# Installing MQ 9.0 in Windows, using only the defaults

https://www.ibm.com/support/pages/node/598547

## Date last updated: 17-Apr-2020

## Angel Rivera - <u>rivera@us.ibm.com</u> IBM MQ Support

+++ Objective +++

The objective of this techdoc is to show all the steps to install MQ 9.0 on Windows, using only the defaults.

Note: The End Of Support for MQ 9.0 was announced and it is: 30-Sep-2021

The MQ components that are INSTALLED are:

- MQ Server
- MQ Explorer
- MQ Java and .NET Messaging and Web Services
- Web Administration (only in MQ 9.1)
- MQ Development Toolkit

Note:

For MQ 9.1 there is a new component (Web Administration) that is installed by default:

Extended Messaging APIs

Web Administration

This component is needed for running the MQ Web Server that is used by the MQ Web Console and MQ REST API features.

The MQ components that are NOT installed by default are:

- MQ Telemetry Service
- MQ AMQP Service
- MQ Advanced Message Security (AMS)
- MQ Managed File Transfer (MFT) Service
- MQ Managed File Transfer (MFT) Logger
- MQ Managed File Transfer (MFT) Agent
- MQ Managed File Transfer (MFT) Tools
- MQ Windows Client

The creation of a test queue manager is also illustrated.

This is Techdoc number 1 out of 3 techdocs on the matter. The other techdocs are:

http://www.ibm.com/support/docview.wss?uid=swg27050059 Installing MQ 9.0 in Windows, specifying additional components (Telemetry, AMS, MFT)

http://www.ibm.com/support/docview.wss?uid=swg27050128 Uninstalling MQ 9.0 components in Windows (example Telemetry)

++ Update on 25-Mar-2020:

For MQ 9.1 there is a new component (Web Administration) that is installed by default:

**Extended Messaging APIs** 

Web Administration

This component is needed for running the MQ Web Server that is used by the MQ Web Console and MQ REST API features.

++ Note about the licensing (Updated on 17-Apr-2020)

1) The following web page from the online manual for MQ has some information on MQ Licenses:

https://www.ibm.com/support/knowledgecenter/SSFKSJ\_9.1.0/com.ibm.mq.pro.doc/q126140\_.htm

IBM MQ 9.1.x / IBM MQ / About IBM MQ / IBM MQ license information

2) You need to have an active subscription to upgrade to newer versions of MQ. If you have questions about licenses and entitlement please consult with your IBM Sales representative.

+++++ Chapter 1: Downloading installation image from IBM Passport Advantage

+ Visit IBM Passport Advantage and download installation file

<u>http://www-01.ibm.com/support/docview.wss?uid=swg24042096</u> Downloading IBM MQ Version 9.0.0.0 from the Passport Advantage web site

Part Number: CN9GGML Description: MQ V9.0 Long Term Support Release for Windows 64-bit Multilingual

The file name to download is: IBM\_MQ\_9.0.0.0\_WINDOWS.zip +++++ Chapter 2: Installation

As a Windows Administrator download from Passport Advantage the corresponding file for MQ 9.0 for Windows. For this tutorial, the directory for storing the downloaded file is:

C:\downloads\MQ-9000

Unzip the zip file. The following subdirectory is created.

C:\downloads\MQ-9000\IBM\_MQ\_9.0.0.0\_WINDOWS

Move to that subdirectory. Noticed that there is another subdirectory:

C:\downloads\MQ-9000\IBM\_MQ\_9.0.0.0\_WINDOWS\MQServer

Move to that subdirectory.

As an Administrator, double click to execute the following command: Setup.exe

ifier	4/10/2012 1-00	DM Eile folder		
·····	IBM MQ 9.0			IEM.
rganite ▼ [	<u>W</u> elcome	Welcome to the	BIM MQ Launchpad	
r Farorites 1	<u>S</u> oftware Requirements	To install IBM MQ successfu aunchpad guides you throu	Ily you must make sure you have satisfied all the pre gh this process.	requisites. This
l ownloads	Network <u>C</u> onfiguration	Click on the left-hand button	s, described below, to prepare your system :-	
🖳 l ecent Pla	3IBM MQ Installation	Software Requirements	Identify the software you need, install it from the IBM Internet, or your local computer.	1 MQ CDROM, the
Libraries		Network Configuration	Check the suitability of your user account and author	orization.
🖡 Computer 🐔 Local Disk (( 雬 homes (\\rtj		IBM MQ Installation	Start the installation program.	
📕 Network		Installation Guide	Installation instructions.	
		Release Notes	Up-to-date information about the product.	
	Installation <u>G</u> uide			
	R <u>e</u> lease Notes			E <u>x</u> it Launchpad

The following screen capture shows the main installation window:

Perform the step 1 by clicking on "Software Requirements" on the left panel. Assuming that everything is OK, then proceed to the next step.

Perform the step 2 by clicking on "Network Configuration" on the left panel. Answer appropriately to reflect your network setup. For this tutorial the answer "No" was selected. Proceed to the next step.

Perform the step 3 by clicking on "IBM MQ Installation".

#### In the dialog window, you will need to click: "Launch IBM MQ Installer"

IBM MQ 9.0			
<u>W</u> elcome	IBM MQ Installation		
<u>S</u> oftware Requirements	Software Requirements:		
Network <u>C</u> onfiguration	All prerequisite software has been installed and is at the required level.		
IBM MQ Installation	Network Configuration Steps: No action required. The IBM MQ administration account will be created auton MQ. Select installation language.		
Installation <u>G</u> uide	Launch IBM MQ Installer		
R <u>e</u> lease Notes			

Follow the prompts.

To keep this tutorial short, only screens that need explanation will be shown.

You will see the dialog "IBM MQ 9.0 Setup" The default Setup type is: (\*) Typical



++ Starting brief side-trip ++

Well, you might be curious to see what are the "Typical" components. Just for illustration, the following dialog shows what components are installed and which are NOT installed. This dialog is reached by selecting the Setup type of "(\*) Custom"

🛃 IBM MQ V9.0 Setup	
Features Select the features you want installed	
Click on an icon in the list below to change how a feature is in:	stalled.
Server	Feature Descript
X Telemetry Service	The files you nee
AMQP Service	run queue manaç
Advanced Message Security	
📉 🗙 🚽 Managed File Transfer Service	
🗙 🚽 Managed File Transfer Logger	
Managed File Transfer Agent	
Managed File Transfer Tools	This feature requ
MQ Explorer	your nard drive.
X - Windows Client	subfeatures requ
Java and .Net Messaging and Web Services	your hard drive.
Development Toolkit	
InstallShield	
Help Space < Back	<u>N</u> ext >

As you can see above, the components that are INSTALLED are:

- MQ Server
- MQ Explorer
- MQ Java and .NET Messaging and Web Services
- MQ Development Toolkit

Correspondingly, the following components are NOT installed:

- MQ Telemetry Service
- MQ AMQP Service
- MQ Advanced Message Security (AMS)
- MQ Managed File Transfer (MFT) Service
- MQ Managed File Transfer (MFT) Logger
- MQ Managed File Transfer (MFT) Agent
- MQ Managed File Transfer (MFT) Tools
- MQ Windows Client

++ Ending brief side-trip ++

Let's resume our original trip to choose a Setup type of (\*) Typical.

After you have selected the Setup type of: (\*) Typical Click Next.

You will be taken directly to the following dialog screen (bypassing other customization ones):

Title of dialog: Ready to Install IBM MQ \*\* begin of excerpt IBM MQ Installation Summary for Computer NAME

Installation Mode: Install Installation Name: Installation1

Top-level folder for Program Files: C:\Program Files\IBM\MQ

Top-level folder for Data Files: C:\ProgramData\IBM\MQ

Folder for Log Files: C:\ProgramData\IBM\MQ\log\

Program Folder: IBM MQ

Features to Install: Server MQ Explorer Java and .NET Messaging and Web Services Development Toolkit

\*\* end of excerpt

Continue with the prompts. The installation of the files will take place and this task takes a while. Continue with the prompts for the IBM MQ Wizard in order to complete the installation process. Let's explore what was installed.

#### + Start menu:



#### + Services:

			_	
Con	trol Panel 🕨 All Control Panel Items 🕨 Administ	rative Tools		
Organize 🔻 🔳 🤃	Open			
🔆 Favorites	Name	Date modified	Туре	Size
🧾 Desktop	🔊 Component Services	7/14/2009 12:57 AM	Shortcut	2 KB
鷆 Downloads	🛃 Computer Management	7/14/2009 12:54 AM	Shortcut	2 KB
📃 Recent Places	📷 Data Sources (ODBC)	7/14/2009 12:53 AM	Shortcut	2 KB
	🔝 Event Viewer	7/14/2009 12:54 AM	Shortcut	2 KB
🥽 Libraries	🔝 iSCSI Initiator	7/14/2009 12:54 AM	Shortcut	2 KB
	📩 Local Security Policy	1/30/2012 4:58 PM	Shortcut	2 KB
👰 Computer	🔊 Performance Monitor	7/14/2009 12:53 AM	Shortcut	2 KB
🐔 Local Disk (C:)	📷 Print Management	8/25/2012 5:08 PM	Shortcut	2 KB
🚽 homes (\\rtpgs	🙈 Services	7/14/2009 12:54 AM	Shortcut	2 KB
	Sy Starts, stops, and configures Windows s	ervices. 009 12:53 AM	Shortcut	2 KB
📬 Network	🔊 Task Scheduler	7/14/2009 12:54 AM	Shortcut	2 KB
	🞓 Windows Firewall with Advanced Security	7/14/2009 12:54 AM	Shortcut	2 KB
	📷 Windows Memory Diagnostic	7/14/2009 12:53 AM	Shortcut	2 KB
	😹 Windows PowerShell Modules	7/14/2009 1:32 AM	Shortcut	3 KB

Page 10 of 24

Services					
ile Action View	Help				
Services (Local)	Name	Description	Status	Startup Type	Log On At
	Health Key and Certificate M., HomeGroup Listener HomeGroup Provider HomeGroup Provider Human Interface Device Acc JBM BigFix Remote Control	Provides X.509 certificate and key management services for the Network Access P., Makes local computer changes associated with configuration and maintenance o. Performs networking tasks associated with configuration and maintenance of ho., Enables generic input access to Human Interface Devices (HID), which activates a.,	Started	Manual Manual Manual Manual Manual	Local System Local System Local Service Local System Local System
[	BM Command Line Trace	Enables command line tracing for Personal Communications Provides startup and administration services for IBM MQ installation 'Installation1'	Started	Manual Automatic	Local System
	BM Notes Smart Upgrade S	Performs diagnostics on behalf of IBM Notes A service that helps upgrade the IBM Notes client.	Started Started	Automatic Automatic	Local System Local System

+ Location of the MQ executables and shared libraries

C:\Pro						
Organize 🔻 Inclu	ude in library 🔻 Share with	▼ New folder				
🔆 Favorites	Name	Date modified	Туре	Size		
🧮 Desktop	퉬 bin	7/7/2017 12:08 PM	File folder			
〕 Downloads	퉬 bin64	7/7/2017 12:06 PM	File folder			
📃 Recent Places	퉬 conv	7/7/2017 12:05 PM	File folder			
	퉬 doc	7/7/2017 12:06 PM	File folder			
🥽 Libraries	鷆 gskit8	7/7/2017 12:05 PM	File folder			
	鷆 java	7/7/2017 12:05 PM	File folder			
👰 Computer	퉬 Licenses	7/7/2017 12:07 PM	File folder			
🚮 Local Disk (C:)	퉬 MQExplorer	7/7/2017 12:05 PM	File folder			
🖵 homes (\\rtpg:	퉬 Readmes	7/7/2017 12:05 PM	File folder			
	퉬 samp	7/7/2017 12:05 PM	File folder			
📬 Network	퉬 swidtag	7/7/2017 12:07 PM	File folder			
	퉬 Tools	7/7/2017 12:07 PM	File folder			
	퉬 uninst	7/7/2017 12:07 PM	File folder			
	📄 instinfo.tsk	5/12/2016 1:00 AM	TSK File	17 KB		
	📄 isa.xml	5/12/2016 1:00 AM	XML Document	83 KB		
	📄 mqpatch.dat	5/12/2016 1:00 AM	DAT File	0 KB		

#### The MQ commands are located at: C:\Program Files\IBM\MQ\bin C:\Program Files\IBM\MQ\bin64

Of special importance is the full path for the MQ command "setmqenv.cmd", because it needs to be used to setup the MQ environment variables and update the PATH: C:\Program Files\IBM\MQ\bin\setmqenv.cmd

+ Location of the MQ data for the queue managers

	gramData\IBM\MQ			
Organize 👻 Incl	ude in library 👻 Share with 👻	New folder		
🚖 Favorites	Name	Date modified	Туре	Size
🧮 Desktop	퉬 config	7/7/2017 12:07 PM	File folder	
鷆 Downloads	퉬 conv	7/7/2017 12:07 PM	File folder	
📃 Recent Places	퉬 errors	7/7/2017 12:08 PM	File folder	
	鷆 exits	7/7/2017 12:07 PM	File folder	
🥽 Libraries	鷆 exits64	7/7/2017 12:07 PM	File folder	
	퉬 log	7/7/2017 12:07 PM	File folder	
💻 Computer	퉬 mqft	7/7/2017 12:07 PM	File folder	
🚮 Local Disk (C:)	퉬 qmgrs	7/7/2017 12:07 PM	File folder	
👳 homes (\\rtpg:	퉬 shared	7/7/2017 12:07 PM	File folder	
	퉬 sockets	7/7/2017 12:07 PM	File folder	
📬 Network	퉬 trace	7/7/2017 12:07 PM	File folder	
	📄 amqmjpse.txt	7/7/2017 12:38 PM	Text Document	6 KB
	🗿 mqs.ini	7/7/2017 12:07 PM	Configuration sett	3 KB

+++++ Chapter 4: Creating test queue manager via MQ Explorer

+ Let's create a queue manager in the MQ Explorer



Let's give the name: QM1

Best practice: Assign a "dead letter queue" (or DLQ), in this case, it is sufficient to use:

SYSTEM.DEAD.LETTER.QUEUE

🕀 Create Queue Manager	
Queue Manager	
Enter basic values	
Queue manager name: *	QM1
🔲 Make this the default queu	ie manager
Default transmission queue:	
Dead-letter queue:	SYSTEM.DEAD.LETTER.QUEUE
Max handle limit:	256
Trigger interval:	999999999
Max uncommitted messages:	10000

Continue with the prompts, accepting the defaults.

Because this queue manager is for sporadic testing purposes, it is best to modify the startup to:

(\*) Interactive (manual)

... which means that only when the queue manager will be used, then it is necessary to manually start it.

Also, because this queue manager very likely will be used with remote MQ clients, then it is necessary to add a server-connection channel (and a listener in a subsequent dialog).

(\*) Create server-connection channel

Note: The actual channel that is created is called: SYSTEM.ADMIN.SVRCONN define channel(SYSTEM.ADMIN.SVRCONN) chltype(SVRCONN)

🕀 Create Queue Manager
Queue Manager
Enter configuration options
Queue manager name: QMI
Start queue manager after it has been created
Multi-instance Queue Manager:
Permit a standby instance
Select type of queue manager startup
🔘 Automatic
🔘 Service (manual)
Interactive (manual)
Configures the queue manager to start only when mar
the user who started it logs off.
Cuesta con un composition channel to allow vomente admi
Area e server-connection channel to allow remote aumi
✓ Create server-connection channel

Click Next.

### Accept the default to create a listener: (\*) Create listener configured for TCP/IP

If this is the first queue manager in the box, you could accept the default port number:

1414

Queue Manager
Enter listener options
Queue manager name: QM1
The queue manager needs a listener to monitor for incor connections, for some network protocols.
🖉 Create listener configured for TCP/IP
The listener needs to listen on a port number not used by manager, service or application on this computer
Listen on port number: 1414

Click Next and eventually click Finish.

The queue manager QM1 will be created and will be shown in the left navigation panel.

The following picture shows this queue manager QM1 with the folders expanded.



\*\* Start of brief side-trip \*\*

Comparison with the corresponding picture AFTER installing Telemetry, AMS and MFT. Notice the presence of 2 new folders: Telemetry and "Security Policies" (for AMS).



\*\* End of brief side-strip \*\*

Let's take a look at the properties for the queue manager.

💮 IBM MQ Explorer ()	installation1)	
File Edit Window	Help	
🔁 MQ Explorer - Na	vigator 🛛 🤣 🏟 🕒 🗢 🗖	🗐 MQ Exploi
IBM MQ	anagers	Queue N
	Disconnect Stop Stop Command Server Hide Application Connections Publish/Subscribe	<ul> <li>nection (</li> <li>nection (</li></ul>
De Constantino De Cueue De JMS A De Manay De Servic	Remote Administration Tests Connection Details Security Object Authorities	Quick <sup>1</sup> ue ma mmanc
	Properties	nectio dhv
		Start date
		Start time

# Then select the "Extended" properties:

General	Extended		
Evits	Dead-letter queue:	SYSTEM.DEAD.LETTER.QUEUE	
Repository Communication	Trigger interval:	999999999 10000	
Events SSL	Max uncommitted messages:		
Statistics Online monitoring	Max handles:	256	
Statistics monitoring Accounting monitoring	Maximum message length (bytes):	4194304	
Log XA resource managers Installable services	Max properties length:	<ul> <li>Unrestricted length</li> <li>0</li> </ul>	
Channels TCP	Max priority:	9	
LU6.2 NetBIOS	Message mark browse interval:	<ul><li>Unlimited</li><li>5000</li></ul>	
Publish/Subscribe	Command input queue:	SYSTEM.ADMIN.COMMAND.QUEUE	
	Syncpoint:	Available	
	Distribution lists:	Supported	
	Default bind type:	Shared	
	Error log size:	262144	
	Excluded messages:		
	Suppressed messages:		
	Suppressed messages interval (seconds):	30	
	Telemetry:	Not supported	
	MQ Light:	Not supported	
	Custom:		
	Security policies:	Not supported	
	Connection authentication:	SYSTEM DEEALILT ALITHINGO IDBWO	

Notice the following at the bottom:

Telemetry	=>	Not supported
MQ Light	=>	Not supported
Security policies	=>	Not supported

+ Now let's work with MQ line commands ...

... but before we do that, it is a good idea to create a Windows batch file to help facilitate the task of setting the MQ environment variables and directories that are needed to work with MQ line commands.

The following might look like an overkill, but it will be very handy in the likely case that you want to have multiple installations of MQ in the box. You will need a dedicated Windows batch file for each installation.

If you have a directory that is already in your PATH then you can use that directory to store the batch file. For this tutorial, a directory called C:\bin will be used.

Let's create the following directory: C:\bin

And modify the PATH variable to add the above directory.

Bring the window for "My Computer": Start > My Computer



Click on "System properties"



Click on "Advanced system settings"

System Properties							
Computer Name Hardware Advanced System Protection Remote							
You must be logged on as an Administrator to make most of these changes. Performance							
Visual effects, processor scheduling, memory usage, and virtual memory							
Settings							
User Profiles							
Desktop settings related to your logon							
Settings							
Startup and Recovery							
System startup, system failure, and debugging information							
Settings							
Environment Variables							

Click on "Environment Variables ...", select PATH and edit it.

Syster	n Properties	$\frown$	8	
Com	puter Name Hardw	are Advanced System Protection	Remote	Java"
Env	vironment Variable	s	<u></u>	-manual-install\sdk\bin;C:\Windov l\v1.0\;C:\Program Files_(x86)\]]
	User variables for pr	nrairmq		
	Variable	Value		All Control Panel Items 🕨 System
	TEMP	%USERPROFILE%\AppData\Local\T	ſemp	
	TMP	%USERPROFILE%\AppData\Local\T	Temp	View basic information about you
				Windows edition
		New Edit	Delete	Windows 7 Professional
				Copyright © 2009 Microsoft Corporation
	System variables			Service Pack 1
	Variable	Value	A	
	NUMBER_OF_P	8		
	05	Windows_NT		
	Path	C:\Program Files\IBM\MQ\java\lib;C	:\Pr.	System
	PATHEXT	.COM;.EXE;.BAT;.CMD;.VBS;.VBE;	JS;	
		New Edit	Edit System Varia	able 💌
			Variable name:	Path
		OK	Variable value:	Eiles) IBM) MO(tools) c) samples) bir (C) bir)
1	1 Fil	e(s)		
Ter	tal Files Lie	ted.		OK Cancel
101	1 Fil			

Add at the end of the "Variable value" for "Path": ;C:\bin;

Click OK several times to get out of the deep navigation of menus for setting the PATH.

Start a Windows Command Prompt and run it as an Administrator:

Start > Accessories > Command Prompt > right click  $\rightarrow$  Run as administrator



Note:

If you do not want to create and use the set-mq-90.cmd batch file, then you will need to manually execute:

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

In the Windows Command Prompt issue:

cd \bin notepad set-mq-90.cmd

Then in the Notepad edit window enter the following statements. Notice that "setmqenv" is the main command that is invoked.

```
REM Setup the environment to run MQ 9.0
CALL "C:\Program Files\IBM\MQ\bin\setmqenv" -n Installation1
REM Adding Samples to the path
SET
PATH=%PATH%;%MQ_FILE_PATH%\Tools\c\Samples\Bin;%MQ_FILE_PATH%\To
ols\c\Samples\Bin64;%MQ_FILE_PATH%\Tools\jms\samples;%MQ_JAVA_IN
STALL_PATH%\bin\
dspmqver -f 2
SET CLASSPATH=%CLASSPATH%;.
```

Save the file.

Do not execute the file yet!

Let's take a baseline of the MQ environment variables that are set by the MQ installer (Note it is a SUBSET that is needed to work with MQ):

C:\> <u>set MQ</u> MQ\_FILE\_PATH=C:\Program Files\IBM\MQ MQ\_JAVA\_DATA\_PATH=C:\ProgramData\IBM\MQ MQ\_JAVA\_INSTALL\_PATH=C:\Program Files\IBM\MQ\java MQ\_JAVA\_LIB\_PATH=C:\Program Files\IBM\MQ\java\lib64;C:\Program Files\IBM\MQ\java\lib MQ\_JRE\_PATH=C:\Program Files\IBM\MQ\java\jre

Now execute the batch file:

#### C:\> <u>set-mq-90</u>

C:\>REM Setup the environment to run MQ 9.0 C:\>CALL "C:\Program Files\IBM\MQ\bin\setmqenv" -n Installation1 Version: 9.0.0.0

Repeat the operation to show the MQ environment variables. Notice that there are 4 new variables.

C:\>set MQ MQ\_DATA\_PATH=C:\ProgramData\IBM\MQ MQ\_ENV\_MODE=64 MQ\_FILE\_PATH=C:\Program Files\IBM\MQ MQ\_INSTALLATION\_NAME=Installation1 MQ\_INSTALLATION\_PATH=C:\Program Files\IBM\MQ MQ\_JAVA\_DATA\_PATH=C:\ProgramData\IBM\MQ MQ\_JAVA\_INSTALL\_PATH=C:\Program Files\IBM\MQ\java MQ\_JAVA\_LIB\_PATH=C:\Program Files\IBM\MQ\java\lib64 MQ\_JRE\_PATH=C:\Program Files\IBM\MQ\java\jre

Let's start the queue manager and use the MQ "runmqsc" tool:

C:\> <u>strmqm QM1</u> IBM MQ queue manager running.

C:\> <u>runmqsc QM1</u> 5724-H72 (C) Copyright IBM Corp. 1994, 2016. Starting MQSC for queue manager QM1.

### <u>display qmgr</u>

1: display qmgr AMQ8408: Display Queue Manager details. QMNAME (QM1) ACCTINT (1800) ACCTQ (OFF) ACTVCONO (DISABLED) ALTDATE (2017-07-07) AMQPCAP (NO)

ACCTCONO(DISABLED) ACCTMQI(OFF) ACTIVREC(MSG) ACTVTRC(OFF) ALTTIME(13.54.26) AUTHOREV(DISABLED)

CCSID(437) CERTLABL (ibmwebspheremqqm1) CERTVPOL (ANY) CHAD (DISABLED) CHADEV (DISABLED) CHADEXIT() CHLEV (DISABLED) CHLAUTH (ENABLED) CLWLEXIT() CLWLDATA() CLWLMRUC (99999999) CLWLLEN(100) CLWLUSEQ (LOCAL) CMDEV (DISABLED) CMDLEVEL(900) COMMANDQ (SYSTEM. ADMIN. COMMAND. QUEUE) CONFIGEV (DISABLED) CONNAUTH (SYSTEM. DEFAULT. AUTHINFO. IDPWOS) CRDATE (2017-07-07) CRTIME (13.54.26) CUSTOM() DEADQ (SYSTEM.DEAD.LETTER.QUEUE) DEFCLXQ (SCTQ) DEFXMITQ() DESCR() DISTL(YES) INHIBTEV (DISABLED) IPADDRV(IPV4) LOCALEV (DISABLED) LOGGEREV (DISABLED) MARKINT (5000) MAXHANDS (256) MAXMSGL(4194304) MAXPROPL (NOLIMIT) MAXPRTY (9) MAXUMSGS (10000) MONACLS (QMGR) MONCHL (OFF) PARENT() MONQ (OFF) PERFMEV (DISABLED) PLATFORM (WINDOWSNT) PSMODE (ENABLED) PSCLUS (ENABLED) PSNPRES (NORMAL) PSNPMSG (DISCARD) PSRTYCNT(5) PSSYNCPT (IFPER) QMID(QM1 2017-07-07 13.54.26) REMOTEEV (DISABLED) REPOS() REPOSNL() REVDNS (ENABLED) ROUTEREC (MSG) SCHINIT (QMGR) SCMDSERV (QMGR) SPLCAP (DISABLED) SSLCRLNL() SSLCRYP() SSLEV (DISABLED) SSLFIPS (NO) SSLKEYR(C:\ProgramData\IBM\MQ\qmgrs\QM1\ssl\key) STATACLS (QMGR) SSLRKEYC(0) STATCHL (OFF) STATINT (1800) STATMOI (OFF) STATO (OFF) STRSTPEV (ENABLED) SUITEB (NONE) SYNCPT TREELIFE (1800) TRIGINT (99999999) VERSION(0900000) XRCAP(NO)

Notice the following attributes related to the additional components that will be installed in Techdoc number 2 (mentioned in the cover page)

AMQPCAP (NO)	=>	For	the	AMQP	Service	Component
SPLCAP(DISABLED)	=>	For	AMS			
XRCAP (NO)	=>	For	Tele	emetry	Į	

+++ end +++