

IBM MQ 9.2.4 for Multiplatforms, IBM MQ Appliance firmware, and IBM MQ on Cloud provide continuous delivery enhancements for intelligent and security-rich hybrid and multicloud connectivity

Table of contents

1 Overview	6 Technical information
2 Key requirements	8 Ordering information
2 Planned availability date	13 Terms and conditions
2 Description	17 Prices
3 Statement of general direction	18 Order now
4 Program number	18 Regional availability
4 Publications	

Overview

IBM[®] MQ for Multiplatforms (IBM MQ) offers enterprise messaging capabilities for secure, once-only delivery of mission-critical data for distributed systems, microservices, and serverless applications in hybrid or multicloud environments.

MQ 9.2.4 is a follow-on offering to the MQ 9.2.3 continuous delivery (CD) release and includes the following enhancements:

- MQ 9.2.4:
 - Intelligent workload rebalancing with updates to uniform clusters
 - Security enhancements that build on the existing robust security mechanisms in MQ, designed to ensure that your mission-critical business data is protected
 - MQ client support for new Java™ 11 runtimes
 - MQ client support for Java 17 runtimes
 - Updates to improve usability of the IBM MQ web console
- MQ Advanced 9.2.4:
 - The capabilities listed in MQ 9.2.4
 - Transfer logs, available with MQ Managed File Transfer (MQ MFT)

MQ Appliance 9.2.4 firmware includes the following enhancements:

- MQ administration REST API enhancements
- Intelligent workload rebalancing with updates to uniform clusters
- Security enhancements
- Transfer logs, available with MQ MFT
- Updates to improve usability of the MQ web console

MQ Appliance 9.2.4 firmware is available for the following appliances:

- MQ Appliance M2001
- MQ Appliance M2002

These enhancements are not available with the MQ 9.2 Long Term Support Release (LTSR). The LTSR includes fix packs that only provide fixes with no new function. For

more information about LTSR and CD releases of MQ, see the [IBM MQ FAQ for Long Term Support and Continuous Delivery releases](#) website.

Key requirements

MQ 9.2.4 runs on a variety of operating systems and container runtime environments. For more details, see the [Software requirements](#) section.

Planned availability date

November 18, 2021

Availability within a country is subject to local legal requirements.

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

Description

Messaging middleware from IBM is designed to simplify and accelerate the integration of diverse applications and business data across multiple platforms. IBM MQ uses message queues to facilitate the exchange of information in hybrid and multicloud environments, distributed systems, microservices, and serverless applications. By connecting virtually everything, from a simple pair of applications to the most complex business environments, IBM enterprise messaging can help organizations improve business responsiveness, control costs, reduce risk, and gain near real-time insight from mission-critical data.

MQ 9.2.4 is a follow-on offering to the MQ 9.2.3 CD release and includes the following enhancements:

- **Uniform clusters.** Uniform clusters are a specific pattern of an IBM MQ cluster that provides an automated, highly available, and horizontally scaled small collection of queue managers. Employing uniform clusters removes some of the manual steps an administrator must go through to create and administer a group of independent, interconnected queue managers. In MQ 9.2.4, transactional applications and request-and-reply applications can be connected to a uniform cluster for improved message availability and workload balancing of messaging traffic. In addition, .NET clients can now participate in a uniform cluster.
- **Security enhancements.** Security is an important consideration for developers of MQ applications and MQ system administrators. MQ 9.2.4 includes several security enhancements that build on the existing robust security mechanisms to help ensure your mission-critical business data is protected, including:
 - Transport Layer Security (TLS) 1.3 for Java 8 is supported.
 - A TLS-only mode is available, and users are notified when a non-TLS communication is enabled.
 - Password protection is enhanced.
 - .NET support for Server Name Indicators (SNI) over TLS.
- MQ client support for Adoptium and IBM Semeru Java 11 runtimes.
- MQ client support for Oracle and Adoptium Java 17 runtimes.
- General updates have been made to improve the usability of the IBM MQ web console for a better user experience. These include the capability to download and view complete message contents from the MQ Console, enhancing the prior previewing capability. These capabilities are configurable to provide greater control.

MQ Advanced 9.2.4 provides the previously listed capabilities in addition to the following:

- MQ MFT is a more reliable and efficient means for secure data and file transfer, outpacing and outperforming applications like file transfer protocol (FTP), hypertext transfer protocol (HTTP), secure file transfer protocol (SFTP), and other methods. MQ Advanced 9.2.4 introduces transfer logs for MQ MFT for enhanced visibility of file transfer status. More information is provided to the user about the activities of MFT agents, including details of successful transfers and any failure cases. Transfer logs can assist users in resolving common problems and can be used to supply more detailed diagnostics if required by IBM support.

MQ Appliance 9.2.4 firmware includes the following capabilities as previously described:

- Intelligent workload rebalancing with updates to uniform clusters
- Security enhancements that build on the existing robust security mechanisms in MQ to help ensure that your mission-critical business data is protected
- Transfer logs, available with MQ MFT
- Updates to improve usability of the MQ web console

Additionally, MQ REST administration API enhancements are included to enable MQ Appliance users to query whether the queue manager is configured for High Availability (HA), whether an HA floating IP address is configured, and whether the queue manager is configured for Disaster Recovery (DR).

MQ Appliance 9.2.4 firmware is available for the following appliances:

- MQ Appliance M2001
- MQ Appliance M2002

MQ on Cloud is available as a managed service on IBM Cloud^(R) or Amazon Web Services (AWS). For feature details, see the [IBM MQ supported features](#) web page.

Accessibility by people with disabilities

Accessibility Compliance Reports (previously known as a VPAT) containing details on accessibility compliance to standards, including the Worldwide Consortium Web Content Accessibility Guidelines, European Standard EN 301 349, and US Section 508, can be found on the [IBM Accessibility Conformance Report Request](#) website.

Statement of general direction

Following are IBM deprecation and support plans to be fulfilled within a future release:

- IBM does not intend to offer support for IBM MQ, IBM MQ Advanced, or IBM MQ Advanced for Developers on Solaris on SPARC and Solaris on x86-64 from version 9.2, or later. IBM MQ 9.1 is the last release to support Solaris on SPARC and Solaris on x86-64. IBM MQ Advanced for Developers 9.1 is the last release to support Solaris on SPARC and Solaris on x86-64.
- IBM intends to support the following minimum operating system levels in the next MQ Long Term Support Release:
 - IBM AIX^(R) 7.2 TL5 and 7.3
 - IBM i 7.3
 - Red Hat^(R) Enterprise Linux^(R) 7.9 and 8.4
 - SUSE Linux Enterprise Server 12 SP5 and 15 SP2
 - Ubuntu 20.04
 - MicrosoftTM WindowsTM Server 2019 and Microsoft Windows 10 20H2

Statements by IBM regarding its plans, directions, and intent are subject to change or withdrawal without notice at the sole discretion of IBM. Information regarding potential future products is intended to outline general product direction and 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 IBM products remain at the sole discretion of IBM.

Reference information

For general product information about MQ, see the [IBM MQ](#) website.

For information about IBM MQ for z/OS[®] Value Unit Edition 9.2.4, IBM MQ for z/OS Advanced 9.2.4, and IBM MQ for z/OS Advanced Value Unit Edition 9.2.4, see Software Announcement [221-355](#), dated November 16, 2021.

For information about IBM MQ for z/OS, 9.2.4, see Software Announcement [221-356](#), dated November 16, 2021.

Availability of national languages

Description	Availability date	Language
IBM MQ 9.2.4	November 18, 2021	English, Japanese, Spanish, Korean, French, Traditional Chinese, Simplified Chinese, Polish, German, Hungarian, Russian, Brazilian Portuguese, Italian, Czech
IBM MQ Appliance firmware 9.2.4	November 18, 2021	English

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

Program number

Program number	VRM	Program name
5724-H72	9.2.4	IBM MQ for Multiplatforms
5725-Z09	9.2.4	IBM MQ Appliance M2001
5737-H47	9.2.4	IBM MQ Appliance M2002
5737-H57	Cloud service	IBM MQ on Cloud

Program name	Program number	Machine type-model
IBM MQ Appliance M2001	5725-Z09	8436-55X
IBM MQ Appliance M2002	5737-H47	8441-54X

Offering Information

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

More information is also available on the [Passport Advantage[®]](#) and [Passport Advantage Express](#) website.

Publications

For MQ 9.2.4 documentation, see [IBM MQ 9.2](#) documentation.

For MQ Appliance 9.2.4 documentation, see [IBM MQ 9.2 Appliance](#) documentation.

Services

IBM Systems Lab Services

Systems Lab Services offers infrastructure services to help build hybrid cloud and enterprise IT solutions. From servers to storage systems and software, Lab Services can help deploy the building blocks of a next-generation IT infrastructure to empower a client's business. Lab Services consultants can perform infrastructure services for clients online or onsite, offering deep technical expertise, valuable tools, and successful methodologies. Lab Services are designed to help clients solve business challenges, gain new skills, and apply best practices.

Lab Services offers a wide range of infrastructure services for IBM Power^(R) servers, IBM Storage systems, IBM Z^(R), and IBM LinuxONE. Lab Services has a global presence and can deploy experienced consultants online or onsite around the world.

For assistance, contact Systems Lab Services at ibmsls@us.ibm.com.

To learn more, see the [IBM Systems Lab Services](#) website.

IBM Consulting

As transformation continues across every industry, businesses need a single partner to map their enterprise-wide business strategy and technology infrastructure. IBM Consulting is the business acceleration partner to help cocreate change across an organization. IBM specialists can help businesses succeed through finding collaborative ways of working that forge connections across people, technologies, and partner ecosystems. IBM Consulting brings together the business expertise and an ecosystem of technologies that help solve some of the biggest problems faced by organizations. With methods that get results faster, an integrated approach, that is grounded in an open and flexible hybrid cloud architecture, and incorporating technology from IBM Research^(R) and IBM Watson^(R) AI, IBM Consulting enables businesses to lead change with confidence and deliver continuous improvement across a business and its bottom line.

For additional information, see the [IBM Consulting](#) website.

IBM Technology Support Services (TSS)

Get preventive maintenance, onsite and remote support and gain actionable insights into critical business applications and IT systems. Speed developer innovation with end-to-end support for over 240 open-source packages. Leverage powerful IBM analytics and AI-enabled tools to enable client teams to manage IT problems before they become emergencies.

The TSS offers extensive IT maintenance and support services that cover more than one niche of a client's environment. TSS covers products from IBM and other OEMs, including servers, storage, network, appliances, and software to help clients ensure high availability across their data center and hybrid cloud environment.

For details on available services, see the [Technology support for hybrid cloud environments](#) website.

IBM TechU

Improve your knowledge in hybrid cloud and AI solutions. IBM TechU provides the most recent content so that you can learn, engage, and increase your skills with IBM Technology specialists.

A one-year, renewable membership TechU digital membership provides access to IBM Systems online education to help address your technical enablement needs for existing and new projects.

Submit questions or comments to techuid@us.ibm.com.

For additional details, see the [IBM TechU](#) website.

IBM Expert Labs

IBM Expert Labs can help clients accelerate their projects and optimize value by leveraging their deep technical skills and knowledge. With more than 20 years of industry experience, these specialists know how to overcome the biggest challenges to deliver business results that can have an immediate impact.

Expert Labs deep alignment with IBM product development allows for a strategic advantage as they are often the first in line to get access to new products, features, and early visibility into roadmaps. This connection with the development enables them to deliver First of a Kind (FOAK) implementations to address unique needs or expand a client's business with a flexible approach that works best for their organization.

For additional information, see the [IBM Expert Labs](#) website.

IBM Security™ Expert Labs

With extensive consultative expertise on IBM Security software solutions, IBM Security Expert Labs helps clients and partners modernize the security of their applications, data, and workforce. With an extensive portfolio of consulting and learning services, Expert Labs provides project-based and premier support service subscriptions.

These services can help clients deploy and integrate IBM Security software, extend their team resources, and help guide and accelerate successful hybrid cloud solutions including critical strategies such as zero trust. Remote and on-premises software deployment assistance is available for IBM Cloud Pak^(R) for Security, IBM Security QRadar^(R)/QRoC, IBM Security SOAR/Resilient^(R), IBM i2^(R), IBM Security Verify, IBM Security Guardium^(R), and IBM Security MaaS360^(R).

For more information, contact Security Expert Labs at sel@us.ibm.com.

For additional information, see the [IBM Security Expert Labs](#) website.

Technical information

Specified operating environment

Software requirements

MQ 9.2.4 supports the following operating environments and programming languages.

Operating systems:

- Microsoft Windows
- Linux
- IBM AIX
- IBM z/OS

Programming languages:

- Java
- C/C++

- Microsoft.NET
- COBOL
- For further language binding options, see the [IBM Messaging GitHub community website](#).

For MQ product software requirements, see the [System Requirements for IBM MQ 9.2](#) web page.

For MQ Appliance software requirements, see the [IBM MQ System requirements for IBM MQ Appliance](#) web page.

For container runtime environments that are supported by the prebuilt MQ Advanced certified container, see the [System Requirements for IBM MQ 9.2](#) web page, select the product component or operating system for the MQ release being used, and view the "Containers" tab.

If you are building your own MQ containers, see the [System Requirements for IBM MQ 9.2](#) web page, select the product component or operating system for the MQ release being used, and view the "Cloud Platform" section in the "Supported Software" tab to see supported runtime environments (Docker, CRI-O, and Containerd).

The IBM MQ resource adapter is compatible with application servers that support the Java Enterprise Edition 7.0 specification.

Compatibility

Queue managers and clients in MQ 9.2.4 interoperate with queue managers and clients from current and previous levels of MQ, IBM WebSphere^(R) MQ, and IBM MQSeries^(R).

- IBM MQ Explorer runs on the Linux x86-64 and Microsoft Windows platforms.
- MQ Explorer, which is supplied with MQ 9.2.4, can use a client connection to connect to any supported level of MQ or WebSphere MQ on any platform.
- MQ Managed File Transfer supports file transfers to and from server and client installations at any level of WebSphere MQ File Transfer Edition.

IBM Support

[IBM Support](#) is your gateway to technical support tools and resources that are designed to help you save time and simplify support. IBM Support can help you find answers to questions, download fixes, troubleshoot, submit and track problem cases, and build skills. Learn and stay informed about the transformation of IBM Support, including new tools, new processes, and new capabilities, by going to the [IBM Support Insider](#).

Additional IBM support

IBM GarageTM

IBM Garage is a framework for accelerating digital transformation. It helps you generate innovative ideas and equips you with the practices, technologies, and expertise to turn those ideas into business value in weeks. When you work with IBM Garage you bring pain points into focus. You empower your team to take manageable risks, adopt leading technologies, speed up solution development, and measure the value of everything you do. IBM Garage has experts and services to address a broad array of use cases, including capabilities for business transformation, hybrid cloud, analytics and AI, infrastructure systems, security, and more. For more information, see the [IBM Garage](#) website.

Planning information

Packaging

MQ 9.2.4 is delivered through the internet as an electronic download.

Ordering information

For ordering information, consult your IBM representative or IBM Business Partner, or go to the [Passport Advantage](#) website.

These programs are available only through Passport Advantage.

These products may only be sold directly by IBM or by IBM Business Partners.

To locate IBM Business Partners in your geography, see the [Find a Business Partner](#) page.

Passport Advantage

There is no new ordering information in this release. As a convenience, the following tables list all currently available part numbers.

IBM MQ

Program name/Description	Part number
IBM MQ Per Processor Value Unit (PVU) License + SW S&S 12 Months	D55V1LL
IBM MQ Per Processor Value Unit (PVU) Annual SW S&S Renewal	E0256LL
IBM MQ Per Processor Value Unit (PVU) SW S&S Reinstatement 12 Months	D55V2LL
IBM MQ High Availability Replica Processor Value Unit (PVU) License + SW Subscription & Support 12 Months	D0GGQLL
IBM MQ High Availability Replica Processor Value Unit (PVU) Annual SW Subscription & Support Renewal	E0ALULL
IBM MQ High Availability Replica Processor Value Unit (PVU) SW Subscription & Support Reinstatement 12 Months	D0GGSLL
IBM MQ High Availability Replica Virtual Processor Core Monthly License	D1VAILL
IBM MQ Virtual Processor Core Monthly License	D1RYSLL
IBM MQ Processor Value Unit (PVU) Monthly License	D1D2FLL
IBM MQ High Availability Replica Processor Value Unit (PVU) Monthly License	D193BLL

IBM MQ Advanced

Program name/Description	Part number
IBM MQ Advanced Per Processor Value Unit (PVU) License + SW S&S 12 Months	D1GZULL
IBM MQ Advanced Per Processor Value Unit (PVU) Annual SW S&S Renewal	E0LNALL
IBM MQ Advanced Per Processor Value Unit (PVU) SW S&S Reinstatement 12 Months	D1GZVLL
IBM MQ Advanced High Availability Replica Processor Value Unit (PVU) License + SW S&S 12 Months	D1H5GLL
IBM MQ Advanced High Availability Replica Processor Value Unit (PVU) Annual SW S&S Renewal	E0LNDLL

Program name/Description	Part number
IBM MQ Advanced High Availability Replica Processor Value Unit (PVU) SW S&S Reinstatement 12 Months	D1H5HLL
IBM MQ Advanced High Availability Replica Virtual Processor Core Monthly License	D1VAKLL
IBM MQ Advanced Virtual Processor Core Monthly License	D1RYWLL
IBM MQ Advanced for Non-Production Environment Processor Value Unit (PVU) License + Software Subscription and Support 12 Months	D052HZX
IBM MQ Advanced for Non-Production Environment Processor Value Unit (PVU) Software Subscription and Support Reinstatement 12 Months	D052IZX
IBM MQ Advanced for Non-Production Environment Processor Value Unit (PVU) Annual Software Subscription and Support Renewal	E052GZX
IBM MQ Advanced for Non-Production Environment Virtual Processor Core Software Monthly License	D052MZX

IBM MQ Telemetry

Program name/Description	Part number
IBM MQ Telemetry per Install Annual SW S&S Renewal	E0DRHLL

IBM MQ Advanced Message Security Component

Program name/Description	Part number
IBM MQ Advanced Message Security Component Per PVU Annual SW S&S Renewal	E0DS8LL
IBM MQ Advanced Message Security Component High Availability Replica 10 PVUs Annual SW S&S Renewal	E0DS0LL

IBM MQ Managed File Transfer Component

Program name/Description	Part number
IBM MQ Managed File Transfer Service Processor Value Unit (PVU) Annual SW S&S Renewal	E0LNELL
IBM MQ Managed File Transfer Service High Availability Replica 10 PVUs Annual SW S&S Renewal	E0LNKLL
IBM MQ File Transfer Agent Install Annual SW S&S Renewal	E0LNLLL

IBM MQ Appliance

For ordering information for MQ Appliance M2002, see Software Announcement [221-054](#), dated January 26, 2021.

Passport Advantage trade up

Clients must have previously acquired licenses for the following precursor products to be eligible to acquire equivalent licenses for the trade-up products:

There is no new ordering information in this release. As a convenience, the following table lists all currently available trade-up part numbers for IBM MQ.

Precursor product	Trade-up product	Trade-up part number
IBM MQ Trade Up License + SW Subscription & Support 12 Months	IBM MQ Advanced Processor Value Unit (PVU)	D1GZWLL
IBM MQ High Availability Replica Processor Value Unit Trade Up License + SW Subscription & Support 12 Months	IBM MQ Advanced High Availability Replica Processor Value Unit (PVU)	D1H5ILL
IBM MQ for Linux on z Systems ^(R) Processor Value Unit (PVU) Trade Up License + SW Subscription & Support 12 Months	IBM MQ Advanced for Linux on z Systems Processor Value Unit (PVU)	D1H00LL
IBM MQ High Availability Replica for Linux on z Systems PVU Trade Up License + SW Subscription & Support 12 Months	IBM MQ Advanced High Availability Replica for Linux on z Systems Processor Value Unit (PVU)	D1H6ELL
MQ Advanced for Non-Production Environment Processor Value Unit (PVU) Trade Up License + SW Subscription & Support 12 Months	IBM MQ Advanced Processor Value Unit (PVU)	D29RYLL
IBM MQ Advanced for Non-Production Environment for Linux on IBM Z Processor Value Unit (PVU) Trade Up License + SW Subscription & Support 12 Months	IBM MQ Advanced for Linux on IBM Z Processor Value Unit (PVU)	D29RZLL

Consult your IBM representative if you have any questions.

Cross-platform product for use on IBM 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 IBM Z IFL engines. If the product is not intended to run in these environments, order from the other set of part numbers in this announcement. The following set of part numbers provides the identical supply and authorization as the other set in this announcement:

There is no new ordering information in this release. As a convenience, the following tables list all currently available part numbers for use when the product is intended to run on the Linux operating system on IBM Z IFL engines.

IBM MQ

Program name/Description	Part number
IBM MQ for Linux on IBM Z Processor Value Unit (PVU) License + SW Subscription & Support 12 Months	D55V4LL
IBM MQ for Linux on IBM Z Processor Value Unit (PVU) Annual SW Subscription & Support Renewal	E0257LL
IBM MQ for Linux on IBM Z Processor Value Unit (PVU) SW Subscription & Support Reinstatement 12 Months	D55V5LL
IBM MQ High Availability Replica for Linux on IBM Z Processor Value Unit (PVU) License + SW Subscription & Support 12 Months	D0GGNLL
IBM MQ High Availability Replica for Linux on IBM Z Processor Value Unit (PVU) Annual SW Subscription & Support Renewal	E0ALTLL

Program name/Description	Part number
IBM MQ High Availability Replica for Linux on IBM Z Processor Value Unit (PVU) SW Subscription & Support Reinstatement 12 Months	D0GGPLL
IBM MQ High Availability Replica Linux on IBM Z Virtual Processor Core Monthly License	D1VAJLL
IBM MQ Linux on IBM Z Virtual Processor Core Monthly License	D1RYTLL
IBM MQ High Availability Replica for Linux on IBM Z Processor Value Unit (PVU) Monthly License	D193ALL
IBM MQ for Linux on IBM Z Processor Value Unit (PVU) Monthly License	D1938LL

IBM MQ Managed File Transfer

Program name/Description	Part number
IBM MQ File Transfer Agent for Linux on IBM Z Install Annual SW Subscription & Support Renewal 12 Months	E0LNGLL
IBM MQ Managed File Transfer Service for Linux on IBM Z Processor Value Unit (PVU) Annual SW Subscription & Support Renewal 12 Months	E0LNCLL
IBM MQ Managed File Transfer Service High Availability Replica for Linux on IBM Z 10 Processor Value Unit (PVU) Annual SW Subscription & Support Renewal 12 Months	E0LNJLL

IBM MQ Advanced

Program name/Description	Part number
IBM MQ Advanced for Linux on IBM Z Processor Value Unit (PVU) License + SW Subscription & Support 12 Months	D1GZYLL
IBM MQ Advanced for Linux on IBM Z Processor Value Unit (PVU) Annual SW Subscription & Support Renewal 12 Months	E0LNBLL
IBM MQ Advanced for Linux on IBM Z Processor Value Unit (PVU) SW Subscription & Support Reinstatement 12 Months	D1GZZLL
IBM MQ Advanced High Availability Replica for Linux on IBM Z Processor Value Unit (PVU) License + SW Subscription & Support 12 Months	D1H6BLL
IBM MQ Advanced High Availability Replica for Linux on IBM Z Processor Value Unit (PVU) Annual SW Subscription & Support Renewal 12 Months	E0LNILL
IBM MQ Advanced High Availability Replica for Linux on IBM Z Processor Value Unit (PVU) SW Subscription & Support Reinstatement 12 Months	D1H6CLL
IBM MQ Advanced High Availability Replica Linux on IBM Z Virtual Processor Core Monthly License	D1VALLL
IBM MQ Advanced Linux on IBM Z Virtual Processor Core Monthly License	D1RYZLL
IBM MQ Advanced for Non-Production Environment for Linux on IBM Z Processor	D052KZX

Program name/Description	Part number
Value Unit (PVU) License + Software Subscription and Support 12 Months	
IBM MQ Advanced for Non-Production Environment for Linux on IBM Z Processor Value Unit (PVU) Software Subscription and Support Reinstatement 12 Months	D052LZX
IBM MQ Advanced for Non-Production Environment for Linux on IBM Z Processor Value Unit (PVU) Annual Software Subscription and Support Renewal	E052JZX
IBM MQ Advanced for Linux on IBM Z Processor Value Unit (PVU) Monthly License	D1H8SLL
IBM MQ Advanced for Non-Production Environment for Linux on IBM Z Virtual Processor Core SW Monthly License	D052NZX
IBM MQ Advanced High Availability Replica for Linux on IBM Z Processor Value Unit (PVU) Monthly License	D1H8ULL

IBM MQ Advanced Message Security

Program name/Description	Part number
IBM MQ Advanced Message Security Component for Linux on IBM Z Processor Value Unit (PVU) Annual SW Subscription & Support Renewal	E0DS7LL
IBM MQ Advanced Message Security Component High Availability Replica for Linux on IBM Z 10 Processor Value Units (PVUs) Annual SW Subscription & Support Renewal	E0DRZLL

IBM MQ Appliance

For ordering information for MQ Appliance M2002, see Software Announcement [221-054](#), dated January 26, 2021.

Charge metric

The charge metrics for these licensed products can be found in the following License Information documents:

Program identifier	License Information document title	License Information number
5724-H72	IBM MQ 9.2 - 07/2021	L-APIG-C2SEH5
5724-H72	IBM MQ Advanced 9.2 - 07/2021	L-APIG-BZDDDY
5724-H72	IBM MQ Advanced for Non-Production Environment 9.2 - 07/2021	L-APIG-BZDDDY
5724-H72	IBM MQ Managed File Transfer Service 9.2 - 07/2021	L-APIG-C2SETV
5724-H72	IBM MQ Managed File Transfer Agent 9.2 - 07/2021	L-APIG-C2SETV
5724-H72	IBM MQ Advanced Message Security 9.2 - 07/2021	L-APIG-C2SEW8
5724-H72	IBM MQ Telemetry 9.2 - 07/2021	L-APIG-C2SEX5

Program identifier	License Information document title	License Information number
5724-H72	IBM MQ Advanced High Availability Replica 9.2 - 07/2021	L-APIG-BZDDA5
5724-H72	IBM MQ Managed File Transfer Service High Availability Replica 9.2 - 07/2021	L-APIG-C2SEZ4
5724-H72	IBM MQ Advanced Message Security High Availability Replica 9.2 - 07/2021	L-APIG-C2SEZ4
5724-H72	IBM MQ High Availability Replica 9.2 - 07/2021	L-APIG-C2SF3H
5737-H47	IBM MQ Appliance M2002 V9.2	L-APIG-BMKA4

Select your language of choice and scroll down to the Charge Metrics section. Follow-on releases, if any, may have updated terms. See the [License Information documents](#) website for more information.

Terms and conditions

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

This product is available only through Passport Advantage.

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.

Software Maintenance

Licenses under the IBM International Program License Agreement (IPLA) provide for support with ongoing access to releases and versions of the program. IBM includes one year of Software Subscription and Support (also referred to as Software Maintenance) with the initial license acquisition of each program acquired. The initial period of Software Subscription and Support can be extended by the purchase of a renewal option, if available. Two charges apply: 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 number

The following License Information documents apply to the offerings in this announcement:

Program identifier	License Information document title	License Information number
5724-H72	IBM MQ 9.2 - 07/2021	L-APIG-C2SEH5
5724-H72	IBM MQ Advanced 9.2 - 07/2021	L-APIG-BZDDDY

Program identifier	License Information document title	License Information number
5724-H72	IBM MQ Advanced for Non-Production Environment 9.2 - 07/2021	L-APIG-BZDDDY
5724-H72	IBM MQ Managed File Transfer Service 9.2 - 07/2021	L-APIG-C2SETV
5724-H72	IBM MQ Managed File Transfer Agent 9.2 - 07/2021	L-APIG-C2SETV
5724-H72	IBM MQ Advanced Message Security 9.2 - 07/2021	L-APIG-C2SEW8
5724-H72	IBM MQ Telemetry 9.2 - 07/2021	L-APIG-C2SEXS
5724-H72	IBM MQ Advanced High Availability Replica 9.2 - 07/2021	L-APIG-BZDDA5
5724-H72	IBM MQ Managed File Transfer Service High Availability Replica 9.2 - 07/2021	L-APIG-C2SEZ4
5724-H72	IBM MQ Advanced Message Security High Availability Replica 9.2 - 07/2021	L-APIG-C2SEZ4
5724-H72	IBM MQ High Availability Replica 9.2 - 07/2021	L-APIG-C2SF3H
5737-H47	IBM MQ Appliance M2002 V9.2 ¹	L-APIG-BMKG4

¹ The MQ 9.2.4 firmware level can be installed on M2001 appliances if the client accepts the license terms in [L-APIG-BMKG4](#).

Follow-on releases, if any, may have updated terms. See the [License Information documents](#) website for more information.

Limited warranty applies

Yes

Limited warranty

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Volume orders (IVO)

No

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Yes

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Program identifier	License Information document title	License Information number
5724-H72	IBM MQ 9.2 - 07/2021	L-APIG-C2SEH5
5724-H72	IBM MQ Advanced 9.2 - 07/2021	L-APIG-BZDDDY
5724-H72	IBM MQ Advanced for Non-Production Environment 9.2 - 07/2021	L-APIG-BZDDDY

Program identifier	License Information document title	License Information number
5724-H72	IBM MQ Managed File Transfer Service 9.2 - 07/2021	L-APIG-C2SETV
5724-H72	IBM MQ Managed File Transfer Agent 9.2 - 07/2021	L-APIG-C2SETV
5724-H72	IBM MQ Advanced Message Security 9.2 - 07/2021	L-APIG-C2SEW8
5724-H72	IBM MQ Telemetry 9.2 - 07/2021	L-APIG-C2SEX5
5724-H72	IBM MQ Advanced High Availability Replica 9.2 - 07/2021	L-APIG-BZDDA5
5724-H72	IBM MQ Managed File Transfer Service High Availability Replica 9.2 - 07/2021	L-APIG-C2SEZ4
5724-H72	IBM MQ Advanced Message Security High Availability Replica 9.2 - 07/2021	L-APIG-C2SEZ4
5724-H72	IBM MQ High Availability Replica 9.2 - 07/2021	L-APIG-C2SF3H
5737-H47	IBM MQ Appliance M2002 V9.2 ¹	L-APIG-BMKA4

¹ The MQ 9.2.4 firmware level can be installed on M2001 appliances if the client accepts the license terms in [L-APIG-BMKA4](#).

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IBM Operational Support Services - SoftwareXcel

No

Variable charges apply

No

Educational allowance available

Not applicable.

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