediation, transformation, and enrichment, with the business-to-business (B2B) Gateway provided by IBM WebSphere DataPower® B2B Appliance XB60, and now IBM Sterling Connect:Direct.

**Integration with IBM Sterling Connect:Direct**

This update adds the ability for managed file transfer solutions to bridge from WebSphere MQ File Transfer Edition to existing IBM Sterling Connect:Direct environments. This new capability enables IBM's clients to leverage their combined investments in both WebSphere MQ and Connect:Direct infrastructure for mission-critical managed file transfer throughout their organization.

Many thousands of organizations worldwide rely on WebSphere for their mission-critical data movement and Sterling Connect:Direct for file transfers with trading partners and within their organization. Clients are seeking ways to leverage and combine their existing investments in middleware infrastructure, developed solutions, and skills. Typically, WebSphere MQ environments are owned and managed by a centralized integration team responsible for messaging, connectivity, and ESB technologies within and throughout the organization. Connect:Direct is typically owned by B2B organizations used for trading partner interactions as well as batch-oriented file transfers internally. Increasingly, IT organizations are recognizing the value of combining their external and internal facing teams and solutions. Drivers include:

- Rationalization of overlapping infrastructure
- Demand for increased responsiveness by becoming more event-driven
- Need to leverage file data more broadly across enterprises by file-enabling their ESB
- Strategic alignment of infrastructure to reduce costs and time of end-to-end business processes
- Increased ability to apply common methodologies and tools across B2B and internal IT environment

**Connect:Direct Bridge**

This update enables clients to combine their WebSphere MQ and Connect:Direct investments, enabling managed file transfers across both data movement domains. Clients now have increased freedom to select the most appropriate, optimal, and cost-effective data movement solution for specific IT projects, whilst being able to combine their transport domains to provide end-to-end reliability and visibility.

This update provides a new bridge capability that enables managed file transfers into and out of existing Connect:Direct networks.

The Connect:Direct bridge is supported on selected distributed platforms only. Refer to the Connect:Direct bridge prerequisites listed in the Specified operating environment section.

The Connect:Direct bridge is included with WebSphere MQ File Transfer Edition. The Connect:Direct bridge enables files to be exchanged between FTE agents and Connect:Direct nodes, and supports the following scenarios:

- Use WebSphere MQ File Transfer Edition to initiate a transfer of one or more files, from an FTE agent to a Connect:Direct node.
- Use WebSphere MQ File Transfer Edition to initiate a transfer of one or more files, from a Connect:Direct node to an FTE agent.

This update expands the tooling supplied with FTE to enable the user to define Connect:Direct nodes as the source or target of a managed file transfer, and to specify the Connect:Direct bridge agent to use.

This update expands the comprehensive audit trail with details of file transfers that traverse Connect:Direct networks using the new Connect:Direct bridge capability. Information regarding the process and outcome of the Connect:Direct portion of transfers is automatically captured and added to the centralized transfer log of WebSphere MQ File Transfer Edition. The WebSphere MQ Explorer tooling with the File Transfer Edition plug-ins now also displays the outcome of the Connect:Direct portion of file transfers that travel through the Connect:Direct bridge. This enables end-to-end visibility of transfers controlled by WebSphere MQ File Transfer Edition that span the WebSphere MQ and Connect:Direct domains.

This update expands the InfoCenter with documentation describing how to use the new Connect:Direct bridge to transfer files to and from existing Connect:Direct environments.

**Accessibility by people with disabilities**

You can request a US 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**

WebSphere MQ File Transfer Edition V7.0.4 products are capable, as of June 3, 2011, 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 US Section 508 Voluntary Product Accessibility Template (VPAT) from

http://www.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 want 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 website

  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

IBM's acquisition of Sterling Commerce brings to market an expanded software product portfolio of multienterprise B2B and managed file transfer capabilities. This combined portfolio of products and capabilities positions IBM to deliver a comprehensive suite of managed file transfer offerings that address the broad range of file data movement needs required by organizations today.

IBM's Managed File Transfer portfolio enables the management and visibility of file movements across organizations' internal and externally facing operations, supporting a rich and dynamic business network across trading partners, departments, and locations.

IBM's Managed File Transfer portfolio is comprised of these strategic product offerings:

- IBM WebSphere MQ File Transfer Edition: Managed file transfer designed for clients that want to reuse and extend their investments in WebSphere MQ networks by transferring files across a multipurpose MQ backbone within their internal SOA environment. Provides a natural fit for departments with messaging skills that want to extend their ESB environment to include files. Also enables file-based batch environments to interact with online message-oriented applications and supports the development of RESTful applications to enable ad hoc web transfers leveraging WebSphere Application Server. It includes remote monitoring and visibility for all file transfer activity using plug-ins to MQ Explorer.
- IBM Sterling Connect:Direct: Managed file transfer designed for clients that want to reuse and extend their investments in Connect:Direct by transferring files across a point-to-point network for internal and external B2B file transfers. Provides a natural fit for departments with Connect:Direct skills. Enables organizations to readily exchange files with other enterprises or departments using Connect:Direct.
- IBM Sterling File Gateway: Provides a gateway for multienterprise (B2B) transfers to and from external trading partners over a wide choice of protocols to

help accelerate partner on-boarding and Simplify partner operations through self-service portal.

- IBM Sterling Control Center: Provides monitoring and visibility for all FTP. IBM Sterling Connect:Direct, IBM Sterling File Gateway, and IBM Sterling B2B Integrator, transfers/processes to deliver higher levels of service and compliance. The rules-driven SLA management provides proactive notification to minimize business disruptions.
- IBM Sterling Secure Proxy: Is an edge proxy that enables the use of the Internet to replace dedicated lines without storing data in the demilitarized zone (DMZ) for FTP, FTPS, HTTP, HTTPS, SSH/SFTP, PeSIT, and IBM Sterling Connect:Direct.

The WebSphere MQ family of products provide a universal backbone for transporting all forms of business data, including messages, events and alerts, service interactions, files, and sensor data. It is complemented by skills, services, and offerings from more than 1,500 IBM Business Partners and a community of over 9,000 certified developers worldwide.

- 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 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 for z/OS exploits the platform-specific capabilities of the 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 Advanced Message Security 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 Advanced Message Security can be used to add additional security to solutions involving WebSphere MQ, WebSphere MQ File Transfer Edition, and WebSphere Message Broker.
- 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 Telemetry extends the universal messaging backbone provided by WebSphere MQ to a wide range of remote sensors, actuators, and telemetry devices. It extends WebSphere MQ so that it can now interconnect intelligent enterprise applications, services, and decision makers with networks of instrumented devices.

WebSphere MQ File Transfer Edition enables a transport layer for moving files that can flow through an ESB where additional capabilities can be applied to file data for mediation, transformation, and content-based routing.

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

  WebSphere Message Broker 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 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 the client's business needs increase.
- – WebSphere Message Broker for Remote Adapter Deployment enables deployment of adapters with a compact and efficient run time 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, 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 IBM 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. Immediately available 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. Visit

http://www.ibm.com/webspheremq

## Program number

```
Program                 Program
number        VRM       name

 5724-R10     7.0.4    WebSphere MQ File Transfer Edition for
                          Multiplatform
 5655-U80     7.0.4    WebSphere MQ File Transfer Edition for z/OS
```

### Product identification number

```
                      Subscription and     Program
Program PID number    Support PID number   name

5724-R10              --                   WebSphere MQ File
                                           Transfer Edition
                                           for Multiplatform
```

```
                         V7.0.4

5655-U80            5655-U81            WebSphere MQ File
                                        Transfer Edition
                                        for z/OS V7.0.4
```

## 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/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 other vendor offerings to WebSphere MQ File Transfer Edition? Engage the experts. Skilled Lab Services consultants can assist in successfully planning migration with the Migration Assessment Services Offering. Lab Services consultants will host a workshop that 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 websites 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 website

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=211-093

## Publications

### WebSphere MQ File Transfer Edition for z/OS

A *License Information booklet* (GC34-6980) is shipped with this program. A *Program Directory* (GI13-0530) is shipped in softcopy format with this program.

### WebSphere MQ File Transfer Edition for Multiplatforms

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 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.

## 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 for Multiplatforms

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, V1.10, or V1.11
WebSphere MQ for z/OS, V7.0, with fix pack 7.0.1.0 with at least the following fixes: PM03853 and PM00654
WebSphere MQ for z/OS, V6.0, with at least the following fixes: PM17286 (6.0.2.10 MQ Java)

### WebSphere MQ File Transfer Edition for Multiplatforms

For agent and command queue managers:

- WebSphere MQ V6.0 fix pack 6.0.2.4, or later
  - For IBM i installations:
    -- WebSphere MQ V6.0 fix pack 6.0.2.7 (5724H72) plus WebSphere MQ Java Messaging and Web Services (5724L26, which accompanies 5724H72)

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- WebSphere MQ V7.0 fix pack 7.0.0.1, or later
  - For IBM i installations:
    -- WebSphere MQ V7.0 fix pack 7.0.1.0, or later

For coordination queue manager:

- WebSphere MQ V7.0 fix pack 7.0.0.1, or later
  - For IBM i installations:
    -- WebSphere MQ V7.0 fix pack 7.0.1.0, or later

Server platforms:

- AIX® V5.3, with TL04 and appropriate firmware
- AIX V6.1
- AIX V7.1
- HP-UX 11i V2 (11.23) (Itanium®)
- HP-UX 11i V3 (11.31) (Itanium)
- HP-UX 11.11 (PA-RISC)
- i5/OS® V5.4 with:
  - PASE (5722SS1 Option 33)
  - Qshell (5722SS1 Option 30)
  - PTF 5722SS1 SI35777
  - IBM Developer Kit for Java, J2SE 5.0
  - 32-bit option (5722JV1 Base + Option 8)
    -- IBM Toolbox for Java (5722JC1) and PTF 5722JC1 SI36017
    -- Java Group PTF SF99291
    -- Database Group PTF SF99504
- i5/OS V6.1 with:
  - PASE (5761SS1 Option 33)
  - Qshell (5761SS1 Option 30)
  - PTF 5761999 MF46740
  - IBM Developer Kit for Java, J2SE 5.0
  - 32-bit option (5761JV1 Base + Option 8)
    -- IBM Toolbox for Java (5761JC1) and PTF 5761JC1 SI36020
    -- Java Group PTF SF99562
    -- Database Group PTF SF99601
- i5/OS V7.1 with:
  - Extended Directory Support (5770SS1 Option 3)
  - PASE (5770SS1 Option 33)
  - Qshell (5770SS1 Option 30)
  - IBM Developer Kit for Java, J2SE 5.0
  - 32-bit option (5761JV1 Base + Option 8)
    -- IBM Toolbox for Java (5761JC1) and PTF 5761JC1 SI36020
    -- Java Group PTF SF99572
    -- Database Group PTF SF99701
- Linux® for System x® (32-bit): Red Hat Enterprise Linux (RHEL) V5.0, V5.1, V5.2, V5.3, or V5.4
- Linux for System x (32-bit): SUSE Linux Enterprise Server (SLES) V9 with Service Pack 4, or later
- Linux for System x (32-bit): SLES V10 with Service Pack 1, or later

- Linux for System x (32-bit): SLES V11
- Linux for System x (64-bit): RHEL V5.3 or V5.4
- Linux for System x (64-bit): SLES V9 with Service Pack 4, or later
- Linux for System x (64-bit): SLES V10 with Service Pack 1, or later
- Linux for System x (64-bit): SLES V11
- Linux for System p® (64-bit): RHEL V5.0, V5.1, V5.2, V5.3, or V5.4
- Linux for System p (64-bit): SLES V9 with Service Pack 3
- Linux for System p (64-bit): SLES V10 with Service Pack 2
- Linux for System x (64-bit): SLES V11
- Linux for System z (64-bit): RHEL V5.0, V5.1, V5.2, V5.3, or V5.4
- Linux for System z (64-bit): SLES V10 with Service Pack 1, or later
- Linux for System z (64-bit): SLES V11
- Oracle Solaris V10 on SPARC
- Oracle Solaris V10 on x86 (System x)
- Microsoft® Windows® XP Professional (32-bit) (Service Pack 2, or later)
- Microsoft Windows Server 2003, Service Pack 2, or later (32-bit) (Standard or Enterprise Edition)
- Microsoft Windows Server 2003 R2, Service Pack 1, or later (32-bit) (Standard or Enterprise Edition)
- Microsoft Windows Server 2008 (32-bit) (Standard or Enterprise Edition)
- Microsoft Windows Server 2003, Service Pack 2, or later (64-bit) (Standard or Enterprise Edition)
- Microsoft Windows Server 2003 R2, Service Pack 1, or later (64-bit) (Standard or Enterprise Edition)
- Microsoft Windows Server 2008 (64-bit) (Standard or Enterprise Edition)
- Microsoft Windows Server 2008 R2 (64-bit) (Standard or Enterprise Edition)

Client platforms (in addition to the server platforms)

- AIX 5.2 with Maintenance Level 3
- Linux for System x (32-bit): RHEL V4.0 Update 8, or later
- Linux for System x (64-bit): RHEL V4.0 Update 3, or later
- Oracle Solaris V8 (with SunSolve-recommended Patch Cluster level) on SPARC
- Oracle Solaris V9 (with SunSolve-recommended Patch Cluster level) on SPARC
- Microsoft Windows 2000 (32-bit) Server
- Microsoft Windows 2000 (32-bit) Professional
- Microsoft Windows Vista (32-bit) Business Edition
- Microsoft Windows Vista (64-bit) Business Edition
- Microsoft Windows 7 (64-bit) Professional or Ultimate Edition

The prerequisites to run the Web Gateway or the Java Enterprise Edition Database Logger are as follows:

- You must have one of the following supported combinations of Java 5 Enterprise Edition application server and operating system:
  - WebSphere Application Server 7.0 fix pack 7.0.0.11, or later
    -- Microsoft Windows XP Professional Service Pack 2, or later (32-bit)
    -- Microsoft Windows Server 2003 Service Pack 2, or later (32-bit or 64-bit)
    -- Microsoft Windows Server 2003 R2 Service Pack 1, or later (32-bit or 64-bit)
    -- Microsoft Windows Server 2008 (Enterprise or Standard Edition) (32-bit or 64-bit)
    -- Microsoft Windows Server 2008 R2 (Enterprise or Standard Edition) (64-bit)

- -- Linux for System x (32-bit): RHEL V5.1 - 5.4 or SLES V10 with Service Pack 1, or later
- -- Linux for System x (64-bit): RHEL V5.1 - 5.4 or SLES V10 with Service Pack 1, or later
- -- Linux for System p (64-bit): RHEL V5.1 - 5.4 or SLES V10 with Service Pack 1, or later
- -- AIX 6.1
  - WebSphere Application Server Community Edition 2.1.
    - -- Microsoft Windows XP Professional Service Pack 2, or later (32-bit)
    - -- Microsoft Windows Server 2003 Service Pack 2, or later (32-bit or 64-bit)
    - -- Microsoft Windows Server 2003 R2 Service Pack 1, or later (32-bit or 64-bit)
    - -- Microsoft Windows Server 2008 (Enterprise or Standard Edition) (32-bit or 64-bit) with Service Pack 2, or later
    - -- Linux for System x (32-bit): RHEL V5.0 - 5.4 or SLES V10 with Service Pack 2, or later
    - -- Linux for System x (32-bit): SLES V11
    - -- Linux for System x (64-bit): RHEL V5.0 - 5.4 or SLES V10 with Service Pack 2, or later
    - -- Linux for System p (64-bit): RHEL V5.0 - 5.4 or SLES V10 with Service Pack 2, or later
    - -- AIX 6.1
  - You must have one of the following supported databases
  - Web Gateway:
    - -- DB2® 9.1
    - -- DB2 9.5
    - -- DB2 9.7 with fix pack 1, or later
    - -- Oracle 10g or Oracle 10.2
    - -- Oracle 11g
  - Java Enterprise Edition Database Logger:
    - -- DB2 9.1
    - -- DB2 9.5
    - -- DB2 9.7 with fix pack, 1 or later
  - To use the Web Gateway administrative console or the sample web application, you must have one of the following web browsers:
    - -- Firefox 3.0 - 3.5
    - -- Internet Explorer 7
  - **Note:** 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.

The prerequisites to run the stand-alone database logger are as follows:

- The WebSphere MQ server installation must be WebSphere MQ 7.0 fix pack 7.0.1.0, or later.
- The operating system must be supported for the Server version of WebSphere MQ File Transfer Edition.
- The operating system and database must be supported for WebSphere MQ to act as a Transaction Co-ordinator for WebSphere MQ classes for Java applications (via JDBC XA). See the "Resource Managers" section under the "Detailed system requirements" page for the required operating system at

  http://www.ibm.com/software/integration/wmq/requirements/
- You must have one of the following supported databases:
  - DB2 9.1
  - DB2 9.5

- DB2 9.7 with fix pack 1, or later
- Oracle 10g or Oracle 10.2
- Oracle 11g
- For z/OS you must have one of the following supported databases:
  -- DB2 8.1
  -- DB2 9.1

- **Notes:**
  - If you are using Linux for System z (64-bit) with Oracle 10g, then you need to apply APAR IZ66717 to WebSphere MQ before using the database logger.
  - If you are using Oracle 10.2, you must refer to the following technote before you use the database logger: Oracle 10.2 technote:

    http://www.ibm.com/support/docview.wss?uid=swg21393855

The prerequisites to run the protocol bridge agent are as follows:

- A standards-compliant FTP or SFTP server that uses a UNIX® or Windows style file system format
- The following modes of operation are not supported:
  - Bridging from a protocol bridge agent to an FTP or SFTP server running on z/OS
  - Bridging from a protocol bridge agent running on IBM i in EBCDIC mode to an SFTP server

The prerequisites to run the Connect:Direct bridge agent are as follows:

- A system with Connect:Direct for Windows V4.5.01 on one of the following platforms:
  - Microsoft Windows XP Professional (32-bit) with service pack 3, or later
  - Microsoft Windows Server 2003 (32-bit) with service pack 2
  - Microsoft Windows Server 2008 (32-bit) with service pack 2

Or

- A system with Connect:Direct for UNIX V4.0 on one of the following platforms:
  - Linux for System x (32-bit): RHEL V5.0, V5.1, V5.2, V5.3, or V5.4
  - Linux for System x (32-bit): SLES V9 with service pack 1, or later
  - Linux for System x (32-bit): SLES V10 with service pack 1, or later
  - Linux for System x (32-bit): SLES V11

For details on which platforms and versions of Connect:Direct the Connect:Direct bridge can communicate with, visit the WebSphere MQ File Transfer Edition system requirements web page.

The prerequisites to run the WebSphere MQ Explorer plug-in are as follows:

- Any platform that is supported for the MQ Explorer by WebSphere MQ. For detailed system requirements for the required platform of WebSphere MQ, visit

  http://www-01.ibm.com/software/integration/wmq/requirements/#WebSphereMQV70/701

The prerequisite to run the WebSphere MQ File Transfer Edition Information Center are one of the following:

- Microsoft Windows XP Professional 32-bit
- Microsoft Windows Vista Business 32-bit
- Red Hat Linux Enterprise Edition 5 32-bit

WebSphere MQ File Transfer Edition supports file transfer to and from server and client installations at any level of WebSphere MQ File Transfer Edition. Visit the "Migration, coexistence, and compatibility between different versions" section of the Information Center at

http://publib.boulder.ibm.com/infocenter/wmqfte/v7r0/index.jsp?topic=/com.ibm.wmqfte.doc/migration.htm

For the most current system requirements, refer to the WebSphere MQ File Transfer Edition system requirements web page at

http://www.ibm.com/software/integration/wmq/filetransfer/requirements/

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 V7.0.4 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, V7.0.4

The package contains:

- WebSphere MQ File Transfer Edition for z/OS 3590 tape cartridge (uncompressed)
- License Information booklet (GC34-6980)
- Documentation and Tools DVD (LCD7-1801)
- IPLA booklet (Z125-3301)

### WebSphere MQ File Transfer Edition for Multiplatforms V7.0.4

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

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 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.

```
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 for        (5724-R10)
   Multiplatforms
Product category: Application Connectivity
```

### *Charge metric*

| Program name | Part number or PID number | Charge metric |
|---|---|---|
| WebSphere MQ File Transfer Edition for z/OS V7.0.4 | 5655-U80 | Value Unit |
| WebSphere MQ File Transfer Edition for Multiplatforms V7.0.4 | 5724-R10 | Processor Value Unit Client Device |

### Processor Value Unit

Processor Value Unit (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 following website and by the number of processors made available to the program

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

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.

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 (see webpage below). If using Full Capacity licensing, Licensee
must obtain PVU entitlements sufficient to cover all activated processor cores[1] in
the physical hardware environment made available to or managed by the program,
except for those servers from which the program has been 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

[1]
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.

Express and Workgroup programs may be licensed with maximum use terms. In
that case, the following applies: The maximum authorized use terms and conditions
for PVU licensed IBM Express and Middleware Programs can be found in the IBM
Express and Middleware Licensing Guide.

**Client Device**

Client Device is the unit of measure by which the program can be licensed. A Client
Device is a single user computing device or special purpose sensor or telemetry
device that requests the execution of or receives for execution a set of commands,
procedures, or applications from or provides data to another computer system that
is typically referred to as a server or is otherwise managed by the server. Multiple
Client Devices may share access to a common server. A Client Device may have
some processing capability or be programmable to allow a user to do work.

Examples include, but are not limited to actuators, appliances, automated teller
machines, automated meter reading, cash registers, disk drives, desktop computers,
kiosks, notebook computers, personal digital assistant, point-of-sale terminals,
sensors, smart meters, tape drives, and technical workstations.

Licensee must obtain entitlements for every Client Device which runs, provides data to, uses services provided by, or otherwise accesses the program and for every other computer or server on which the program is installed.

**Web Gateway**

WebSphere MQ File Transfer Edition V7.0.3 added a new web transfer capability enabled component called the Web Gateway, which is deployed alongside a suitable, supported JEE Application Server. WebSphere MQ File Transfer Edition Server licenses are required wherever the Web Gateway component is deployed, regardless of whether other program components are also used on a given machine. This license includes the entitlement to deploy the Extended Transactional Client component of WebSphere MQ, as supplied with the program.

Entitlements for WebSphere MQ File Transfer Edition Server are required in order to use the Web Gateway component supplied with the program. Entitlements for WebSphere MQ File Transfer Edition Clients are not sufficient to use the Web Gateway. In that case, licenses for WebSphere MQ File Transfer Edition Server must be acquired.

No product licenses are required in order to connect web applications and web browsers into the Web Gateway.

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

```
Program
number      Program name      Value Unit Exhibit

5655-U80    WebSphere MQ File  VUE007
            Transfer Edition
            for z/OS V7.0.4
```

**Value Unit exhibit VUE007**

```
            MSUs      MSUs
            minimum   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 website at

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

### Passport Advantage

| Program name/Description | Part number |
|---|---|
| WebSphere MQ File Transfer Edition Proc Val Unit Lic + SW S&S 12 Mo | D0453LL |
| WebSphere MQ File Transfer Edition Proc Val Unit Annual SW S&S Rnwl | E04VPLL |
| WebSphere MQ File Transfer Edition Proc Val Unit SW S&S Reinstate 12 Mo | D0454LL |
| WebSphere MQ File Transfer Edition Client Device Lic + SW S&S 12 Mo | D045FLL |
| WebSphere MQ File Transfer Edition Client Device Annual SW S&S Rnwl | E04VZLL |
| WebSphere MQ File Transfer Edition Client Device SW S&S Reinstate 12 Mo | D045GLL |

### Passport Advantage trade-up

Below 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 Processor Value Unit (PVU) | D04XALL |
| Qualified Competitor Processor Value Unit License and Software S&S 12 Months | WebSphere MQ File Transfer Edition Processor Value Unit (PVU) | D05DHLL |
| Qualified Competitor Client Device License and Software S&S 12 Months | WebSphere MQ File Transfer Edition Client Device | D05DILL |

```
WebSphere MQ for        WebSphere MQ File        D04XILL
zEnterprise             Transfer Edition for
BladeCenter             zEnterprise BladeCenter
Extension and           Extension and
Linux on System z       Linux on System z
Processor Value         Processor Value Unit
Unit (PVU) License      (PVU)
and Software S&S
12 months

Qualified Competitor    WebSphere MQ File        D090PLL
for zEnterprise         Transfer Edition for
BaldeCenter Extension   zEnterprise BladeCenter
and Linux on System     Extension and
z Processor Value       Linux on System z
Unit (PVU) License      Processor Value
and Software S&S        Unit (PVU)
 12 months

Qualified Competitor    WebSphere MQ File        D090QLL
for zEnterprise         Transfer Edition for
BladeCenter Extension   zEnterprise BladeCenter
and Linux on            Extension and
System z Client         Linux on System z
Device License          Client Device
and Software S&S
 12 months
```

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 for          BA10SML
Multiplatforms Media Pack Multilingual
```

### 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 File Transfer Edition for      D0451LL
zEnterprise BladeCenter® Extension
and Linux on System z Processor Value
Unit (PVU) License + Software S&S 12 Months

WebSphere MQ File Transfer Edition for      D0452LL
zEnterprise BladeCenter Extension
and Linux on System z Processor Value
Unit (PVU) Software S&S Reinstatement
12 Months

WebSphere MQ File Transfer Edition for      E04VLLL
zEnterprise BladeCenter Extension
and Linux on System z Processor Value
Unit (PVU) Annual Software S&S Renewal

WebSphere MQ File Transfer Edition for      D045HLL
zEnterprise BladeCenter Extension
```

```
and Linux on System z Client Device
License + Software S&S 12 Months

WebSphere MQ File Transfer Edition for        DO45ILL
zEnterprise BladeCenter Extension
and Linux on System z Client Device
Software S&S Reinstatement 12 Months

WebSphere MQ File Transfer Edition for        E04W0LL
zEnterprise BladeCenter Extension
and Linux on System z Client Device
Annual Software S&S Renewal


Program number     Program name

5655-U80           WebSphere MQ File Transfer Edition for z/OS V7.0.4
upgrade path


Feature                                          Feature
description                                       number

Value metric category - Value unit authorizations
License option - One time charge
Per value unit                                    0001
Per 250 Value units                               0002

Value metric category - MSU-day authorizations
License option - On Off capacity on-demand temporary
use charge
Per On Off capacity on demand Temporary Use Charge    0003
Per 250 On Off capacity on demand Temporary Use Charge 0004
```

### Basic license

### On/Off Capacity on Demand (CoD)

### WebSphere MQ File Transfer Edition for Multiplatforms

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

```
Part
number     Description

D044ELL    WebSphere MQ File Transfer Edition
           Processor Day OOCoD Temporary Use Charge
```

### 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 V7.0.4
Program PID   5655-U80

Entitlement                       License option/
identifier     Description        Pricing metric

S0151SW        WebSphere MQ File   Basic OTC, Per MSU-day TUC
               Transfer Edition
               for z/OS V7.0.4
```

## 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 V7.0.4
Program PID:  5655-U80

Entitlement                          License option/
identifier   Description             Pricing metric

S0151SW      WebSphere MQ File Transfer   Basic OTC, per
             Edition for z/OS V7.0.4      Value Unit

Orderable supply ID    Language    Distribution medium

S014VNJ                English      3590 uncompressed
                                    tape cartridge

S016G9H                English      3590 Media
```

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

```
Subscription and Support PID:  5655-U81

Entitlement                          License option/
identifier   Description             Pricing metric

S0151SV      WebSphere MQ File       Basic ASC, per value Unit SW S&S
             Transfer Edition        No charge, decline SW S&S
             for z/OS S&S            Per MSU SW S&S registration

Orderable supply ID    Language    Distribution medium

S0151SS                English      Hardcopy pub
```

## 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. 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 CBPDO, ServerPac, SystemPac®.

CBPDO and ServerPac are offered for Internet delivery in countries where ShopzSeries product ordering is available. Internet delivery reduces software delivery time and allows you to install software without the need to handle tapes. For more details on Internet delivery, refer to the ShopzSeries help information at

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

You choose the delivery method when you order the software. IBM recommends Internet delivery. In addition to Internet and DVD, the supported tape delivery options for CBPDO, ServerPac, and SystemPac, include:

- 3590
- 3592

Most products can be ordered in ServerPac and SystemPac the month following their availability on CBPDO. z/OS can be ordered via all three offerings at general availability. 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 general availability
- SystemPac shipments will begin four weeks after general availability 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.

The following agreement applies for Software Subscription and Support and does not require customer signatures:

- IBM Agreement for Acquisition of Software Maintenance (Z125-6011)

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 with the initial license acquisition of each program acquired. The initial period of Software Subscription and Support 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-8DEJT4

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

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 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.

### Volume orders (IVO)

No

### Passport Advantage applies

Yes, and through the Passport Advantage website at

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

### Usage restrictions

Yes. For additional information, refer to the License Information document that is available on the IBM Software License Agreement website

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

### Software Subscription and Support applies

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 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 with each program license acquired. The initial period of Software Subscription and Support can be extended by the purchase of a renewal option, if available.

While your Software Subscription and Support 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 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 website at

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

Yes. All distributed software licenses include Software Subscription and Support 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.

While your Software Subscription and Support 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, every day of the year. For additional details, consult your IBM Software Support Handbook at

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

Software Subscription and Support 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 this agreement.

For more information about the Passport Advantage Agreement, visit the Passport Advantage website at

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

### 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-8DEJT4

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

  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. 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.

### Volume orders (IVO)

No

### Passport Advantage applies

No

### Usage restrictions

Yes. For additional information, refer to the License Information document that is available on the IBM Software License Agreement website

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

### Software Subscription and Support 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/sl/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

5655-U80      WebSphere MQ File    Execution based
              Transfer Edition
              for z/OS V7.0.4
```

### 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 website

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

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:

- 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 website

   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 IBM System z On/Off Capacity on Demand (Z125-7883) 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

For additional information and current prices, contact your local IBM representative.

**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

```
                              Part
Program name/Description      number

WebSphere MQ File Transfer    BA10SML
Edition V7.0.4
```

For current prices, visit

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

Information on charges is available at

   http://www.ibm.com/support

Choose the option entitled Purchase/upgrade tools.

```
Program name: WebSphere MQ File Transfer Edition
              for z/OS V7.0.4
Program PID:  5655-U80

Entitlement                            License option/
identifier    Description              Pricing metric

S0151SW       WebSphere MQ File Transfer    Basic OTC, per
              Edition for z/OS V7.0.4       Value Unit

Orderable supply ID    Language              Distribution medium

S014VNJ                English               3590 uncompressed
                                             tape cartridge

S016G9H                English               3590 Media
```

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

```
Subscription and Support PID:  5655-U81

Entitlement                        License option/
identifier    Description          Pricing metric

S0151SV       WebSphere MQ File    Basic ASC, per value Unit SW S&S
              Transfer Edition     No charge, decline SW S&S
              for z/OS S&S         Per MSU SW S&S registration

Orderable supply ID    Language                 Distribution medium

S0151SS                English                  Hardcopy pub
```

**IBM Global Financing**

IBM Global Financing offers competitive financing to credit-qualified customers to assist them in acquiring IT solutions. Offerings include financing for IT acquisition, including hardware, software, and services, from both IBM and other manufacturers or vendors. Offerings (for all customer segments: small, medium, and large enterprise), rates, terms, and availability can vary by country. Contact your local IBM Global Financing organization or visit

   http://www-03.ibm.com/financing/us/index.html

IBM Global Financing offerings are provided through IBM Credit LLC in the United States, and other IBM subsidiaries and divisions worldwide to qualified commercial and government customers. Rates are based on a customer's credit rating, financing terms, offering type, equipment type, and options, and may vary by country. Other restrictions may apply. Rates and offerings are subject to change, extension, or withdrawal without notice.

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To order, contact the Americas Call Centers or your local IBM representative, or your IBM Business Partner.

To identify your local IBM representative or IBM Business Partner, call 800-IBM-4YOU (426-4968).

```
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The Americas Call Centers, our national direct marketing organization, can add your name to the mailing list for catalogs of IBM products.

**Note:** Shipments will begin after the planned availability date.