MQ installation instructions

Preparing the system on Linux

On Linux® systems, you might have to complete several tasks before you install IBM® MQ. You might also want to complete other tasks, depending on your installation intentions.

Procedure

1. [**Setting up the user and group on Linux**](https://www.ibm.com/docs/en/SSFKSJ_9.0.0/com.ibm.mq.ins.doc/q008503_.html) **-** On Linux® systems, IBM® MQ requires a user ID of the name mqm, with a primary group of mqm. The mqm user ID owns the directories and files that contain the resources associated with the product.
   * Set up a user ID of the name mqm, with a primary group of mqm.
   * Set the primary group of the mqm user to the group mqm.

If you are installing IBM MQ on multiple systems you might want to ensure each UID and GID of mqm has the same value on all systems. If you are planning to configure multi-instance queue managers, it is essential the UID and GID are the same from system to system. It is also important to have the same UID and GID values in virtualization scenarios.

**Linux**

RPM creates the mqm user ID and group ID as part of the installation procedure if they do not exist.

If you have special requirements for these IDs ( for example they need to have the same values as other machines you are using, or your users and group ID are centrally managed) you should create the IDs before running the installation procedure, using the **groupadd** and **useradd** commands to set the UID and GID the same on each machine.

**Note:** The only IBM MQ requirement, is that the mqm user should have the mqm group as its primary group.

## Adding existing user IDs to the group on Linux systems

If you want to run administration commands, for example **crtmqm** (create queue manager) or **strmqm** (start queue manager), your user ID must be a member of the mqm group. This user ID must not be longer than 12 characters.

Users do not need mqm group authority to run applications that use the queue manager; it is needed only for the administration commands.

## Log files created by MQ Telemetry service

The **umask** setting of the user ID that creates a queue manager will determine the permissions of the Telemetry log files generated for that queue manager. Even though the ownership of the log files will be set to mqm.

1. [**Creating file systems on Linux**](https://www.ibm.com/docs/en/SSFKSJ_9.0.0/com.ibm.mq.ins.doc/q128430_.html)  
   Before installing IBM® MQ, you might need to create file systems for both the product code and working data to be stored. There are minimum storage requirements for these file systems. The default installation directory for the product code can be changed at installation time, but the working data location cannot be changed.
   * Create file systems for both the product code and working data to be stored.

Determining the size of a server installations file system

To determine the size of the /var/mqm file system for a server installation, consider:

* The maximum number of messages in the system at one time.
* Contingency for message buildups, if there is a system problem.
* The average size of the message data, plus 500 bytes for the message header.
* The number of queues.
* The size of log files and error messages.
* The amount of trace that is written to the /var/mqm/trace directory.

Storage requirements for IBM MQ also depend on which components you install, and how much working space you need. For more details, see [Disk space requirements](https://www.ibm.com/docs/en/SSFKSJ_9.0.0/com.ibm.mq.pla.doc/q008470_.html).

Creating a file system for the working data

Before you install IBM MQ, create and mount a file system called /var/mqm which is owned by the user mqm in the group mqm ; see [Setting up the user and group on Linux](https://www.ibm.com/docs/en/SSFKSJ_9.0.0/com.ibm.mq.ins.doc/q008503_.html). This file system is used by all installations of IBM MQ on a system. If possible, use a partition strategy with a separate volume for the IBM MQ data. This means that other system activity is not affected if a large amount of IBM MQ work builds up. Configure the directory permissions to permit the mqm user to have full control, for example, file mode 755. These permissions will then be updated during the IBM MQ installation to match the permissions required by the queue manager.

Creating separate file systems for errors and logs

You can also create separate file systems for your log data ( /var/mqm/log ) and error files ( /var/mqm/errors ). If possible, place these directories on different physical disks from the queue manager data ( /var/mqm/qmgrs ) and from each other.

If you create separate file systems the /var/mqm/errors directory can be NFS mounted. However, if you choose to NFS-mount /var/mqm/errors, the error logs might be lost if the network fails.

You can protect the stability of your queue manager by having separate file systems for:

* /var/mqm/errors
* /var/mqm/trace
* /var/mqm/qmgrs
* /var/mqm/log

In the case of /var/mqm/errors, it is rare that this directory receives large quantities of data. But it is sometimes seen, particularly if there is a severe system problem leading to IBM MQ writing a lot of diagnostic information in to .FDC files. In the case of/var/mqm/trace, files are only written here when you use **strmqtrc** to start tracing IBM MQ.

You can obtain better performance of normal IBM MQ operations (for example, syncpoints, MQPUT, MQGET of persistent messages) by placing the following on separate disks:

* /var/mqm/qmgrs
* /var/mqm/log

In the rare event that you need to trace an IBM MQ system for problem determination, you can reduce performance impact by placing the/var/mqm/trace file system on a separate disk.

If you are creating separate file systems, allow a minimum of 30 MB of storage for /var/mqm, 100 MB of storage for /var/mqm/log, and 10 MB of storage for /var/mqm/errors. The 100 MB minimum allowance of storage for /var/mqm/log is the absolute minimum required for a single queue manager and is not a recommended value. The size of a file system must be scaled according to the number of queue managers that you intend to use, the number of pages per log file, and the number of log files per queue manager.

For more information about file systems, see [File system support](https://www.ibm.com/docs/en/SSFKSJ_9.0.0/com.ibm.mq.pla.doc/q005800_.html).

The size of the log file depends on the log settings that you use. The minimum sizes are for circular logging using the default settings. For more information about log sizes, see [Calculating the size of the log](https://www.ibm.com/docs/en/SSFKSJ_9.0.0/com.ibm.mq.con.doc/q018470_.html).

**Linux**

For a client installation, the file system can be mounted on a remote network device, for example NFS.

If you are performing both a client and a server installation, the requirements of the server installation take precedence over the requirements of the client installation.

Allow 15 MB as a minimum for an IBM MQ client.

A new sample IBM MQ MQI client configuration file is created in the var/mqm directory, by the client package, during installation, but only if this file does not exist. This file contains the ClientExitPath stanza. An example mqclient.ini file is shown in [Configuring a client using a configuration file](https://www.ibm.com/docs/en/SSFKSJ_9.0.0/com.ibm.mq.con.doc/q016840_.html).

If you are using a common configuration file for multiple clients, either in the IBM MQ installation directory or in another location using the MQCLNTCF environment variable, you must grant read access to all user identifiers under which the IBM MQ client applications run. If, for any reason, the file cannot be read the failure is traced, and the search logic continues as if the file had not existed.

1. Configure any additional settings needed for your Linux system.

See [**Configuring and tuning the operating system on Linux**](https://www.ibm.com/docs/en/SSFKSJ_9.0.0/com.ibm.mq.ins.doc/q008550_.html)**.**

What to do next

When you have completed the tasks to prepare the system, you are ready to start installing IBM MQ. To install a server using rpm , see [Installing IBM MQ server on Linux](https://www.ibm.com/docs/en/SSFKSJ_9.0.0/com.ibm.mq.ins.doc/q008640_.html). To install a client using rpm, see [Installing an IBM MQ client on Linux](https://www.ibm.com/docs/en/SSFKSJ_9.0.0/com.ibm.mq.ins.doc/q009010_.html).

[V9.0.2 Mar 2017]To install a server using a Debian installer, see [Installing an IBM MQ server on Linux Ubuntu using Debian packages](https://www.ibm.com/docs/en/SSFKSJ_9.0.0/com.ibm.mq.ins.doc/q129710_.html). To install a client using a Debian installer, see [Installing an IBM MQ client on Linux Ubuntu using Debian packages](https://www.ibm.com/docs/en/SSFKSJ_9.0.0/com.ibm.mq.ins.doc/q129720_.html)

[V9.0.2 Mar 2017]

**Important:** Having both Debian and rpm installed versions of IBM MQ on the same system is not supported.

Checking the availability of RPM on your machine

You must ensure that RPM is installed on your Linux® machine before installing IBM® MQ. [V9.0.2 Mar 2017]From IBM MQ 9.0.2 you can use a Debian installer as an alternative to rpm.

Before you begin

[V9.0.2 Mar 2017]If you choose to use the Debian installer, see [Installing IBM MQ on Linux Ubuntu using Debian](https://www.ibm.com/docs/en/SSFKSJ_9.0.0/com.ibm.mq.ins.doc/q129740_.html).

About this task

**Important:** The installation procedure uses the same rpm packages that are used by the other rpm based distributions. Technologies that convert these rpm packages into other forms, such as alien to convert rpms to Debian packages, are not compatible with the IBM MQ rpm packages and must not be used.

Procedure

1. To determine if the correct rpm package is installed on you system use the following command:
2. dpkg-query -W --showformat '${Status}\n' rpm

If you receive a response that is of the form:

install ok installed

rpm is installed on your system and no further action is required.

If you receive a response that is of the form:

unknown ok not-installed

rpm is not installed on your system and you must install the rpm package before attempting to install IBM MQ, using the command described in step [2](https://www.ibm.com/docs/en/SSFKSJ_9.0.0/com.ibm.mq.ins.doc/q122930_.html#q122930___inrpm).

1. Run the following command, using root authority.

In the example, you obtain root authority using the sudo command:

sudo apt-get install rpm

**Attention:** If this command does not complete successfully, consult your system administrator for instructions specific to your system on how to install the rpm package.

What to do next

You are now ready to install IBM MQ.

Installing an IBM MQ client on Linux

Installing an IBM® MQ client on a 64 bit Linux® system.

Before you begin

* Before you start the installation procedure, make sure that you have completed the necessary steps outlined in [Preparing the system on Linux](https://www.ibm.com/docs/en/SSFKSJ_9.0.0/com.ibm.mq.ins.doc/q128440_.html).
* If this installation is not the only installation on the system, you must ensure that you have write access to /var/tmp.

About this task

This task describes the installation of the client, using the RPM Package Manager installer to select which components you want to install. You must install at least the Runtime and Client components. The components are listed in [IBM MQ rpm components for Linux systems](https://www.ibm.com/docs/en/SSFKSJ_9.0.0/com.ibm.mq.ins.doc/q008350_.html).

Procedure

1. Log in as root, or switch to the superuser using the **su** command.
2. Make your current directory the location of the installation file. The location might be the mount point of the DVD, a network location, or a local file system directory.
3. Run the mqlicense.sh script.

If you want to view a text-only version of license, which can be read by a screen-reader, type:

./mqlicense.sh -text\_only

The license is displayed.

If want to accept the license without it being displayed, you can run the mqlicense.sh script with the -accept option.

./mqlicense.sh -accept

You must accept the license agreement before you can proceed with the installation.

1. If you have multiple installations on this system, you must run **crtmqpkg** to create a unique set of packages to install on the system:
   1. Enter the following command:
   2. ./crtmqpkg *suffix*

where *suffix* is a name of your choosing, that will uniquely identify the installation packages on the system. *suffix* is not the same as an installation name, although the names can be identical. *suffix* is limited to 16 characters in the ranges A-Z, a-z, and 0-9.

* 1. Set your current directory to the location specified when the **crtmqpkg** command completes.

This directory is a sub-directory of /var/tmp/mq\_rpms, in which the unique set of packages is created. The packages have the *suffix* value contained within the filename.

1. Install IBM MQ.

The minimum components you must install are the MQSeriesRuntime and the MQSeriesClient.

* 1. To install to the default location, /opt/mqm, use the **rpm -ivh** command to install each component that you require.

For example, to install all components to the default location use the following command:

rpm -ivh MQSeries\*.rpm

If you are using Ubuntu, add the **--force-debian** attribute. For example, to install all components to the default location use the following command:

rpm --force-debian -ivh MQSeries\*.rpm

You must include this option to prevent seeing warning messages from the version of RPM for your platform, which indicates that the RPM packages are not intended to be directly installed using RPM.

* 1. To install to a non-default location use the **rpm --prefix** option. For each installation, all of the IBM MQ components that you require must be installed in the same location.

The installation path specified must either be an empty directory, the root of an unused file system, or a path that does not exist. The length of the path is limited to 256 bytes and must not contain spaces.

For example, to install the runtime and server components to /opt/customLocation on a 64-bit Linux system:

rpm --prefix /opt/customLocation -ivh MQSeriesRuntime-V.R.M-F.x86\_64.rpm

MQSeriesClient-V.R.M-F.x86\_64.rpm

where:

**V**

Represents the version of the product that you are installing

**R**

Represents the release of the product that you are installing

**M**

Represents the modification of the product that you are installing

**F**

Represents the fix pack level of the product that you are installing

What to do next

* If you have chosen this installation to be the primary installation on the system, you must now set it as the primary installation. Enter the following command at the command prompt:
* *MQ\_INSTALLATION\_PATH*/bin/setmqinst -i -p *MQ\_INSTALLATION\_PATH*

You can have only one primary installation on a system. If there is already a primary installation on the system, you must unset it before you can set another installation as the primary installation. For more information, see [Changing the primary installation](https://www.ibm.com/docs/en/SSFKSJ_9.0.0/com.ibm.mq.con.doc/q015180_.html).

* You might want to set up the environment to work with this installation. You can use the **setmqenv** or **crtmqenv** command to set various environment variables for a particular installation of IBM MQ. For more information, see [setmqenv](https://www.ibm.com/docs/en/SSFKSJ_9.0.0/com.ibm.mq.ref.adm.doc/q083560_.html) and [crtmqenv](https://www.ibm.com/docs/en/SSFKSJ_9.0.0/com.ibm.mq.ref.adm.doc/q083100_.html).
* For instructions on how to verify your installation, see [Testing communication between a client and a server on Linux](https://www.ibm.com/docs/en/SSFKSJ_9.0.0/com.ibm.mq.ins.doc/q009363_.html)

# Downloading IBM MQ 9.1.0.7

### Download

## Abstract

This document describes how to download IBM MQ 9.1.0, Fix Pack 7.

## Download Description

* [Overview](https://www.ibm.com/support/pages/downloading-ibm-mq-91)
* [9.1.5 CD](https://www.ibm.com/support/pages/downloading-ibm-mq-915-continuous-delivery)
* [**Latest Fix Pack  
  9.1.0.7 LTS**](https://www.ibm.com/support/pages/downloading-ibm-mq-9107)
* [Older Fix Packs](https://www.ibm.com/support/pages/downloading-ibm-mq-910-older-fix-packs)

Choose a different release by clicking a tab above.

**Overview**

For updates to MQ 9.1, you choose between Long Term Support (LTS) and Continuous Delivery (CD) releases. Long Term Support corresponds with the way we have traditionally supported and maintained MQ, through delivery of Fix Packs. Long Term Support is for systems that demand the highest levels of stability. Updates during the support period contain fixes to identified problems and vulnerabilities, and do not add new function. For more information, see the [IBM MQ FAQ for Long Term Support and Continuous Delivery Releases](https://www.ibm.com/support/docview.wss?uid=swg27047919).

The IBM MQ 9.1 LTS releases are delivered concurrently on Multiplatforms, z/OS and the MQ Appliance. For MQ 9.1 LTS releases, Multiplatforms refers to AIX, IBM i, Linux, Solaris, and Windows. Note that, from IBM MQ 9.2.0, Solaris is no longer a supported platform.

Long Term Support is rolled up into fix packs for Multiplatforms and IBM MQ Appliance, and provided as PTFs for z/OS. For Unix System Services features (that is, JMS and WEB UI, Connector Pack, and Managed File Transfer) the z/OS PTFs are aligned directly with the Multiplatforms fix packs. Other PTFs are made available as and when they are produced.

For z/OS, you download the PTFs from [Shopz](https://www-304.ibm.com/software/shopzseries/ShopzSeries_public.wss" \t "_blank). For Multiplatforms, you get the download from Fix Central or Passport Advantage. You typically use the Fix Central download to update an existing installation, and the Passport Advantage download to create a new installation. If new operating system support is added to IBM MQ ensure you install from the latest available Passport Advantage download. MQ 9.1.0.7 updates the Linux and Windows x86 64-bit platforms. When you download from Passport Advantage, check that the eImage is at the latest fix pack level for your platform. If not, install the eImage then apply the latest fix pack from Fix Central.

Details of the fixes delivered in this fix pack are here: [Fix list for IBM MQ Version 9.1 LTS.](https://www.ibm.com/support/docview.wss?uid=ibm10740167)

**Downloading the fix pack from Fix Central**

To update an existing installation, you apply the fix pack to the installation. Use the following links to download IBM MQ 9.1.0, Fix Pack 7 for your platform. You will be asked to register before being presented with a set of downloadable files.

|  |
| --- |
| [AIX](https://www.ibm.com/support/fixcentral/swg/selectFixes?product=ibm/WebSphere/WebSphere+MQ&release=All&platform=All&function=fixId&fixids=9.1.0-IBM-MQ-AixPPC64-FP0007) |
| [IBM i](https://www.ibm.com/support/pages/ibm-mq-and-ibm-mft-v91-ibm-i-fix-pack-9107) |
| [Linux on LE POWER (Little Endian)](https://www.ibm.com/support/fixcentral/swg/selectFixes?product=ibm/WebSphere/WebSphere+MQ&release=All&platform=All&function=fixId&fixids=9.1.0-IBM-MQ-LinuxPPC64LE-FP0007) |
| [Linux on IBM Z 64-bit](https://www.ibm.com/support/fixcentral/swg/selectFixes?product=ibm/WebSphere/WebSphere+MQ&release=All&platform=All&function=fixId&fixids=9.1.0-IBM-MQ-LinuxS390X-FP0007) |
| [Linux on x86 64-bit](https://www.ibm.com/support/fixcentral/swg/selectFixes?product=ibm/WebSphere/WebSphere+MQ&release=All&platform=All&function=fixId&fixids=9.1.0-IBM-MQ-LinuxX64-FP0007) |
| [Ubuntu on LE POWER (Little Endian)](https://www.ibm.com/support/fixcentral/swg/selectFixes?product=ibm/WebSphere/WebSphere+MQ&release=All&platform=All&function=fixId&fixids=9.1.0-IBM-MQ-UbuntuLinuxPPC64LE-FP0007) |
| [Ubuntu on IBM Z 64-bit](https://www.ibm.com/support/fixcentral/swg/selectFixes?product=ibm/WebSphere/WebSphere+MQ&release=All&platform=All&function=fixId&fixids=9.1.0-IBM-MQ-UbuntuLinuxS390X-FP0007) |
| [Ubuntu on x86 64-bit](https://www.ibm.com/support/fixcentral/swg/selectFixes?product=ibm/WebSphere/WebSphere+MQ&release=All&platform=All&function=fixId&fixids=9.1.0-IBM-MQ-UbuntuLinuxX64-FP0007) |
| [Solaris on SPARC](https://www.ibm.com/support/fixcentral/swg/selectFixes?product=ibm/WebSphere/WebSphere+MQ&release=All&platform=All&function=fixId&fixids=9.1.0-IBM-MQ-SolarisSparc64-FP0007) |
| [Solaris on x86 64-bit](https://www.ibm.com/support/fixcentral/swg/selectFixes?product=ibm/WebSphere/WebSphere+MQ&release=All&platform=All&function=fixId&fixids=9.1.0-IBM-MQ-SolarisX64-FP0007) |
| [Windows 64-bit](https://www.ibm.com/support/fixcentral/swg/selectFixes?product=ibm/WebSphere/WebSphere+MQ&release=All&platform=All&function=fixId&fixids=9.1.0-IBM-MQ-Win64-FP0007) |
| [IBM MQ Appliance firmware update](https://www.ibm.com/support/fixcentral/swg/selectFixes?product=ibm/WebSphere/IBM+MQ+Appliance+M2000&release=9.1.0.0&platform=All&function=textSearch&text=MQ+Appliance+9.1.0.7) |

For checksum information to validate fix pack downloads, see [Checksum values for MQ downloads from Fix Central](https://www.ibm.com/support/pages/node/2494335).

**Downloading the release from Passport Advantage**

To create a new installation, or add new operating system support, you download the release from Passport Advantage. For this fix pack, the copy of the release on Passport Advantage was updated for the Linux and Windows x86 64-bit platforms. For all other platforms, after you download and install the release, you need to get the fix pack from Fix Central and apply it to the installation.

Provided your IBM ID is entitled, click a part number in the following table to download either the full production release eAssembly, or any of the eImages that make up the production release. Alternatively, sign in to [Passport Advantage](https://www.ibm.com/software/passportadvantage/pao_customer.html) . For the full release, search for part number **CJ3DZML** for production use and **CJ3E0ML** for trial use. If you don't need the full release, you can instead search for any of the eImages that make up the full release.

If you install IBM MQ eAssembly images on a UNIX or Linux-based platform, you must use GNU tar (also known as gtar) to unpack any tar images.

|  |  |
| --- | --- |
| Part Number | Description |
| [**CJ3DZML**](https://www-112.ibm.com/software/howtobuy/passportadvantage/paocustomer/sdma/SDMA?P0=SPN&searchBy=part_num&searchVal=CJ3DZML) | **IBM MQ 9.1 Long Term Support eAssembly** |
| [CNRD5ML](https://www-112.ibm.com/software/howtobuy/passportadvantage/paocustomer/sdma/SDMA?P0=SPN&searchBy=part_num&searchVal=CNRD5ML) | IBM MQ 9.1 Quick Start Guide eImage |
| [CNRD6ML](https://www-112.ibm.com/software/howtobuy/passportadvantage/paocustomer/sdma/SDMA?P0=SPN&searchBy=part_num&searchVal=CNRD6ML) | IBM MQ 9.1 for AIX eImage |
| [CNRD7ML](https://www-112.ibm.com/software/howtobuy/passportadvantage/paocustomer/sdma/SDMA?P0=SPN&searchBy=part_num&searchVal=CNRD7ML) | IBM MQ 9.1 for IBMi eImage |
| [CC65BML](https://www-112.ibm.com/software/howtobuy/passportadvantage/paocustomer/sdma/SDMA?P0=SPN&searchBy=part_num&searchVal=CC65BML) | IBM MQ 9.1.0.5 for Linux on LE Power elmage |
| [CC65CML](https://www-112.ibm.com/software/howtobuy/passportadvantage/paocustomer/sdma/SDMA?P0=SPN&searchBy=part_num&searchVal=CC65CML) | IBM MQ 9.1.0.5 for Linux on IBM Z 64-bit eImage |
| [CC8B2ML](https://www-112.ibm.com/software/howtobuy/passportadvantage/paocustomer/sdma/SDMA?P0=SPN&searchBy=part_num&searchVal=CC8B2ML) | IBM MQ 9.1.0.7 for Linux on x86 64-bit eImage (available 11 December 2020) |
| [CC42NML](https://www-112.ibm.com/software/howtobuy/passportadvantage/paocustomer/sdma/SDMA?P0=SPN&searchBy=part_num&searchVal=CC42NML) | IBM MQ 9.1.0.4 for Ubuntu on LE Power elmage |
| [CC42PML](https://www-112.ibm.com/software/howtobuy/passportadvantage/paocustomer/sdma/SDMA?P0=SPN&searchBy=part_num&searchVal=CC42PML) | IBM MQ 9.1.0.4 for Ubuntu on IBM Z 64-bit eImage |
| [CC42QML](https://www-112.ibm.com/software/howtobuy/passportadvantage/paocustomer/sdma/SDMA?P0=SPN&searchBy=part_num&searchVal=CC42QML) | IBM MQ 9.1.0.4 for Ubuntu on x86 64-bit eImage |
| [CNY6BML](https://www-112.ibm.com/software/howtobuy/passportadvantage/paocustomer/sdma/SDMA?P0=SPN&searchBy=part_num&searchVal=CNY6BML) | IBM MQ 9.1 for Solaris on SPARC eImage |
| [CNY6CML](https://www-112.ibm.com/software/howtobuy/passportadvantage/paocustomer/sdma/SDMA?P0=SPN&searchBy=part_num&searchVal=CNY6CML) | IBM MQ 9.1 for Solaris on x86 64-bit eImage |
| [CC8B3ML](https://www-112.ibm.com/software/howtobuy/passportadvantage/paocustomer/sdma/SDMA?P0=SPN&searchBy=part_num&searchVal=CC8B3ML) | IBM MQ 9.1.0.7 for Windows 64-bit eImage (available 11 December 2020) |

**Other useful links**

A number of MQ components are also made available on IBM Fix Central and elsewhere for ease of download. Note that the IBM MQ Advanced certified container (formerly IBM MQ Cloud Pak) is delivered as a Continuous Delivery image because of the pace of change in this area, and because  any given version of the container is supported for one year only.

* [IBM MQ Resource Adapter](https://www.ibm.com/support/fixcentral/swg/selectFixes?product=ibm/WebSphere/WebSphere+MQ&release=9.1.0.7&platform=All&function=fixId&fixids=9.1.0.7-IBM-MQ-Java-InstallRA&useReleaseAsTarget=true&includeSupersedes=0) for use with any JEE 7.0 compliant application server
* [IBM MQ redistributable Managed File Transfer Agents](https://ibm.biz/mq91cdredistmftagent)
* [IBM MQ C clients](https://www.ibm.com/support/fixcentral/swg/selectFixes?product=ibm/WebSphere/WebSphere+MQ&release=9.1.0.7&platform=All&function=fixId&fixids=9.1.0.7-IBM-MQC-SolarisX64,9.1.0.7-IBM-MQC-SolarisSparc64,9.1.0.7-IBM-MQC-LinuxS390X,9.1.0.7-IBM-MQC-AixPPC64,9.1.0.7-IBM-MQC-HpuxIA64,9.1.0.7-IBM-MQC-LinuxX64,9.1.0.7-IBM-MQC-Win64,9.1.0.7-IBM-MQC-IBM_i,9.1.0.7-IBM-MQC-LinuxPPC64LE&useReleaseAsTarget=true&includeSupersedes=0)
* [IBM MQ Java / JMS client](https://www.ibm.com/support/fixcentral/swg/selectFixes?product=ibm/WebSphere/WebSphere+MQ&release=9.1.0.7&platform=All&function=fixId&fixids=9.1.0.7-IBM-MQ-Install-Java-All&useReleaseAsTarget=true&includeSupersedes=0)
* [IBM MQ redistributable clients](https://www.ibm.com/support/fixcentral/swg/selectFixes?product=ibm/WebSphere/WebSphere+MQ&release=9.1.0.7&platform=All&function=fixId&fixids=9.1.0.7-IBM-MQC-Redist-Java,9.1.0.7-IBM-MQC-Redist-LinuxX64,9.1.0.7-IBM-MQC-Redist-Win64&useReleaseAsTarget=true&includeSupersedes=0)
* [IBM MQ Java client components on Maven](https://mvnrepository.com/artifact/com.ibm.mq/com.ibm.mq.allclient)
* [IBM MQ Advanced certified container](https://www.ibm.biz/mq91cdcontainer) (latest version - entitlement needed)

## Product Synonym

WMQ MQ