

For the 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}
```

There are 3 sections in this document:

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

**+++ Section 1: 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 2: 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  
MQSeriesSFBridge  
MQSeriesWeb  
MQSeriesXRService

MQSeriesFTBase is a dependency for:  
MQSeriesFTAgent  
MQSeriesFTLogger  
MQSeriesFTService  
MQSeriesFTTools

MQSeriesFTAgent is a dependency for:  
MQSeriesFTService

## ++ Details

For MQ 9.3.0.15 LTS, the command "rpm -qpR" was run on each of the rpm filesets. 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 MQSeriesSFBridge-9.3.0-15.x86_64.rpm
MQSeriesRuntime = 9.3.0-15
MQSeriesJava = 9.3.0-15
MQSeriesJRE = 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
```

### **+++ Section 3: Dependencies for Delta Fix Packs**

+ For selected rpm files for Delta Fix Pack MQ 9.2.0.5  
ROOT@florenacia1.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**

++ Section 2: 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 +++