

Health-check tips for IBM MQ

<https://www.ibm.com/support/pages/node/6966692>

Date last updated: 28-Mar-2023

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<https://www.ibm.com/products/mq/support>

Find all the support you need for IBM MQ

+++ Question +++

You would like to perform some "health check" monitoring activities for IBM MQ.

+++ Answer +++

The IBM MQ queue manager has internal threads/processes that perform a "health check" on different aspects of MQ.

When real or potential problems are identified by these processes, FDC files will be generated.

However, the IBM MQ product does not have scripts or commands that are dedicated for doing a "health check" and customizable by the MQ Administrator.

The rest of this section has some references that might be useful to you.

a) The following non-IBM product was developed by Morag Hughson and Paul Clarke (ex-MQ-developers) and provides facilities for monitoring and administering MQ queue managers. DISCLAIMER: IBM MQ Support is NOT endorsing the tools in the list. This list is just for your information.

<http://www.mqgem.com/mo71.html>

MO71 GUI Administrator and Configuration Tool

The name "MO71" is in reference to a former MQ SupportPac (which is no longer available as a SupportPac downloadable from IBM).

For some scenarios addressed by this tool, see:

<https://mqgem.wordpress.com/2017/05/17/mini-health-check-for-your-qmgr/>

Mini-Health Check for your Queue Manager (2017)

b) Article: Health check of IBM MQ MFT

<https://community.ibm.com/community/user/integration/blogs/manisha-kohli/2022/07/15/health-check-of-ibm-mq-mft>

Health check of IBM MQ MFT

By Manisha Kohli posted 15-Jul-2022

c) The following articles are a bit old, but still relevant:

https://www.mqtechconference.com/sessions_v2014/KeepingChls.pdf
Keeping MQ Channels Up and Running, Paul Clarke (2014)

<https://www.ibm.com/support/pages/ibm-mq-clustering-best-practices>
IBM MQ Clustering best practices

d) MQ Explorer - health check for "object definitions" - it is NOT really for real time monitoring of queue depths, channel status, etc.

<https://www.ibm.com/docs/en/ibm-mq/9.3?topic=explorer-testing-your-object-definitions-problems>

IBM MQ > IBM MQ 9.3.x > IBM MQ Explorer > Configuring IBM MQ using MQ Explorer > Testing your object definitions for problems

You can use the MQ Explorer tests to check your object definitions for errors and potential problems.

IBM MQ supplied tests

Tests that you can use to check your IBM® MQ object definitions for problems are supplied with MQ Explorer.

The following categories of tests are supplied with MQ Explorer to check IBM MQ objects:

- General tests
- Cluster tests
- Queue tests
- Channel tests
- Listener tests
- Triggering tests
- TLS tests

e) Roger Lacroix from CapitalWare prepared few years ago a list of some free/shareware tools. Some links are now obsolete.

DISCLAIMER: IBM MQ Support is NOT endorsing the tools in the list. This list is just for your information.

https://www.capitalware.com/mq_tools.html

IBM MQ Free / Shareware Tools

Message Editors / Browsers

Message Management

MQ Administration

MQ Monitoring

MQ File Transfer

MQ Log Handling

MQ Backup

MQ SSL / MQ Security

e) ITCAM is very heavy duty, very comprehensive, but difficult to install and use. You can exploit the MQ Monitoring features. For more details see the presentation in PDF/MP3.

Even though the following presentation concentrates on the use of ITCAM, there are some examples on how to perform basic monitoring that does not require ITCAM.

<https://www.ibm.com/support/pages/node/607821>

Using ITCAM to monitor MQ queue managers in Linux and Windows

This WebSphere Support Technical Exchange is designed to present an introduction on basic installation of IBM Tivoli Monitoring (ITM) and IBM Tivoli Composite Application Manager (ITCAM) Agents for WebSphere Messaging to monitor MQ queue managers in Linux and Windows.

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