



IBM WebSphere MQ Advanced for z/OS , V7.1 delivers a suite of WebSphere MQ products for the z/OS environment

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At a glance

IBM® WebSphere® MQ Advanced for z/OS® , V7.1 delivers entitlement for:

- WebSphere MQ File Transfer Edition for z/OS
- WebSphere MQ Advanced Message Security for z/OS

A licensing entitlement for IBM WebSphere MQ for z/OS , V7.1 is a prerequisite.

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

Overview

WebSphere MQ Advanced for z/OS , V7.1 offers a new way to acquire entitlements for select WebSphere MQ z/OS products, if you have acquired entitlement to IBM WebSphere MQ for z/OS , V7.1.

WebSphere MQ Advanced for z/OS , V7.1 delivers a suite of products that comprises:

- WebSphere MQ File Transfer Edition for z/OS
- WebSphere MQ Advanced Message Security for z/OS

For ordering, contact Your IBM representative or an IBM Business Partner. For more information contact the Americas Call Centers at 800-IBM-CALL (426-2255). Reference: LE001

Key prerequisites

For details, refer to the [Technical information](#) section.

Planned availability date

October 12, 2012

Description

WebSphere MQ Advanced for z/OS , V7.1 is an offering that gives existing licensees of WebSphere MQ for z/OS the means to acquire entitlement to the following WebSphere MQ z/OS products in a single transaction:

- WebSphere MQ File Transfer Edition for z/OS
- WebSphere MQ Advanced Message Security for z/OS

WebSphere MQ for z/OS enables z/OS applications to use message queuing to participate in message-driven processing with other WebSphere MQ-enabled applications, either on the z/OS platform or other platforms running WebSphere MQ.

WebSphere MQ File Transfer Edition for z/OS extends the use of WebSphere MQ so files can be packaged as messages and sent over the WebSphere MQ network. Either can originate on z/OS , on other platforms, or across a combination of both.

WebSphere MQ Advanced Message Security for z/OS extends WebSphere MQ by enabling encryption of messages that flow over WebSphere MQ. This helps maintain secure message contents between sending and receiving applications. These applications can be running on z/OS or other supported platforms and the applications do not require changing to make use of WebSphere MQ Advanced Message Security capabilities.

Accessibility by people with disabilities

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

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

Section 508 of the US Rehabilitation Act

WebSphere MQ Advanced for z/OS , V7.1 is capable, when used in accordance with IBM documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it.

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 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 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

WebSphere MQ Advanced for z/OS is positioned as a member of the WebSphere MQ family of messaging transports that provides a messaging backbone with a range of capabilities for the enterprise, both intercompany and intracompany. The objective of the WebSphere MQ family is to offer a comprehensive suite of seamless, interconnected transport protocols and quality-of-service levels:

- WebSphere MQ Server, the core of application integration, is a highly effective messaging backbone for service-oriented architecture (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 includes a choice of APIs and interoperates with the Java™ Message Service (JMS) messaging services embedded in WebSphere Application Server. This extends its reach to non-Java Enterprise Edition (JEE) environments. WebSphere MQ is a flexible and scalable connectivity solution that can grow incrementally with changing business needs.
- WebSphere MQ can be enhanced through additional capabilities delivered with the product. It provides managed file transfer and end-to-end message encryption and security, and access to mobile and remotely connected physical devices.
 - WebSphere MQ Managed File Transfer adds file-specific features to the WebSphere MQ transport. It delivers a managed file transfer solution that can enable the movement of files between IT systems with reliability and without the need for programming. This is available with additional entitlement and can be added to the deployed image and then redeployed as a single instance.
 - WebSphere MQ Advanced Message Security expands the security offered by WebSphere MQ with end-to-end data protection for applications and it can be deployed to existing production environments without changes to existing WebSphere MQ applications. WebSphere MQ Advanced Message Security is available with additional entitlement and can be added to the deployed image, and then redeployed as a single instance.
 - WebSphere MQ Telemetry extends WebSphere MQ through clients using Message Queue Telemetry Transport (MQTT), which is a standard, lightweight connectivity protocol. This enables connected physical devices and mobile devices, which may be restricted by bandwidth and power consumption, to exchange information with WebSphere MQ. This capability is deployed as part of the WebSphere MQ image, but requires separate entitlement if used.

- WebSphere MQ Advanced for the distributed environment can be purchased as a single part number to provide entitlement to WebSphere MQ, WebSphere MQ Managed File Transfer Service, WebSphere MQ Advanced Message Security, and WebSphere MQ Telemetry for deployment on distributed systems.
- WebSphere MQ for z/OS exploits the platform-specific capabilities of the IBM System z platform to deliver a messaging powerhouse.
- WebSphere MQ Advanced for z/OS can be purchased in one transaction for entitlement to WebSphere MQ File Transfer Edition for z/OS and WebSphere MQ Advanced Message Security for z/OS . It requires entitlement for WebSphere MQ for z/OS .

Reference information

For information about WebSphere MQ for z/OS V7.1, refer to Software Announcement [211-394](#), dated October 4, 2011.

For information about WebSphere MQ V7.5, refer to Software Announcement [212-091](#), dated April 24, 2012.

For information about WebSphere MQ Advanced for IBM WebSphere MQ V7.5, refer to Software Announcement [212-424](#), dated October 09, 2012

For information about WebSphere MQ Advanced Message Security for z/OS , V7.0.1, refer to Software Announcement [210-335](#), dated October 5, 2010.

For information about WebSphere MQ File Transfer Edition V7.0.4, refer to Software Announcement [211-093](#), dated April 5, 2011.

Program number

Program number	VRM	Program name
5655-w98	7.1	webSphere MQ Advanced for z/OS

Product identification number

Program PID number	Subscription and Support PID number
5655-w98	5655-w99

Offering Information

Product information is available via the Offering Information website

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

Publications

WebSphere MQ Advanced for z/OS , V7.1

The *Program Directory* (GI13-3305) is provided in softcopy format.

This publication is only provided in PDF softcopy format. It is available for download, free of charge, from the IBM Publications Center. If hardcopy is desired, you can print the PDF document.

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, where IBM does business.

Technical information

Specified operating environment

Hardware requirements

WebSphere MQ Advanced Message Security for z/OS , V7.0.1

Any machine capable of running IBM z/OS V1.8, or later.

WebSphere MQ File Transfer Edition for z/OS , V7.0.4

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.

Software requirements

WebSphere Advanced Message Security for z/OS , V7.0.1

Prerequisite: WebSphere MQ for z/OS , V7.0.1, or later

Operating systems: IBM z/OS V1.8, or later

The *Program Directory* delivered with the product contains the latest level of information. This includes APAR or PTF levels of supported products.

For information on software requirements, visit

<http://www-306.ibm.com/software/integration/wmq/>

WebSphere MQ File Transfer Edition for z/OS , V7.0.4

- IBM 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 the PM17286 (6.0.2.10 MQ Java) fix

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.

Planning information

Direct customer support

Direct customer support is provided 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 Advanced for z/OS , V7.1 is distributed with:

- License Information CD (GC34-2921)
- 3590 tape media
- Publications (refer to the [Publications](#) section)

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 Advanced for z/OS , V7.1 uses the security and auditability features of the operating system 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

Charge metric

Program name	PID number	Charge metric
webSphere MQ Advanced for z/OS, V7.1	5655-w98	Per Value Unit

Charge metric definitions

Engine

An engine is also referred to as a central processor (CP) or processor. Engines for traditional workloads are called General Purpose CPs. Engines for Linux™ workloads are called Integrated Facility for Linux (IFL) engines or Linux-only engines. Engines for Coupling Facility workloads are called Integrated Coupling Facility (ICF) engines.

Managed processor (charging under full capacity in the managed environment)

Charges are based on the active processors on the machines in the computing environment affiliated with the program rather than on the server where the program is run. The managed processors, which require Proofs of Entitlement (PoEs), are defined in the License Information's program-unique terms.

Notes

1. IBM defines a physical processor in a computer as a functional unit that interprets and executes instructions. A physical processor consists of at least an instruction control unit and one or more arithmetic and logic units.
2. Multicore technology allows two or more processors (commonly called cores) to be active on a single silicon chip. With multicore technology, IBM considers each core to be a physical processor. For example, in a dual-core chip, there are two physical processors residing on the single silicon chip.
3. The program may not run on some or all of the processors for which PoEs are required by the program's valuation method.
4. In the System z IFL environment, each IFL engine is considered a single physical processor.
5. Threading, a technique that makes a single processor seem to perform as two or more, does not affect the count of physical processors.
6. Where blade technology is employed, each blade is considered a separate server and charging is based upon the total number of processors on the blades with which the program is affiliated.
7. Not all processors require the same number of Value Unit entitlements. To determine the number of Value Unit entitlements required, refer to the processor Value Unit conversion table on the Passport Advantage® website

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

Millions of Service Units (MSUs)

MSU is defined as millions of CPU service units per hour, which is the measure of capacity used to describe the computing power of the hardware processors on which S/390® or System z software runs. Processor MSU values are determined by the hardware vendor, IBM, or Software Compatible Vendors (SCVs).

For more detailed information about System z software pricing, go to

<http://www-03.ibm.com/systems/z/resources/swprice/>

Value Unit

A Value Unit (VU) is a unit of measure by which the Program can be licensed. Value Unit entitlements are based on the quantity of a specific designated measurement, for example MSUs, Users, Engines, Tape Drives, and so on, for the given software. Licensee must obtain sufficient entitlements for the number of Value Units required for Licensee's environment as specified in the specific Program terms. The Value Unit entitlements are specific to the Program and may not be exchanged, interchanged, or aggregated with other Value Unit entitlements of another program.

Pricing example

The following pricing example applies to WebSphere MQ Advanced for z/OS, V7.1.

System z server = 1,500 MSU System z server

The product in this example employs Value Unit slope VUE007 (VUE = Value Unit Exhibit). The scales below are used to calculate the equivalent number of Value Units for a specified number of MSUs.

In the example below, if the customer has installed 1,500 MSUs, the applicable number of Value Units is:

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 rounded up to the next integer. In this example, the customer needs to license 344 Value Units.

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

Program number	Program name	value unit exhibit
5655-w98	webSphere MQ Advanced for z/OS, v7.1	VUE007

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

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 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 US 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>

Basic license

On/Off CoD

WebSphere MQ Advanced for z/OS , V7.1 is eligible for On/Off CoD with a temporary use charge calculated based on MSUs per-day usage.

Program trade up

Licensees of WebSphere MQ File Transfer Edition for z/OS (5655-U80) or WebSphere MQ Advanced Message Security for z/OS (5655-W50), with Subscription and Support in effect, are entitled to trade up to WebSphere MQ Advanced for z/OS (5655-W98).

Ordering information for 5655-W98 MSU-based, System z offerings

Translation from MSUs to Value Units

	MSUs	Value Units/MSU
Base	1-3	1.00
Tier A	4-45	.45
Tier B	46-175	.36
Tier C	176-315	.27
Tier D	316+	.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 Advanced for z/OS, v7.1
Program PID: 5655-w98

Entitlement identifier	Description	License option/Pricing metric
S0173LK	IBM WebSphere MQ Advanced for z/OS	Basic OTC, per Value Unit Basic OTC, per MSU-day TUC
S0173LK	IBM WebSphere MQ Advanced for z/OS Trade Up from IBM WebSphere MQ File Transfer Edition for z/OS (5655-U80)	Basic OTC, per Value Unit Basic OTC, per MSU Day TUC
S0173LK	IBM WebSphere MQ Advanced for z/OS Trade Up from IBM WebSphere MQ Advanced Message Security for z/OS (5655-W50)	Basic OTC, per Value Unit Basic OTC, per MSU Day TUC
Orderable supply ID	Language	Distribution medium
S0173LJ	English	3590 tape cartridge

Subscription and Support (S&S) PID: 5655-w99

Entitlement identifier	Description	License option/Pricing metric
S0173LL	IBM WebSphere MQ Advanced 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
S0173LN	English	Hardcopy publication

S&S Annual Support Charge (ASC) trade-up procedure

S&S ASC for WebSphere MQ Advanced for z/OS (5655-W99) will be credited by the remaining portion of S&S ASC for WebSphere MQ File Transfer Edition for z/OS (5655-U81) or WebSphere MQ Advanced Message Security for z/OS (5655-W5S), up to their respective anniversary dates.

Subscription and Support

Subscription and Support must be ordered to receive voice technical support via telephone during normal business hours, and future releases and versions, at no additional charge. The capacity of Subscription and Support (for example, Value Units or number of processors) must be the same as the capacity ordered for the product licenses.

To order, specify the Subscription and Support program product number 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 during normal business hours.
- 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.

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.

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) applies for Software Subscription and Support (Software Maintenance) and does not require customer signatures:

This program is 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. This program has 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 reference and form number

L-ACRR-8XNHQ6 (GC34-2921)

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 support

Support for the program will be available until a minimum date of June 2016, as long as your Subscription and Support (also referred to as Software Maintenance) is in effect. Enhanced support, called Subscription and Support, includes telephone assistance, as well as access to updates, releases, and versions of the program as long as support is in effect. You will be notified 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

Entitlement

Purchasing license entitlements for WebSphere MQ Advanced for z/OS allows you to deploy WebSphere MQ File Transfer Edition for z/OS and WebSphere MQ Advanced Message Security for z/OS up to your license entitlement for WebSphere MQ Advanced for z/OS. No entitlement is provided for WebSphere MQ for z/OS, and this entitlement is required prior to deployment of WebSphere MQ Advanced for z/OS.

Usage restriction

Yes. Usage is limited to the quantity of Value Units licensed.

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 (Software Maintenance)

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/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
5655-w98	WebSphere MQ Advanced for z/OS	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 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

WebSphere MQ Advanced for z/OS (5655-W98) comprises two products:

- WebSphere MQ File Transfer Edition for z/OS (5655-U80)
- WebSphere MQ Advanced Message Security for z/OS (5655-W50)

Both component products produce SMF89 records under their original program numbers, not under the 5655-W98 program number. The Sub-capacity Reporting Tool (SCRT) will report the MSU utilization values for each of the component products, not for 5655-W98. IBM will use the higher of the MSU utilization values reported for the two component products to determine the charges for 5655-W98.

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.

Statement of good security practices

IT system security involves protecting systems and information through prevention, detection, and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, or misappropriated, or can result in misuse of your systems to attack others. Without a comprehensive approach to security, no IT system or product should be considered completely secure and no single product or security measure can be completely effective in preventing improper access. IBM systems and products are designed to be part of a comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective. IBM does not warrant that systems and products are immune from the malicious or illegal conduct of any party.

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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.

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for problem reporting enables IBM to provide better support and service for your IBM server.

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