



# IBM MQ for z/OS, V9.0.3 delivers modernization to further enable Hybrid Cloud Transformation

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## At a glance

IBM<sup>(R)</sup> MQ for z/OS<sup>(R)</sup>, V9.0.3 offers improvements in the areas of:

- New connector pack that is added to MQ Advanced for z/OS Value Unit Edition (VUE)
- Improved isolation and interaction of individual components within MQ Advanced for z/OS VUE

## Overview

MQ for z/OS, V9.0.3 one-time-charge offerings include the following:

- MQ Advanced Message Security for z/OS, V9.0.3
- MQ Managed File Transfer for z/OS, V9.0.3
- MQ Advanced for z/OS, V9.0.3
- MQ for z/OS VUE, V9.0.3
- MQ Advanced for z/OS VUE, V9.0.3

MQ for z/OS, V9.0.3 messaging offerings are Continuous Delivery releases that build on the earlier release of the Version 9.0 offerings. Version 9.0.3 delivers robust, secure, and scalable enterprise messaging for connecting applications, systems, and services in on-premise, in the cloud, or in hybrid environments.

You can choose to follow either:

- Long Term Support Release for MQ for z/OS, V9, which provides only fixes and no new function
- Continuous Delivery release for MQ for z/OS, V9, which delivers both fixes and new function:
  - Ability to detect, differentiate, and isolate function within execution environments for the components that constitute the MQ Advanced for z/OS VUE offering
  - Provision of a new Connector Pack component within the MQ Advanced for z/OS Value Unit Edition offering

The Connector Pack includes:

- New MQ for z/OS connectivity to IBM Cloud Product Insights Service

- New MQ for z/OS connectivity to the IBM Blockchain Service on Bluemix<sup>(R)</sup>
- New MFT Agent that can run on one z/OS system and connect as a client to MQ on a remote z/OS system

If you choose this Continuous Delivery release, then you need to continue to apply further Continuous Delivery release updates of fixes and new function. It is not recommended that you switch back and forth between the Long Term Support Release and the Continuous Delivery release.

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## Key prerequisites

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MQ for z/OS, V9.0.3 runs on any z Systems™ server that supports z/OS V2.01, with enough storage to meet the combined requirements of the programming prerequisites for IBM MQ for z/OS, the access methods, and the application programs.

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

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## Planned availability date

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June 16, 2017

Refer to the [Availability of national languages](#) section for national language availability.

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## Description

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MQ for z/OS, V9.0.3 delivers new capabilities that are only available for clients who download and deploy Version 9.0.3, and not available in the IBM MQ V9 Long Term Support Release.

- MQ Advanced Messaged Security for z/OS, V9.0.3 improves isolation of MQ Advanced Messaged Security for z/OS allowing the detection of the execution environment at runtime. This provides more efficient control of levels of product functionality.
- MQ Managed File Transfer for z/OS, V9.0.3 improves isolation of MQ Managed File Transfer for z/OS, V9.0.3 to allow the detection of the execution environment at runtime. This provides more efficient control of levels of product functionality.

MQ Advanced for z/OS, V9.0.3 is a bundled offering of

- MQ Managed File Transfer for z/OS, V9.0.3
- MQ Advanced Security for z/OS, V9.0.3

Version 9.0.3 delivers all the capabilities of those offerings.

MQ for z/OS VUE, V9.0.3 improves the isolation of MQ for z/OS VUE by allowing the detection of the execution environment at runtime. This provides more efficient control of levels of product functionality.

MQ Advanced for z/OS, VUE V9.0.3 is a bundled offering of:

- MQ for z/OS VUE V9.0.3
- MQ Managed File Transfer for z/OS, V9.0.3
- MQ Advanced Messaged Security for z/OS, V9.0.3

Version 9.0.3 delivers all the capabilities of those offerings.

In addition, the introduction of the new Connector Pack component allows MQ Advanced for z/OS VUE to have wider connectivity options within a Hybrid Cloud environment. The Connector Pack allows:

- An MFT Agent that can run on one z/OS system and connect as a client to MQ on a remote z/OS system
- Connectivity to IBM Cloud Product Insights Service from an MQ Advanced for z/OS VUE Queue Manager
- Connectivity to and from the IBM Blockchain Service within Bluemix for an MQ Advanced for z/OS VUE Queue Manager

### **Accessibility by people with disabilities**

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A US Section 508 Voluntary Product Accessibility Template (VPAT) containing details on accessibility compliance can be found on the [IBM Accessibility](#) website.

### **Value Unit-based pricing**

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Value Unit pricing for eligible IBM z Systems™ IBM International Program License Agreement (IPLA) programs enables a lower cost of incremental growth and enterprise aggregation. Each z Systems 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 z Systems 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 z Systems IPLA program that you have acquired is referred to as **entitled license capacity**. If you wish to grow your entitled license capacity for a z Systems IPLA program, the calculation to determine additional needed Value Units is based upon the number of Value Units already acquired.

For each z Systems 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, go to the [IBM z Systems Software Pricing](#) website.

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 z Systems IPLA program you selected, refer to the [Terms and conditions](#) section.

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## **Statement of general direction**

IBM intends to deliver the MQ 9.0.3 Continuous Delivery update concurrently for:

- MQ for z/OS
- MQ and MQ Appliance

IBM's statements regarding its plans, directions, and intent are subject to change or withdrawal without notice at IBM's sole discretion. Information regarding potential future products is intended to outline our general product direction and it should not be relied on in making a purchasing decision. The information mentioned regarding potential future products is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. Information about potential future products may not be incorporated into any contract. The development, release, and timing of any future features or functionality described for our products remain at our sole discretion.

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## Reference information

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For more information on IBM MQ Advanced for z/OS VUE, see

- Software Announcement [216-506](#), dated November 15, 2016
- Software Announcement [216-294](#), dated July 12, 2016

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## Availability of national languages

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Description	Availability date	Language
IBM MQ for z/OS, V9.0.3	June 16, 2017	English, French, Japanese, Chinese

Translation information, if available, can be found at the [Translation Reports](#) website.

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## Program number

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Program number	VRM	Program name
5655-MF9	V9.0.3	IBM MQ Managed File Transfer for z/OS
5655-AM9	V9.0.3	IBM Advanced Message Security for z/OS
5655-AV9	V9.0.3	IBM MQ Advanced for z/OS
5655-VU9	V9.0.3	IBM MQ for z/OS Value Unit Edition
5655-AV1	V9.0.3	IBM MQ Advanced for z/OS, Value Unit Edition V9.0.3

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## Product identification number

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Program PID number	Subscription and Support PID number
5655-MF9	5655-U81
5655-AM9	5655-W5S
5655-AV9	5655-W99
5655-VU9	5655-VSS
5655-AV1	5655-AV2

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## Offering Information

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Product information is available on the [IBM Offering Information](#) website.

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## Business Partner information

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If you are a Direct Reseller - System Reseller acquiring products from IBM, you may link directly to [BP Attachment for Announcement Letter 217-165](#) for this announcement. A PartnerWorld<sup>(R)</sup> ID and password are required (use IBMid).

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## Publications

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MQ for z/OS, V9.0.3 documentation is published in [IBM Knowledge Center](#), which can be viewed from a web browser with internet access. Effective June 16, 2017, product documentation will be available in IBM Knowledge Center.

The following softcopy publications are available in .pdf format to download from the [Publications Center](#).

Title	Order number
IBM MQ Managed File Transfer for z/OS, V9.0.3 Program Directory	GI13-3392
IBM MQ Advanced Message Security for z/OS, V9.0.3 Program Directory	GI13-3398
IBM MQ Advanced for z/OS, V9.0.3 Program Directory	GI13-3396
IBM MQ for z/OS Value Unit Edition V9.0.3 Program Directory	GI13-3395
IBM MQ Advanced for z/OS Value Unit Edition V9.0.3 Program Directory	GI13-3397

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. A large number of publications are available online in various file formats, and they can all be downloaded by all countries.

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## Services

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### Software Services

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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, contact your Lab Services Sales or Delivery Leader.

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## Technical information

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### Specified operating environment

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#### Hardware requirements

MQ for z/OS, V9.0.3 runs on any z Systems server that supports z/OS V2.01, with enough storage to meet the combined requirements of the programming prerequisites for MQ for z/OS, the access methods, and the application programs.

## **Software requirements**

The Program Directory, which is shipped with the product contains the latest level of information, includes APAR or PTF levels of supported products.

For additional information, go to the [IBM MQ System requirements](#) website.

## **Compatibility**

MQ for z/OS Value Unit Edition V9.0.3 is upwardly compatible with programs written for:

- IBM MQSeries<sup>(R)</sup> for MVS<sup>TM</sup>/ESA, V1.2
- MQSeries for OS/390<sup>(R)</sup>, V2.1
- MQSeries for OS/390, V5.2
- IBM WebSphere<sup>(R)</sup> MQ for z/OS, V5.3.1
- WebSphere MQ for z/OS, V6.0
- WebSphere MQ for z/OS, V7.0
- WebSphere MQ for z/OS, V7.0.1
- WebSphere MQ for z/OS, V7.1
- MQ for z/OS, V8.0
- MQ for z/OS, V9.0

Regression testing is performed to ensure compatibility.

## **MQ platforms**

MQ supports multiple IBM and non-IBM platform configurations. Some platforms do not support all of the functions available in this product.

## **Limitations**

Additional information can be found in the [Terms and conditions](#) section of this announcement. See also the [License Information documents](#) found on the IBM Software License Agreement website.

## **IBM Electronic Support**

The IBM Support Portal is your gateway to technical support. This includes IBM Electronic Support tools and resources, for software and hardware, to help save time and simplify support. The Electronic Support tools can help you find answers to questions, download fixes, troubleshoot, automate data collection, submit and track problems through the Service Request online tool, and build skills. All these tools are made available through your IBM support agreement. Read about the Electronic Support portfolio of tools on the [IBM Electronic Support](#) website.

You can also access the [IBM Support Portal](#) page and the online [Service requests and PMRs](#) tool for more support.

## **Planning information**

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### **Packaging**

MQ for z/OS VUE V9.0.3 program delivers:

- 3590 tape cartridge
- MQ for z/OS VUE for z/OS, V9.0.3 License Information DVD (GC34-7466)

MQ Advanced Message Security for z/OS, V9.0.3 program delivers:

- 3590 tape cartridge

- MQ Advanced Message Security for z/OS, V9.0.3 License Information DVD (GC34-7355)

MQ Managed File Transfer for z/OS, V9.0.3 program delivers:

- 3590 tape cartridge
- MQ Managed File Transfer for z/OS, V9.0.3 License Information DVD (GC34-7354)

MQ Advanced for z/OS, V9.0.3 program delivers:

- 3590 tape cartridge
- MQ Managed File Transfer for z/OS, V9.0.3 License Information DVD (GC34-7354)
- MQ Advanced Message Security for z/OS, V9.0.3 License Information DVD (GC34-7355)
- MQ Advanced for z/OS, V9.0.3 License Information DVD (GC34-7477)

MQ Advanced for z/OS, VUE V9.0.3 program delivers:

- 3590 tape cartridge
- MQ Managed File Transfer for z/OS, V9.0.3 License Information DVD (GC34-7354)
- MQ Advanced Message Security for z/OS, V9.0.3 License Information DVD (GC34-7355)
- MQ for z/OS VUE for z/OS, V9.0.3 License Information DVD (GC34-7466)
- MQ Advanced for z/OS, VUE V9.0.3 License Information DVD (GC34-7476)

### **Security, auditability, and control**

Information on security and setup is available in the IBM MQ for z/OS product documentation in [IBM Knowledge Center](#).

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

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## **Ordering information**

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### **Value Unit exhibit VUE007**

	<b>MSUs minimum</b>	<b>MSUs maximum</b>	<b>Value Units/MSU</b>
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	+	0.20

### **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 z Systems IPLA product, the applicable Value Units would be:

<b>Tier</b>	<b>MSUs</b>	<b>Multiplied by Value Units per MSU</b>	<b>Equal Value Units</b>
Base	3	1.00	3.00
Tier A	42	.45	18.90
Tier B	130	.36	46.80

Tier	MSUs	Multiplied by Value Units per MSU	Equal Value Units
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.

### Ordering z/OS through the Internet

Shopz 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). For more details and availability, go to the [Shopz](#) website.

Program number	Program name	Value Unit exhibit
5655-MF9	IBM MQ Managed File Transfer for z/OS	VUE007
5655-AM9	IBM MQ Advanced Message Security for z/OS	VUE007
5655-AV9	IBM MQ Advanced for z/OS	VUE007
5655-VU9	IBM MQ for z/OS Value Unit Edition	VUE007
5655-AV1	IBM MQ Advanced for z/OS Value Unit Edition	VUE007

### Charge metric

Program name	Part number or PID number	Charge metric
IBM MQ Managed File Transfer for z/OS, V9.0.3	5655-MF9	Value Unit
IBM MQ Advanced Message Security for z/OS, V9.0.3	5655-AM9	Value Unit
IBM MQ Advanced for z/OS, V9.0.3	5655-AV9	Value Unit
IBM MQ for z/OS Value Unit Edition V9.0.3	5655-VU9	Value Unit
IBM MQ Advanced for z/OS Value Unit Edition V9.0.3	5655-AV1	Value Unit

The programs in this announcement all have Value Unit-based pricing.

### Basic license

#### On/Off CoD

The following program products are eligible for On/Off CoD with a temporary use charge calculated based on MSUs per-day usage.

- IBM MQ Managed File Transfer for z/OS
- IBM MQ Advanced Message Security for z/OS
- IBM MQ Advanced for z/OS
- IBM MQ for z/OS Value Unit Edition
- IBM MQ Advanced for z/OS Value Unit Edition

**Program name: IBM MQ Managed File Transfer for z/OS, V9.0.3**

**Program PID: 5655-MF9**



Entitlement identifier	Description	License option/Pricing metric
S017ZR4	IBM MQ Managed File Transfer for z/OS	Basic OTC, Per MSU-day TUC

**Program name: IBM MQ Advanced Message Security for z/OS, V9.0.3**

**Program PID: 5655-AM9**

Entitlement identifier	Description	License option/Pricing metric
S017ZR1	IBM MQ Advanced Message Security for z/OS	Basic OTC, Per MSU-day TUC

**Program name: IBM MQ Advanced for z/OS, V9.0.3**

**Program PID: 5655-AV9**

Entitlement identifier	Description	License option/Pricing metric
S0180D3	IBM MQ Advanced for z/OS	Basic OTC, Per MSU-day TUC

**Program name: IBM MQ for z/OS Value Unit Edition V9.0.3**

**Program PID: 5655-VU9**

Entitlement identifier	Description	License option/Pricing metric
S0180BN	IBM MQ for z/OS Value Unit Edition	Basic OTC, Per MSU-day TUC

**Program name: IBM MQ Advanced for z/OS Value Unit Edition V9.0.3**

**Program PID: 5655-AV1**

Entitlement identifier	Description	License option/Pricing metric
S0181Z0	IBM MQ Advanced for z/OS Value Unit Edition V9.0	Basic OTC, Per MSU-day TUC

Translation from MSUs to Value Units

	MSUs	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 or greater	0.2

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: IBM MQ Managed File Transfer for z/OS**

**Program PID: 5655-MF9**

Entitlement identifier	Description	License option/Pricing metric
S017ZR4	IBM MQ Managed File Transfer for z/OS	Basic OTC, per Value Unit MultiVersion Management NC

Orderable supply ID	Description	Language	Distribution medium
S017ZR3	IBM MQ MFT for z/OS V9.0 LTSR	English	3590 Tape

Orderable supply ID	Description	Language	Distribution medium
S0182XW	IBM MQ MFT for z/OS V9.0.3 CD	English	3590 Tape

**Program name: IBM MQ Advanced Message Security for z/OS**

**Program PID: 5655-AM9**

Entitlement identifier	Description	License option/Pricing metric
S017ZR1	IBM MQ Advanced Message Security for z/OS	Basic OTC, per Value Unit MultiVersion Management NC

  

Orderable supply ID	Language	Distribution medium
S017ZR0	English	3590 Tape
S01841K	English	3590 Tape

**Program name: IBM MQ Advanced for z/OS**

**Program PID: 5655-AV9**

Entitlement identifier	Description	License option/Pricing metric
S0180D3	IBM MQ Advanced for z/OS	Basic OTC, per Value Unit MultiVersion Management NC

  

Orderable supply ID	Description	Language	Distribution medium
S0180D2	IBM MQ Advanced for z/OS V9.0	English	3590 Tape
S01835F	IBM MQ Advanced for z/OS V9.0.3 CD	English	3590 Tape

**Program name: IBM MQ for z/OS Value Unit Edition**

**Program PID: 5655-VU9**

Entitlement identifier	Description	License option/Pricing metric
S0180BN	IBM MQ for z/OS Value Unit Edition	Basic OTC, per Value Unit MultiVersion Management NC

  

Orderable supply ID	Description	Language	Distribution medium
S0180BM	IBM MQ for z/OS Value Unit Edition	English	3590 Tape
S0182XZ	IBM MQ for z/OS Value Unit Edition CD	English	3590 Tape

**Program name: IBM MQ Advanced for z/OS Value Unit Edition**

**Program PID: 5655-AV1**

Entitlement identifier	Description	License option/Pricing metric
S0181Z0	IBM MQ Advanced for z/OS Value Unit Edition	Basic OTC, per Value Unit MultiVersion Management NC

  

Orderable supply ID	Description	Language	Distribution medium
S018231	IBM MQ Advanced for z/OS VUE	English	3590 Tape

Orderable supply ID	Description	Language	Distribution medium
S01835H	IBM MQ Advanced for z/OS VUE CD	English	3590 Tape

**Program name: IBM MQ Managed File Transfer for z/OS**

**Subscription and Support PID: 5655-U81**

Entitlement identifier	Description	License option/Pricing metric
S0151SV	IBM MQ Managed File Transfer for z/OS	Basic ASC, per Value Unit SW S&S
	Subscription and Support	No charge, decline SW S&S
		Per MSU SW S&S registration MultiVersion Management NC

Orderable supply ID	Language	Distribution medium
S0151SS	English	Hardcopy publication

**Program name: IBM MQ Advanced Message Security for z/OS**

**Subscription and Support PID: 5655-W5S**

Entitlement identifier	Description	License option/Pricing metric
S016H6R	IBM MQ Advanced Message Security for z/OS	Basic ASC, per Value Unit SW S&S
	Subscription and Support	No charge, decline SW S&S
		Per MSU SW S&S registration MultiVersion Management NC

Orderable supply ID	Language	Distribution medium
S016H6P	English	Hardcopy publication

**Program name: IBM MQ Advanced for z/OS**

**Subscription and Support PID: 5655-W99**

Entitlement identifier	Description	License option/Pricing metric
S0173LL	IBM MQ Advanced for z/OS	Basic ASC, per Value Unit SW S&S
	Subscription and Support	No charge, decline SW S&S
		Per MSU SW S&S registration MultiVersion Management NC

Orderable supply ID	Language	Distribution medium
S0173LN	English	Hardcopy publication

**Program name: IBM MQ for z/OS Value Unit Edition**

**Subscription and Support PID: 5655-VSS**

Entitlement identifier	Description	License option/Pricing metric
S017CKB	IBM MQ for z/OS Value Unit Edition	Basic ASC, per Value Unit SW S&S
	Subscription and Support	No charge, decline SW S&S
		Per MSU SW S&S registration MultiVersion Management NC

Orderable supply ID	Language	Distribution medium
S017CX1	Multilingual	Hardcopy publication

**Program name: IBM MQ Advanced for z/OS Value Unit Edition**

**Subscription and Support PID: 5655-AV2**

Entitlement identifier	Description	License option/Pricing metric
S0181Z3	IBM MQ Advanced for z/OS Value Unit Edition	Basic ASC, per Value Unit SW S&S
	Subscription and Support	No charge, decline SW S&S
		Per MSU SW S&S registration MultiVersion Management NC

Orderable supply ID	Language	Distribution medium
S0181Z2	English	Hardcopy publication

**Subscription and Support**

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

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

IBM is also providing Subscription and Support for these products via a separately purchased offering under the terms of the IBM International Agreement for Acquisition of Software Maintenance. 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<sup>(R)</sup> and z Systems 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.

**Customized Offerings**

Product deliverables are shipped only through CBPDO and ServerPac. These customized offerings are offered for internet delivery in countries where Shopz 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, go to the Help section on the [Shopz](#) website.

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 include:

- 3590
- 3592

Most products can be ordered in ServerPac the month following their availability in CBPDO. z/OS can be ordered through CBPDO and ServerPac at general availability.

Many products will also be orderable in a Product ServerPac without also having to order the z/OS operating system or subsystem.

Shopz and CFSW will determine the eligibility based on product requisite checking. For more details on the product ServerPac, go to the Help section on the [Shopz](#) website.

For additional information about the Product ServerPac option, refer to Software Announcement [212-272](#), dated July 31, 2012.

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 four weeks after general availability.

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## Terms and conditions

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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<sup>(R)</sup> Agreement, and the IBM Agreement for Acquisition of Software Maintenance.

### Licensing

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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

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

These programs are licensed under the IBM Program License Agreement (IPLA) and the associated Agreement for Acquisition of Software Maintenance, which provide for support with ongoing access to releases and versions of the program. 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 z Systems Operational Support Services - SoftwareXcel is an option if you desire added services.

### License Information number

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Form number	Program name
L-APIG-AKRE3G	IBM MQ Advanced for z/OS, V9.0.3
L-APIG-A3FDRX	IBM MQ Managed File Transfer for z/OS, V9.0.3
L-APIG-A3FDUT	IBM MQ Advanced Message Security for z/OS, V9.0.3
L-ACRR-AKJE7L	IBM MQ for z/OS Value Unit Edition V9.0.3
L-APIG-AKRDQ5	IBM MQ Advanced for z/OS Value Unit Edition V9.0.3

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See the [License Information documents](#) page on the IBM Software License Agreement website for more information.

## **Limited warranty applies**

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Yes

## **Limited warranty**

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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, see the [IBM Software Support Handbook](#).

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

## **Program technical support**

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Technical support of a program product version or release will be available for a minimum of two 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 (by telephone or electronic means) from IBM for product-specific, task-oriented questions regarding the installation and operation of the program product. Software Subscription and Support (Software Maintenance) also provides you with access to versions, releases, and updates (CD releases, Long Term Support Releases or fixes) of the program. You will be notified, through an announcement letter, of discontinuance of support with six 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.

For additional information on the IBM Software Support Lifecycle Policy, see the [IBM Software Support Lifecycle Policy](#) website.

## **Program support**

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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.

## **Money-back guarantee**

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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)**

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No

## **Passport Advantage applies**

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No

### **Software Subscription and Support applies**

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Yes. During the Software Subscription and Support period, for the unmodified portion of a program, and to the extent problems can be recreated in the specified operating environment, IBM will provide the following:

- Defect correction information, a restriction, or a bypass.
- Program updates: Periodic releases of collections of code corrections, fixes, functional enhancements and new versions and releases to the program and documentation.
- Technical assistance: A reasonable amount of remote assistance by telephone or electronically to address suspected program defects. Technical assistance is available from the IBM support center in the organization's geography.

Additional details regarding Technical Assistance, which includes IBM contact information, are provided in the [IBM Software 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.
- Failures caused by products for which IBM is not responsible under the IBM Agreement for Acquisition of Software Maintenance.

Software Subscription and Support is provided only if the program is within its support timeframe as specified in the Software Support Lifecycle policy for the program.

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, go to the [Supported product list](#) website.

### **IBM Operational Support Services - SoftwareXcel**

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Yes

### **System i Software Maintenance applies**

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No

### **Variable charges apply**

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No

### **Educational allowance available**

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

### **Sub-capacity terms and conditions**

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For each z Systems 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 z Systems 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 z Systems IPLA program you selected, refer to the [Ordering information](#) section.

<b>Program number</b>	<b>Program name</b>	<b>Terms</b>
5655-MF9	IBM MQ Managed File Transfer for z/OS, V9.0.3	Execution-based
5655-AM9	IBM MQ Advanced Message security for z/OS, V9.0.3	Execution-based
5655-AV9	IBM MQ Advanced for z/OS, V9.0.3	Execution-based
5655-VU9	IBM MQ for z/OS Value Unit Edition, V9.0.3	Execution-based
5655-AV1	IBM MQ Advanced for z/OS Value Unit Edition V9.0.3	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 z Systems IPLA program with these terms equals the MSU-rated capacity of the machines where the z Systems IPLA program executes.

For more information on mainframe MSU-rated capacities, go to the [IBM z Systems Software Contracts](#) website.

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

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

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

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

For additional information for products with reference-based terms, z Systems IPLA sub-capacity programs with reference-based terms adds value to the parent



program across the environment, regardless of where in the environment the z Systems IPLA program executes.

An environment is defined as either a single or stand-alone machine or a qualified Parallel Sysplex<sup>(R)</sup>. You may have one or more different environments across the enterprise. To determine the required license capacity for each z Systems IPLA program with referenced-based terms, each environment should be assessed separately.

When a z Systems IPLA sub-capacity program with reference-based terms is used in a qualified Parallel Sysplex environment, the required license capacity of the z Systems 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 z Systems 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 z Systems (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<sup>(R)</sup> (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, go to the [IBM z Systems Software Pricing](#) website.

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 z Systems Workload License Charges (Z125-6516)*.
- The complete terms and conditions for sub-capacity EWLC are defined in the *IBM Customer Agreement - Attachment for EWLC, TWLC, zELC, and z/OS.e 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 Amendment for IBM z Systems Programs Sub-Capacity Pricing (Z125-6929)*. Once the amendment is signed, the terms in the amendment replace any and all previous z Systems IPLA sub-capacity terms and conditions.

### **Sub-capacity terms and conditions**

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IBM Getting Started Sub-capacity Pricing for z/OS IPLA Software applies.

### **Sub-capacity utilization determination**

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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 CoD**

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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 z Systems On/Off Capacity on Demand (Z125-7883) must be signed prior to use.

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## Statement of good security practices

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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 lawful, comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective.

**Important:** IBM does not warrant that any systems, products, or services are immune from, or will make your enterprise immune from, the malicious or illegal conduct of any party.

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## Prices

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Registered external customers and IBM Business Partners can access IBMLink for charges.

To view pricing information, visit the [Purchase/upgrade tools](#) website.

For software prices, select "Look up IBM System z<sup>(R)</sup> software prices (ESWPrice)" under "Prices." Specify "Price type," "Search type," and "Search value," then click "Search."

Note: Enter program number in the "Search value."

You can also contact your local IBM representative or IBM Business Partner for the applicable charges.

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## IBM Global Financing

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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 go to the [IBM Global Financing](#) website for more information.

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## Order now

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To order, contact your Americas Call Centers, local IBM representative, or your IBM Business Partner. To identify your local IBM representative or IBM Business Partner call 800-IBM-4YOU (426-4968). For more information, contact the Americas Call Centers.

Phone: 800-IBM-CALL (426-2255)

Fax: 800-2IBM-FAX (242-6329)

For IBM representative: [callserv@ca.ibm.com](mailto:callserv@ca.ibm.com)

For IBM Business Partner: [pwcs@us.ibm.com](mailto:pwcs@us.ibm.com)

### Mail:

IBM Teleweb Customer Support  
ibm.com<sup>(R)</sup> Sales Execution Center, Americas North  
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## Corrections

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### (Corrected on June 13, 2017)

The Overview and Description sections are revised.