

# *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.biz/phpst/](http://www.capitalware.biz/phpst/)

**By email at:**  
[support@capitalware.biz](mailto:support@capitalware.biz)

**By regular mail at:**

Capitalware Inc.  
Attn: MQ Port Scan Support  
1673 Richmond Street, Suite 524  
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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