

Configuring IBM MQ 9.4 Web Server in Linux and in Windows with No Security (for Testing the MQ Web Console)

<https://www.ibm.com/support/pages/node/6118000>

Date last updated: 06-Apr-2025

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+++ Objective

To provide detailed instructions for configuring the IBM MQ 9.4 Web Server in Linux and in Windows with no security, in order to test the MQ Web Console.

The explicit disabling of security might be suitable for Testing environments, but it is not suitable for Production environments.

Why configuring the MQ Web Server without security?

Divide and conquer! For novice users it is easier to do the implementation in 2 stages:

*** Stage 1:** Setup the MQ Web Server without security. Then do a quick test of the MQ Web Console and MQ REST API. This is the focus for this tutorial.

If you encounter an error, then you can be sure that it is not related to the security settings (which can be complex to troubleshoot).

The procedure described in this tutorial is based on the online manual.

<https://www.ibm.com/docs/en/ibm-mq/9.4.0?topic=api-basic-configuration-mqweb-server>

IBM MQ / 9.4

Basic configuration for the mqweb server

*** Stage 2:** After Stage 1 is successfully implemented, then the desired security method can be added. The topic on enabling security is NOT covered in this tutorial.

For more information about configuring security for the MQ Web Server, see:

<https://www.ibm.com/docs/en/ibm-mq/9.4.0?topic=mq-console-rest-api-security>

IBM MQ / 9.4

IBM MQ Console and REST API security

The remote queue managers in this tutorial have reduced security on the authentication of the connectivity. For testing purposes, disable connauth and chlauth to make things easier.

```
runmqsc QMgrName
  alter qmgr chlauth(disabled) connauth("")
  refresh security type(connauth)
```

The chapters are:

Chapter 1: Basic configuration for the mqweb server

Chapter 2: Quick test of the MQ Web Console

Chapter 3: Quick test of the REST API (Moved to another Tutorial)

<https://www.ibm.com/support/pages/node/6208006>

Using the MQ 9.1.5 CD REST API in Linux with no security (for Testing environments)

Chapter 4: Add a remote queue manager for the MQ Console

++ Quick summary of commands

+ Start the MQ Web Server (which starts the MQ Web Console and MQ REST API)

`strmqweb`

+ Display the URIs and Ports used by the MQ Web Console and MQ REST API

`dspmweb`

MQWB1124I: Server 'mqweb' is running.

URLS:

`https://lannion1:9443/ibmmq/rest/`

`http://lannion1:9080/ibmmq/rest/`

`https://lannion1:9443/ibmmq/console/`

`http://lannion1:9080/ibmmq/console/`

+ Stop the MQ Web Server

`endmqweb`

+ Quick curl commands to check that the MQ REST API is going fine.

`curl -s -k "https://localhost:9443/ibmmq/rest/v2/admin/installation" -X GET`

`curl -s -k "https://localhost:9443/ibmmq/rest/v1/admin/qmgr" -X GET`

++ Related articles:

+ Useful for MQ Administrators

<https://www.ibm.com/support/pages/node/6208289>

MQ Web Server and Web Console: Technical and Troubleshooting Notes

.

To provide a good starting point for MQ Administrators to learn more about the new feature:

- Web Server

- Web Console

.

The chapters are:

Chapter 1: Overview (FAQs, history, references)

Chapter 2: Installation (effects on /opt/mqm)

Chapter 3: Setup and configuration (effects on /var/mqm and queue managers)

Chapter 4: Diagnostics review and what doc to gather (runmqras)

Chapter 5: Common errors and how to resolve them

++ Video in YouTube with a quick introduction to the capabilities of the MQ Web Console

It also shows how to add a widget.

https://www.youtube.com/watch?v=gp_ep-xYWfU

IBM MQ Console | Control your entire messaging architecture from your web browser

IBM Developer, Mar 18, 2021

+++ Configuration

+ Linux RHEL 9.4 (hostname: lannion1)

MQ 9.4.2 CD in Installation1 in /opt/mqm

Queue Manager: QMGR2 (port 1415)

Queue Manager: QMDEMO (port 1425)

Queue Manager: QMLAN (port 1416) => To be created via the Web Console

+ Windows 11 (hostname: finestra941)

MQ 9.4.2 CD in Installation1 in C:\Program Files\IBM\MQ

Queue Manager: QMGR1 (port 1414)

```
+++++
+++ Chapter 1: Basic configuration for the mqweb server
+++++
```

The procedure described in this tutorial is based on the online manual.

<https://www.ibm.com/docs/en/ibm-mq/9.4.0?topic=api-basic-configuration-mqweb-server>
IBM MQ / 9.4
Basic configuration for the mqweb server

Here are the details.

++ Step A: Install the IBM MQ Console and REST API component.

+ Linux:

As user root you need to install the following rpm fileset:

MQSeriesWeb-*.x86_64.rpm

Such as:

MQSeriesWeb-9.4.2-0.x86_64.rpm

For a tutorial on installing MQ 9.4 in Linux, please see:

<https://www.ibm.com/support/pages/node/7159745>
Installing and uninstalling IBM MQ 9.4 in Linux RHEL

After the installation, you can do the following query to confirm that the fileset was installed:

```
+++ROOT+++ lannion1: /
# rpm -qa | grep MQSeriesWeb
MQSeriesWeb-9.4.2-0.x86_64
```

+ Windows:

As a Windows Administrator you need to install the following component:
Web Administration

For a tutorial on installing MQ 9.4 in Windows, please see:

<https://www.ibm.com/support/pages/node/7157973>
Installing and uninstalling IBM MQ 9.4 in Windows

++ Step B: Copy the file no_security.xml

The manual provides instructions on copying/replacing an xml file with basic security. However, in this tutorial we are not using security for the MQ Web Console, therefore we will use another source xml file:

no_security.xml

+ Linux:

Login as user "mqm" and issue setmqenv for the desired MQ installation:

```
mqm@lannion1: /home/mqm
source /opt/mqm/bin/setmqenv -n Installation1
```

List the xml files that were automatically installed under /var/mqm/web
When you install the MQ Web Server component, the installer will create subdirectories under /var/mqm and store some xml files.

Because we are using Installation1, then the full directory for this tutorial is:
/var/mqm/web/installations/Installation1/servers/mqweb

Let's go into that directory:

```
mqm@lannion1: /home/mqm
$ cd /var/mqm/web/installations/Installation1/servers/mqweb
```

```
mqm@lannion1: /var/mqm/web/installations/Installation1/servers/mqweb
$ ls -l *.xml
-rw-rw---- 1 mqm mqm 875 Aug 20 2024 mqwebuser.xml
-rw-r----- 1 mqm mqm 589 Aug 20 2024 server.xml
```

Make a backup of original file mqwebuser.xml.

The -p flag keeps the date-time stamp the same as the original file:

```
$ cp -p mqwebuser.xml mqwebuser.original.xml
```

Copy the sample no_security.xml file from the directory:

MQ_INSTALLATION_PATH/web/mq/samp/configuration

... and rename it to mqwebuser.xml

In our case, MQ_INSTALLATION_PATH is /opt/mqm, thus, the expanded command is:

```
$ cp /opt/mqm/web/mq/samp/configuration/no_security.xml mqwebuser.xml
cp: overwrite 'mqwebuser.xml'? y
```

+ Windows

Login as an MQ administrator and issue setmqenv:

```
C:\> "C:\Program Files\IBM\MQ\bin\setmqenv" -n Installation1
```

Notice that the Installation Name is Installation1:

```
C:\> set MQ:
```

```
MQ_DATA_PATH=C:\ProgramData\IBM\MQ
```

```
MQ_INSTALLATION_NAME=Installation1
```

```
MQ_INSTALLATION_PATH=C:\Program Files\IBM\MQ
```

List the xml files that were automatically installed under C:\ProgramData\IBM\MQ\web
When you install the MQ Web Server component, the installer will create subdirectories
under C:\ProgramData\IBM\MQ and store some xml files.

```
C:\> cd C:\ProgramData\IBM\MQ\web\installations\Installation1\servers\mqweb
```

```
C:\ProgramData\IBM\MQ\web\installations\Installation1\servers\mqweb> dir *.xml
```

```
06/05/2024  01:00 AM                905 mqwebuser.xml
```

```
06/05/2024  01:00 AM                612 server.xml
```

Make a backup of mqwebuser.xml

```
copy mqwebuser.xml mqwebuser.xml.original
```

Copy the sample no_security.xml file from the directory
MQ_INSTALLATION_PATH/web/mq/samp/configuration
... as mqwebuser.xml (you will need to overwrite it)

```
copy "C:\Program Files\IBM\MQ\web\mq\samp\configuration\no_security.xml" mqwebuser.xml
```

```
Overwrite mqwebuser.xml? (Yes/No/All): y
```

++ Step C: Enable remote connections to the mqweb server

By default, REST API and IBM MQ Console are available only from the same host as the mqweb server. Enable remote connections to the mqweb server by entering the following command.

Use an asterisk, *, in double quotation marks, to specify all available network interfaces, as shown in the following example:

```
setmqweb properties -k httpHost -v ""
```

Note:

The setmqweb command is very simple and just adds an entry at the BOTTOM of the file. It does not check if the variable has been defined already but commented out.

+ Linux:

```
mqm@lannion1: /home/mqm
```

```
$ setmqweb properties -k httpHost -v ""
```

```
MQWB1100I: The 'setmqweb' command completed successfully.
```

Review settings:

```
$ view /var/mqm/web/installations/Installation1/servers/mqweb/mqwebuser.xml
```

Ensure that the following property is added at the BOTTOM of the file:

```
<variable name="httpHost" value=""/>
```

+ Windows

```
C:\ProgramData\IBM\MQ\web\installations\Installation1\servers\mqweb>
```

```
setmqweb properties -k httpHost -v ""
```

```
MQWB1100I: The 'setmqweb' command completed successfully.
```

```
C:\ProgramData\IBM\MQ\web\installations\Installation1\servers\mqweb>
```

```
notepad mqwebuser.xml
```

Ensure that the following property is added at the BOTTOM of the file:

```
<variable name="httpHost" value=""/>
```

++ Step D: Start the mqweb server.

Start the mqweb server that supports the REST API and IBM MQ Console:
strmqweb

Note:

In the test systems for this tutorial, the strmqweb command took a while to complete (around 1 minute).

+ Linux:

Start the web server: strmqweb

mqm@lannion1: /home/mqm

\$ strmqweb

Starting server mqweb.

Server mqweb started with process ID 128174.

Notice that the Linux command “ps -ef” will show a new process for the program “mqweb” (the last token in the long string):

\$ ps -ef | grep -i mqweb

```
mqm      128174      1 66 08:49 pts/0    00:00:45 /opt/mqm/java/jre64/jre/bin/java -
javaagent:/opt/mqm/web/bin/tools/ws-javaagent.jar -Djava.awt.headless=true -
Djdk.attach.allowAttachSelf=true -Djdk.tls.ephemeralDHKeySize=2048 -
Djdk.tls.disabledAlgorithms=SSLv3, TLSv1, TLSv1.1, RC4, MD5withRSA, DH keySize < 768,
3DES_EDE_CBC, DESede, EC keySize < 224, SHA1 jdkCA & usage TLSServer -
Dclient.encoding.override=UTF-8 -Dfile.encoding=UTF-8 -Dcom.ibm.jsse2.renegotiate=DISABLED -
Dcom.ibm.msg.client.suppressExceptionListenerLogging=true -jar /opt/mqm/web/bin/tools/ws-
server.jar mqweb
```

Display the status: dspmqweb

\$ dspmqweb

MQWB1124I: Server 'mqweb' is running.

URLS:

```
https://9.46.109.87:9443/ibmmq/rest/
http://9.46.109.87:9080/ibmmq/rest/
https://9.46.109.87:9443/ibmmq/console/
http://9.46.109.87:9080/ibmmq/console/
```

Note: You can stop the mqweb server at any time by using the command: endmqweb
For the rest of the tutorial we want the web server to be running.
But for illustration purposes, let's include what happens when using endmqweb

\$ **endmqweb**

Stopping server mqweb.
Server mqweb stopped.

\$ **dspmqweb**

MQWB1125I: Server 'mqweb' is not running.

+ Windows

Start the web server: strmqweb

C:\> **strmqweb**

Starting server mqweb.
Server mqweb started.

Display the status: dspmqweb

C:\> **dspmqweb**

MQWB1124I: Server 'mqweb' is running.

URLS:

<http://10.21.111.209:9080/ibmmq/rest/>
<http://10.21.111.209:9080/ibmmq/console/>

Note: You can stop the mqweb server at any time by using the command: endmqweb
For the rest of the tutorial we want the web server to be running.
But for illustration purposes, let's include what happens when using endmqweb

C:\> **endmqweb**

Stopping server mqweb.
Server mqweb stopped.

C:\> **dspmqweb**

MQWB1125I: Server 'mqweb' is not running.

+++++ Chapter 2: Quick test of the MQ Web Console
+++++

++ A common question from customers is:

Could I use a single MQ Web Console (for example, in host-a) and monitor/manage all the queue managers across different installations in the same host and in remote hosts?

The answer for MQ 9.2.3 and later: Yes! (See new Chapter 4 in this tutorial)

++ Connect to the IBM MQ Console by entering the following URL in a browser:

+ Linux: For the mqweb server in Linux

Enter the following URL into a web browser:

<http://lannion1:9080/ibmmq/console/>

Remember that for this tutorial, we did not activate security and we allowed access from any host.

This setting is NOT recommended for your PRODUCTION environments, but it might be suitable for some type of Testing environments.

Again, the idea is to have a “proof of concept” and ensure that the foundations are properly established. Then, later on you can enable the type of security that you want.

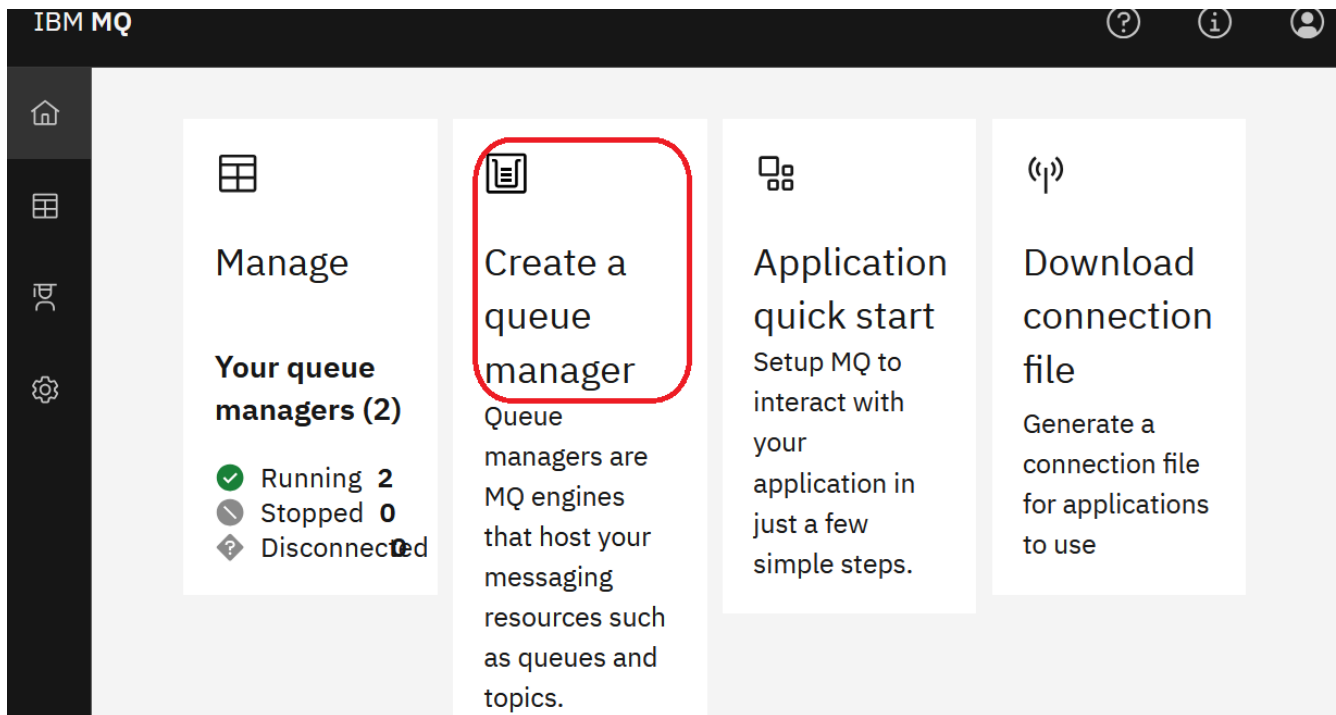
Normally, when the security is enabled, the MQ Web Console will show you a dialog box where you have to enter a userid and password.

But because no security is being used in this tutorial, that dialog box will not appear.

Here is a snapshot of what we get.



Scroll down and you can create a new queue manager:



Follow the prompts and eventually you can create a new queue manager called QMLAN with port 1416.

Create a queue manager

Name

QMLAN

Port

1416

If entered, opens the specified port on the queue manager to allow applications to connect over the network.

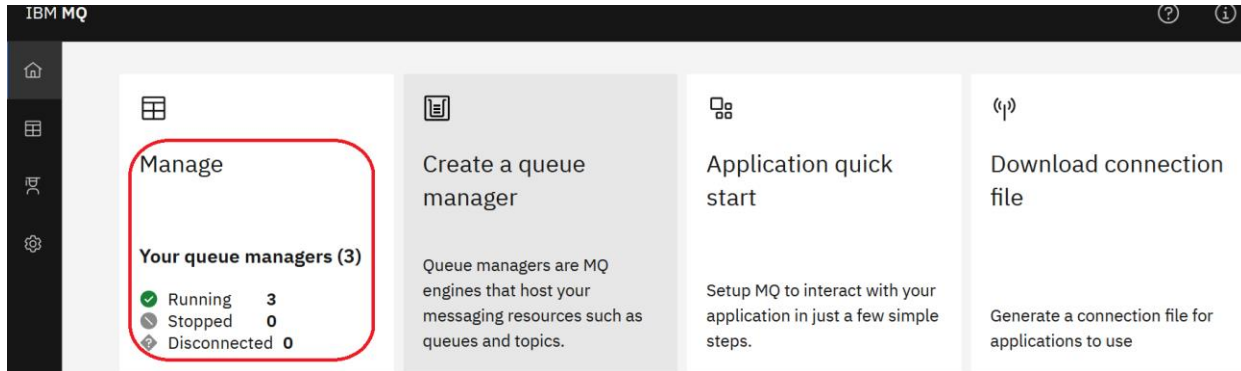
Cancel

Create

The queue manager will be created and started.

Click on the first box:

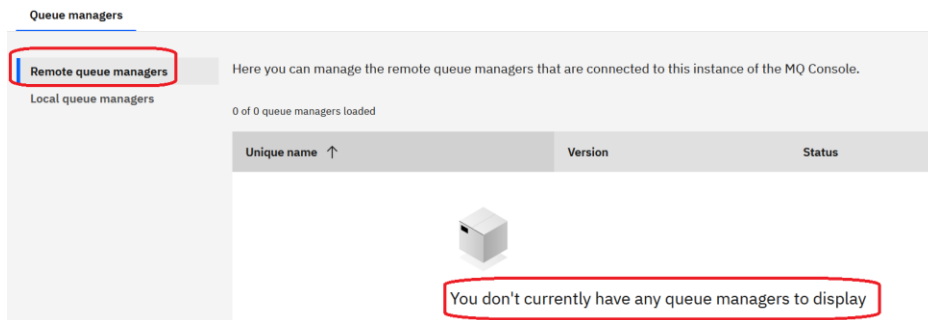
Manage



The default is to show you the remote queue managers, but at this time we do not have any and thus, the following is displayed:

You don't currently have any queue managers to display

Manage

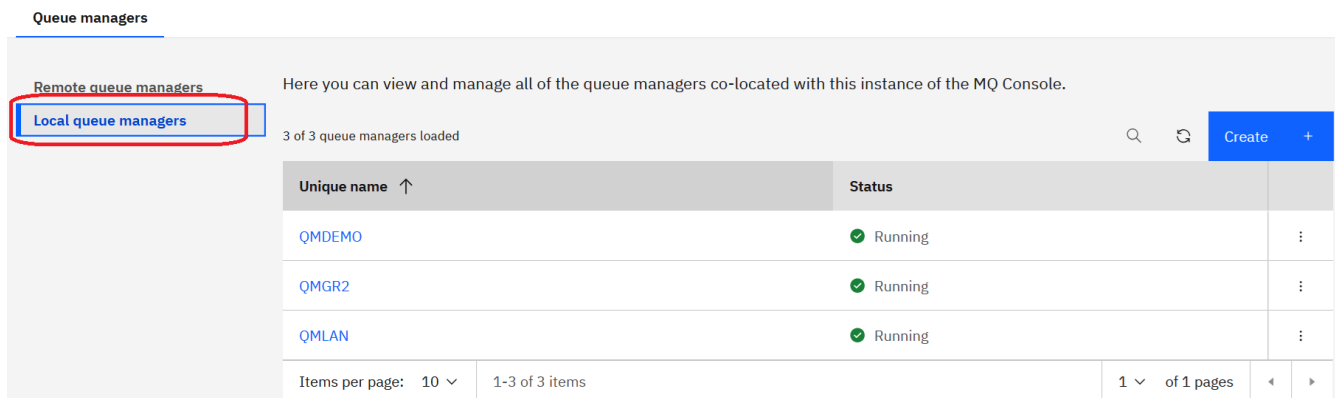


Click on:

Local queue managers

You will see that we have 3:

Manage



Let's login into the Linux host as an MQ administrator and let's confirm.

```
mqm@lannion1: /home/mqm
```

```
$ dspmq
```

```
mqm@lannion1.fyre.ibm.com: /home/mqm
```

```
$ dspmq
```

```
QMNAME (QMGR2)
```

```
STATUS (Running)
```

```
QMNAME (QMDEMO)
```

```
STATUS (Running)
```

```
QMNAME (QMLAN)
```

```
STATUS (Running)
```

+ Windows: For the mqweb server in Windows

<http://10.21.111.209:9080/ibmmq/console/>

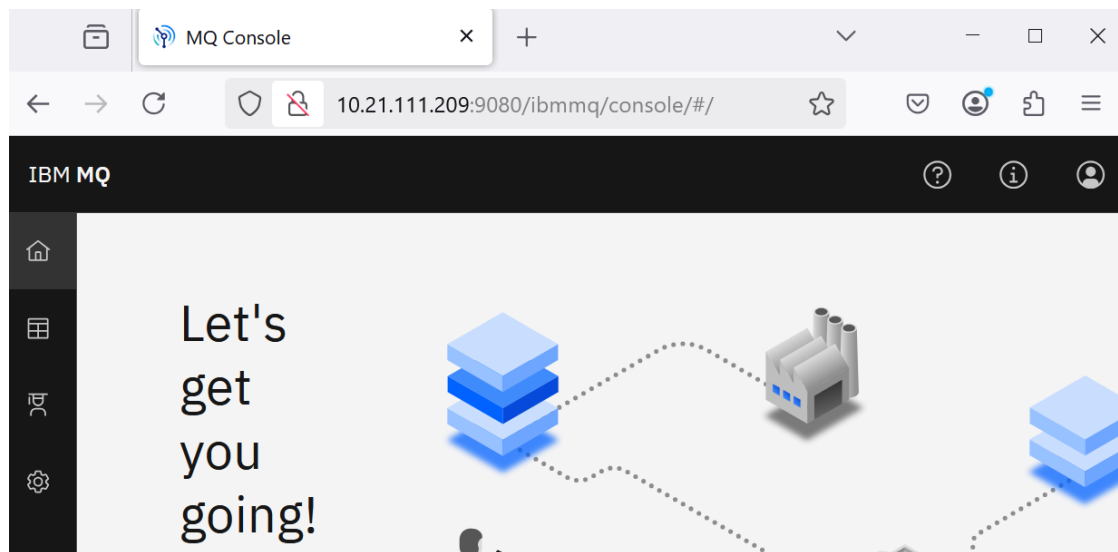
Remember that for this tutorial, we did not activate security and we allowed access from any host.

This setting is NOT recommended for your PRODUCTION environments, but it might be suitable for some type of Testing environments.

Again, the idea is to have a “proof of concept” and ensure that the foundations are properly established. Then, later on you can enable the type of security that you want.

Normally, when the security is enabled, the MQ Web Console will show you a dialog box where you have to enter a userid and password.

But because no security is being used in this tutorial, that dialog box will not appear.



The behavior of the MQ Web Console in Windows is the same as the MQ Web Console in Linux.

For more details on the screens for the MQ Web Console in Windows see the previous pages that show screens for the MQ Web Console in Linux.

++ Browsing messages

The MQ Web Console is different than the MQ Explorer in many respects. The MQ Web Console is NOT intended to be a full replacement for the MQ Explorer (which has more features and capabilities).

One difference is the browsing of messages:

The MQ Explorer can show, in addition of the certain amount of the message payload itself, more details from the Message Descriptor (user name, application name, message id, etc). You can also customize how much data from the payload you want to browse.

Select to see the Queues, then for the desired Queue select "View messages"

IBM MQ

Manage / Queue manager: QMGR2

View configuration

Overview **Queues** Events Applications MQ network

Unix 9.4.2.0

Create +

Name	Type	Depth %	Maximum depth	Current connections	Attached apps	Last put	Last get	
Q1	Local	0%	7,5000	Input 0, Output 0	-	-	-	⋮
Q1_QMGR1	Remote	-	-	-	-	-	-	View messages Create message

You will see the list of messages for that queue:

Manage / QMGR2 / Queues / Local Queue: Q1 messages

Actions

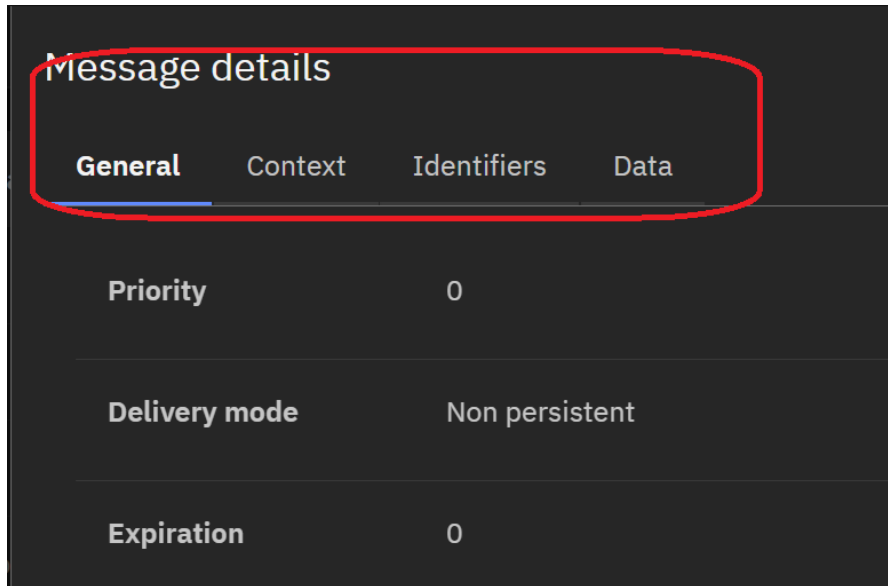
Create +

Timestamp ↓	Application ID	User ID	Application data	
Mar 25, 2025 at 7:41:59 AM	blastc	mqm	That's all Folks!...	ⓘ
Mar 25, 2025 at 7:41:52 AM	blastc	mqm	That's all Folks!...	ⓘ
Mar 25, 2025 at 7:41:42 AM	blastc	mqm		
Mar 25, 2025 at 7:41:28 AM	amqspuc	mqm		
Mar 25, 2025 at 7:39:26 AM	blast	mqm	That's all Folks!...	ⓘ

This message was truncated by the MQ Console. The mqweb server configuration on determines how message data is handled.

Click on the desired message (1st column in the table)

Then you can see more details:



++ Using the Web Console to show Multi-instance queue managers in Linux

Because of the limitation that the MQ Web Console can only show local queue managers and which have the same Installation Name, then you need to do the same customization for the mqweb server in BOTH hosts that are used in a Multi-instance queue manager.

There is no equivalent to a `connectionNameList` when accessing the Web Console for Multi-Instance queue managers.

- That is, there is no automatic reconnection from the Web Browser to deal with the failover or switchover and move the URL from host-1 to host-2

- It might be possible to use a floating IP address to isolate the Web Console for knowing the actual running host.

This section shows the behavior when using 2 hosts:

box1.fyre.ibm.com

noon1.fyre.ibm.com

Multi-instance queue manager name: QMMI1

+ Host1: box1 (Active)

mqm@box1.fyre.ibm.com: /home/mqm

\$ dspmq -x -m QMMI1

QMNAME(QMMI1)

STATUS(Running)

INSTANCE(box1.fyre.ibm.com) MODE(Active)

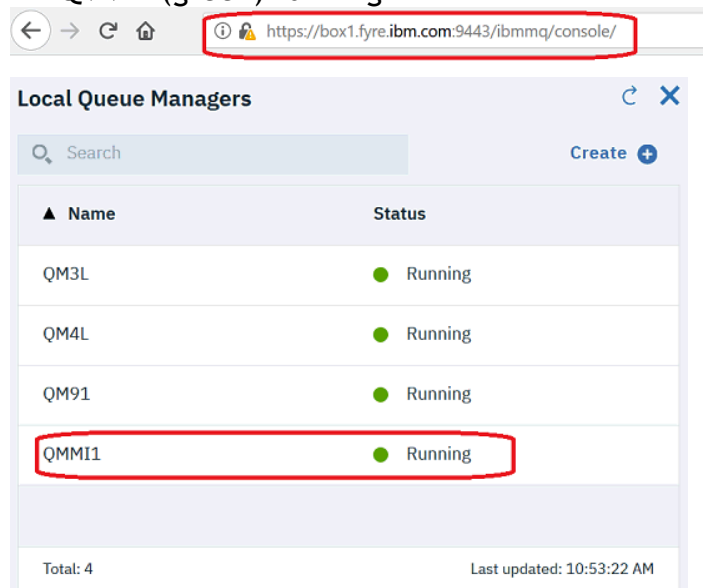
INSTANCE(noon1.fyre.ibm.com) MODE(Standby)

WebConsole for Host1:

<https://box1.fyre.ibm.com:9443/ibmmq/console/>

Notice that this is the host for the Active. The entry in the table only shows "running" (it does not tell us about the Standby)

QMMI1 (green) running



Local Queue Managers

Search Create +

Name	Status
QM3L	Running
QM4L	Running
QM91	Running
QMMI1	Running

Total: 4 Last updated: 10:53:22 AM

+ Host2: noon1 (Standby)

mqm@noon1.fyre.ibm.com: /home/mqm

(317) dspmq -x -m QMMI1

QMNAME(QMMI1)

STATUS(Running as

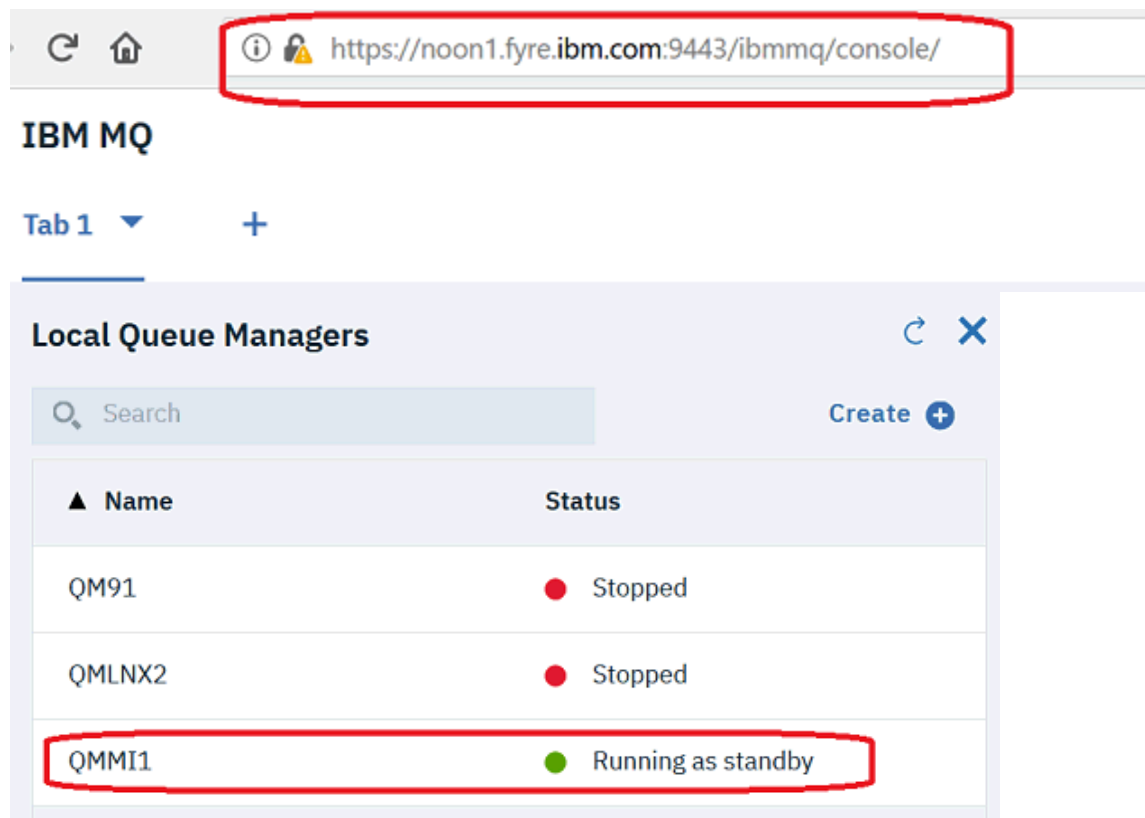
standby)

INSTANCE(box1.fyre.ibm.com) MODE(Active)

INSTANCE(noon1.fyre.ibm.com) MODE(Standby)

WebConsole for Host2:

Notice that this is the host for the Standby. The entry in the table shows ""
QMMI1 (green) Running as standby



The screenshot displays the IBM MQ Web Console interface. The browser's address bar shows the URL `https://noon1.fyre.ibm.com:9443/ibmmq/console/`. Below the header, there is a search bar and a 'Create' button. The main content area is titled 'Local Queue Managers' and contains a table with the following data:

Name	Status
QM91	Stopped
QMLNX2	Stopped
QMMI1	Running as standby

The row for QMMI1 is highlighted with a red box, indicating its status as 'Running as standby'.

```

+++++
+++ Chapter 3: Quick test of the REST API (Moved to another Tutorial)
+++++

```

The original edition of this tutorial included a comprehensive chapter on testing the MQ REST API, which uses the same MQ Web Server as the MQ Web Console.

However, the examples and the comments began to grow, and it was decided that this chapter should become a separate tutorial:

<https://www.ibm.com/support/pages/node/6208006>

Using the MQ 9.1.5 CD REST API in Linux with no security (for Testing environments)

However, provided that you have the utility "curl" installed in your system, you can issue a couple of commands to do a quick test of the MQ REST API:

```

C:\> curl -s -k "https://lannion1.fyre.ibm.com:9443/ibmmq/rest/v2/admin/installation" -X GET
{"installation": [{
  "name": "Installation1",
  "version": "9.4.2.0",
  "platform": "unix"
}]}

```

```

C:\> curl -s -k "https://lannion1.fyre.ibm.com:9443/ibmmq/rest/v1/admin/qmgr" -X GET
{"qmgr": [
  {
    "name": "QMGR2",
    "state": "running"
  },
  {
    "name": "QMDEMO",
    "state": "running"
  },
  {
    "name": "QMLAN",
    "state": "running"
  }
]}

```

+++++ Chapter 4: Add a remote queue manager for the MQ Console
+++++

++ Reference:

The following tutorial has more details on all the ways to add a remote queue manager into the MQ Web Console:

<https://www.ibm.com/support/pages/node/7145530>

Installing and configuring standalone IBM MQ Web Server, Web Console and messaging REST API, 9.3.5 CD in Linux (with no security, for Testing environments)

-
- Chapter 3: Enabling the MQ Web Console to access remote queue managers
 - a) Using the MQ Web Console and specifying "Manual entry" (the easiest way)
 - b) Using the MQ Web Console and specifying a CCDT in JSON
 - c) Using the line command "setmqweb" and using a CCDT in JSON

+ Testing Suggestion: reduce security on authentication of remote queue manager

The remote queue managers in this tutorial have reduced security on the authentication of the connectivity. For testing purposes, disable connauth and chlauth to make things easier.

```
runmqsc QMgrName
  alter qmgr chlauth(disabled) connauth("")
  refresh security type(connauth)
```

+ Allow remote queue manager connections to be added by using the MQ Web Console

By default, you are NOT allowed to specify a new remote queue manager via the Web Console.

For testing environments, it is easier to use the MQ Web Console to add remote queue managers. The enablement of this attribute will allow you to see a blue box "Connect" under "Manage / Queue managers" and specify the connection details.

To enable this feature, as an MQ Administrator, enter the following command in the host that has the MQ Web Server:

```
mqm@lannion1.fyre.ibm.com:
$ setmqweb properties -k mqConsoleRemoteUIAdmin -v true
```

The above command will add one line to the mqwebuser.xml file, before the last line
</server>

mqm@lannion1.fyre.ibm.com:

```
$ cd /var/mqm/web/installations/Installation1/servers/mqweb
```

```
$ tail -2 mqwebuser.xml
```

```
    <variable name="mqConsoleRemoteUIAdmin" value="true"/>
</server>
```

Restart the MQ Web Server

```
$ endmqweb
```

Stopping server mqweb.

Server mqweb stopped.

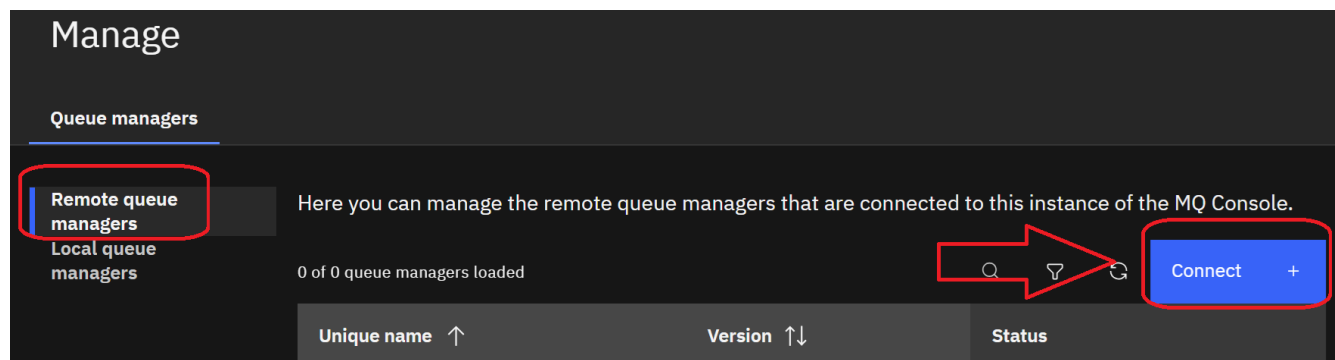
```
$ strmqweb
```

Starting server mqweb.

Server mqweb started with process ID 159378.

Reload the MQ Web Console in the browser.

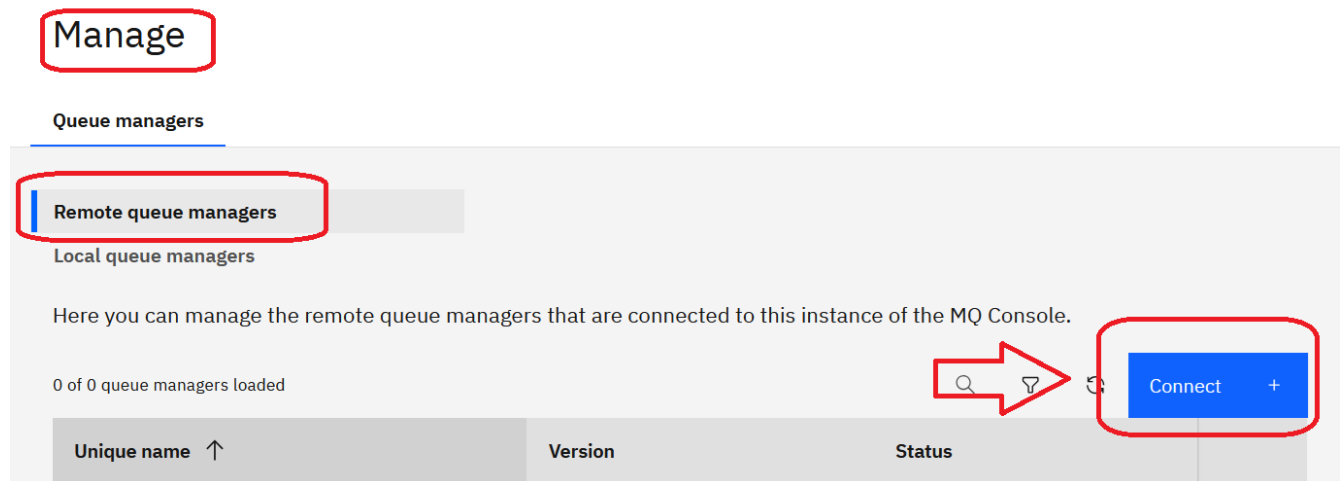
Now you should see under the "Manage" and "Remote queue managers" the "Connect" button:



++ Adding a remote queue manager by using the MQ Web Console and specifying "Manual entry" (the easiest way)

Let's use the MQ Web Console to add a remote queue manager

Under "Manage / Queue managers" then "Remote queue manager", then click on the blue box "Connect" (on the right side)



In the Connect dialog you need to provide the following information:

Name of the remote queue manager, such as:

QM94ROC

Connect remote queue manager

Add a remote queue manager connection to use with the web console

Details

In this step you need to define a queue manager name and some core connectivity details.

Queue manager name

QM94ROC

Remote queue manager connections on this Web Console require a unique name to enable you to differentiate between those that share the same queue manager name.

Unique name

remote-QM94ROC

Notice that a new field will be automatically added with the prefix word "remote-"

Such as:

remote-QM94ROC

... which is useful as an "eye-catcher" to quickly tell you that this is a remote queue manager and not a local one.

Scroll down and click on:
Manual Entry

Then specify the server-connection channel name:
SYSTEM.ADMIN.SVRCONN

The screenshot shows the 'Connection details' section of a configuration interface. On the left, there is a sidebar with three options: 'User Optional', 'Certificate Optional', and 'Summary'. The main area has two buttons: 'Connect using a JSON CCDT' and 'Manual entry'. The 'Manual entry' button is highlighted with a red box. Below the buttons, there is a 'Channel name' field, also highlighted with a red box, which contains the text 'SYSTEM.ADMIN.SVRCONN'.

Scroll down and enter the host name, such as:

rochefort1.fyre.ibm.com

... and port number, such as:

1414

... then click on the button:

Add

The screenshot shows the 'Details' section of a configuration interface. On the left, there is a sidebar with four options: 'Details' (selected), 'User Optional', 'Certificate Optional', and 'Summary'. The main area has a title 'SYSTEM.ADMIN.SVRCONN' and a paragraph of text: 'The host name and port number where MQ is running has been automatically detected. If you are using a router, load balancer, etc, you may need to add their host name and port number to the following list in order for your application to connect successfully.' Below this text, there is a table with two columns: 'Host name' and 'Port'. The 'Host name' field contains 's.ibm.com' and the 'Port' field contains '1414'. To the right of the 'Port' field is a blue 'Add' button with a plus sign. The 'Add' button is highlighted with a red box. A red arrow points from the 'Add' button to the 'Host name' field. Below the table, there is a section titled 'Select existing hosts to include in connection file' with a dashed box and the text 'You haven't added any yet...'.

You will see the following entry:

balancer, etc, you may need to add their host name and port number to the following list in order for your application to connect successfully.

Host name	Port
Enter host	0 - +

Select existing hosts to include in connection file

Host name	Port	
rochefort1.fyre.ibm.com	1414	☒

Keep entering any additional data if you wish.

Eventually you will reach the Summary page.

If satisfied with the data, click:

Connect

Add a remote queue manager connection to use with the web console

Summary

Here you can check over the settings you have selected and easily jump back to a specific entry field if you would like to make any modifications.

Queue manager name QM94ROC	User ID -
Unique name remote-QM94ROC	SSL cipher spec -
Channel name SYSTEM.ADMIN.SVRCONN	Mutual TLS Not selected
Host rochefort1.fyre.ibm.com	Visibility Web console only ⓘ
Port 1414	

Cancel Back Connect

You will see a new entry in the list of "remote queue managers"

Manage

Queue managers

Remote queue managers

Local queue managers

Here you can manage the remote queue managers that are connected to this instance of the MQ Console.

1 of 1 queue managers loaded

Unique name ↑	Version	Status
remote-QM94ROC	-	Disconnected

Items per page: 10 1-1 of 1 items 1 of 1 pages

You may need to "refresh" the entry in order to show the updated connected/disconnected status:

Remote queue managers

Local queue managers

Here you can manage the remote queue managers that are connected to this instance of the MQ Console.

1 of 1 queue managers loaded

Unique name ↑	Version	Status
remote-QM94ROC	9.4.0.7	Running

Items per page: 10 1-1 of 1 items 1 of 1 pages

Connection settings

Refresh

Click on the entry for the remote queue manager and you will see:

Manage / Queue manager: remote-QM94ROC

View configuration

Overview Queues Events Applications MQ network

Unix 9.4.0.7

Last Updated: a few seconds ago

CPU 0.01% Memory 0.08% Storage 21.56 GB

Active queues 3 2 queues with messages 1 queue open for work	Connected queue managers 0 0 running channels 1 problem channel	Connected applications 0 3 running channels 0 MQ connections	Messages in the last minute 153 317.32 KB in 225.96 KB out
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+++ end +++