

For the IBM MQ rpm filesets in Linux, how to find out their dependencies?

<https://www.ibm.com/support/pages/node/957483>

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+++ Objective +++

For the IBM MQ rpm filesets in Linux, how to find out their dependencies?

+++ Answer +++

The following Linux commands can be used to find out the dependencies:

```
rpm -qpR {.rpm-file}  
rpm -qR {installed-package-name}
```

These are the sections in this document:

- Section 1: Filesets that are no longer included in MQ 9.4 (Bridges for BlockChain, SalesForce)
- Section 2: Filesets that are no longer included in MQ 9.3 (Explorer)
- Section 3: Dependencies for base / manufacturing refresh
 - Summary including those filesets that depend on the JRE fileset (MQSeriesJRE)
- Section 4: Dependencies for Delta Fix Packs
- Appendix: Old contents of previous edition, showing MQ 9.1.2 CD

++ Note about MQSeriesGSKit

Starting with MQ 9.2, the fileset MQSeriesGSKit became a mandatory dependency.

+++ Section 1: Filesets that are no longer included in MQ 9.4

The following 2 components were removed in MQ 9.4:

<https://www.ibm.com/support/pages/node/7107744>

IBM MQ Bridge to BlockChain MQSeriesBCBridge was removed in MQ 9.4, 9.3.1 CD, Fix Packs 9.3.0.15 LTS and 9.2.0.21 LTS, how to uninstall it

<https://www.ibm.com/support/pages/node/7151798>

IBM MQ Bridge to Salesforce MQSeriesSFBridge was removed in MQ 9.4 and 9.3.1 CD - how to uninstall it

+++ Section 2: Filesets that are no longer included in MQ 9.3

a) Starting with MQ 9.3.0.0 LTS / 9.3.0 CD, the following rpm file is no longer shipped: MQSeriesExplorer*.rpm

The MQ Explorer is only provided as a Standalone program and it does not have an rpm fileset.

<https://www.ibm.com/support/pages/node/6598657>

Installing Standalone MQ Explorer 9.3 in Windows and Linux

b) Deprecated since MQ 9.3.1 CD:

SalesForce Bridge (Linux fileset: MQSeriesSFBridge) (Only for RHEL x86 64)
(Deprecated since MQ 9.3.1)

BlockChain Bridge (Linux fileset: MQSeriesBCBridge) (Only for RHEL x86 64)
(Deprecated since MQ 9.3.1 CD and MQ 9.3.0.15 LTS)

c) Removed in MQ 9.3.0.15 LTS, 9.2.0.21 LTS and 9.3.1 CD

BlockChain Bridge (Linux fileset: MQSeriesBCBridge) (Only for RHEL x86 64)

<https://www.ibm.com/support/pages/node/7107744>

IBM MQ Bridge to BlockChain was removed in Fix Pack 9.3.0.15 LTS, 9.2.0.21 LTS and 9.3.1 CD

<https://www.ibm.com/support/pages/node/6529256>

How to uninstall the MQ BlockChain Bridge component in Linux x86 64

+++ Section 3: Dependencies for base / manufacturing refresh

++ Summary including those filesets that depend on the JRE fileset (MQSeriesJRE)

MQSeriesRuntime is a dependency for:
ALL other filesets

MQSeriesGSKit is a dependency for:
MQSeriesClient
MQSeriesServer

MQSeriesServer is a dependency for:
MQSeriesAMQP
MQSeriesAMS
MQSeriesFTLogger
MQSeriesFTService
MQSeriesWeb
MQSeriesXRService

BOTH MQSeriesJava and MQSeriesJRE are dependencies for:
MQSeriesAMQP
All MQSeriesFT*
 MQSeriesFTBase
 MQSeriesFTAgent
 MQSeriesFTLogger
 MQSeriesFTService
 MQSeriesFTTools
MQSeriesWeb
MQSeriesXRService

MQSeriesFTBase is a dependency for:
MQSeriesFTAgent
MQSeriesFTLogger
MQSeriesFTService
MQSeriesFTTools

MQSeriesFTAgent is a dependency for:
MQSeriesFTService

Note: The following filesets were removed in MQ 9.4

MQSeriesBCBridge
MQSeriesSFBridge

Note: The following filesets were removed in MQ 9.3

MQSeriesExplorer

++ Details

For MQ 9.3.0.15 LTS, the command "rpm -qpR" was run on each of the rpm filesets.

Note: Because we are only interested on the dependencies of other MQ filesets, only the MQ rpm filesets are mentioned in this document (that is, non-MQ system dependencies are not shown in this document).

```
**ROOT** c46968v1.fyre.ibm.com: /downloads/mq93015refresh/MQServer
# ls *rpm
MQSeriesAMQP-9.3.0-15.x86_64.rpm      MQSeriesMsg_hu-9.3.0-15.x86_64.rpm
MQSeriesAMS-9.3.0-15.x86_64.rpm      MQSeriesMsg_it-9.3.0-15.x86_64.rpm
MQSeriesClient-9.3.0-15.x86_64.rpm   MQSeriesMsg_ja-9.3.0-15.x86_64.rpm
MQSeriesFTAgent-9.3.0-15.x86_64.rpm  MQSeriesMsg_ko-9.3.0-15.x86_64.rpm
MQSeriesFTBase-9.3.0-15.x86_64.rpm   MQSeriesMsg_pl-9.3.0-15.x86_64.rpm
MQSeriesFTLogger-9.3.0-15.x86_64.rpm MQSeriesMsg_pt-9.3.0-15.x86_64.rpm
MQSeriesFTService-9.3.0-15.x86_64.rpm MQSeriesMsg_ru-9.3.0-15.x86_64.rpm
MQSeriesFTTools-9.3.0-15.x86_64.rpm  MQSeriesMsg_Zh_CN-9.3.0-15.x86_64.rpm
MQSeriesGSKit-9.3.0-15.x86_64.rpm    MQSeriesMsg_Zh_TW-9.3.0-15.x86_64.rpm
MQSeriesJava-9.3.0-15.x86_64.rpm     MQSeriesRuntime-9.3.0-15.x86_64.rpm
MQSeriesJRE-9.3.0-15.x86_64.rpm      MQSeriesSamples-9.3.0-15.x86_64.rpm
MQSeriesMan-9.3.0-15.x86_64.rpm      MQSeriesSDK-9.3.0-15.x86_64.rpm
MQSeriesMsg_cs-9.3.0-15.x86_64.rpm   MQSeriesServer-9.3.0-15.x86_64.rpm
MQSeriesMsg_de-9.3.0-15.x86_64.rpm   MQSeriesSFBridge-9.3.0-15.x86_64.rpm
MQSeriesMsg_es-9.3.0-15.x86_64.rpm   MQSeriesWeb-9.3.0-15.x86_64.rpm
MQSeriesMsg_fr-9.3.0-15.x86_64.rpm   MQSeriesXRService-9.3.0-15.x86_64.rpm
```

Let's start with the main fileset: Runtime (which does not have MQ dependencies)

```
# rpm -qpR MQSeriesRuntime-9.3.0-15.x86_64.rpm
(empty list, thus, no dependencies)
```

Now, let's proceed in alphabetical order:

```
# rpm -qpR MQSeriesAMQP-9.3.0-15.x86_64.rpm
MQSeriesJava = 9.3.0-15
MQSeriesJRE = 9.3.0-15
MQSeriesServer = 9.3.0-15
MQSeriesRuntime = 9.3.0-15
```

```
# rpm -qpR MQSeriesAMS-9.3.0-15.x86_64.rpm
MQSeriesServer = 9.3.0-15
```

```
# rpm -qpR MQSeriesClient-9.3.0-15.x86_64.rpm
MQSeriesRuntime = 9.3.0-15
MQSeriesGSKit = 9.3.0-15
```

```
# rpm -qpR MQSeriesFTBase-9.3.0-15.x86_64.rpm
MQSeriesRuntime = 9.3.0-15
MQSeriesJava = 9.3.0-15
MQSeriesJRE = 9.3.0-15
```

```
# rpm -qpR MQSeriesFTAgent-9.3.0-15.x86_64.rpm
MQSeriesFTBase = 9.3.0-15
MQSeriesRuntime = 9.3.0-15
MQSeriesJava = 9.3.0-15
MQSeriesJRE = 9.3.0-15
```

```
# rpm -qpR MQSeriesFTLogger-9.3.0-15.x86_64.rpm
MQSeriesFTBase = 9.3.0-15
MQSeriesServer = 9.3.0-15
MQSeriesRuntime = 9.3.0-15
MQSeriesJava = 9.3.0-15
MQSeriesJRE = 9.3.0-15
```

```
# rpm -qpR MQSeriesFTService-9.3.0-15.x86_64.rpm
MQSeriesFTBase = 9.3.0-15
MQSeriesFTAgent = 9.3.0-15
MQSeriesRuntime = 9.3.0-15
MQSeriesServer = 9.3.0-15
MQSeriesJava = 9.3.0-15
MQSeriesJRE = 9.3.0-15
```

```
# rpm -qpR MQSeriesFTTools-9.3.0-15.x86_64.rpm
MQSeriesFTBase = 9.3.0-15
MQSeriesRuntime = 9.3.0-15
MQSeriesJava = 9.3.0-15
MQSeriesJRE = 9.3.0-15
```

```
# rpm -qpR MQSeriesGSKit-9.3.0-15.x86_64.rpm
MQSeriesRuntime = 9.3.0-15
```

```
# rpm -qpR MQSeriesJava-9.3.0-15.x86_64.rpm
MQSeriesRuntime = 9.3.0-15
```

```
# rpm -qpR MQSeriesJRE-9.3.0-15.x86_64.rpm
MQSeriesRuntime = 9.3.0-15
```

```
# rpm -qpR MQSeriesMan-9.3.0-15.x86_64.rpm
MQSeriesRuntime = 9.3.0-15
```

There are many *Msg* filesets and all have the same dependency of the Runtime.
Let's show only 1 such fileset:

```
# rpm -qpR MQSeriesMsg_cs-9.3.0-15.x86_64.rpm
MQSeriesRuntime = 9.3.0-15
```

```
# rpm -qpR MQSeriesSamples-9.3.0-15.x86_64.rpm
MQSeriesRuntime = 9.3.0-15
```

```
# rpm -qpR MQSeriesSDK-9.3.0-15.x86_64.rpm
MQSeriesRuntime = 9.3.0-15
```

```
# rpm -qpR MQSeriesServer-9.3.0-15.x86_64.rpm
MQSeriesRuntime = 9.3.0-15
MQSeriesGSKit = 9.3.0-15
```

```
# rpm -qpR MQSeriesWeb-9.3.0-15.x86_64.rpm
MQSeriesRuntime = 9.3.0-15
MQSeriesJava = 9.3.0-15
MQSeriesJRE = 9.3.0-15
MQSeriesServer = 9.3.0-15
```

```
# rpm -qpR MQSeriesXRService-9.3.0-15.x86_64.rpm
MQSeriesJava = 9.3.0-15
MQSeriesJRE = 9.3.0-15
MQSeriesServer = 9.3.0-15
MQSeriesRuntime = 9.3.0-15
```

Note: The following filesets were removed in MQ 9.4

```
# rpm -qpR MQSeriesBCBridge-9.3.0-0.x86_64.rpm
MQSeriesRuntime = 9.3.0-0
MQSeriesJava = 9.3.0-0
MQSeriesJRE = 9.3.0-0
```

```
# rpm -qpR MQSeriesSFBridge-9.3.0-15.x86_64.rpm
MQSeriesRuntime = 9.3.0-15
MQSeriesJava = 9.3.0-15
MQSeriesJRE = 9.3.0-15
```

+++ Section 4: Dependencies for Delta Fix Packs

+ For selected rpm files for Delta Fix Pack MQ 9.2.0.5
ROOT@florencia1.fyre.ibm.com: /downloads/mq9205fp

```
# rpm -qpR MQSeriesSamples-U9205-9.2.0-5.x86_64.rpm
MQSeriesRuntime-U9205 >= 9.2.0-5
MQSeriesSamples >= 9.2.0
```

```
# rpm -qpR MQSeriesJava-U9205-9.2.0-5.x86_64.rpm
MQSeriesRuntime-U9205 >= 9.2.0-5
MQSeriesJava >= 9.2.0
```

```
# rpm -qpR MQSeriesAMQP-U9205-9.2.0-5.x86_64.rpm
MQSeriesRuntime-U9205 >= 9.2.0-5
MQSeriesServer-U9205 >= 9.2.0-5
MQSeriesAMQP >= 9.2.0
```

```
# rpm -qpR MQSeriesFTAgent-U9205-9.2.0-5.x86_64.rpm
MQSeriesRuntime-U9205 >= 9.2.0-5
MQSeriesJava-U9205 >= 9.2.0-5
MQSeriesJRE-U9205 >= 9.2.0-5
MQSeriesFTBase-U9205 >= 9.2.0-5
MQSeriesFTAgent >= 9.2.0
```


+++ Appendix: Old contents of previous edition, showing MQ 9.1.2 CD

+Dependencies for base / manufacturing refresh

For MQ 9.1.2 CD, the command "rpm -qpR" was run on each of the rpm filesets:

```
[root@cordoba1 MQServer]# ls *rpm
MQSeriesAMQP-9.1.2-0.x86_64.rpm    MQSeriesMsg_fr-9.1.2-0.x86_64.rpm
MQSeriesAMS-9.1.2-0.x86_64.rpm    MQSeriesMsg_hu-9.1.2-0.x86_64.rpm
MQSeriesBCBridge-9.1.2-0.x86_64.rpm  MQSeriesMsg_it-9.1.2-0.x86_64.rpm
MQSeriesClient-9.1.2-0.x86_64.rpm  MQSeriesMsg_ja-9.1.2-0.x86_64.rpm
MQSeriesExplorer-9.1.2-0.x86_64.rpm  MQSeriesMsg_ko-9.1.2-0.x86_64.rpm
MQSeriesFTAgent-9.1.2-0.x86_64.rpm  MQSeriesMsg_pl-9.1.2-0.x86_64.rpm
MQSeriesFTBase-9.1.2-0.x86_64.rpm  MQSeriesMsg_pt-9.1.2-0.x86_64.rpm
MQSeriesFTLogger-9.1.2-0.x86_64.rpm  MQSeriesMsg_ru-9.1.2-0.x86_64.rpm
MQSeriesFTService-9.1.2-0.x86_64.rpm  MQSeriesMsg_Zh_CN-9.1.2-0.x86_64.rpm
MQSeriesFTTools-9.1.2-0.x86_64.rpm  MQSeriesMsg_Zh_TW-9.1.2-0.x86_64.rpm
MQSeriesGSKit-9.1.2-0.x86_64.rpm    MQSeriesRuntime-9.1.2-0.x86_64.rpm
MQSeriesJava-9.1.2-0.x86_64.rpm    MQSeriesSamples-9.1.2-0.x86_64.rpm
MQSeriesJRE-9.1.2-0.x86_64.rpm    MQSeriesSDK-9.1.2-0.x86_64.rpm
MQSeriesMan-9.1.2-0.x86_64.rpm    MQSeriesServer-9.1.2-0.x86_64.rpm
MQSeriesMsg_cs-9.1.2-0.x86_64.rpm  MQSeriesSFBridge-9.1.2-0.x86_64.rpm
MQSeriesMsg_de-9.1.2-0.x86_64.rpm  MQSeriesWeb-9.1.2-0.x86_64.rpm
MQSeriesMsg_es-9.1.2-0.x86_64.rpm  MQSeriesXRService-9.1.2-0.x86_64.rpm
```

```
[root@cordoba1 MQServer]# rpm -qpR MQSeriesRuntime-9.1.2-0.x86_64.rpm
(empty list, thus, no dependencies)
```

```
[root@cordoba1 MQServer]# rpm -qpR MQSeriesAMQP-9.1.2-0.x86_64.rpm
MQSeriesJava = 9.1.2-0
MQSeriesJRE = 9.1.2-0
MQSeriesServer = 9.1.2-0
MQSeriesRuntime = 9.1.2-0
```

```
[root@cordoba1 MQServer]# rpm -qpR MQSeriesAMS-9.1.2-0.x86_64.rpm
MQSeriesServer = 9.1.2-0
```

```
[root@cordoba1 MQServer]# rpm -qpR MQSeriesBCBridge-9.1.2-0.x86_64.rpm
MQSeriesRuntime = 9.1.2-0
MQSeriesJava = 9.1.2-0
MQSeriesJRE = 9.1.2-0
```

```
[root@cordoba1 MQServer]# rpm -qpR MQSeriesClient-9.1.2-0.x86_64.rpm
MQSeriesRuntime = 9.1.2-0
```

```
[root@cordoba1 MQServer]# rpm -qpR MQSeriesExplorer-9.1.2-0.x86_64.rpm
MQSeriesRuntime = 9.1.2-0
MQSeriesJRE = 9.1.2-0
```

```
[root@cordoba1 MQServer]# rpm -qpR MQSeriesFTAgent-9.1.2-0.x86_64.rpm
MQSeriesFTBase = 9.1.2-0
MQSeriesRuntime = 9.1.2-0
MQSeriesJava = 9.1.2-0
MQSeriesJRE = 9.1.2-0
```

```
[root@cordoba1 MQServer]# rpm -qpR MQSeriesFTBase-9.1.2-0.x86_64.rpm
MQSeriesRuntime = 9.1.2-0
MQSeriesJava = 9.1.2-0
MQSeriesJRE = 9.1.2-0
```

```
[root@cordoba1 MQServer]# rpm -qpR MQSeriesFTLogger-9.1.2-0.x86_64.rpm
MQSeriesFTBase = 9.1.2-0
MQSeriesServer = 9.1.2-0
MQSeriesRuntime = 9.1.2-0
MQSeriesJava = 9.1.2-0
MQSeriesJRE = 9.1.2-0
```

```
[root@cordoba1 MQServer]# rpm -qpR MQSeriesFTService-9.1.2-0.x86_64.rpm
MQSeriesFTBase = 9.1.2-0
MQSeriesFTAgent = 9.1.2-0
MQSeriesRuntime = 9.1.2-0
MQSeriesServer = 9.1.2-0
MQSeriesJava = 9.1.2-0
MQSeriesJRE = 9.1.2-0
```

```
[root@cordoba1 MQServer]# rpm -qpR MQSeriesFTTools-9.1.2-0.x86_64.rpm
MQSeriesFTBase = 9.1.2-0
MQSeriesRuntime = 9.1.2-0
MQSeriesJava = 9.1.2-0
MQSeriesJRE = 9.1.2-0
```

```
[root@cordoba1 MQServer]# rpm -qpR MQSeriesGSKit-9.1.2-0.x86_64.rpm
MQSeriesRuntime = 9.1.2-0
```

```
[root@cordoba1 MQServer]# rpm -qpR MQSeriesJava-9.1.2-0.x86_64.rpm
MQSeriesRuntime = 9.1.2-0
```

```
[root@cordoba1 MQServer]# rpm -qpR MQSeriesJRE-9.1.2-0.x86_64.rpm
MQSeriesRuntime = 9.1.2-0
```

```
[root@cordoba1 MQServer]# rpm -qpR MQSeriesMan-9.1.2-0.x86_64.rpm
MQSeriesRuntime = 9.1.2-0
```

```
[root@cordoba1 MQServer]# rpm -qpR MQSeriesMsg_cs-9.1.2-0.x86_64.rpm
MQSeriesRuntime = 9.1.2-0
```

```
[root@cordoba1 MQServer]# rpm -qpR MQSeriesSamples-9.1.2-0.x86_64.rpm
MQSeriesRuntime = 9.1.2-0
```

```
[root@cordoba1 MQServer]# rpm -qpR MQSeriesSDK-9.1.2-0.x86_64.rpm
MQSeriesRuntime = 9.1.2-0
```

```
[root@cordoba1 MQServer]# rpm -qpR MQSeriesServer-9.1.2-0.x86_64.rpm
MQSeriesRuntime = 9.1.2-0
```

```
[root@cordoba1 MQServer]# rpm -qpR MQSeriesSFBridge-9.1.2-0.x86_64.rpm
MQSeriesRuntime = 9.1.2-0
MQSeriesJava = 9.1.2-0
MQSeriesJRE = 9.1.2-0
```

```
[root@cordoba1 MQServer]# rpm -qpR MQSeriesWeb-9.1.2-0.x86_64.rpm
MQSeriesRuntime = 9.1.2-0
MQSeriesJava = 9.1.2-0
MQSeriesJRE = 9.1.2-0
MQSeriesServer = 9.1.2-0
```

```
[root@cordoba1 MQServer]# rpm -qpR MQSeriesXRService-9.1.2-0.x86_64.rpm
MQSeriesJava = 9.1.2-0
MQSeriesJRE = 9.1.2-0
MQSeriesServer = 9.1.2-0
MQSeriesRuntime = 9.1.2-0
```

+++ end +++