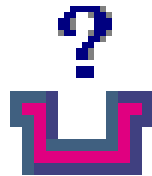


MQWhat Operation and Installation Manual



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1 Introduction

1.1 Overview

MQWhat is a great tool for documenting which MQ components are installed and active on a particular server. Since, MQ component information is contained in various files and / or outputted by MQ programs, MQWhat is designed to collect and summarize the MQ information and present the information to the user's screen in a concise manner.

On Unix / Linux, MQWhat is supplied as a Unix Shell script and on Windows, MQWhat is supplied as an executable.

2 Installing MQWhat

This section describes how to install Capitalware's MQWhat.

2.1 Windows Installation

To install MQWhat on Windows, do the following instructions:

- Run the install program called: **mqwhat-setup.exe**
- The installer follows the standard Windows install procedures and provides default values for the user.

2.2 Unix and Linux Installation

To install MQWhat on Unix or Linux, do the following:

1. ftp or copy the selected mqwhat.tar.zip file to the target platform
2. Unzip the mqwhat.tar.zip to an appropriate directory with the following command:

```
unzip mqwhat.tar.zip
```

3. Change directory to *Capitalware/MQWhat/*
4. Next, do the following command:

```
chmod +x *.sh
```

3 Starting MQWhat

This section describes the various ways that the MQWhat can be started. Currently, MQWhat via WebSphere MQ's triggering system, manually or by a scheduling package.

3.1 Windows

3.1.1 Manual Execution

MQWhat can be manually started from a Command Prompt. First change to the MQWhat directory (i.e. C:\Capitalware\MQWhat) and then type **MQWhat.exe** and then press **Enter**.

3.1.2 Scheduled Execution

MQWhat can be setup to be run under a scheduling package. (For example, Windows 2003 **Scheduled Task** service.) You may prefer to have MQWhat executed daily. Therefore, use the scheduling package's tools to setup the necessary parameters for daily execution.

3.1.3 Command-line parameters

None.

3.1.4 Sample Output

```
MQWhat v1.1.0 by Capitalware Inc.
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+-----+
| Currently Installed Version Information |
+-----+
ProductType      = Server
VRMF             = 6.0.2.7
MQServerVersion  = 6
MQServerRelease  = 0
GSKitPackaged    = GSK7
FilePath         = D:\Program Files\IBM\WebSphere MQ
Operating System = Windows XP Service Pack 3 (Build 2600)
+-----+
| Currently Installed Components |
+-----+
Local Clients    = Installed
JavaMsg         = Installed
Server          = Installed
Development Toolkit = Installed
Explorer        = Installed
+-----+
| Currently Applied Maintenance |
+-----+
Shipped = 0.0
Maint_2.7
+-----+
| Queue Managers |
+-----+
Default  QMgr Name      Status
-----
MQWT1    Running
MQWT2    Ended
+-----+
```

```
| Individual Queue Manager Information |
+-----+
Queue Manager Name: MQWT1
Default = No
Listeners:
  Name = LISTENER.TCP
  Status = RUNNING
  IP Address =
  Port = 1415
  Type = TCP
  Control = QMGR
  -----
  Name = SYSTEM.DEFAULT.LISTENER.LU62
  Status =
  Type = LU62
  Control = MANUAL
  -----
  Name = SYSTEM.DEFAULT.LISTENER.NETBIOS
  Status =
  Type = NETBIOS
  Control = MANUAL
  -----
  Name = SYSTEM.DEFAULT.LISTENER.SPX
  Status =
  Type = SPX
  Control = MANUAL
  -----
  Name = SYSTEM.DEFAULT.LISTENER.TCP
  Status =
  IP Address =
  Port = 0
  Type = TCP
  Control = MANUAL
  -----
Logging:
  LogType = CIRCULAR
  LogPrimaryFiles = 10
  LogSecondaryFiles = 15
  LogPath = D:\Program Files\IBM\WebSphere MQ\log\MQWT1\
  LogBufferPages = 0
  LogFilePages = 1024
  -----
Services:
  Name = SYSTEM.BROKER
  Status =
  Control = MANUAL
  Service Type = SERVER
  -----
  Name = SYSTEM.DEFAULT.SERVICE
  Status =
  Control = MANUAL
  Service Type = COMMAND
  -----
  Name = TESTsvc
  Status =
  Control = MANUAL
  Service Type = SERVER
  -----
  Name = XYZ
  Status =
  Control = MANUAL
  Service Type = COMMAND
  -----
Queue Manager Name: MQWT2
Default = No
Listeners:
```

Logging:

```
LogType = CIRCULAR
LogPrimaryFiles = 5
LogSecondaryFiles = 5
LogPath = D:\Program Files\IBM\WebSphere MQ\log\MQWT2\
LogBufferPages = 0
LogFilePages = 256
-----
```

Services:

3.2 Unix / Linux

3.2.1 Manual Execution

MQWhat can be manually started from a Shell Prompt. First change to the MQWhat directory (i.e. Capitalware/MQWhat) and then type ***MQWhat.sh*** and then press ***Enter***.

3.2.2 Scheduled Execution

MQWhat can be setup to be run under a scheduling package. (i.e. cron) You may prefer to have MQWhat executed daily. Therefore, use the scheduling package's tools to setup the necessary parameters for daily execution.

3.2.3 Command-line parameters

None.

3.2.4 Sample Output

```
MQWhat v1.1.0 by Capitalware Inc.
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+-----+
| Currently Installed Version Information |
+-----+
ProductType      = Server
VRMF             = 6.0.0.0
MQServerVersion  = 6
MQServerRelease  = 0
Operating System = SunOS u10-4 5.9 Generic_112233-10 sun4u sparc SUNW,Ultra-5_10
+-----+
| Currently Installed Components |
+-----+
Server           = Installed
Local Clients    = Installed
Development Toolkit = Installed
Java             = Installed
Samples          = Installed
GSK 32-bit       = Not Installed
GSK 64-bit       = Installed
+-----+
| Currently Applied Maintenance |
+-----+
Maintenance = None
+-----+
| State of Queue Managers |
+-----+
Default QMgr Name      Status
-----
MQS1                   Running
+-----+
| Individual Queue Manager Information |
+-----+
Queue Manager Name: MQS1
Default=no
Listeners:
```



```
Name=SYSTEM.DEFAULT.LISTENER.TCP
Status=
IP Address=
Port=0
Type=TCP
Control=MANUAL
-----
```

Logging:

```
LogType=CIRCULAR
LogPrimaryFiles=3
LogSecondaryFiles=2
LogPath=/var/mqm/log/MQS1/
LogBufferPages=0
LogFilePages=1024
-----
```

Services:

```
Name=SYSTEM.BROKER
Status=
Control=MANUAL
Service Type=SERVER
-----
```

```
Name=SYSTEM.DEFAULT.SERVICE
Status=
Control=MANUAL
Service Type=COMMAND
-----
```

4 Appendix A – Technical Support

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

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

By email at:
support@capitalware.biz

By regular mail at:

Capitalware Inc.
Attn: MQWhat Support
90 Morrison Crescent
Markham, Ontario Canada
L3R9K9

5 Appendix B – Summary of Changes

- MQWhat v1.2.0
 - Fixed an issue (all platforms) with periods and/or forward-slashes in the queue manager name.
- MQWhat v1.1.0
 - Created a Unix shell script to retrieve the values for Unix and/or Linux
 - Added support for retrieving Listeners information for a particular queue manager
 - Added support for retrieving Services information for a particular queue manager
 - Added support for retrieving Logging information for a particular queue manager
- MQWhat v1.0.0
 - Initial release.

6 Appendix C – License Agreement

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Version 2.0, January 2004
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