

MQ Port Scan Installation and Operation Manual



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1 Introduction

1.1 Overview

MQ Port Scan (MQPS) application will scan a range of ports for a given server looking for a queue manager's MCA, using the standard (system default) channel names, in order to make a successful connection.

MQ Port Scan very easy to use. When a user inputs a hostname or an IP Address, MQ Port Scan will scan a range of ports looking for a queue manager's MCA, using the standard (system default) channel names, in order to make a successful connection.

MQ Port Scan has the ability to search across a range of IP addresses and scan the port range for each IP address.

Anytime MQ Port Scan successfully connects to a queue manager, the information is written to a CSV (Comma-Separated-Value) file. The output will include the queue manager name, MQ version, channel name, hostname or an IP Address and port number.

1.2 Executive Summary

The major features of MQ Port Scan are as follows:

- Search a range a of ports of a server and/or IP address
- Search a range a of ports of a range of IP addresses
- Provides complete logging capability
- Licensed under Apache License 2
- Free to use but support is not included

1.3 Prerequisites

This section provides the minimum supported software levels.

1.3.1 Java

MQ Port Scan requires Java v1.4 or higher.

1.3.2 WebSphere MQ

- WebSphere MQ v5.3, v6.0 or v7.0

2 Installing MQ Port Scan

This section describes how to install Capitalware's MQ Port Scan.

2.1 Windows Installation

To install MQ Port Scan on Windows, unzip the **mqps.zip** to the user's C: drive.

```
unzip mqps.zip
```

2.2 Unix and Linux Installation

To install MQ Port Scan on Unix or Linux, unzip the **mqps.zip** to an appropriate directory

Steps to install MQ Port Scan:

1. ftp or copy the selected mqps.zip file to the target platform
2. Unzip the mqps.zip
unzip mqps.zip
3. Change directory to *Capitalware/MQPortScan/*
4. Next, do the following command:
chmod +x *.sh

3 Running MQ Port Scan

This section describes how to invoke MQ Port Scan. MQ Port Scan component will scan a range of ports for a given server looking for a queue manager's MCA, using the standard (system default) channel names, in order to make a successful connection.

3.1 Syntax

```
MQPortScan -h hostname [-s Starting_PortNumber] [-e Ending_Port_Number]
```

3.2 Parameters

The following are the parameters for MQ Port Scan:

Key	Parameter	Req'd	Description
-h	hostname	Y	Hostname or IP address of the remote server
-s	start###	N	Starting port number
-e	end###	N	Ending port number

3.3 Examples

3.3.1 Windows

```
MQPortScan.bat -h server01
MQPortScan.bat -h 10.10.10.10
MQPortScan.bat -h 10.10.10.*
MQPortScan.bat -h server01 -s 1200
MQPortScan.bat -h server01 -s 1200 -e 20000
```

3.3.2 Unix and Linux

```
MQPortScan.sh -h server01
MQPortScan.sh -h 10.10.10.10
MQPortScan.sh -h 10.10.10.*
MQPortScan.sh -h server01 -s 1200
MQPortScan.sh -h server01 -s 1200 -e 20000
```

4 Appendix B – MQ Port Scan Upgrade Procedures

To upgrade an existing installation of MQ Port Scan from an older version to a newer version, do please do the following in the appropriate section below.

4.1 Windows Upgrade

- Stop all instances of MQ Port Scan.
- Backup all MQPortScan data files in the MQPortScan install directory
- Delete the MQPortScan install directory
- Unzip mqps.zip archive
- Restore the MQPortScan data files if necessary

4.2 Unix and Linux Upgrade

- Stop all instances of MQ Port Scan
- Backup all MQPortScan data files in the MQPortScan install directory
- Delete the MQPortScan install directory
- Unzip mqps.zip archive
- Restore the MQPortScan data files if necessary

5 Appendix C – Support

The support for MQ Port Scan can be found at the following location (requires a support contract):

Online Help Desk Ticketing System at
www.capitalware.com/phpst/

By email at:
support@capitalware.com

By regular mail at:

Capitalware Inc.
Attn: MQ Port Scan Support
Unit 11, 1673 Richmond Street, PMB524
London, Ontario N6G2N3
Canada

6 Appendix D – Summary of Changes

- ▶ MQ Port Scan v1.0.0
 - Initial release.

7 Appendix E – License Agreement

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Version 2.0, January 2004
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