MQ Visual Edit User's Guide





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1 Introduction

1.1 Overview

MQ Visual Edit (MQVE) application allows users to view, manipulate and manage messages in a queue and/or a topic of an IBM MQ (formally WebSphere MQ & MQSeries) queue manager and presents the data in a simplified format similar to a database utility or spreadsheet program.

MQ Visual Edit is a great tool for application programmers, JMS developers, quality assurance testers, and production support personnel. The tool allows for quick problem solving because the data is presented in a very logical and insightful manner.

MQ Visual Edit is designed to run on a desktop platform. This includes: Linux x86 64-bit, macOS (Mac OS X), Windows 7/8/8.1/10 and Raspberry Pi (ARM). MQ Visual Edit is able to connect to local queue managers (residing on the same box) or to any remote queue manager.

The remote queue managers can be on any platform that supports distributed queuing including: AIX, HP-UX, HPE NonStop, Linux, IBM i (OS/400), Oracle Solaris, Raspberry Pi (ARM), Tandem, Windows 2008/2012/2016 Server, Windows 7/8/8.1/10 and z/OS (OS/390).

MQ Visual Edit has full language support for the following 55 languages: Amharic, Arabic, Azerbaijani, Bengali, Cebuano, Chinese (Mandarin China), Chinese (Mandarin Taiwan), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Gujarati, Hausa, Hebrew, Hindi, Hungarian, Igbo, Indonesian, Italian, Japanese, Javanese, Kannada, Korean, Malay, Malayalam, Marathi, Norwegian, Panjabi, Pashto, Persian, Polish, Portuguese, Romanian, Russian, Shona, Sindhi, Spanish, Sundanese, Swahili, Swedish, Tamil, Telugu, Thai, Turkish, Ukrainian, Urdu, Uzbek, Vietnamese, Xhosa, Yoruba and Zulu.

MQ Visual Edit supports both forms of MQ security:

- > SSL/TLS for connecting to remote queue managers.
- > 3rd party security exit for connecting to remote queue managers.

1.2 Prerequisites

This section provides the minimum supported software levels.

1.2.1 Operating System

MQ Visual Edit is capable of running on the following operating system platforms:

- ➢ Windows 7/8/8.1/10
- Linux x86 64-bit (Desktop)
- > macOS (Mac OS X) 10.8 or higher (client mode only)
- Raspberry Pi (ARM)

2 Installing MQ Visual Edit

This chapter will describe the installation and registration of MQ Visual Edit.

2.1 Installation

2.1.1 Windows Installation

To install MQ Visual Edit on Windows, do the following instructions:

- Run the install program called: **mqve3-setup-withjre.exe**
- The installer follows the standard Windows install procedures and provides default values for the user.
- When the install program has completed execution, there will be a newly created folder under *Start -> All Programs* called *MQ Visual Edit*.
- To run MQ Visual Edit, select the MQ Visual Edit icon from within the MQ Visual Edit folder.

2.1.2 Linux Installation

To install MQ Visual Edit on Linux x86 64-bit, do the following instructions:

• First, the user needs to set the 'execute' permission for the installer program:

```
chmod +x mqve3-setup-linux.bin
```

• Next, run the installer with the following command:

```
./mqve3-setup-linux.bin
```

- The installer will prompt the user for the installation directory. The default value will be 'Capitalware/MQVE3/'.
- To run MQ Visual Edit, go to the installation directory and issue the following command:

./mqve

2.1.3 macOS Installation

To install MQ Visual Edit on macOS, do the following:

- Double click the *MQ_Visual_Edit_V3.dmg* file to open it
- Follow the instructions on the opened DMG window and drag the MQ Visual Edit icon to the Applications folder.
- Close the DMG window and then eject the DMG
- To run MQ Visual Edit, go to the Application folder and double click on MQ Visual Edit

2.1.4 Raspberry Pi Installation

To install MQ Visual Edit on Raspberry Pi, do the following:

- 1. ftp or copy the selected mqve-RaspberryPi.tar.zip file to the target platform
- 2. Unzip the mqve-RaspberryPi.tar.zip to an appropriate directory with the following commands:

unzip mqve-RaspberryPi.tar.zip tar -xvf mqve-RaspberryPi.tar

- 3. Change directory to *Capitalware/MQVE/*
- 4. To run MQ Visual Edit, go to the installation directory and issue the following command:

./mqve

2.2 Registration

This section will describe how to obtain a license and then register your copy of MQ Visual Edit. To purchase a copy of MQ Visual Edit (obtain a license), go to Capitalware's web site (www.capitalware.com) and select MQ Visual Edit, then click the **Buy Now** button.

A license is for a single end-user. Once the user has received their license key, they will need to input the license key in the Registration window and then retrieve an Access Code. *Note: A license key can ONLY be registered once.* When the user clicks the *Submit* button MQ Visual Edit will attempt the register the user's license key by contacting the 'capitalware.com' server.

Note: Do not register MQ Visual Edit under Administrator account or any other SysAdmin account. It must be the end-user who completes the registration process under their own account.

If your company uses a Proxy Server then the user will need to input this information, so that MQ Visual Edit can access the internet. Select **File** then **Preferences**:

🍀 Preferences		×
General Main Window	General Start the tools in a separate JVM. Settings Directory: C:\Users	
Edit Window	Enable Proxy Server Proxy Host Proxy Port 80	
MQ General		
MQ Queue		

Click **Enable Proxy Server** checkbox then input your company's Proxy Server and Proxy Port and click **OK** to save the information.

To input the license key, from the main menu of MQ Visual Edit, select File then Register:

Registration	X
Registration:	
Your Access Code will be emailed to you	
Name:	
Email Address:	
UserId:	
Hostname:	
Canonical Hostname:	
License Key	
License Key:	
Register a New License Key:	Yes
Online Registration	
Request Access Code via Online Registration:	🕴 Submit
Register via Web Browser	
Request Access Code via Web Browser:	Web Browser
Register via email	
Request Access Code via email:	Email
Add Access Code from Web Browser or Email	
Access Code:	📥 Add
Days remaining in subscription:	
Clear References	Close

Do the following:

- Input the user's name and email address
- Next, click the **Yes** button to input your license key

Register	a New License Key
?	New License Key
	OK Cancel

• Finally, click the **Submit** button to get your Access Code.

Registration			×
_{Registratio}	n:		
Your Access Code wil	be emailed to you		
Name:	Party contract and contract		
Email Address:	The second s		
UserId:	(Depine		
Hostname:			
Canonical Hostname:	40001020		
License Key			
License Key:	collectronilitester		
Register a New Licens	e Key:		Yes
Online Registration -			
Request Access Code	via Online Registration:		/ Submit
Register via Web Bro	vser		
Request Access Code	via Web Browser:		Web Browser
Register via email —			
Request Access Code	via email:		Email
Add Access Code from	n Web Browser or Email		
Access Code:			📥 Add
Days remaining in sub	scription:		
		Clear 🔀 Preference	s 🕢 Close

Note: A license key can ONLY be registered once.

2.3 Connectivity Issues

This section will describe how to handle registering MQ Visual Edit when the user has connectivity issues.

2.3.1 Registering using a Web Browser

Before attempting to register via a web browser, please attempt the instructions in section 2.2 (clicking the *Submit* button). If you followed the instructions in section 2.2 including setting the Proxy values and the registration failed then the end-user can attempt to register via a web browser

Click the Web Browser button to launch the default web browser on your PC/laptop.

Registration			×
Registratio	n:		
Your Access Code wi	be emailed to you		
Name:	Rindy in the local data		
Email Address:	The second s		
UserId:	(Phasiana		
Hostname:	()))))))))		
Canonical Hostname:	400010200		
License Key			
License Key:			
Decistor a New Licon	To Kow		-b Yan
Register a New Licen	sency.		
Online Registration -			
Request Access Code	via Online Registration:		💋 💋 Submit
Register via Web Bro	wcor		
Request Access Code	via Web Browser:		Web Browser
Acquest Access cour	ind web bronser.		- meb bromser
Register via email —			\sim
Request Access Code	e via email:		Email
Add Access Code fro	m Web Browser or Email		
Access Code:			Add
Days remaining in sub	oscription:		
		🔏 Clear 🔀 🏹 Pre	ferences 🛛 🖓 Close

MQ Visual Edit will launch the default web browser on your PC/laptop and then display the following popup.



Your web browser will connect to Capitalware's online registration server and submit the end-user's information for registering the product. When the registration process is complete, the web browser will display your Access Code. En email will also be sent to the email address that the end-user provided.



Next, click Add button

Registration		×
Registratio	n:	
Your Access Code wil	be emailed to you	
Name:	Rentycentional collito	
Email Address:	The second s	
UserId:	diffusion-	
Hostname:		
Canonical Hostname:	densid (has	
License Key		
License Key:	anilyphysionitestep	
Register a New Licens	e Key:	Yes
Online Registration -		
Request Access Code	via Online Registration:	🖉 Submit
Register via Web Bro	vser	
Request Access Code	via Web Browser:	Web Browser
Register via email —		
Request Access Code	via email:	Email
Add Access Code from	n Web Browser or Email	
Access Code:		(+ Add
Days remaining in sub	scription:	
	Clear 🔀 Prefere	ences 🕢 Close

Copy and paste the Access Code from the web browser (or email) and then click OK button



2.3.2 Registering by Email

Before attempting to register via an email, please attempt the instructions in section 2.2 (clicking the *Submit* button) and the instructions in section 2.3.1. If you followed the instructions in section 2.2 including setting the Proxy values and the registration failed then the end-user can attempt to register via a web browser

If MQ Visual Edit cannot make a connection to Capitalware's web server (with or without a Proxy Server) or the default web browser cannot make a connection, then the user can email the information to 'support@capitalware.com'. Click the **OK** button to retrieve the information:

Registration			×
Registratio	n:		
Your Access Code will	be emailed to you		
Name:	Responsibilitie		
Email Address:			
UserId:	(Chanjan)		
Hostname:			
Canonical Hostname:	40000000		
License Key			
License Key:	Collegenerativester		
Register a New Licens	e Key:		Yes 🔒
Online Registration -			
Request Access Code	via Online Registration:		👂 Submit
Register via Web Brow	wser		
Request Access Code	via Web Browser:		Get Web Browser
Register via email —			
Request Access Code	via email:		Email
Add Access Code from	n Web Browser or Email		
Access Code:			📥 Add
Days remaining in sub	scription:		
		dear	X Preferences OClose

MQ Visual Edit will launch the default email client program on your PC/laptop and create the following email which is to be sent to 'support@capitalware.com'.

G Writes Request Access Code for	MQ Visual Edit - Thunderbird	- C -X-
Eile Edit View Insert Format	Options [®] Icols Help	
📣 Send 🛛 🗛 Spelling 👻 🔒	Security 🔽 🖾 Saive 🕞	🔋 Attach 🗸
From: Integratedutagain	and and a second and a second as a	~
✓ Te: support@cap	skalware.com	
Subject: Request Acce	ess Code for MQ Visual Edit	
Body Text 👻 Variable Width	▲ ▲ ▲ ▲ ▲ ▲ ※ ※ · · · · · · · · · · · ·	
Attn. Capitalware Support.		
Name: Maging Micronico		
License Key: Statistical	Net for the constant of the co	
UserId: aleganiste		
Hostname: amri002		
Canonical Hostname: event	991	
Original License Key:	minour diag.	
Original Access Code:		
Original Days Remaining: 0		

You will receive the Access Code via email. Simply click the Add button and input the Access Code.

When you receive the reply email from Capitalware Support, do the following:

Click Add button

Registration				X
Registratio	n:			
Your Access Code will	be emailed to you			
Name:	Responsibilities			
Email Address:				
UserId:	(Chanjato			
Hostname:				
Canonical Hostname:	4mpidR4p			
License Key				
License Key:				
Register a New Licens	e Key:			Yes 🖌
Online Registration -				
Request Access Code	via Online Registration:			👂 Submit
Register via Web Brow	wser			
Request Access Code	via Web Browser:			😔 Web Browser
Register via email —				
Request Access Code	via email:			Email
Add Access Code from	n Web Browser or Email			
Access Code:				Add
Days remaining in sub	scription:			\sim
		Clear	Reference:	s 😡 Close

Copy and paste the Access Code from the reply email and then click **OK** button.

2.4 A New or Replacement PC or Laptop

This section will describe how to handle inputting your information into MQ Visual Edit for a new/replacement PC/laptop after you have previously registered your MQ Visual Edit license key.

It is very common for users to get a new PC/laptop or have Windows re-installed on their PC/laptop. The first thing the user needs to do is find the email called '*MQ Visual Edit Access Code*' from '*support@capitalware.com*' that they received when they originally registered MQ Visual Edit. It will contain their Access Code.

- First, the user needs install MQ Visual Edit (follow the installation instructions in section 2.1).
- Optional step, the user will want to copy the following 2 files to their new PC/laptop that are located in C:\Users\{UserId}\Capitalware\ directory:
 - QMgrInfo.db
 - UserFormats.db (if it exists)
- Finally, the user will need to input their information, License Key and Access Code into MQ Visual Edit
 - Click *File -> Register* and input your name and email address
 - Click the Yes button and input the License key
 - Click *Add* button and input your Access Code from the email the user previously received

Regist	tration				X
?	Registratio	n:			
	Your Access Code will	be emailed to you			
	Name:				
	Email Address:				
	UserId:				
	Hostname:				
	Canonical Hostname:				
	License Kev				
	License Key:				
	Register a New Licens	e Key:			Yes
	Online Registration —				
	Request Access Code	via Online Registration:			📕 Submit
	Register via Web Brow	vser			
	Request Access Code	via Web Browser:		[😔 Web Browser
	Register via email —				
	Request Access Code	via email:			Email
ſ	Add Access Code from	n Web Browser or Email			
	Access Code:				Add
	Days remaining in sub	scription:			
			dear	X Preferences	Close

2.5 Yearly Registration Process

MQ Visual Edit license is for a 1-year subscription. When the 1-year subscription ends, the license key becomes invalid (garbage). Hence, to continue to use MQ Visual Edit, the end-user will need to purchase another license for a 1-year subscription to MQ Visual Edit. This section will describe how to register a *new license* key during or after an existing 1-year subscription to MQ Visual Edit.

If the end-user is using a previous release of MQ Visual Edit, Capitalware strongly suggests that the end-user upgrades to the latest release of MQ Visual Edit. The order email includes the download link (with UserId and Password) to the latest commercial release of MQ Visual Edit. Simply follow the upgrade instructions in Appendix B.

To input the license key, from the main menu of MQ Visual Edit, select File then Register.

Do the following:

• Click the **Yes** button to input your license key

Registration			
🕜 Registratio	n:		
Your Access Code wi	be emailed to you		
Name:	Resignation and a second se		
Email Address:			
UserId:	riber og konst		
Hostname:	dulikity.		
Canonical Hostname:			
License Key			
License Key:			
Register a New Licen	se Key:	🔒 Yes)
Online Registration -			
Request Access Code	via Online Registration:	🖉 Submit	
Register via Web Bro	wser		
Request Access Code	e via Web Browser:	Web Browser	
Register via email —			
Request Access Code	e via email:	Email	
Add Access Code fro	m Web Browser or Email		
Access Code:		📌 Add	
Days remaining in sub	ascription: 272		
		Clear References Close	

• Input the new license key and then click the **OK** button

Register	a New License Key
?	New License Key

• Next, click the **Submit** button to get your Access Code.

Registration			X
Registratio	n:		
Your Access Code wil	be emailed to you		
Name:	Regulation of the second		
Email Address:	And the state of t		
UserId:	1 The second sec		
Hostname:			
Canonical Hostname:	@http://		
License Key			
License Key:			
Register a New Licens	e Key:		Yes
Online Registration -			
Request Access Code	via Online Registration:		Submit
Register via Web Bro	vser		
Request Access Code	via Web Browser:		Web Browser
Register via email —			
Request Access Code	via email:		Email
Add Access Code from	n Web Browser or Email		
Access Code:			🕂 Add
Days remaining in sub	scription: 272		
		dear dear	X Preferences 3 Close

Note: A license key can ONLY be registered once.

2.6 Enterprise License File

This section will describe how to handle the storing of an Enterprise License file.

Note: This section is only applicable to those customers who have purchased an Enterprise License for MQ Visual Edit.

Upon the purchase or renewal of an Enterprise License for MQ Visual Edit, the customer will be emailed both the Enterprise License key and the Enterprise License file. Enterprise License file is called '*mqve.license.properties*'. Do not rename the Enterprise License file or modify its contents.

MQ Visual Edit is supported on Windows, macOS and Linux. The Enterprise License file is designed to be deployed to any and all of those platforms.

MQ Visual Edit will look for the Enterprise License file in 1 of 3 directories:

- 1. The user's settings directory '{home directory}\Capitalware\':
 - On Windows: C:\Users\{UserId}\Capitalware\
 - On macOS: /Users/{UserId}/Capitalware/
 - On Linux: /home/{UserId}/Capitalware/
- 2. The user's '{home directory}\':
 - On Windows: C:\Users\{UserId}\
 - On macOS: /Users/{UserId}/
 - On Linux: /home/{UserId}/
- 3. The MQ Visual Edit install directory:
 - On Windows: C:\Capitalware\MQVE3\
 - On macOS: not applicable
 - On Linux: /apps/Capitalware/MQVE3/

Capitalware recommends putting the Enterprise License file in the user's settings directory (option #1).

3 Managing Groups

This chapter will describe how to add, rename and delete a Group.

3.1 Adding a Group

This section will describe how to add a Group to MQ Visual Edit. A Group will hold 1 or more Queue Manager Access Profiles. The Group name can be any name the user wishes.

From the main menu of MQ Visual Edit, select File then Add Group...:

	ise provide a name for this new Group.
1	

After the user inputs a name, click the **OK** button to create the new group.

3.2 Renaming a Group

This section will describe how to rename a Group in MQ Visual Edit.

In the Queue Managers' dock, right click on the group name to be renamed, then select **Rename Group...**:



Input a new group name then click the **OK** button:



3.3 Deleting a Group

This section will describe how to delete a Group from MQ Visual Edit.

Note: If the user deletes a group containing Queue Manager Access Profiles then when the group is deleted, those Queue Manager Access Profiles will be moved to the default group called '[default]'. MQ Visual Edit will not delete the Queue Manager Access Profiles.

In the Queue Managers' dock, right click on the group name to be renamed, then select **Delete Group...**:



Click the **Yes** button to confirm the deletion of the group.



4 Managing Queue Managers

This chapter will describe how to create, update, test and delete a Queue Manager Access Profile.

4.1 Adding a Queue Manager Access Profile

This section will describe how to add a Queue Manager Access Profile so that you can connect to a local or remote queue manager.

From the main menu of MQ Visual Edit, select **File** then **Add Queue Manager Access Profile** or the user can right click on a group name in the Queue Manager dock and select **Add Queue Manager Access Profile**:



You will be prompted to provide a name for the new Queue Manager Access Profile. It is suggested that you provide a meaningful name that describes the queue manager and its location. Note: Do not use semi-colons ";" in the name.

General Queue Manager Name: Queue Manager Name: MQWT1 Queue Manager Type: Distributed Distributed ✓ UserId (UTC-05:00) America/New_York Queue Manager Icon: ✓ Exits 🖼 🎱 🌆 🚱 🖓 IBM. () 🔅 () 🛆 ● () 🛆 ● () 🖧 () 🖓 () 🖓 ()
SSL/TLS AMS Keystore

If the queue manager is **local** to where you are running MQ Visual Edit then all you need to specify is the queue manager.

Note: If the queue manager is located in a timezone different from the end-user's PC/laptop, then the end-user can set the timezone to the actual queue manager timezone and then the MQ Visual Edit will display the date and time of messages in the queue manager's timezone (rather than the end-user's timezone).

If the queue manager is **remote** to where you are running MQ Visual Edit then the user will also need to fill in the fields on the Remote panel. i.e. Channel Name, IP / Hostname and port number.

🌾 Queue Man	ager Access Profile - MQWT1 X
© General	Remote Parameters Channel Name:
2 Remote	IP / HostName:
UserId	
Exits	
SSL/TLS	
AMS Keystore	
	Save O Cancel 9 Test

If the remote queue manager is configured for IBM MQ MI (Multi-Instance) or IBM MQ HA (High Availability) then the following rules must be followed for a successful connection:

- The first hostname or IP address *MUST* have the port number explicitly set.
- The second hostname or IP address must *NOT* have the port number explicitly set.
- The port value *MUST* be set to the correct value for the 2nd hostname or IP address.

If your queue manager is configured to fail over between 2 servers called: serv01 and serv02 and the queue manager's listener is listening on port number 5555 then this is how to set the IP/Hostname and Port # fields:

IP/Hostname: serv01(5555),serv02 Port #: 5555 Specifying a UserId and/or Password. We strongly suggest that all connection made to a remote queue manager specify both a UserId and Password.

🍀 Queue Mar	nager Access Profile - MQWT1	×
General General Remote UserId Exits SSL/TLS SSL/TLS AMS Keystore	UserId UserId UserId UserId (1-12 characters): Password: Prompt for Password Retain the behavior of sending the UserId and password in the RemoteUserId and RemotePassword fields of the MQCD structure as done in releases prior to IBM MQ V8. User identification compatibility mode User identification compatibility mode	

Note: A blank or unset UserId means that MQ Visual Edit will connect to a Queue Manager and use whatever authority the MCA has. At some companies, this type of access is not allowed. Therefore, type in your valid UserId (and Password where authentication is required) for the Queue Manager that you are connecting to.

For queue managers that perform authentication, the user may wish to be prompted for the password rather than have MQ Visual Edit save it. Click the 'Prompt for Password' checkbox to have MQ Visual Edit prompt the user for their password for the remote system.

The *User identification compatibility mode* checkbox allows the user to send the UserId and Password as done in releases prior to IBM MQ V8.

Optional:

For those companies that use exits, security, send and/or receive, the user will need to fill in the Class Name, Exit Data and Jar File Location.

For example, if you are using Capitalware's MQAUSX solution then the fields would be set as follows: Class Name:

• biz.capitalware.mqausx.MQAUSXJ

Jar File Location:

• C:\Capitalware\MQAUSX\MQAUSX.jar

er Access Frome - Mogwith	×
Exits Security Exit	
Class Name:	
Exit Data:	
Jar File Location:	Browse
Send Exit	
Exit Data:	
Jar File Location:	Browse
Receive Exit	
Class Name:	
Exit Data:	
Jar File Location:	Browse
Save 🖉 Cancel	👂 Test
	xits ecurity Exit ecurity Exit lass Name: xit Data: ar File Location: end Exit lass Name: xit Data: ar File Location: eceive Exit lass Name: xit Data: ar File Location:

Optional:

For those companies that use SSL/TLS to allow MQ client applications to connect to their queue managers, the user will need to fill in the SSL/TLS fields.

🎋 Queue Man	ager Access Profile - MQWT1	×
General	SSL/TLS SSL Options CipherSpec Name:	
UserId	Trusted Certificate Store Store name: Browse Browse	
Exits	Password: Personal Certificate Store Store name: Browse	
SSL/TLS	Password: Certificate Revocation List	
AMS Keystore	LDAP Server:	
	Save 🖉 Cancel 👂 Te	st

Optional:

For those companies that use IBM MQ Advanced Message Security (AMS), the end-user will need to tell MQ Visual Edit where the *keystore.conf* file (with the JKS keywords and values) is located. Use the Browse button to locate the keystore.conf on the end-user's PC/laptop.

🌾 Queue Mar	nager Access Profile - MQWT1	×
General General Remote UserId Exits SSL/TLS SSL/TLS	IBM MQ Advanced Message Security (AMS) IBM MQ AMS Keystore Configuration File Keystore: Browse Concel	∮ Test

4.2 Editing a Queue Manager Access Profile

This section will describe how to edit a Queue Manager Access Profile so that you can connect to a local or remote queue manager.

Right click on the queue manager in the 'Queue Manager' dock and select **Properties**:

🈽 MQ Visual Edi	t - Days	remaini	ng in su	ubscr
File Queue Topic	Messa	ige Proj	perties	Viev
🖻 🎜 📲	🖪	4	Y _{a i}	۲
Queue Mana	gers			
Linux			^	
Solaris				
Windows		\bigtriangledown		
MQWC1 MQWC1 MQWC2 MQWC2 MQWT1	WL1 ote - No	Exit		٦
MQWT1 - Te	D 🚽	pen Que	ue >	
MQWT1 rem	¥ L	ist Queu	es	
MQWT1 rem	🖡 o	pen Top	ic >	
MQWT1 rem	₿ Li	ist Topic	5	
MQWT1 rem	/ р	roperties		\triangleright
MQWT2	R R	ename		
MQWT2 rem	→ N	love To	>	
MQWT2 rem	× D	elete		

The Queue Manager Access Profile will be presented where the user can modify/update the fields and when done click the **OK** button to save the information.

🌾 Queue Mar	nager Access Profile - MQWT1	
General	General Queue Manager Name: MQWT1	
Remote	Queue Manager Type: Distributed ~	
UserId	Time Zone: (UTC-05:00) America/New York	
•	Queue Manager Icon:	
Exits	E ● 10 IBM. ● 10 (2 A ● C Å 9 cm 4 4 2 A 4 A 4	
SSL/TLS	< >>	
AMS Keystore		
	Save 🖉 Cancel 🔰 Test	

4.3 Renaming a Queue Manager Access Profile

This section will describe how to rename a Queue Manager Access Profile.

Right click on the queue manager in the 'Queue Manager' dock and select **Rename**:



Input a new name for the Queue Manager Access Profile then click the **OK** button.



4.4 Move a Queue Manager Access Profile to Another Group

This section will describe how to move a Queue Manager Access Profile to another group.

Right click on the queue manager in the 'Queue Manager' dock and select **Move To**. A list of available groups will be displayed and the user simply selects the appropriate group.

🐐 TEST.Q3 on MQWT1		
File Queue Topic Message Proper	ties Vi	iew Favorite
📔 🔁 😼 🖪 🦌	a d'	' 🕑 之
Queue Managers		r TEST.Q3/I
Windows 🤝 🗸	^	
🛃 Laptop - MQWL1		
MQWC1		
MQWC2		
MQWT1	•	
MOWT11		
MOWT1r	-11	
🖉 MQWT1 n 🚯 Open Topic	•	
MQWT1r 👙 List Topics		
MQWT2	-11	
MQWT2r / Edit		
MOWT2 Rename		
MOWT3 - A Move To		AIX
MQWIST Elete		HD-IIX
MQWT3 r Delete		11-07
MQWT3 remote - No Exit		Linux
Vieta - MOWV1 64		Solaris
Vista - MOWV1_64 - S		default
default		iSeries
		zOS
iSeries 🛆	_	

4.5 Deleting a Queue Manager Access Profile

This section will describe how to delete a Queue Manager Access Profile.

Right click on the queue manager in the 'Queue Manager' dock and select **Delete**:



Click the Yes button to confirm the deletion of the Queue Manager Access Profile.



4.6 Import Queue Manager Information

This section will describe how to import queue manager information from other products.

Note: During the import process, MQ Visual Edit will NOT display an importing queue manager on the Import Queue Managers window if it already exists in the MQ Visual Edit.

4.6.1 Import from MQ Explorer

This section will describe how to import queue manager information from MQ Explorer. The end-user will need to first export their queue manager information from MQ Explorer. Do the following in MQ Explorer:

- Click *File* > *Export* menu item
- Select *MQ Explorer Setting* then click the *Next* button
- Make sure the *Connection Information* checkbox is select (the other checkboxes are optional)
- Click the *Browse* button, select an export directory and specify a file name i.e. mqexplorer.xml
- Click the *Finish* button

Now that the MQ Explorer queue manager information has been exported, we can import it into MQ Visual Edit. Do the following:

- Click *File > Import Queue Manager Settings > MQ Explorer* menu item
- Go to the directory where you saved the MQ Explorer XML file and then select the XML file

MQ Visual Edit will display a list of queue managers from the MQ Explorer XML file that can be selected:

Import Qu	ieue Managers
?	Select the queue managers to be imported
	MQWT1
	MQWT2
	MQWC1
	MQWC2
	MQA1
	MQWT3
	MQWT4
	MQWT5
	MQFC4_X86_64
	MQFC4_TWO
	MQFC9_X86_64
	Select All
	Select a group for the queue managers to be imported to:
	default 👻
	Time Zone:
	(UTC-05:00) America/New_York 🗸
	OK Cancel

4.6.2 Import from MO71

This section will describe how to import queue manager information from MO71. The queue manager information for MO71 is generally stored in the install directory of MO71.

Do the following:

- Click *File > Import Queue Manager Settings > M071* menu item
- Go to the MO71 install directory and then select the MQMON.CFG file

MQ Visual Edit will display a list of queue managers from the MO71 MQMON.CFG file that can be selected:

Import Q	ueue Managers	J
?	Select the queue managers to be imported. ————	
	MQWT1	
	MQWT2	
	MQWC1	
	MQWC2	
	MQA1	
	MQWT3	
	MQWT4	
	MQWT5	
	MQFC4_X86_64	
	MQFC4_TWO	
	MQFC9_X86_64	
	Select All	
	Select a group for the queue managers to be imported to:	
	default 👻	
	Time Zone:	
	(UTC-05:00) America/New_York 🗸	
	✓ OK Cancel	

4.6.3 Import from MQ Visual Edit V1 or V2

This section will describe how to import queue manager information from MQ Visual Edit V1 or V2. The queue manager information for MQ Visual Edit V1 or V2 is stored in the end-user's home directory.

Do the following:

- Click File -> Import Queue Manager Settings -> MQ Visual Edit V1 or V2 menu item
- Go to the directory where the *CommProfileDB.properties* file is located and select it

MQ Visual Edit will display a list of queue managers from the *CommProfileDB.properties* file that can be selected:

Import Qu	ieue Managers	x
\bigcirc	Select the queue managers to be imported.	
	MQWT1	<u>^</u>
	MQWT2	
	MQWC1	
	MQWC2	Ξ
	MQA1	
	MQWT3	
	MQWT4	
	MQWT5	
	MQFC4_X86_64	
	MQFC4_TWO	
	MQFC9_X86_64	-
	Select All	
	Select a group for the queue managers to be imported to	o:
	default 👻	
	Time Zone:	
	(UTC-05:00) America/New_York 🗸	
	OK OCancel	

4.6.4 Import from a CCDT File

This section will describe how to import queue manager information from a CCDT file.

Do the following:

- Click *File > Import Queue Manager Settings > CCDT File* menu item
- Go to the directory where the CCDT file is located and select it

MQ Visual Edit will display a list of queue managers from the CCDT file that can be selected:

Import Qu	ieue Managers	J
2	Select the queue managers to be imported	
	MQWT1	
	MQWT2	
	MQWC1	
	MQWC2	
	MQA1	
	MQWT3	
	MQWT4	
	MQWT5	
	MQFC4_X86_64	
	MQFC4_TWO	
	MQFC9_X86_64	
	Select All	
	Select a group for the queue managers to be imported to:	
	default 👻	
	Time Zone:	
	(UTC-05:00) America/New_York	
	V OK Cancel	

4.6.5 Import Local Queue Managers

This section will describe how to import queue manager information from local queue managers (if the end-user has MQ server installed).

Note: On the initial install and usage of MQ Visual Edit, it will collect local queue managers and display the *Import Queue Managers* window with the local queue managers (if any exist).

Do the following:

• Click File -> Import Queue Manager Settings -> Local Queue Managers menu item

MQ Visual Edit will display a list of queue managers from the CCDT file that can be selected:

Import Q	ueue Managers
•	Select the queue managers to be imported.
	Select All Unselect All Select a group for the queue managers to be imported to: default Time Zone: (UTC-05:00) America/New_York OK Cancel

Simply select the queue managers you want to be imported, select the *Group* to be imported in to and select a *Time Zone* then click the *OK* button to finish the import.

Note: Any time the end-user adds a local queue manager to their system, simply follow the above instructions and MQ Visual Edit will display the *Import Queue Managers* window with all local queue managers that do not exist in MQ Visual Edit.
5 Managing a Queue

This chapter will describe the process of selecting, opening and managing a IBM MQ queue.

5.1 Retrieving a List of Queues

This section will describe how to retrieve a list of queues from a local or remote queue manager.

Right click on the queue manager in the 'Queue Manager' dock and select List Queues:



Or the user can do the following, from the main menu of MQ Visual Edit, select **Queue**, select **Open Queue** and then click the **List** button. On the Open Queue panel, select the Queue Manager Access Profile that you want to use.

🏶 Open Queue		
File Help		
1 = 2 2		
Concerning and a set of the	M Queue Queue Name: TEST. Q1 Display Range: 1 To 1000 Open Options Convert on Get Open Options Convert on Get Open Options 2/OS Shared queue is indexed by: Message ID Ocrrelation ID List Queues Mask: Show System Queues Show Temporary Queues	
MQWT4 MQWT5 Vista - MQWV1_64 Vista - MQWV1_64 - S	Queue Type:	
iSeries		

You may optionally:

- Display the SYSTEM.* queues when the mask is set to "*" by selecting or deselecting the **Show System Queues** checkbox.
- Display temporary dynamic queues when the mask is set to "*" by selecting or deselecting the **Show Temporary Queues** checkbox.

Now click the **List** button to retrieve a list of queues from a local or remote queue manager.

For queue managers with hundreds or thousands of queues, you can filter the queue list returned to the user by specifying a mask value. **ABC.*** will return only those queue names that begin with "**ABC.**" i.e.

ABC.HR.Q ABC.PAYROLL.CHECK ABC.SUPPLY.CHAIN.NTR

The user can also combine mask filters together. Use a semi-colon (;) to separate each mask. i.e. ABC.*;XYZ.*;TEST.*

Hence, only queues that begin with 'ABC.', 'XYZ.' and/or 'TEST.' will be shown.

You may also choose to view only a certain type of queue. You may select the queue type from one of the following:

- ALL
- Local Queues only
- Alias Queues only
- Remote Queues only
- Cluster Queues only

Select a queue from the list that you wish to interact with and then click the Select button.

🏶 List of Queues within MQWT1					x
<u>File</u> Sort <u>H</u> elp					
Quick Search	ouble click	to sor	t		
C Queues					
Queue Name	Туре	Depth	Input	Output	
TEST. 01	0 ocal	3	0	0	
TEST.01.AL	0Alias				
TEST.01.BK	OLocal	15	0	0	
TEST.01.R0	ORemote				
TEST.010	OLocal	0	0	0	
TEST.Q11	QLocal	0	0	0	
TEST.Q12	QLocal	0	0	0	
TEST.Q13	QLocal	0	0	0	
TEST.Q14	QLocal	0	0	0	
TEST.Q15	QLocal	0	0	0	
TEST.Q16	QLocal	0	0	0	
TEST.Q17	QLocal	0	0	0	
TEST.Q18	QLocal	0	0	0	
TEST.Q19	QLocal	0	0	0	
TEST.Q2	QLocal	8	0	0	
TEST.Q20	QLocal	0	0	0	
TEST.Q21	QLocal	0	0	0	
TEST.Q22	QLocal	0	0	0	
TEST.Q23	QLocal	0	0	0	
TEST.Q24	QLocal	0	0	0	
TEST.Q25	QLocal	0	0	0	
TEST.Q3	QLocal	0	0	0	
TEST.Q4	QLocal	0	0	0	
TEST.Q5	QLocal	0	0	0	Ξ
TEST.Q6	QLocal	0	0	0	
TEST.Q7	QLocal	0	0	0	
TEST.Q8	QLocal	0	0	0	
TEST.Q9	QLocal	0	0	0	
TEST.R1	QRemote				
TEST.R1.TO.WMQA	QRemote				
TEST.RQ1.MQFC9_TWO	QRemote				
TEST.TRIG.Q1	QLocal	0	0	0	
TEST01.Q1.A	QLocal	0	0	0	
TEST01.Q1.B	QLocal	0	0	0	Ŧ

There are 4 options the user can select:

- Select Selects the currently highlighted queue and returns to the Open Queue window.
- Open Opens 1 or more queues and leaves the 'List of Queues' window open.
- Refresh Refreshes the current list of queues.
- Close Closes the 'List of Queues' window.

5.2 Opening a Queue

This section will describe how to open queue of a local or remote queue manager.

Right click on the queue manager in the 'Queue Manager' dock and select **Open Queue** then select the queue name from the list:

🍀 MQ Visual Edit - I	Days remaining i	in su	bscription: 300					
File Queue Topic	Message Prope	rties	View Favorites Tools Help					
🕨 🛪 📕	▐▙▆₿₿₿₿ጜዸ፟₽₿₿₿₩₩							
Queue Manage	15							
Linux		^						
Solaris								
Windows	\bigtriangledown		6					
Laptop - MQWL	.1							
MQWC1			C C					
MQWT	nen Queue		TEST OI					
MOWT H	ist Queues	5	TEST 02					
👪 мојут 🎽 🖌	ist Queues	5	TEST OR					
MQWT 🚯 C	pen Topic		SYSTEM ADMIN COMMAND EVENT					
MQWT 🕴 L	ist Topics		AUDIT OUFUE THING01					
	dit		TEST.01.BK					
MOWT C R	ename		TEST.015					
MQWT 🔿 N	Nove To	u	TEST.021					
	elete		SYSTEM.ADMIN.QMGR.EVENT					
MQWT3 remote	e - No Exit		SYSTEM.ADMIN.CHANNEL.EVENT					
MOWT3 remote	e - SetUserId							

Or from the main menu of MQ Visual Edit, select **Queue** then **Open Queue**. On the Open Queue panel, select the Queue Manager Access Profile that you want to use.

The following is the Open Queue Dialog panel:

🏶 Open Queue		×
ile Help		
🗧 🞝 💋 📀		
Queue Managers	T Queue	
Linux	Open Queue	
Solaris 🛆	Outrie Nerrei	
	Queue Name:	
Windows	TEST.Q1 🗸 📈	Open
MQWL1		
MQWC1	Display Range: 1 10 1000	
MQWC1 remote - No Exit	Open Options	
MQWC2		
MOWT1 - Test Send Exit	Convertion Get Open Read Only	
MOWT1 remote	Context: Default Context V	
MQWT1 remote - MQCA		
MQWT1 remote - MQCCI	z/OS	
NQWT1 remote - MQCE		
MQWT1 remote - MQCT	Shared queue on z/OS:	
MQWT1 remote - No Exit	The shared queue is indexed by:	
MQWT1 remote - SetUserId	Macrosce ID Correlation ID	
MQWT2	Chreatage 10 Conrelation 10	
MQW12 remote		
MOWIT2 remote - No Exit		
MOWT3	List Queues	
MOWT3 - Test Send Exit	Mask: *	
MQWT3 remote		
MQWT3 remote - MQCT	Show System Queues	
🚑 MQWT3 remote - No Exit	Shaw Temperatu Queues	
NQWT3 remote - SetUserId	Show reliporary Queues	
NQWT4	Queue Type:	
MQWT5	All 🗸 🐺 List	
Vista - MQWV1_64		
VISTA - MQWV1_64 - S		
iSeries 🛆 🗸		

There are 3 ways to input a queue name:

- 1. Type a queue name into the Queue Name field (e.g. TEST.Q1) and click the Open button.
- 2. Use the drop-down box to select a previously inputted queue name.
- 3. You may also use the **List** button to retrieve a queue name.

You may select a range of messages i.e. 1100 to 1200 to be displayed rather than all messages in the queue. The user can also select whether the messages are converted on the get or not.

There are 2 types of options that you can selected: Convert on Get and Context.

- **Convert on Get** this option will instruct MQ Visual Edit to perform a MQGET with the convert option specified. Any message with a different CCSID and / or Encoding will be convert to the local CCSID and /or Encoding (Note: The MQMD.Format field must have the appropriate value specified.).
- Open Read Only this option will disable all features that changed or save the message.
- **Context** this option will instruct MQ Visual Edit on what MQMD Context values should be specified when putting a message to a queue.

Note: For z/OS queue managers, for a shared queue, select the "*Shared queue on z/OS*" checkbox. If the queue is not a shared queue then leave the checkbox unchecked. If the shared queue is indexed by Correlation ID then the user needs to select *Correlation ID* radio button on the Open Queue window. Otherwise, the user will receive Reason Code of 2206.

Now that you have selected a Queue Manager Access Profile in the Queue Manager Dock and filled in the Queue Name field, select the Open button to open the queue.

If you typed TEST.Q1 then main panel may look something like:



You can open a second, third, etc... by selecting **Queue** then **Open Queue**. On the Open Queue panel, select the Queue Manager Access Profile and queue that you would like to open.

🐐 TEST.Q2 on MQWT1		
File Queue Topic Message Proper	s View Favorites Tools Help	
	r 🔁 🗹 💌 🗶 🕞 💼 🛤 🖨 🍢 🗶 🎯	
Queue Managers	TEST.Q1/MQWT1 X -	Message Descriptor
Linux	Data 1 - 50	Field Value
Solaris	1 In MQSeries, intercommunication means sending mess ages from one qu	Accounting Token
Johans		Application Identity
Windows 🗢		Application Origin D
Laptop - MQWL1		Backout Count
MQWC1		Coded Character S
MQWC2		Correlation ID
MQWT1		Data Length

5.3 Refreshing a Queue

This section will describe how to refresh the contents of a queue.

If you have previously opened TEST.Q1, the main panel may look something like:

🐐 TEST.Q1 on MQWT1							
File Queue Topic Messa	ge Pro	pertie	s View F	vorites Tools Help			
		۳.		? 🖉 💌 🐹 🗊 🛍 🛤 👼 📆 🔏 🖲			
Queue Managers			TES	.Q1/MQWT1 X	- 🗖	🙀 Message Descrip	tor
Linux	•	^		Data 1 - 50		Field	Value
			1	Charles John Huffham Dickens, 1812-1870Charles D	ickens led a very	Accounting Token	A
Solaris	Δ		2	In MQSeries, intercommunication means sending mess	ages from one qu	Application Identity	
Windows			3	WebSphere MQ classes for Java (also referred to as	WebSphere MQ bas	Application Origin D	
All anten MOWL1						Backout Count	
						Coded Character S	
MOWCI						Correlation ID	
						Correlation ID in Hex	
MOWEL Test Seed 5						Data Length	

From the main panel of MQ Visual Edit, select Queue, then Refresh Queue.

After the refresh is performed, any new messages added to the queue (since the last time opened or refreshed) will be displayed to the user.

STEST.Q1 on MQWT1					
File Queue Topic Message Prop	erties	View Fa	avorites Tools Help		
Queue Managers		TEST	.Q1/MQWT1 X - 🗆	Message Descrip	tor
Linux	^		Data 1 - 50	Field	Value
		1	Charles John Huffham Dickens, 1812-1870Charles D ickens led a ver	Accounting Token	A
Solaris 🛆		2	In MQSeries, intercommunication means sending mess ages from one qu	Application Identity	
Windows		3	WebSphere MQ classes for Java (also referred to as WebSphere MQ ba	Application Origin D	
		4	In MQSeries, intercommunication means sending mess ages from one qu	Backout Count	
				Coded Character S	
MOWCI				Correlation ID	
MQWC2				Correlation ID in Hex	
MOWT1 - Test Send Evit				Data Length	

5.4 Closing a Queue

This section will describe how to close an open queue.

If you have previously opened TEST.Q1, the main panel may look something like:

🐐 TEST.Q1 on MQWT1						
File Queue Topic Mess	sage Pro	pertie	s View Fa	vorites Tools Help		
📔 🔁 📕 📭		۳.	a" 🖸	? 🖉 💌 📉 🗊 🛱 🌲 📆 🔏 💿		
Queue Managers			TEST	.Q1/MQWT1 X _ 🗖	🕌 Message Descrip	itor
Linux	^	^		Data 1 - 50	Field	Value
Linux			1	Charles John Huffham Dickens, 1812-1870Charles D ickens led a very	Accounting Token	
Solaris	\bigtriangleup		2	In MQSeries, intercommunication means sending mess ages from one qu	Application Identity	
Windows			3	WebSphere MQ classes for Java (also referred to as WebSphere MQ ba	Application Origin D	
Relation MOWL1					Backout Count	
					Coded Character S	
MQWC1					Correlation ID	
MQWC2					Correlation ID in Hex	
MOWT1	E.A.				Data Length	

From the main panel of MQ Visual Edit, select Queue, then Close Queue.

Performing the Close queue option, disconnects from the queue manager and clears the main panel display.



If the user has one or more queues open, then a quick and convenient way to close all of the queues is to select **Queue**, then **Close All Queues**.

5.5 Backing up a Queue

This section will describe how to backup all or selected messages in a queue including the MQMD and the message data to a Backup file. A Backup file can be either a SQLite Database or a VEQ formatted file.

If you have previously opened TEST.Q1, the main panel may look something like:



First, select one or more messages in the queue, then from the main panel of MQ Visual Edit, select **Queue**, then **Backup Queue**.

The user can select the type of Backup file (SQLite database or VEQ formatted file), the directory and/or filename and whether the messages should be appended or a new file is to be created.

ckup Queue	X
File Format Backup messages to SQLite database Backup messages to VEQ formatted file	
Backup File File Name	
E:\TestData\MQWT1_TEST.Q1_2019-10-08.mqsdb	Browse
File Handling	Save

To change the directory, click the *Browse* button and then select a new directory and the name of file then click **Save**.

/e					 ×
Save in	: 🕕 temp		•) 🤌 📂 🛄 -	
Recent Items	test1.veq test2.veq test3.veq test8.veq				
Desktop	test45.ve	1			
L My Documents					
Computer					
Computer	File name:				Save

Once the user is happy with the values on the Backup Queue window, then click the *Save* button. When the selected messages have been successfully backed up, you will be notified.



5.6 Restoring a Queue

This section will describe how to restore messages to a queue from a Backup file. A Backup file can be either a SQLite Database (*.mqsdb) or a VEQ formatted file (*.veq).

If you have previously opened TEST.Q1, the main panel may look something like:

🐐 TEST.Q1 on MQWT1							- D X
File Queue Topic Mes	sage Pro	pertie	s View F	avorites Tools Help			
$\blacksquare \blacksquare $							
Queue Managers			TES	T.Q1/MQWT1 X	- 🗖	4 Message Descrip	tor
Linux		^		Data 1 - 50		Field	Value
	_		1	Charles John Huffham Dickens, 1812-1870Charles D	ickens led a very	Accounting Token	
Solaris	\bigtriangleup		2	In MQSeries, intercommunication means sending mess	ages from one qu	Application Identity	
Windows			3	WebSphere MQ classes for Java (also referred to as	WebSphere MQ bas	Application Origin D	
All anten MOWI 1	-					Backout Count	
MOWC1						Coded Character S	
MQWCI						Correlation ID	
MQWC2						Correlation ID in Hex	
MQWT1	in a					Data Length	

From the main panel of MQ Visual Edit, select Queue, then Restore Queue.

Select the directory and a MQVE Backup File (*.mqsdb or *.veq) then click **Open**.



After the Restore action has been performed, the main panel may look something like (green means the messages were inserted):

🗱 TEST.Q1 on MQWT1					x			
File Queue Topic Message Properties View I	ile Queue Topic Message Properties View Favorites Tools Help							
$ \models \approx \blacksquare \models \models \models \models \models \land \land \models \models \models \models$								
🔇 Queue Managers 🔛 🖬 TES	st.q1/MQWT1 ×	- 🗆	Message Descript	tor				
Linux	Data 1 - 50		Field	Value				
1	Charles John Huffham Dickens, 1812-1870Charles D	ickens led a very	Accounting Token					
Solaris 🛆 2	WebSphere MQ classes for Java (also referred to as	WebSphere MQ bas	Application Identity	(
Windows 3	In MQSeries, intercommunication means sending mess	ages from one qu	Application Origin D					
4	Charles John Huffham Dickens, 1812-1870Charles D	ickens led a ver	Backout Count					
Laptop - MQWL1 5	WebSphere MQ classes for Java (also referred to as	WebSphere MQ ba	Coded Character S					
6 MQWC1	In MQSeries, intercommunication means sending mess	ages from one qui	Correlation ID					
MQWC2			Correlation ID in Hex					
MOWT1 - Test Send Exit			Data Length					

5.7 Clearing a Queue

This section will describe how to clear the contents of a queue.

If you have previously opened TEST.Q1, the main panel may look something like:

🐐 TEST.Q1 on MQWT1							
File Queue Topic Mess	age Prop	oertie	s View F	avorites Tools Help			
		1	ď [} 🖉 🔊 🗶 🦕 🗊 🛍 🛤 👼 📆 🔏 🌘			
Queue Managers			TES	T.Q1/MQWT1 X	- 🗖	🙀 Message Descrip	tor
Linux		^		Data 1 - 50		Field	Value
	_		1	Charles John Huffham Dickens, 1812-1870Charles D	ickens led a ver	Accounting Token	A
Solaris	\bigtriangleup		2	In MQSeries, intercommunication means sending mess a	ages from one qu	Application Identity	
Windows			3	WebSphere MQ classes for Java (also referred to as	WebSphere MQ bas	Application Origin D	
						Backout Count	
Laptop - MQVVL1						Coded Character S	
MQWCI						Correlation ID	
MQWC2	_					Correlation ID in Hex	
MQW11	Ewit					Data Length	

From the main panel of MQ Visual Edit, select Queue, then Clear Queue.

Click Yes if you are sure that you want the delete ALL of the messages on the queue. Note: There is no undo function for the Clear Queue option.



You will be notified when the queue has been cleared.



After the Clear Queue action has been performed, the main panel may look something like (red means messages were deleted):

🐐 TEST.Q1 on MQWT1						x
File Queue Topic Messa	age Propertie	s View Fa	avorites Tools Help			
		▞	? 🖉 💌 🐹 🗊 🛍 🏘 🖨 📆 🔏 🞯			
Queue Managers		TEST	.Q1/MQWT1 X _ 🗆	🕌 Message Descrip	tor	
Linux	A 1		Data 1 - 50	Field	Value	
Linda	_	1	Charles John Huffham Dickens, 1812-1870Charles D ickens led a ver	Accounting Token		
Solaris		2	WebSphere MQ classes for Java (also referred to as WebSphere MQ ba	Application Identity		
Windows		3	In MQSeries, intercommunication means sending mess ages from one qu	Application Origin D		
All anten MOWL1				Backout Count		
				Coded Character S		
MOWCI				Correlation ID		
MOWEL				Correlation ID in Hex		
MOWT1 Test Sand	Evit			Data Length		

5.8 Clearing a Queue by ID

This section will describe how to clear messages from a queue that match a Message ID or Correlation ID or both.

If you have previously opened TEST.Q1, the main panel may look something like:



From the main panel of MQ Visual Edit, select Queue then Clear Queue by ID.

Input a hexadecimal string (HEX) into the Message ID or Correlation ID or both fields. It MUST be 48 digits long. Make sure to click the appropriate check box (Message ID or Correlation ID or both) for the search criteria. You may also invert the search and deletion of messages. Click the "Remove all messages without matching ID(s)", to delete all messages that do NOT contain the user specified search string.

Delete	X
?	Clear Queue by ID : Message ID: Hex Data: Correlation ID:
	Hex Data: Remove all messages WITH matching ID(s). Remove all messages WITHOUT matching ID(s).
	V Cancel

Click **Ok** to proceed to the next step. It will now search the queue for messages match the user's search string.

(?)	3 messages match your criteria.
-	Do you want to delete the matching messages?
	Note: There is no undo function.
	V
	<u>Yes</u> <u>N</u> o

Click **Yes** if you are sure that you want the to delete the number of messages specified. Note: There is no undo function for the Clear Queue option. After the Clear Queue action has been performed, the main panel may look something like (red means messages were deleted):

STEST.Q1 on MQWT1							X
File Queue Topic Mes	sage Pro	perties	s View Fa	ivorites Tools Help			
🕨 🏽 🖳 🖡		4		2 🖉 💌 📉 🗊 🛍 🏘 🖶 🔀 🞯			
Queue Managers			TEST	.Q1/MQWT1 × _ 🗖	🕌 Message Descrip	tor	
Linux		*		Data 1 - 50	Field	Value	
	_		1	Charles John Huffham Dickens, 1812-1870Charles D ickens led a ver	Accounting Token		
Solaris	\bigtriangleup		2	WebSphere MQ classes for Java (also referred to as WebSphere MQ ba	Application Identity		
Windows	\bigtriangledown		3	In MQSeries, intercommunication means sending mess ages from one qu	Application Origin D		
Relianten MOWL1					Backout Count		
					Coded Character S		
MOWCI					Correlation ID		
	_				Correlation ID in Hex		
MOWT1 Test Sond	Esit				Data Length		

5.9 Clearing a Queue by Time

This section will describe how to clear messages from a queue that are older than "x" hours or "x" days.

If you have previously opened TEST.Q1, the main panel may look something like:



From the main panel of MQ Visual Edit, select Queue then Clear Queue by Date/Time.

Input a number value and then select the radio button that the value represents (i.e. hours or days).

Delete		×
?	Remove messages that ar	e older than
	✓ ОК	🖉 Cancel

Click **Ok** to proceed to the next step. It will now search the queue for messages older than the criteria you specified.



Click **Yes** if you are sure that you want the to delete the number of messages specified. Note: There is no undo function for the Clear Queue option. After the Clear Queue action has been performed, the main panel may look something like (red means messages were deleted):

🐐 TEST.Q1 on MQWT1						- • ×
File Queue Topic Mes	sage Prop	erties	s View Fa	ivorites Tools Help		
🕨 🏽 🖳 🖡				? 🖉 💌 📉 🗊 🛍 🛤 🗮 📆 🔀 🞯		
Queue Managers			TEST	.Q1/MQWT1 × _ 🗆	Hessage Descrip	tor
Linux		^		Data 1 - 50	Field	Value
	_		1	Charles John Huffham Dickens, 1812-1870Charles D ickens led a ver	Accounting Token	
Solaris	\bigtriangleup		2	WebSphere MQ classes for Java (also referred to as WebSphere MQ ba	Application Identity	
Windows			3	In MQSeries, intercommunication means sending mess ages from one qu	Application Origin D	
Relation MOWL1					Backout Count	
					Coded Character S	
MOWCI					Correlation ID	
	_				Correlation ID in Hex	
MOWT1 Test Sond	E E GIA				Data Length	

5.10 Clearing a Queue by Matching String

This section will describe how to clear messages from a queue that match a particular string.

If you have previously opened TEST.Q1, the main panel may look something like:

🐐 TEST.Q1 on MQWT1							
File Queue Topic Messa	ge Pro	pertie	s View F	ivorites Tools Help			
		۳.	▞	? 🖉 💌 🐹 🗊 🛱 🛤 🖶 🔀 🎯			
Queue Managers			TES	.Q1/MQWT1 X	- 🗖	🕌 Message Descript	tor
Linux		~		Data 1 - 50		Field	Value
Linux	_		1	Charles John Huffham Dickens, 1812-1870Charles D ickens	led a very	Accounting Token	A
Solaris	Δ		2	In MQSeries, intercommunication means sending mess ages f	rom one qu	Application Identity	
Windows			3	WebSphere MQ classes for Java (also referred to as WebSp	here MQ bas	Application Origin D	
All anten MOWI 1						Backout Count	
						Coded Character S	
MOWCZ						Correlation ID	
						Correlation ID in Hex	
MOWT1 Test Cond E						Data Length	

From the main panel of MQ Visual Edit, select Queue then Clear Queue by Matching String.

Delete	
?	Search String:
	Case Sensitive
	 Remove all messages WITH the search string. Remove all messages WITHOUT the search string.
	V OK Cancel

Input a string (alpha or numeric) that you wish to match messages on. The user may also select the "Case Sensitive" check box to make the search process case sensitive.

You may also invert the search and deletion of messages. Click the "Remove all messages without the search string", to delete all messages that do NOT contain the user specified search string.

Click **Ok** to proceed to the next step. It will now search the queue for messages match the user's search string.



Click **Yes** if you are sure that you want the to delete the number of messages specified. Note: There is no undo function for the Clear Queue option. After the Clear Queue action has been performed, the main panel may look something like (red means messages were deleted):

🐐 TEST.Q1 on MQWT1							x
File Queue Topic Me	ssage Propertie	s View Fa	avorites Tools Help				
	5 B 1		} 🖉 💌 🐹 🗊 🛍 🏘 🖶 📆 🗶				
Queue Managers		TEST	.Q1/MQWT1 ×	. 🗖	🕌 Message Descrip	tor	
Linux	A *		Data 1 - 50		Field	Value	
Linux	_	1	Charles John Huffham Dickens, 1812-1870Charles D ickens led a	ver	Accounting Token		
Solaris		2	WebSphere MQ classes for Java (also referred to as WebSphere M	ζba	Application Identity		
Windows		3	In MQSeries, intercommunication means sending mess ages from on	e qu	Application Origin D		
Relation MOWL1					Backout Count		
					Coded Character S		
MQWC1					Correlation ID		
MQWC2					Correlation ID in Hex		
MOWTI Test See	d Evit				Data Length		

6 Managing a Topic

This chapter will describe the process of selecting, opening and managing a IBM MQ topic.

6.1 Retrieving a List of Topics

This section will describe how to retrieve a list of topics from a local or remote queue manager.

Right click on the queue manager in the 'Queue Manager' dock and select List Topics:



Or the user can do the following, from the main menu of MQ Visual Edit, select **Topic**, select **Open Topic** and then click the **List** button. On the Open Topic panel, select the Queue Manager Access Profile that you want to use.

🍀 Open Topic		×
File Help		
ि = = € 0		
Queue Managers	Topic	
Linux 🛆	Open Topic	
Solaris 🛆 🗕	test	
Windows 🗢		
Ag Laptop - MQWL1 MQWC1 MQWC2	Topic Name:	
MQWT1	Open Options	n I I
MQWT1 - Test Send Exit	Convert on Get	
MQWT1 remote - MQCA	Open Read Only	
MOWT1 remote - MOCE	Context: Default Context -	
MQWT1 remote - MQCT		
MQWT1 remote - No Exit	List Topics	
MQWT2	Marke #	
MQWT2 remote		
MQWT2 remote - SetUserId	Show System Topics	
MQWT3 - Test Send Exit		- 1
MQWT3 remote		
MQWT3 remote - MQCT		
MOWT3 remote - No Exit		
MOWT4		

You may optionally display the SYSTEM.# topics when the mask is set to "#" by selecting or deselecting the **Show System Topics** checkbox.

Now select the List button to retrieve a list of topics from a local or remote queue manager.

For queue managers with hundreds or thousands of topics, you can filter the topic list returned to the user by specifying a mask value. XYZ# will return only those topic names that begin with "XYZ" i.e. XYZ/PAYROLL/CUTOFF

XYZ/SUPPLY/CHAIN

The user can also combine mask filters together. Use a semi-colon (;) to separate each mask. i.e.

ABC#;XYZ#;TEST#

Hence, only topics that begin with 'ABC', 'XYZ' and/or 'TEST' will be shown.

Select a topic from the list that you wish to interact with and then click the Select button.

le <u>S</u> ort <u>H</u> elp							
Topics		0.11	D 11	D. L. B. J.	a 1 - 1 - 1		
Topics Topic String	Topic Name	Durable	Persistence	Publications	Subscriptions	Pub Count	Sub Count
Topic String	Topic Name	Durable Yes	Persistence No	Publications Allowed	Subscriptions Allowed	Pub Count	Sub Count
Topics Topic String	Topic Name	Durable Yes Yes	Persistence No No	Publications Allowed Allowed	Subscriptions Allowed Inhibit	Pub Count 0 0	Sub Count 0 0
Topics Topic String /Test .NULL. testTopic	Topic Name NULLTOPIC	Durable Yes Yes Yes	Persistence No No	Publications Allowed Allowed Allowed	Subscriptions Allowed Inhibit Allowed	Pub Count 0 0 2	Sub Count 0 0 2

There are 4 options the user can select:

- Select Selects the currently highlighted topic and returns to the Open Topic window.
- Open Opens 1 or more topics and leaves the 'List of Topics' window open.
- Refresh Refreshes the current list of topics.
- Close Closes the 'List of Topics' window.

6.2 Opening a Topic

This section will describe how to open topic of a local or remote queue manager.

Right click on the queue manager in the 'Queue Manager' dock and select **Open Topic** then select the topic name from the list:

🍀 MQ Visual Edit	- Days remainir	ng in subscription: 300
File Queue Topi	c Message Pro	operties View Favorites
🕨 🔁 🔳	🖪 📕	▝▖▞▏₽▐▌
Queue Mana	igers	
Linux		^
Solaris	\bigtriangleup	
Windows	\bigtriangledown	
Laptop - MQ MQWC1 MQWC2	WL1	
	Open Queue List Queues	•
A MOW B	Open Topic 🔇	💽 🔩 testTopic
MQW1	List Topics	🔩 /Test
	Edit	/Test/Roger
🖉 MQW1 💷	Rename	
	Move To	•
	Delete	

or from the main menu of MQ Visual Edit, select **Topic** then **Open Topic**. On the Open Topic panel, select the Queue Manager Access Profile that you want to use.

The following is the Open Topic Dialog panel:

File Help	×
Course Managers Course Co	
Queue Managers Linux Open Topic Topic String: Topic String: Topic Night T	
Linux Open Topic Solaris Windows Laptop - MQWL1 MQWC2 Open Options Open Options	
Solaris	
Windows Topic Name: MQWC1 MQWC2 MQWC2 Open Options	
Implement representation Implement representation Implement representation Implement Coen Options	
Image: Convertion Get Image: Convertion Get <td< th=""><th></th></td<>	

There are 3 ways to input a topic name:

- 1. Type a topic string into the **Topic String** field (e.g. test/one) and click the **Open** button.
- 2. Use the drop-down box to select a previously inputted topic name.
- 3. You may also use the List button to retrieve a topic name.

The *Topic Name* is the name of a predefined node in the topic tree. An administrator can define certain nodes within a topic tree as administered nodes. The administered nodes can have properties

assigned to them. They are generally used for security purposes. Administered nodes are given a name (up to 48 characters). If a topic name is specified the node serves as the base (root node) that the topic string starts from. The topic name does not have to have any relationship with the actual location within a topic tree.

The use of topic names is optional. The entire topic string can be entered within the topic string field. If a topic name is used then the topic string should be relative to this point in the topic tree.

There are 2 types of options that you can selected: Convert on Get and Context.

- **Convert on Get** this option will instruct MQ Visual Edit to perform a MQGET with the convert option specified. Any message with a different CCSID and / or Encoding will be convert to the local CCSID and /or Encoding (Note: The MQMD.Format field must have the appropriate value specified.).
- Open Read Only this option will disable all features that changed or save the message.
- **Context** this option will instruct MQ Visual Edit on what MQMD Context values should be specified when putting a message to a topic.

Now that you have selected a Queue Manager Access Profile and filled in the Topic Name field, select the Open button to open the topic.

If you typed *testTopic* then main panel may look something like:

🍀 testTopic on MQWT1						- D X
File Queue Topic Mes	age Properties	s View F	avorites Tools Help			
📔 🛪 📕 頂) 🖪 堶		? 🖉 🔳 📈 🗊 🛍 🛤 🖨 🛃 🔏 🞯]		
Queue Managers		< test	Topic / MQWT1 X	- 🗆	🕌 Message Descript	tor
Linux	△ ^	_	Data 1 - 50		Field	Value
Solaris		0	Your lucky number today is 480		Accounting Token Application Identity	^
Windows		2	Your lucky number today is 451		Application Origin D	
A Laptop - MQWL1 MQWC1 MQWC2 MQWT1 MQWT1	Evit	3	TOUR TUCKY NUMBER LOUAY IS 491		Coded Character S Correlation ID Correlation ID in Hex Data Length	

You can open a second, third, etc... by selecting **Topic** then **Open Topic**. On the Open Topic panel, select the Queue Manager Access Profile and topic that you would like to open.

Note: The topic displayed will be automatically updated as new topic messages arrive. Hence, there is no refresh menu item or toolbar button.

6.3 Closing a Topic

This section will describe how to close an open topic.

If you have previously opened *testTopic*, the main panel may look something like:

🐐 testTopic on MQWT1							- D X
File Queue Topic Mes	sage Pro	pertie	s View F	avorites Tools Help			
🖡 🔁 🖌 🚺	$ \mathrel{\textcircled{\baselineskip}} \mathrel{\textcircled{\baselineskip}} \mathrel{\textcircled{\baselineskip}} \mathrel{\textcircled{\baselineskip}} \mathrel{\textcircled{\baselineskip}} \mathrel{\textcircled{\baselineskip}} \mathrel{\textcircled{\baselineskip}} \mathrel{\textcircled{\baselineskip}} \mathrel{\textcircled{\baselineskip}} \mathrel{\textcircled{\baselineskip}} \mathrel{\textcircled{\baselineskip}} \mathrel{\textcircled{\baselineskip}} \mathrel{\textcircled{\baselineskip}} \mathrel{\textcircled{\baselineskip}} \mathrel{\textcircled{\baselineskip}} \mathrel{\textcircled{\baselineskip}} \mathrel{\textcircled{\baselineskip}} \mathrel{\textcircled{\baselineskip}} \mathrel{\textcircled{\baselineskip}} \mathrel{\textcircled{\baselineskip}} \mathrel{\textcircled{\baselineskip}} \mathrel{\textcircled{\baselineskip}} \mathrel{\textcircled{\baselineskip}} \mathrel{\textcircled{\baselineskip}} $						
Queue Managers			< test	Topic / MQWT1 X	- 🗆	🙀 Message Descrip	tor
Linux	•	•		Data 1 - 50		Field	Value
			0	Your lucky number today is 450		Accounting Token	A
Solaris	Δ		1	Your lucky number today is 480		Application Identity	
Windows			2	Your lucky number today is 451		Application Origin D	
All anten MOWL1	-		3	Your lucky number today is 481		Backout Count	
						Coded Character S	
MQWCI						Correlation ID	
MQWC2						Correlation ID in Hex	
MOWT1	i mus					Data Length	

From the main panel of MQ Visual Edit, select **Topic**, then **Close Topic**.

Performing the Close topic option, disconnects from the queue manager and clears the main panel display.



If the user has one or more topics open, then a quick and convenient way to close all of the topics is to select **Topic**, then **Close All Topics**.

6.4 Backing up a Topic

This section will describe how to backup all or selected messages in a queue including the MQMD and the message data to a Backup file. A Backup file can be either a SQLite Database or a VEQ formatted file.

If you have previously opened *testTopic*, the main panel may look something like:



First, select one or more messages in the topic, then from the main panel of MQ Visual Edit, select **Topic**, then **Backup Topic**.

The user can select the type of Backup file (SQLite database or VEQ formatted file), the directory and/or filename and whether the messages should be appended or a new file is to be created.

File Format	
 Backup messages to SQLite database Backup messages to VEQ formatted file 	
Backup File File Name	
E:\TestDataMQWT1_test_2019-10-08.mqsdb	Browse
File Handling	
Oreate a new Backup File	Save
	O Cancel

To change the directory, click the *Browse* button and then select a new directory and the name of file then click **Save**.

2				
Save in	test1.veq		• 🦻 🖻 🎫 •	
Recent I tems	test45.ved	4		
My Documents				
Computer				
Computer	File <u>n</u> ame:			Save

Once the user is happy with the values on the Backup Topic window, then click the *Save* button. When the selected messages have been successfully backed up, you will be notified.



6.5 Restoring a Topic

This section will describe how to restore messages to a topic from a Backup file. A Backup file can be either a SQLite Database (*.mqsdb) or a VEQ formatted file (*.veq).

If you have previously opened *testTopic*, the main panel may look something like:

🍀 testTopic on MQWT1								x
File Queue Topic Mes	sage Pro	pertie	s View F	avorites Tools Help				
🖡 🛛 🖌 🚺	▶ ≈ ■ ▶ ⊠ 1 # • ∠ ■ ■ ★ □ € # ● ₹ ★ ●							
Queue Managers			< test	Topic / MQWT1 X	- 🗖	Message Descrip	itor	
Linux	^	^		Data 1 - 50		Field	Value	
	-		0	Your lucky number today is 450		Accounting Token		
Solaris	\bigtriangleup		1	Your lucky number today is 480		Application Identity		
Windows			2	Your lucky number today is 451		Application Origin D		
All sates MOWL1			3	Your lucky number today is 481		Backout Count		
MOWC1						Coded Character S		
MQWC1						Correlation ID		
						Correlation ID in Hex		
MOWT1 Test Sept	i mate					Data Length		

From the main panel of MQ Visual Edit, select **Topic**, then **Restore Topic**.

Select the directory and a MQVE Backup file (*.mqsdb or *.veq) then click **Open**.



After the Restore action has been performed, the main panel may look something like (green means the messages were inserted):

# testTopic on MQWT1				- 0 X
File Queue Topic Message Propert	ies View	Favorites Tools Help		
886	i i ti	2 🖉 🔳 🗶 🗊 🛱 🖨 🔁 🔀 💿		
🔇 Queue Managers	4	estTopic / MQWT1 🗙 📃 🗖	Message Descrip	tor
Linux 🛆 ^		Data 1 - 50	Field	Value
Calasta	157	Your lucky number today is 631	Accounting Token	A
Solaris 🛆	158	Your lucky number today is 670	Application Identity	
Windows 🗢	159	Your lucky number today is 632	Application Origin D	
A Laptop - MOWL1	160	Your lucky number today is 671	Backout Count	
MOWC1	161	Your Tucky number today 1s 633	Coded Character S	
MQWC2	162	Your Tucky number today 15 672	Correlation ID	
MQWT1	163	Your Tucky number today 15 634	Correlation to in Hex	
MQWT1 - Test Send Exit	164	Your Tucky number today 15 6/3	Foredon	
MQWT1 remote	165	Your Tucky number today is 656	Every Interval	
MQWT1 remote - MQCT	160	Your Tucky number today is 6/5	Eaglback Code	E
MQWT1 remote - No Exit	107	Your Tucky number Today is 635	Format	
MQWT1 remote - SetUserId	100	Your lucky number today is 620	Group ID	
MQWT2	101	Your lucky number today is 677	Group ID in Hex	
MQWT2 remote	171	Your lucky number today is 639	Logical Sequence N	
MQWT2 remote - SetUserId	175	Your lucky number today 1s 679	Message Flags	
MQWT3	171	Your lucky number today is 640	Message ID	
MQWT3 - Test Send Exit	176	Your lucky number today is 680	Message ID in Hex	
MQWT3 remote	175	Your lucky number today is 641	Message Type	
MQWT3 remote - MQCT	176	Your lucky number today is 681	Offset	
MQW13 remote - No Exit	177	Your lucky number today is 643	Original Length	
MQW13 remote - SetUser10	178	Your lucky number today is 683	Persistence	
VISTA - MQWV1_64	179	Your lucky number today is 644	Priority	
V818 - MQWV1_64 - 5	180	Your lucky number today is 684	Put-Application Name	
dalanda	181	Your lucky number today 1s 645	Dut-Annivation Tuna	
Cueue Status	182	Your lucky number today is 685	Named Propertie	
	183	Your lucky number today 1s 646	-	
Field Value	184	Your lucky number today is 686	Name	Value
Current Depth	185	Your lucky number today is 647		
Maximum Depth	186	Your lucky number today 15 68/		
Type	187	Charles John Huffham Dickens, 1812-1870Charles D		
Open Input Count	185	webSphere MQ classes for Java (also referred to as		
Open Output C	185	In MQSeries, intercommunication means sending mess		
Get	190	Tour Hucky pumper today 15 648	1	
Put	191	Tour Tucky number today 15 688		

7 Manipulating the Messages

This chapter will describe the process of selecting, opening and managing a IBM MQ queue and topic.

7.1 Cut a Message

This section will describe how to cut a message from the queue or topic and store it in the system clipboard.

If you have previously opened TEST.Q1, the main panel may look something like:



From the main panel of MQ Visual Edit, select Message, then Cut Message.



Click **Yes** if you are sure that you want the message to be deleted. Note: There is no undo function for the delete message option.

The main panel is updated with the message cut from the queue (red means messages were deleted).

*	TEST.Q1 on MQWT1							
File	Queue Topic Messa	ige Pro	pertie	s View F	avorites Tools Help			
	di in the second		۳.,	▞	? 🖉 🕙 🐹 🖓 🗊 🛍 🛤 👼 📆 🔀 🤇	0		
	Queue Managers			TES	r.q1/MQWT1 ×	- 🗆	📕 Message Descrip	tor
	Linux	•	^		Data 1 - 50		Field	Value
	LINUX			1	Charles John Huffham Dickens, 1812-1870Charles D	ickens led a very	Accounting Token	úæl Õê€Â ▲
	Solaris			2	WebSphere MQ classes for Java (also referred to as	WebSphere MQ ba	Application Identity	
	Windows			3	In MQSeries, intercommunication means sending mess	ages from one qu	Application Origin D	
	Relation MOWI 1	-					Backout Count	0
							Coded Character S	437
	MOWCI						Correlation ID	
							Correlation ID in Hex	00000000000000
	MOWT1 Test Cond B	Es.it					Data Length	500

7.2 Copy a Message

This section will describe how to copy a message from the queue or topic and store it in the system clipboard.

If you have previously opened TEST.Q1, the main panel may look something like:

🀐 TEST.Q1 on MQWT1						_ D X
File Queue Topic Mess	age Pro	pertie	s View	avorites Tools Help		
		۳.	a " [2 🖉 🕅 🐹 🗊 🛱 🌲 📆 🔏 🞯		
Queue Managers			TE TE	T.Q1/MQWT1 X _ 🗆	Message Descrip	tor
Linux		^		Data 1 - 50	Field	Value
Solaris			1	Charles John Huffham Dickens, 1812-1870Charles D ickens led a very	Accounting Token	<u> </u>
Windows	_		3	In MQSeries, intercommunication means sending mess ages from one qu	Application Origin D	
Wildows	~				Backout Count	
					Coded Character S	
MOWC2					Correlation ID	
MOWT1					Correlation ID in Hex	
					Data Length	

From the main panel of MQ Visual Edit, select Message, then Copy Message.

There will be no change to the main panel. The copy action copies the message contents to the system clipboard.

7.3 Paste a Message

This section will describe how to paste a message from the system clipboard to the opened queue or opened topic.

If you have previously opened TEST.Q1, the main panel may look something like:



From the main panel of MQ Visual Edit, select Message, then Paste Message.

The main panel is updated with the message pasted from the system clipboard.



7.4 Edit a Message

This section will describe how to edit a message in the opened queue or topic.

If you have previously opened TEST.Q1, the main panel may look something like:

🐐 TEST.Q1 on MQWT1								
File Queue Topic Messi	age Pro	pertie	s View F	avorites Tools Help				
$[\boxed{\texttt{B}} \approx \boxed{\texttt{B}} \boxed{\texttt{B}} \approx \boxed{\texttt{C}} \boxed{\texttt{C}} \approx \boxed{\texttt{C}$								
Queue Managers			TES	r.q1/mqwt1 ×	- 🗆	🕌 Message Descrip	tor	
Linux		~		Data 1 - 50		Field	Value	
			1	Charles John Huffham Dickens, 1812-1870Charles D	ickens led a very	Accounting Token		
Solaris	Δ		2	WebSphere MQ classes for Java (also referred to as	WebSphere MQ ba:	Application Identity		1
Windows	\bigtriangledown		3	In MQSeries, intercommunication means sending mess	ages from one qu	Application Origin D		
All anton - MOW/L1						Backout Count		
MOWC1						Coded Character S		
MOWCI						Correlation ID		
MQWC2						Correlation ID in Hex		
MOWIT						Data Length		

From the main panel of MQ Visual Edit, select Message, then Edit Message.

🐐 Message Edit
File Edit Message View Help
l 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Vew Message Data Message Data Message Descriptor Named Properties Message Data Im MQSeries, intercommunication means sending messages from one queue manager to another. T is the of the world. It could be running on the same machine or another; nearby or on the other side of the world. It could be running on the same platform as the local queue manager, or c ould be on any of the platform supported by MQSeries. This is called a distributed environment. MQSeries handles communication in a distributed environment such as this using Distributed QMMOSeries. This is called a distributed environment. MQSeries handles communication in a distributed environment such as this using Distributed QMMOSeries. This is called a distributed environment. MQSeries handles communication in a distributed environment such as this using Distributed QMMOSeries. This is called a distributed environment (QMMOSeries). Vewer Imager is sometimes called the target queue manager or the partner queue manager. JSON Viewer Imager is sometimes called the target queue manager or the partner queue manager. S S Fixed Width Fixed Width Viewer Imager Imager EBCDIC Hex Data Imager BECDIC EBCDIC Hex Data Imager
Row=1 Column=1 Total Rows=3 Wrap Text=On Insert=On

You can now edit, updated or delete sections of the message text. Clicking the **Save** button will delete the old copy of the message and insert the new updated message into the queue. From the Message Edit panel, the user can select to save the contents to a file or load data from a file. Click the **Load** button to load data from a file or click the **Save** button to save the message data to a file. For more information about the features / functions for the Raw tab, go to the Raw Data section in Chapter 8.

The main panel is updated with the new message from the editing session:



7.5 Edit a Message in Hex

This section will describe how to edit a message in Hex from the opened queue or topic.

If you have previously opened TEST.Q1, the main panel may look something like:

🐐 TEST.Q1 on MQWT1									
File Queue Topic Messi	age Pro	pertie	s View f	avorites Tools Help					
		۳.,	ď [2 🖉 🐑 🗶 🗊 🛍 🏔 🗒 🔀	2				
Queue Managers	😮 Queue Managers 📃 🖬 TEST.Q1/MQWT1 X								
Linux		~		Data 1 - 50		Field	Value		
Linux			1	Charles John Huffham Dickens, 1812-1870Charles D	ickens led a very	Accounting Token	A		
Solaris	Δ		2	WebSphere MQ classes for Java (also referred to as	WebSphere MQ ba:	Application Identity			
Windows			3	In MQSeries, intercommunication means sending mess	ages from one qu	Application Origin D			
All anten MOWI 1						Backout Count			
						Coded Character S			
MOWCI						Correlation ID			
						Correlation ID in Hex			
MQW11						Data Length			

From the main panel of MQ Visual Edit, select Message, then Edit Message in Hex.

4	Hex Messa	ge Eo	lit															×
E	ile <u>E</u> dit <u>H</u> elp	þ																
	S 📄			Ŕ	8	?												
	🛃 Hex Data																	
	Address	0	1	2	3	4	5	6	7	8	9	Α	в	с	D	Е	F	Text
	00000000	57	65	62	53	70	68	65	72	65	20	4D	51	20	63	6C	61	WebSphere MQ cla 🔺
	00000010	73	73	65	73	20	66	6F	72	20	4A	61	76	61	20	28	61	sses for Java (a
	00000020	6C	73	6F	20	72	65	66	65	72	72	65	64	20	74	6F	20	lso referred to
	00000030	61	73	20	57	65	62	53	70	68	65	72	65	20	4D	51	20	as WebSphere MQ
	00000040	62	61	73	65	20	4A	61	76	61	29	61	6C	6C	6F	77	20	base Java)allow
	00000050	61	20	70	72	6F	67	72	61	6D	20	77	72	69	74	74	65	a program writte
	00000060	6E	20	69	6E	20	74	68	65	20	4A	61	76	61	20	70	72	n in the Java pr
	00000070	6F	67	72	61	6D	6D	69	6E	67	20	6C	61	6E	67	75	61	ogramming langua
	00000080	67	65	20	74	6F	3A	0 A	2D	20	43	6F	6E	6E	65	63	74	ge to: - Connect
	00000090	20	74	6F	20	57	65	62	53	70	68	65	72	65	20	4D	51	to WebSphere MQ
	000000A0	20	61	73	20	61	20	57	65	62	53	70	68	65	72	65	20	as a WebSphere
	000000B0	4D	51	20	63	6C	69	65	6E	74	0 A	2D	20	43	6F	6E	6E	MQ client - Conn
	000000C0	65	63	74	20	64	69	72	65	63	74	6C	79	20	74	6F	20	ect directly to
	000000D0	61	20	57	65	62	53	70	68	65	72	65	20	4D	51	20	73	a WebSphere MQ s

You can now edit in hex sections of the message text. Clicking the Save button will delete the old copy of the message and insert the new updated message into the queue.

The main panel is updated with the new message from the editing session.

🐐 TEST.Q1 on MQWT1									
File Queue Topic Messa	age Pro	perties	View Fa	avorites Tools Help					
		٦.	* 🕑	? 🖉 🕙 🐹 🗊 🛍 🛤 👼 ಶ 🔏 🤇	2				
Queue Managers	🔕 Queue Managers 🛛 🖬 TEST.Q1/MQWT1 X _ 🗖 🖳 Message Descriptor								
Linux	A	^		Data 1 - 50		Field	Value		
	1 Charles	Charles John Huffham Dickens, 1812-1870Charles D	ickens led a very	Accounting Token	úæl Õê€Â ▲				
Solaris	\bigtriangleup		2	WebSphere MQ classes for Java (also referred to as	WebSphere MQ ba	Application Identity			
Windows			3	In MQSeries, intercommunication means sending mess	ages from one qu	Application Origin D			
A Lastas MOMI 1			4	WebSphere MQ classes for Java (also referred to as	WebSphere MQ ba:	Backout Count	0		
MOWC1						Coded Character S	437		
MOWCI						Correlation ID			
						Correlation ID in Hex	00000000000000		
ANOMET Test Cond	F . (4)					Data Length	2008		

7.6 Edit a Message with XML Editor

This section will describe how to edit a message with the XML Editor from the opened queue or topic.

If you have previously opened TEST1, the main panel may look something like:

-						
🍀 TEST.Q1 on MQWT1						
File Queue Topic Mess	age Pro	pertie	s View Fa	avorites Tools Help		
		۳.	▞	? 🖉 💌 🐹 🗊 🛱 🌲 📆 🔀 💿		
Queue Managers	Message Descrip	tor				
Linux		^		Data 1 - 50	Field	Value
Lindx			1	xml version="1.0" encoding="UTF-8"? <Order xmln s="http://www.ex</th> <th>Accounting Token</th> <th>úæl Õê€Â ▲</th>	Accounting Token	úæl Õê€Â ▲
Solaris	\bigtriangleup				Application Identity	
Windows					Application Origin D	
	Ť				Backout Count	0
Laptop - MQWL1					Coded Character S	437
MQWCI					Correlation ID	
MQWC2					Correlation ID in Hex	00000000000000
	F-14				Data Length	1220

From the main panel of MQ Visual Edit, select Message, then Edit Message with XML Editor.



You can now edit the message using the XML Editor. Clicking File then Save to Queue button will delete the old copy of the message and insert the new updated message into the queue.

The main panel is updated with the new message from the editing session.

STEST.Q1 on MQWT1		- C X
File Queue Topic Message Properties View Favorites Tools Help		
🕨 22 📓 🖥 🐂 💒 🕑 🖉 🗶 🔀 🗊 💼 Aa 👼 🃆 🔏 🧶		
😣 Queue Managers 🛛 🖬 TEST.Q1/MQWT1 X	Message Descript	tor
Data 1 - 50	Field	Value
1 xml version="1.0" encoding="UTF-8"? <order 1.0"="" ?="" encoding="UTF-8" s="http://www.ex</th><th>Accounting Token</th><th>úæl Õê€Â ▲</th></tr><tr><th>Solaris2 <?xml version=" xmln=""><Order xmln s="http://www.ex</th><th>Application Identity</th><th></th></order>	Application Identity	
Windows	Application Origin D	
	Backout Count	0
	Coded Character S	437
	Correlation ID	
	Correlation ID in Hex	00000000000000
	Data Length	1220

7.7 Insert a Message

This section will describe how to insert a message into an opened queue or topic.

If you have previously opened TEST.Q1, the main panel may look something like:

🐐 TEST.Q1 on MQWT1		
File Queue Topic Message Prope	es View Favorites Tools Help	
🕨 😂 🕒 🖪 🤻	at 🖻 🗹 🕙 🗙 🕞 🛱 🛤 🖨 🔁 🔏 🎯	
(Queue Managers	TEST.Q1/MQWT1 X	Message Descriptor
Linux 🛆	Data 1 - 50	Field Value
Solaris 🛆	Charles John Huffham Dickens, 1812-1870Charles D lickens led a very In MQSeries, intercommunication means sending mess ages from one qu	Accounting Token Application Identity
Windows 🗢	3 WebSphere MQ classes for Java (also referred to as WebSphere MQ based)	Application Origin D
Laptop - MQWL1		Coded Character S
MQWC2 MQWT1		Correlation ID in Hex Data Length

From the main panel of MQ Visual Edit, select Message, then Insert Message.

🖟 Insert Message
File Edit View Help
li 2 🔀 🕞 🛱 🔞
Format Message Data Message Descriptor Named Properties
String
V
RPH
RFH2
IMS
CICS
R3/SAP
Revent Columnat Tatal Revent Wiren Texts On Texaster On

The Insert Message Wizard is designed to help the user quickly create 7 different MQ message formats. i.e. None, String, RFH, RFH2 (JMS), IMS, CICS and R3/SAP. The user can alter the contains of the Message Descriptor and/or Named Properties. Plus if the user selects RFH, RFH2 (JMS), IMS, CICS or R3/SAP message format, the user can alter those values too. Click **File** -> **Save to Queue** to save the message to the queue or topic.

The main panel is updated with the new message.

🍀 TEST.Q1 on MQWT1							
File Queue Topic Message F	ropertie	es View	avorites Tools Help				ĺ
🕨 🏹 😼 🖪	×	d"]	2 🖉 🐑 🐹 🕞 🛍 🏘 👼 🏷 🤇	0			
(Queue Managers		U TE	л.Q1/MQWT1 X	- 🗆	Message Descript	tor	
Linux	<u> </u>		Data 1 - 50		Field	Value	
Solaris 4		1	Charles John Huffham Dickens, 1812-1870Charles D WebSphere MQ classes for Java (also referred to as	ickens led a very WebSphere MQ ba	Accounting Token Application Identity	^	
Windows	2	3	In MQSeries, intercommunication means sending mess	ages from one qu	Application Origin D		
Laptop - MQWL1 MQWC1		-			Coded Character S Correlation ID		
MQWT1					Data Length		

7.8 Duplicate a Message

This section will describe how to duplicate a message in the opened queue or topic.

If you have previously opened TEST.Q1, the main panel may look something like:



From the main panel of MQ Visual Edit, select Message, then Duplicate Message.

The user will be prompted to select either a new message id or copy the message id for each new message.



The main panel will be updated with the newly inserted message.



7.9 Forward a Message

This section will describe how to forward a message from an opened queue or topic.

If you have previously opened TEST.Q1, the main panel may look something like:

					<u> </u>	
🍀 TEST.Q1 on MQWT1						- C X
File Queue Topic Me	ssage Pro	opertie	s View	avorites Tools Help		
		¥	ď [2 🖉 🗶 🕞 🛱 🌲 🔁 🗶 🎯		
Queue Managers			TE:	T.Q1/MQWT1 X	Message Descriptor	
Linux		^		Data 1 - 50	Field Value	
Solaris			1 2	Charles John Huffham Dickens, 1812-1870Charles D ickens led a very webSphere MQ classes for Java (also referred to as WebSphere MQ ba	Accounting Token Application Identity	^
Windows	\bigtriangledown		3	In MQSeries, intercommunication means sending mess ages from one qu	Application Origin D	
Laptop - MQWL1					Backout Count	
MQWC1					Correlation ID	
MQWC2					Correlation ID in Hex	
MONIT					Data Length	

From the main panel of MQ Visual Edit, select Message, then Forward Message.

Destination Queue	
Queue Name:	
Remove Dead Letter Header? (if prese	nt)
Retry to Original Destination	
Retry to Original Destination	
Retry to Original Destination	
Retry to Original Destination List Queues Mask: * Show System Queues	
Retry to Original Destination List Queues Mask: * Show System Queues Queue Type:	Л ОК

Now specify a destination queue name and then click the **Ok** button You can use the **List** button to help you select a valid queue name. If the message has a DLH (Dead Letter Header) and you would like it to be stripped off during the forwarding, then click the Remove Dead Letter Header checkbox.



Click **Yes** if you are sure that you want the message to be forwarded. Note: There is no undo function for the forward message option.

The main panel is updated.

r								
🍀 TEST.Q1 on MQWT1								
File Queue Topic Message Propertie	/iew Favorites Tools Help							
🕨 22 🖪 🖪 🎽	🕨 🌫 😼 📕 🏪 🖆 🕐 🗶 💌 🗶 🗊 🛱 🛤 👼 📆 🗶 🔞							
🔕 Queue Managers 📃 🖬 TEST.Q1 / MQWT1 X 💶 🗖 🖳 Message Descriptor								
Linux	Data 1 - 50	Field Value						
	1 Charles John Huffham Dickens, 1812-1870Charles D ickens led a very	Accounting Token úæl Õê€Â ▲						
Solaris 🛆	2 WebSphere MQ classes for Java (also referred to as WebSphere MQ ba	Application Identity						
Windows	3 In MQSeries, intercommunication means sending mess ages from one qu	Application Origin D						
		Backout Count 0						
Laptop - MQWL1		Coded Character S 437						
MQWC1		Correlation ID						
MQWC2		Correlation ID in Hex 000000000000000						
		Data Length 500						

7.10 Delete a Message

This section will describe how to delete a message from an opened queue or topic.

If you have previously opened TEST.Q1, the main panel may look something like:

🍀 TEST.Q1 on MQ	WT1						
File Queue Topic	Message Pro	pertie	s View I	avorites Tools Help			
		۳.,	a" [2 🖉 🐑 🗶 🗊 🛍 🏔 🗒 🔀 🤇	0		
Queue Mana	gers		TES	T.Q1/MQWT1 X	- 🗆	Message Descript	tor
Linux	A	^		Data 1 - 50		Field	Value
Cinux	_		1	Charles John Huffham Dickens, 1812-1870Charles D	ickens led a very	Accounting Token	
Solaris	Δ		2	WebSphere MQ classes for Java (also referred to as	WebSphere MQ ba:	Application Identity	
Windows	\bigtriangledown		3	In MQSeries, intercommunication means sending mess	ages from one qu	Application Origin D	
Palantan MO	M 1					Backout Count	
	WL I					Coded Character S	
MOWCI						Correlation ID	
MQWC2						Correlation ID in Hex	
MQWII						Data Length	

From the main panel of MQ Visual Edit, select Message, then Delete Message.



Click Yes if you are sure that you want the message to be deleted. Note: There is no undo function for the delete message option.

The main panel is updated.


7.11 Compare a Message to a File

This section will describe how to compare the contents of a message to file.

If you have previously opened TEST.Q1, the main panel may look something like:

🛊 TEST.Q1 on MQWT1 📃 🔤 🔤 🖉									
File Queue Topic Message Prope	File Queue Topic Message Properties View Favorites Tools Help								
$[\bigcirc \bowtie $									
(Queue Managers		TEST	T.Q1/MQWT1 X _ 🗆	📕 Message Descrip	tor				
Linux	^		Data 1 - 50	Field	Value				
		1	Charles John Huffham Dickens, 1812-1870Charles D ickens led a ver	Accounting Token	úæl Õê€Â ▲				
Solaris 🛆		2	WebSphere MQ classes for Java (also referred to as WebSphere MQ ba	Application Identity					
Windows		3	In MQSeries, intercommunication means sending mess ages from one qu	Application Origin D					
Pillanten MOWIII				Backout Count	0				
				Coded Character S	437				
				Correlation ID					
Correlation ID in Hex 000000000									
A MOWT1 Test Sand Evit				Data Length	2492				

From the main panel of MQ Visual Edit, select Message, then Compare a Message to a File.

The user now selects the file to compare the message contents against.



The user now selects the file to compare the message contents against.



7.12 Printing a Message

This section will describe how to print a message to a printer from an opened queue.

If you have previously opened TEST.Q1, the main panel may look something like:

🎄 TEST.Q1 on MQWT1							
File Queue Topic Mes	sage Pro	pertie	s View	avorites Tools Help			
	5 6	۳.,	ה" [2 🖉 🗶 🖾 🗊 🛍 🚔 💆 🔏 💿			
Queue Managers			U TE	st.Q1/MQWT1 X	- 🗆	Message Descrip	tor
Linux		^		Data 1 - 50		Field	Value
C.L.S.			1	Charles John Huffham Dickens, 1812-1870Charles D icke	ens led a very	Accounting Token	A
Solaris			2	WebSphere MQ classes for Java (also referred to as Web	Sphere MQ ba	Application Identity	
Windows	\bigtriangledown		3	In MQSeries, intercommunication means sending mess ages	from one qu	Application Origin D	
AL anton - MOWL1						Backout Count	
						Coded Character S	
						Correlation ID	
MQWC2						Correlation ID in Hex	
						Data Length	

From the main panel of MQ Visual Edit, select Message, then Print Message.

The user now selects the printer to print the message on.



7.13 Generate Report

This section will describe how to generate a report (PDF, RTF or HTML) from the selected messages.

If you have previously opened TEST.Q1, the main panel may look something like:

🐐 TEST.Q1 on MQWT1							- C X
File Queue Topic Mes	sage Prop	pertie	s View F	avorites Tools Help			
	5 6	"		? 🖉 🕙 🐹 🗊 🛍 🛤 👼 📆 🔏	2		
Queue Managers			TES'	r.q1/MQWT1 ×	- 🗆	Message Descrip	tor
Linux	A	^		Data 1 - 50		Field	Value
	_		1	Charles John Huffham Dickens, 1812-1870Charles D	ickens led a very	Accounting Token	A
Solaris	\bigtriangleup	-	2	WebSphere MQ classes for Java (also referred to as	WebSphere MQ ba:	Application Identity	
Windows	\bigtriangledown		3	In MQSeries, intercommunication means sending mess	ages from one qu	Application Origin D	
Relation MOWL1						Backout Count	
						Coded Character S	
						Correlation ID	
	_					Correlation ID in Hex	
						Data Length	

From the main panel of MQ Visual Edit, select Message, then Generate Report.

The user now selects how the messages are to be generated into the report:

- The user may use the **Browse** button to select the directory and file name to be used for the report file.
- The user can select **PDF** or **RTF** or **HTML** for the report type.
- The user can select **Raw Data** or **Hex Data** or **EBCDIC Hex** for how the message data will be formatted in the report.

The user can select to include the message's Message Descriptor and/or Named Properties in the report. Click **Save** to generate the report.



Click Ok

7.14 Importing Files

This section will describe how to import one or more files as message into an opened queue or topic.

If you have previously opened TEST.Q1, the main panel may look something like:

🔹 TEST.Q1 on MQWT1	
File Queue Topic Message Properties View Favorites Tools Help	
🕨 🖻 🕒 🖥 🖿 🖄 🚰 🕒 🖉 🗶 🖾 🕞 🛱	1 🗚 📾 📆 🔀 🞯
Queue Managers	
	Field Value
	Accounting Token
Solaris 🛆	Application Identity
Windows	Application Origin D
	Backout Count
Laptop - MQWL1	Coded Character S
MOWC1	Correlation ID
MQWC2	Correlation ID in Hex
A MOWIT Toot Sond Evit	Data Length

From the main panel of MQ Visual Edit, select Message, then Insert File.

Now select one or more files or change directories to locate the files and then click **Open** Note: You can select more than one file in this dialog box. Use either the **Shift** or **Ctl** keys when selecting the files.



The Import File Wizard is designed to help the user quickly create 7 different MQ message formats. i.e. None, String, RFH, RFH2 (JMS), IMS, CICS and R3/SAP.

The user can alter the contains of the MQMD. Plus if the user selects RFH, RFH2 (JMS), IMS, CICS or R3/SAP message format, the user can alter those values too.

There are 3 file options when importing files:

- Each file as a message
- Every line of each file a message will be created for each line (record) in every individual file
- Delimited File the file will be parsed, based on the delimiter, into sections and each parsed section will be a message.

Note: The Import File Wizard will put all messages to the queue using the MQ message format that the user creates in this step.

🍀 Import File	
File Help	
Format	File Options Message Descriptor Named Properties File Options A unique message from: Image: Control option
String	Court a Every line of each file Delimited File Delimiter Type @ ASCII Delimiter
RFH RFH2	Hexidecimal Delmiter Delmiter: Include delmiter with the message.
IMS CICS R3/SAP	

The main panel is updated with the 3 new messages.

# TEST.Q1 on MQWT1									
File Queue Topic Mess	File Queue Topic Message Properties View Favorites Tools Help								
R 2 R R R R R C 2 C 2 R X R R R R R R R R									
Queue Managers			TEST	.Q1/MQWT1 × _	Message Descrip	tor			
Linux		*		Data 1 - 50	Field	Value			
Solaris			1 2	Charles John Huffham Dickens, 1812-1870Charles D ickens led a ver In MQSeries, intercommunication means sending mess ages from one qu	Accounting Token Application Identity				
Windows	\bigtriangledown		3	WebSphere MQ classes for Java (also referred to as WebSphere MQ ba	Application Origin D				
Laptop - MQWL1	_				Backout Count				
MQWC1					Correlation ID				
MQWC2	_				Correlation ID in Hex				
MQWI1	e 11				Data Length				

7.15 Exporting Messages

This section will describe how to export a message to a file from an opened queue or topic.

If you have previously opened TEST.Q1, the main panel may look something like:

🐐 TEST.Q1 on MQWT1								x
File Queue Topic Me	essage Pro	oertie	s View	avorites Tools Help				
	B B	4	a " [? 🖉 🐑 🗶 🗊 🛍 🏟 📆 🔏 🤅	2			
Queue Managers			TE:	it.Q1/MQWT1 ×	- 🗖	Message Descrip	tor	
Linux		^		Data 1 - 50		Field	Value	
	_		1	Charles John Huffham Dickens, 1812-1870Charles D	ickens led a very	Accounting Token		
Solaris	\bigtriangleup		2	WebSphere MQ classes for Java (also referred to as		Application Identity		
Windows			3	In MQSeries, intercommunication means sending mess	ages from one qu	Application Origin D		
Relation MOWL1						Backout Count		
						Coded Character S		
	Correlation ID							
MQWC2	_					Correlation ID in Hex		
MOWLT						Data Length		

From the main panel of MQ Visual Edit, select Message, then Export Message.

The user now selects how the messages are to be outputted to a file:

- Select Each message to a separate file for separate files for each message in the queue.
- Select **All selected messages to the same file** for 1 (one) output file. The single file will contain all selected messages that will be exported.

Trailor Text

• Select **Append Trailer Text** to add user defined text to the end of each message as it is saved to the file. Use "\n" to represent CRLF on Windows and LF on Unix/Linux.

The user may use the **Browse** button to select the directory and file name to be used for the exporting. Click **Save** to export the messages to a file.



Click Ok.

7.16 Find

This section will describe how to use the Find feature. The Find function allows the user to search the messages of the queue for a particular text string.

If you have previously opened TEST.Q1, the main panel may look something like:

🌲 TEST.Q1 on MQWT1	😸 TEST.Q1 on MQWT1 📃 📃 🔤 🔤 🔤									
File Queue Topic Mess	age Pro	pertie	s View F	avorites Tools Help						
		۳.		2 🖉 💌 🐹 🗊 🛱 🚔 🗮 🔀						
Queue Managers			TES	r.Q1/MQWT1 X	🙀 Message Descrip	tor				
Linux		*		Data 1 - 50	Field	Value				
	_		1	Charles John Huffham Dickens, 1812-1870Charles D ickens led a very	Accounting Token	A				
Solaris	Δ		2	In MQSeries, intercommunication means sending mess ages from one qu	Application Identity					
Windows			3	WebSphere MQ classes for Java (also referred to as WebSphere MQ bas	Application Origin D					
All pates - MOWI 1					Backout Count					
					Coded Character S					
MOWCI					Correlation ID					
					Correlation ID in Hex					
MOWT1	F -14				Data Length					

From the main panel of MQ Visual Edit, select Message, then Find.

ind		×
Find What:	Case Sensitive	
	🙀 Find	O Cancel

After clicking **Find**, if a match is found, the table cell containing the matching string will be highlighted in yellow.

🐐 TEST.Q1 on MQWT1						
File Queue Topic Message Prop	ertie	s View F	avorites	Tools Help		
🕨 🏽 💁 🖪 '	1		2 🗹	2 🛛 🖧 🗊 🛱 🚔 🃆 🔀		
Queue Managers		TES	T.Q1/M	NT1 X _ C	Message Descrip	itor
Linux	^			Data 301 - 350	Field	Value
		1	al pro	uctions and had a busysocial life. He had a wide circle	Accounting Token	
Solaris 🛆		2	f the	1 atforms supported by MQSeries. This is called a d istribu	Application Identity	
Windows		3	d serv	e ts to issue calls and queries to WebSphere MQ. Thi s gives	Application Origin D	
A Lanton - MOWL1					Backout Count	
A MOWC1				Find	Coded Character S	
MOWC2					Correlation ID	
MOWT1				- Ind a find a f	Correlation ID in Hex	
MOWT1 - Test Send Evit				Find What: distributed	Data Length	
A MOWT1 remote				Case Sensitive	Encoding	
MOWT1 remote - MOCT					Expiry Interval	=
MOWT1 remote - No Evit	Ξ			A Find O Cancel	Feedback Code	
MOWT1 remote - Sett learId					Format	
MOWT2					Group ID	
					Group ID in Hex	

When you are done searching, click the **Cancel** button. The row containing the last matching search string will be highlighted.



8 Message Edit

This chapter will describe the various docks of the Message Edit window.

8.1 Message Data Dock

This section will describe how to edit a message in the opened queue.

If you have previously opened TEST.Q1, the main panel may look something like:

🍇 TEST.Q1 o	🗱 TEST.Q1 on MQWT1 💦 🗖 🔤 🔤 🔤								
File Queue	File Queue Topic Message Properties View Favorites MQ Tools Tools Help								
B 2	-	4	1 1	* K	2 🖉 🕅 🐹 🗊 🛍 🛤 👼 🏷 🛛	0			
Queue	Managers			TES	T.Q1/MQWT1 X	- 🗆	Message Descrip	tor	
HP-UX	4	2	^		Data 1 - 50	Data 51 - 100	Field	Value	
				1	xml version="1.0" encoding="UTF-8"? <order td="" xmln<=""><td>s="http://www.exa</td><td>Accounting Token</td><td>úæl Õê€Âċ ▲</td></order>	s="http://www.exa	Accounting Token	úæl Õê€Âċ ▲	
Linux	2	2		2	xml version="1.0" encoding="UTF-8"? <favorite></favorite>	<station "eruption="" (mins)",="" (mins)<="" id="i!</td><td>Application Identity</td><td></td></tr><tr><td>Coloria</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>3</td><td>This is a test message #1This is a test message #</td><td>2This is a test r</td><td>Application Origin D</td><td></td></tr><tr><td>Solaris</td><td>4</td><td>2</td><td></td><td>4</td><td>John,Doe,120 jefferson st.,Riverside, NJ, 08075Ja</td><td>ck,McGinnis,220 </td><td>Backout Count</td><td>0</td></tr><tr><td></td><td colspan=2>5 " index",="" length="" td="" wait=""><td>mins)" 1, 3.600</td><td>CCSID</td><td>819</td></station>	mins)" 1, 3.600	CCSID	819
window	s `	· .		6	"Sell", "List", "Living", "Rooms", "Beds", "Baths"	, "Age", "Acres"	Correlation ID		
🛛 🖉 Laptop	- MQWL1			7	Account LastName FirstName Balance	CreditLimit /	Correlation ID in Hex	00000000000000	
📗 🧕 🖉 MQWC	1			8	[{ color: "red", value: "#f00" }, { color: "gr	een", value: "#	Data Length	167	
📗 🖉 MQWC	2		E	9	{"id": "0001","type": "donut","name": "Cake"	,"ppu": 0.55,"ba	Encoding	273	
MQWT	1						Expiry	Unlimited 😑	
	1 Tool Cool Evi						Feedback	0	

From the main panel of MQ Visual Edit, select Message, then Edit Message.

🏶 Message Edit	
File Edit Message View H	Help
8833	
Vew Message Data Message Data Message Data Message Data Solv Viewer Fixed Width Viewer CSV Viewer CSV Viewer CSV Viewer Message FIX Viewer Hex Data EECDIC HEX Data	Message Data Message Descriptor Named Properties 1 Num Version="1:0" encoding="UTF-8"?> 2 <favorite> station id="is">stations 3 <station id="is">station id="is">stations <station id="is">station <station id="is">station <favorite></favorite></station></station></station></favorite>
R	Row=1 Column=1 Total Rows=7 Wrap Text=On Insert=On

You can now edit, updated or delete sections of the message text. Clicking the **File** -> **Save to Queue** will delete the old copy of the message and insert the new updated message into the queue.

If the user has unselected the "Automatically retrieve the entire message data when opening the 'Message Edit' window" option on the MQ Queue panel of the Preferences window then if the message is larger than the "Maximum size of each message to retrieve" option then MQ Visual Edit will enable the "Get All Data" menu item (under File) on the Message Edit window.



The following are the dropdown menus that currently exist for the Message Edit Window.

Under File:

- Load from File Allows the user to load (import) the contains of a text file into the current message text.
- Get All Data if the retrieved message data is smaller than the actual message size then this menu item will be enable.
- Save to File Allows the user to save the message content to a plain text file.
- **Save to Queue** Allows the user to save the message back to the queue (use this function after a change or update to the message content or the message's MQMD header.)
- **Print Message** Allows the user to print the message
- Close Allows the user to discard the Message Edit window and return to the main window.

Under Edit:

- Cut Allows user to cut part or all of the message content to the system's clipboard.
- Copy Allows user to copy part or all of the message content to the system's clipboard.
- **Paste** Allows user to paste from the system's clipboard into the message content.
- Find Provides the user with the ability to search the message content for a specific string.
- **Replace** Provides the user with the ability to search the message content for a specific string and replace the string with another string.

Under Message:

- User Formats Allows user to define a message format for the data.
- Apply Format Allows user to apply a specific message format to the data.

Under View:

- Wrap Text Allows the user to toggle the message content's display between wrapped and unwrapped text.
- Select All Allows the user to quickly select all of the message's content.
- Unselect All Turns the selection off (if on) and sets the cursor to column 1 of row 1.

Under Help:

• Help - Allows the user to display the MQ Visual Edit User Guide.

In the message content window of the Message Data dock, if the user performs a right-mouse click then a popup window will be displayed. The user will be able to do the following:

- Cut Allows user to cut part or all of the message content to the system's clipboard.
- **Copy** Allows user to copy part or all of the message content to the system's clipboard.
- Paste Allows user to paste from the system's clipboard into the message content.
- Find Provides the user with the ability to search the message content for a specific string.
- Load from File Allows the user to load (import) the contains of a text file into the current message text.
- Save to File Allows the user to save the message content to a plain text file.

🐐 TEST.Q1 on MQWT1						
File Queue Topic Mes	ssage Prop	oertie	s View F	avorites Tools Help		
🖻 🏾 🖪 🚺	5 B '	۳,		? 🖉 🕅 😹 🗊 🛱 🌲 📆 🔏 🞯		
Queue Managers			TES	T.Q1/MQWT1 X _ 🗆	🙀 Message Descrip	tor
Linux		^		Data 1-50 Charles John Huffham Diskans 1812-1870Charles D. Jiskans led a very	Field	Value
Solaris			2	WebSphere MQ classes for Java (also referred to as WebSphere MQ ba	Application Identity	user GeeA X
Windows	\bigtriangledown		3	In MQSeries, intercommunication means sending mess ages from one qu	Application Origin D Backout Count	0
Laptop - MQWL1			-		Coded Character S Correlation ID	437
MQWC2 MQWT1					Correlation ID in Hex Data Length	000000000000000

8.2 XML Viewer Dock

This section will describe how to view a message in the opened queue. If the data is well formed XML then the XML Viewer will be able to display it.

If you have previously opened TEST.Q1, the main panel may look something like:

🔹 TEST.Q1 on MQWT1						_ _ X
File Queue Topic Messa	ige Pro	pertie	s View	avorites Tools Help		
		۲ _а	a r [) 🖉 💌 📉 🗊 🛍 🛤 🖶 📆 🔀		
Queue Managers			u TE	T.Q1/MQWT1 X _ 🗖	🙀 Message Descrip	tor
Linux	^	*		Data 1 - 50	Field	Value
Linux			1	xml version="1.0" encoding="UTF-8"? <Order xmln s="http://www.ex-</td> <td>Accounting Token</td> <td>úæl Õê€Â ▲</td>	Accounting Token	úæl Õê€Â ▲
Solaris					Application Identity	
Windows	\bigtriangledown				Application Origin D	
Al anton - MOWI 1					Backout Count	0
					Coded Character S	437
MOWCI					Correlation ID	
MQWC2	_				Correlation ID in Hex	00000000000000
MOWTI Test Cood 5	-				Data Length	1220
MQWT1 - Test Send E	2XIL				Encoding	273
📗 🚑 MQWIIremote					International Restaurural	I Indianian d

From the main panel of MQ Visual Edit, select **Message**, then **Edit Message** then click the *XML Viewer* button.

The XML data is shown in a tree view. The user can expand any entry they wish to. This will allow them to view attributes, nodes and data with the XML data.

🏶 Message Edit		×
File Edit Message View Help		
View Message Data Message Data Image: Carbum Message Data Image: Carbum Image: Carbum Image: Carbum Image: Carbum	Attribute xmins	Value http://www.example.com

8.3 **JSON Viewer Dock**

This section will describe how to view a message in the opened queue. If the data is well formed JSON then the JSON Viewer will be able to display it.

If you have previously opened TEST.Q1, the main panel may look something like:

🏶 TEST.Q1 on MQWT1							
File Queue Topic Messa	ge Proj	pertie	s View F	avorites Tools Help			
		۳.	ď 🛛	2 🖉 🐑 🐹 🗊 🛍 🛤 👼 📆 🎽			
Queue Managers			TES	T.Q1/MQWT1 X	- 🗆	Message Descrip	itor
Linux		^		Data 1 - 50		Field	Value
	_		1	[{ color: "red", value: "#f00" }, { color:	"gr een", value: "#	Accounting Token	úæl Õê€Â ▲
Solaris	\bigtriangleup		2	{"id": "0001","type": "donut","name": "Ca	ke","image":{"ur	Application Identity	
Windows	\bigtriangledown		3	{"title":"Free Music Archive - Albums","message	":" ","errors":[],"t	Application Origin D	
Palantan MOWEL						Backout Count	0
						Coded Character S	437
MOWCI						Correlation ID	
	_					Correlation ID in Hex	00000000000000
MOWTI Test Sand E						Data Length	262
MQWT1 - Test Send E	xit					Encoding	273
MQW11remote						Evniry Interval	Linlimited -

From the main panel of MQ Visual Edit, select **Message**, then **Edit Message** then click the JSON Viewer.

The JSON data is presented in a formatted view.

8.4 Fixed Width Viewer Dock

This section will describe how to view a message in the opened queue. If a Fixed Width format has been created then data can be formatted using it.

If you have previously opened TEST.Q1, the main panel may look something like:

🀐 TEST.Q1 on MQWT1						- D X	
File Queue Topic Message Prop	erties	View F	avorites MQ Tools Tools Help				
📔 🔁 🔜 🖪 🕨	1	* 🖸	2 🖉 🕙 🗶 🗊 🛍 🛤 👼 📆 🗶 🕯	0			
(Queue Managers		TES	T.Q1/MQWT1 X	- 🗆	📕 Message Descrip	tor	
HP-UX 🛆	^		Data 1 - 50	Data 51 - 100	Field	Value	
Linux		1	xml version="1.0" encoding="UTF-8"? <order td="" xmln<=""><td>s="http://www.ex</td><td>Accounting Token</td><td>úæl Õê€Âċ ▲</td></order>	s="http://www.ex	Accounting Token	úæl Õê€Âċ ▲	
		2	xml version="1.0" encoding="UTF-8"? <favorite></favorite>	<station "eruption="" (<="" (mins)","eruption="" id="i!</td><td>Application Identity</td><td></td></tr><tr><td>Coloris</td><td></td><td>3</td><td>This is a test message #1This is a test message #</td><td>2This is a test r</td><td>Application Origin D</td><td></td></tr><tr><td>Solaris 🛆</td><td></td><td>4</td><td>John,Doe,120 jefferson st.,Riverside, NJ, 08075Ja</td><td>ck,McGinnis,220 </td><td>Backout Count</td><td>0</td></tr><tr><td>Mindaus S</td><td></td><td>5</td><td>" index",="" length="" td="" wait=""><td>mins)" 1, 3.600</td><td>CCSID</td><td>819</td></station>	mins)" 1, 3.600	CCSID	819
windows		6	"Sell", "List", "Living", "Rooms", "Beds", "Baths"	, "Age", "Acres"	Correlation ID		
Laptop - MQWL1		7	Account LastName FirstName Balance		Correlation ID in Hex	00000000000000	
MQWC1		8	[{ color: "red", value: "#f00" }, { color: "gr	een", value: "#0	Data Length	785	
MQWC2	Ξ	9	{"id": "0001","type": "donut","name": "Cake"	,"ppu": 0.55,"ba	Encoding	273	
MQWT1					Expiry	Unlimited 🗉	
MQWT1 - Test Send Exit					Feedback	0	
MOW/T1 remote					Flags	None	

From the main panel of MQ Visual Edit, select **Message**, then **Edit Message** then click the *Fixed Width Viewer* button.

If there is a Fixed Width user format defined for the opened queue then MQ Visual Edit will automatically use it when the *Fixed Width Viewer* dock button is clicked.

The Manager Manager 11.1							
ile Edit Message View Help		in the Law					
View	ed Width Viewer Messa	ge Descriptor	Named Proper	ties			
	Account Last Name	First Name	Balance	Credit Limit	Account Cr	Rating	
1	101 Flinstones	Fred	4315.45	10000.00	1/17/1998	A	
Message Data 2	102 Flinstones	s Wilma	4493.00	10000.00	1/17/1998	A	
3	312 Flinstones	Pebbles	90.00	1000.00	8/6/2003	В	
4	868 Rubble	Barney	2198.00	7000.00	5/25/1985	A	
XML Viewer 5	869 Rubble	Betty	3021.00	10000.00	5/25/1985	A	
6	868 Rubble	Bammbamm	88.00	1000.00	8/6/2003	В	
{···} 7	761 Slate	George	49654.87	100000.00	12/5/1981	A	
15ONL/forwar	317 Rocknead	ное	789.65	5000.00	2/5/2002	C	
Fixed Width Viewer CSV Viewer FIX Viewer FIX Viewer Hex Data EBCDIC HEX Data							

If there is no Fixed Width user format defined for the opened queue then the user can manually select one of the Fixed Width user formats by clicking *Message - > Apply Format - > XXXX* where XXXX is one of the Fixed Width user formats.

8.5 CSV Viewer Dock

This section will describe how to view a message in the opened queue. The data can be viewed with or without a CSV format.

If you have previously opened TEST.Q1, the main panel may look something like:

🐐 TEST.Q1 on MQWT1	1						- • ×	
File Queue Topic Me	essage Pr	operties	View F	avorites MQ Tools Tools Help				
🕒 🔁 🖳 (۳.	1	2 🖉 🕙 🗶 🗊 🛍 🛤 👼 📆 🗶 (0			
Queue Managers			TES	T.Q1/MQWT1 X	- 🗆	Message Descrip	tor	
HP-UX	Δ	-		Data 1 - 50	Data 51 - 100	Field	Value	
			1	xml version="1.0" encoding="UTF-8"? <order td="" xmln<=""><td>s="http://www.ex</td><td>Accounting Token</td><td>úæl Õê€Â¿ ▲</td></order>	s="http://www.ex	Accounting Token	úæl Õê€Â¿ ▲	
Linux			2	xml version="1.0" encoding="UTF-8"? <favorite></favorite>	<station "eruption="" (<="" (mins)","eruption="" id="i</td><td>Application Identity</td><td></td></tr><tr><td>Coloria</td><td>0</td><td></td><td>3</td><td>This is a test message #1This is a test message #</td><td>2This is a test r</td><td>Application Origin D</td><td></td></tr><tr><td>Solaris</td><td></td><td></td><td>4</td><td>John,Doe,120 jefferson st.,Riverside, NJ, 08075Ja</td><td>ck,McGinnis,220 </td><td>Backout Count</td><td>0</td></tr><tr><td>Windows</td><td>_</td><td></td><td>5</td><td>" index",="" length="" td="" wait=""><td>mins)" 1, 3.600</td><td>CCSID</td><td>819</td></station>	mins)" 1, 3.600	CCSID	819
Willdows	~		6	"Sell", "List", "Living", "Rooms", "Beds", "Baths"		Correlation ID		
🛛 🛃 Laptop - MQWL1			7	Account LastName FirstName Balance	CreditLimit /	Correlation ID in Hex	00000000000000	
MQWC1			8	[{ color: "red", value: "#f00" }, { color: "gr	een", value: "#0	Data Length	2128	
MQWC2		=	9	{"id": "0001","type": "donut","name": "Cake"	,"ppu": 0.55,"ba	Encoding	273	
MQWT1						Expiry	Unlimited 📃	
MQWT1 - Test Se	nd Exit					Feedback	0	
MOW/T1 romoto						Flage	None	

From the main panel of MQ Visual Edit, select **Message**, then **Edit Message** to open the message in the Message Edit window.

Click the CSV Viewer button to view the message in the CSV Viewer.

If there is a CSV user format defined for the opened queue then MQ Visual Edit will automatically use it when the *CSV Viewer* dock button is clicked.

Message Edit										
e cuit message vie	w Heip									
	S 📄	\mathbf{X}	n I i	l 🗄 M						
View	Csv	Viewer	Message Descri	ptor Name	d Properties					
100		Α	В	с	D	E	F	G	н	
and the second sec	1	Sel1	List	Living	Rooms	Beds	Baths	Age	Acres	
Message Data	2	142	160	28	10	5	3	60	0.28	
	3	175	180	18	8	4	1	12	0.43	
	4	129	132	13	6	3	1	41	0.33	
YMI Viewer	5	138	140	17	7	3	1	22	0.46	
Aric viewei	6	232	240	25	8	4	3	5	2.05	
£}	7	135	140	18	7	4	3	9	0.57	
	8	150	160	20	8	4	3	18	4.00	
JSON Viewer	9	207	225	22	8	4	2	16	2.22	
→ ←	10	271	285	30	10	5	2	30	0.53	
	11	89	90	10	5	3	1	43	0.30	
-	12	153	157	22	8	3	3	18	0.38	
Viewor	13	87	90	16	7	3	1	50	0.65	
viewei	14	234	238	25	8	4	2	2	1.61	
	15	106	116	20	8	4	1	13	0.22	
	16	175	180	22	8	4	2	15	2.06	
CSV Viewer	17	165	170	17	8	4	2	33	0.46	
	18	166	170	23	9	4	2	37	0.27	
	19	136	140	19	7	3	1	22	0.63	
V	20	148	160	17	7	3	2	13	0.36	
FIX Viewer	21	151	153	19	8	4	2	24	0.34	
010110	22	180	190	24	9	4	2	10	1.55	
101000	23	293	305	26	8	4	3	6	0.46	
Hex Data	24	167	170	20	9	4	2	46	0.46	
	25	190	193	22	9	5	2	37	0.48	\square
1.0	26	184	190	21	9	5	2	27	1.30	
	27	157	165	20	8	4	2	7	0.30	
FBCDIC	28	110	115	16	8	4	1	26	0.29	
HEX Data	29	135	145	18	7	4	1	35	0.43	
	30	567	625	64	11	4	4	4	0.85	
	31	180	185	20	8	4	2	11	1.00	
	32	183	188	17	7	3	2	16	3.00	
	33	185	193	20	9	3	2	56	6.49	
		4			1		1		-	-

Note: If a CSV format is not being used and the first row of data contains the header row, then click *View - > Use first row for column names* menu item to display it.

If there is no CSV user format defined for the opened queue then the user can manually select one of the CSV user formats by clicking *Message - > Apply Format - > XXXX* where XXXX is one of the CSV user formats.

8.6 FIX Viewer Dock

This section will describe how to view a message in the opened queue. The data can be viewed with or without a FIX format.

If you have previously opened TEST.Q1, the main panel may look something like:



From the main panel of MQ Visual Edit, select **Message**, then **Edit Message** to open the message in the Message Edit window.

Message Edit
Vew Message Data Message Descriptor Named Properties Message Data 1 = FIX.4.2 0 = 37-8 0.49-PHLX 5.58-PERS 5.52-2007/1123-05:30:00.000 0.11=ATOMNOCCC0990090 0 0.20-3 0.150-E 0.39-E 0.55-8 0.49-PHLX 0.56-PERS 0.52-2007/1123-05:30:00.000 0.11=ATOMNOCCC0990090 0 0.20-3 0.150-E 0.39-E 0.55-8 0.49-PHLX 0.56-PERS 0.52-2007/1123-05:30:00.000 0.11=ATOMNOCCC0990090 0 0.20-3 0.150-E 0.39-E 0.55-4 0.49-PHLX 0.56-PERS 0.52-2007/1123-05:30:00.000 0.11=ATOMNOCCC0990090 0 0.20-3 0.150-E 0.39-E 0.35-4 0.49-PHLX 0.56-PERS 0.52-2007/1123-05:30:00.000 0.11=ATOMNOCCC0990090 2 2-2 2-2 0.151=L5 0.14-0 0.6-0 0.10=12.8 0.2 2 2 2 2 2 2 2 2 0.2 3 3 3 3 3 3 3
Fixed Width Viewer CSV Viewer FIX Viewer
Hex Data EBCDIC HEX Data Row=1 Column=1 Total Rows=2 Wrap Text=On Insert=On

Click the *FIX Viewer* button to view the message in the FIX Viewer.

If there is a FIX user format defined for the opened queue then MQ Visual Edit will automatically use it when the *FIX Viewer* dock button is clicked.

🍀 Message Edit										×
File Edit Message Vie	ew Help									
	S 📄) I I I							
View	🐼 FIX	Viewer M	essage Descrij	otor Named	Properties					
11 A		A	в	С	D	E	F	G	н	
	1	8=FIX.4.2	9=176	35=8	49=PHLX	56=PERS	52=2007	11=ATOM	20=3	
Message Data	2	8=FIX.4.2	9=65	35=A	49=SERVER	56=CLIENT	34=177	52=2009	98=0	
XML Viewer										
{···}										
JSON Viewer										
dî										
Fixed Width Viewer										
CSV Viewer										
FIX Viewer										
010110 110010 0001										
FBCDIC										
HEX Data										
										-
		•								F

Note: If a FIX format is not being used and the first row of data contains the header row, then click *View - > Use first row for column names* menu item to display it.

If there is no FIX user format defined for the opened queue then the user can manually select one of the FIX user formats by clicking *Message - > Apply Format - > XXXX* where XXXX is one of the FIX user formats.

8.7 Hex Data Dock

This section will describe how to edit a message in the opened queue.

If you have previously opened TEST.Q1, the main panel may look something like:

🐐 TEST.Q1 on MQWT1							- - X							
File Queue Topic Messi	ile Queue Topic Message Properties View Favorites Tools Help													
	2													
Queue Managers			TES	T.Q1/MQWT1 X	- 🗆	🙀 Message Descrip	tor							
Linux	^	^		Data 1 - 50		Field	Value							
Linux			1	Charles John Huffham Dickens, 1812-1870Charles D	ickens led a very	Accounting Token								
Solaris	\bigtriangleup		2	WebSphere MQ classes for Java (also referred to as	WebSphere MQ ba:	Application Identity								
Windows			3	In MQSeries, intercommunication means sending mess	ages from one qu	Application Origin D								
A Lastas MOWI 1						Backout Count								
						Coded Character S								
MOWCI						Correlation ID								
MQWC2	_					Correlation ID in Hex								
MQW11						Data Length								

From the main panel of MQ Visual Edit, select Message, then Edit Message.

😻 Message Edit																					
Fil	e Edit Message Vie	ew	Help																		
		2) (n ;	=	1	ŀ	Ŕ	1										
	View	l	💓 Hex Data		Ме	ssage	Descr	iptor	Na	med P	roper	ties									
	10		Address	0	1	2	3	4	5	6	7	8	9	Α	в	С	D	Е	F	Text	
	Message Data		00000000	57	65	62	53	70	68	65	72	65	20	4D	51	20	63	6C	61	WebSphere MQ cla	^
			00000010	73	73	65	73	20	66	6F	72	20	4A	61	76	61	20	28	61	sses for Java (a	
	1		00000020	6C	73	6F	20	72	65	66	65	72	72	65	64	20	74	6F	20	lso referred to	
	- -		0000030	61	73	20	57	65	62	53	70	68	65	72	65	20	4D	51	20	as WebSphere MQ	
	XML Viewer		00000040	62	61	73	65	20	4A	61	76	61	29	61	6C	6C	6F	77	20	base Java)allow	-
			00000050	61	20	70	72	6F	67	72	61	6D	20	77	72	69	74	74	65	a program writte	=
	{···}		00000060	6E	20	69	6E	20	74	68	65	20	4A	61	76	61	20	70	72	n in the Java pr	
	1SON Viewer		00000070	6F	67	72	61	6D	6D	69	6E	67	20	6C	61	6E	67	75	61	ogramming langua	
	JSON VIEWER		00000080	67	65	20	74	6F	3A	0A	ZD	20	43	6F	6E	6E	65	63	74	ge to: - Connect	
	- 16 - I		00000090	20	74	6F	20	57	65	62	53	70	68	65	72	65	20	4D	51	to WebSphere MQ	
			000000A0	20	61	/3	20	61	20	57	65	62	53	/0	68	65	/2	65	20	as a WebSphere	
	Fixed Width		00000080	40	51	20	63	6C	69	65	6E	/4	0A	20	20	43	61	6E	6E	MQ chent - Conn	
	Viewer		00000000	65	65	/4	20	64	69	72	65	63	74	6C	79	20	74	6F	20	ect directly to	
	p		00000000	61	20	57	65	62	55	/0	68	65	72	65	20	40	51	20	/3	a websphere MQ s	
			000000E0	20	12	70	20	12	0A C1	72	57	20	62	22	70	60	20	12	65	erver websphere	
	CSV Viewor		000000F0	20	40	51	20	72	20	/5	61	20	4A	20	70	70	20	60	6E	MQ base Java en	
	C3V VIEWEI		00000100	74	72	20	20	/ 3 61	20	4A 70	60	70	62	20	74	60	/U	60	72	ables Java apple	
	(EDX)		00000120	20	20	2C 61	20 6E	64	20	73	65	72	76	60	65	74	73	20	74	and serviets +	
			00000120	65	20	60	73	73	75	65	20	63	61	60	60	73	20	61	65	o issue calls an	
	FIX Viewer		00000140	64	20	71	75	65	72	60	65	73	20	74	6E	20	57	65	62	d queries to Web	
	(010110)		00000150	53	70	68	65	72	65	20	4D	51	20 2F	20	54	68	69	73	20	Sohere MO This	
	110011		00000160	67	69	76	65	73	20	61	63	63	65	73	73	20	74	6E	20	gives access to	
	Hay Data		00000170	6D	61	69	6F	66	72	61	6D	65	20	61	6F	64	20	60	65	mainframe and le	
	Hex Data		00000180	67	61	63	79	20	61	70	70	60	69	63	61	74	69	6F	6F	gacy application	
			00000190	73	20	20	74	79	70	69	63	61	60	60	79	20	6F	76	65	s. typically ove	
	1.1		000001A0	72	20	74	68	65	20	49	6E	74	65	72	6E	65	74	20	20	r the Internet.	
	FRODIC		00000180	77	69	74	68	6F	75	74	20	6E	65	63	65	73	73	61	72	without necessar	
	HEX Data	1	000001C0	69	6C	79	20	68	61	76	69	6E	67	20	61	6E	79	20	6F	ilv having any o	
		11	00000400																	at states a	

In the columns of 0,1,2,3,4,5,6,7,8,9,0,A,B,C,D,E,F, you can alter the message content by using hexadecimal values. Clicking the **Save** button will delete the old copy of the message and insert the new updated message into the queue.

Under File:

- Save to Queue Allows the user to save the message back to the queue (use this function after a change or update to the message content or the message's MQMD header.)
- **Print Message** Allows the user to print the message.

Under Edit:

- **Copy** Allows user to copy part or all of the message content to the system's clipboard.
- Find Provides the user with the ability to search the message content for a specific string.

Under Help:

• Help - Allows the user to display the help files.

In the Hex Data tab, if the user performs a right-mouse click then a popup window will be displayed. The user will be able to do the following:

- Copy Allows user to copy part or all of the message content to the system's clipboard.
- Find Provides the user with the ability to search the message content for a specific string.
- Close Close the Message Edit window.

4	🖗 Message Edit																			×
F	ile Edit View Help																			
		8 👜 🍃	5			1			P	1										
	View	💓 Hex Data		Me	ssage	Desc	riptor	Na	med P	roper	ties									
		Address	0	1	2	3	4	5	6	7	8	9	Α	в	с	D	Е	F	Text	
	Message Data	00000000	57	65 73	62	53	70	68	65 65	72	65	20	4D	51	20	63	6C	61 61	WebSphere MQ cla	-
L		00000020	6C	73	6F	20	72	65	66	65	72	72	65	64	20	74	6F	20	lso referred to	
	XML Viewer	00000030	61 62	73 61	20 73	57 65	65 20	62 4A	53 61	70 76	68 61	65 29	72 61	65 6C	20 6C	4D 6F	51 77	20 20	as WebSphere MQ base Java)allow	
	<i>1</i> 3	00000050	61 6E	20 20	70 69	72 6E	6F 20	67 74	72 68	61 65	6D	20 4A	77 61	72 76	69 61	74 20	74 70	65 72	a program writte n in the Java pr	=
	1SON Viewer	00000070	6F	67	72	61	6D	6D	69	6E	6		Сору	61	6E	67	75	61	ogramming langua	
	010110	00000090	20	74	6F	20	57	65	62	53	7 4	A F	ind	72	65	20	4D	51	to WebSphere MQ	
	Her Data	000000A0 000000B0	20 4D	61 51	73 20	20 63	61 6C	20 69	57 65	65 6E	6 7	(Close	68 20	65 43	72 6F	65 6E	20 6E	as a WebSphere MQ client - Conn	
		000000C0	65 61	63 20	74 57	20 65	64 62	69 53	72 70	65 68	65 65	74	0C	-79 20	20 4D	74 51	6F 20	20 73	ect directly to	
		000000E0	65	72	76	65	72	0A	0A	57	65	62	53	70	68	65	72	65	erver WebSphere	
	EBCDIC HEX Data	000000F0	20 61	4D 62	51 60	20 65	62 73	61 20	73 44	65 61	20 76	4A 61	61 20	76 61	61 70	20	65 60	6E	MQ base Java en ables Java annle	

🏶 TEST.Q1 on MQWT1						- D X						
File Queue Topic Me	ssage Prop	oerties	s View f	avorites Tools Help								
🔇 Queue Managers			TES	T.Q1/MQWT1 X _ 🗆	Message Descrip	tor						
Linux		^		Data 1 - 50	Field	Value						
Solarie	^		1	Charles John Huffham Dickens, 1812-1870Charles D ickens led a ver	Accounting Token	úæl Õê€Â ▲						
June dawa	-		2	In MQSeries, intercommunication means sending mess ages from one qu	Application Identity							
Windows	~		4	WebSphere MQ classes for Java (also referred to as WebSphere MQ ba	Backout Count	0						
MOWC1					Coded Character S	437						
MOWC2					Correlation ID							
MOWTI	_				Correlation ID in Hex	00000000000000						
	Let u				Data Length	2008						

8.8 EBCDIC Hex Data Dock

This section will describe how to edit a message in the opened queue. Use this tab when the data is in EBCDIC format but the message's MQMD does not have the Format field set to reflect the EBCDIC content.

If you have previously opened TEST.Q1, the main panel may look something like:

🏶 TEST.Q1 on MQWT	1						- • ×					
File Queue Topic M	file Queue Topic Message Properties View Favorites MQ Tools Tools Help											
		۳.		2 🖉 🕅 🐹 🗊 🛍 🛤 👼 📆 🗡 🛛	0							
Queue Managers			TES	T.Q1/MQWT1 X TEST.Q2/MQWT1 X	- 🗆	Message Descrip	tor					
HP-UX	Δ	*		Data 1 - 50	Data 51 - 100	Field	Value					
Linux			1	xml version="1.0" encoding="UTF-8"? <order th="" xmln<=""><th>s="http://www.ex</th><th>Accounting Token</th><th>úæl Õê€Â¿ ▲</th></order>	s="http://www.ex	Accounting Token	úæl Õê€Â¿ ▲					
Linux			2	xml version="1.0" encoding="UTF-8"? <favorite></favorite>	<station "eruption="" (<="" (mins)","eruption="" id="i!</td><td>Application Identity</td><td></td></tr><tr><td>Coloria</td><td></td><td></td><td>3</td><td>This is a test message #1This is a test message #</td><td></td><td>Application Origin D</td><td></td></tr><tr><td>Soldris</td><td></td><td></td><td>4</td><td>John,Doe,120 jefferson st.,Riverside, NJ, 08075Ja</td><td>ck,McGinnis,220 </td><td>Backout Count</td><td>0</td></tr><tr><th>Mindawa</th><th>_</th><th></th><th>5</th><th>" index",="" length="" th="" wait=""><th>mins)" 1, 3.600</th><th>CCSID</th><th>819</th></station>	mins)" 1, 3.600	CCSID	819				
windows	×		6	"Sell", "List", "Living", "Rooms", "Beds", "Baths"	, "Age", "Acres"	Correlation ID						
🛛 🛃 Laptop - MQWL1			7	Account LastName FirstName Balance	CreditLimit /	Correlation ID in Hex	00000000000000					
MQWC1			8	[{ color: "red", value: "#f00" }, { color: "gr	een", value: "#	Data Length	261					
MQWC2		Ξ	9	{"id": "0001","type": "donut","name": "Cake"	,"ppu": 0.55,"ba	Encoding	273					
MQWT1						Expiry	Unlimited 😑					
🛛 🛃 MQWT1 - Test Se	end Exit					Feedback	0					
MOW/T1 remote						Flans	None					

From the main panel of MQ Visual Edit, select Message, then Edit Message.

4	🏶 Message Edit																			
F	ile Edit Message Vie	w	Help																	
ſ		Q			h re	n, =	- 0			<i>d</i> ۵h	6									
L		Y		9 1	J .	- 5	- 1			88		,								
	View		EBCDIC HE	X Data	,	M	essage	e Desc	riptor	Na	amed P	roper	ties							
	111 I		Address	0	1	2	3	4	5	6	7	8	9	Α	в	с	D	Е	F	Text
			00000000	54	68	69	73	20	69	73	20	61	20	74	65	73	74	20	6D	
	Message Data		00000010	65	73	73	61	67	65	20	23	31	0A	54	68	69	73	20	69	/
	🍢		00000020	73	20	61	20	74	65	73	74	20	6D	65	73	73	61	67	65	//
	🔼		00000030	20	23	32	0A	54	68	69	73	20	69	73	20	61	20	74	65	/
	XML Viewer		00000040	73	74	20	6D	65	73	73	61	67	65	20	23	33	0A	54	68	···-/····
	6.3		00000050	73	61	20	65	20	20	34	20	74 54	68	60	74	20	60	73	20	
	1 T.3		000000070	61	20	74	65	73	74	20	6D	65	73	73	61	67	65	20	23	/
	JSON Viewer		00000080	35	0A	54	68	69	73	20	69	73	20	61	20	74	65	73	74	/
	_ <u>⇒</u> ∈		00000090	20	6D	65	73	73	61	67	65	20	23	36	0A	54	68	69	73	/
			000000A0	20	69	73	20	61	20	74	65	73	74	20	6D	65	73	73	61	//
	Fixed Width		000000B0	67	65	20	23	37	0A	54	68	69	73	20	69	73	20	61	20	/.
	Viewer		000000C0	74	65	73	74	20	6D	65	73	73	61	67	65	20	23	38	0A	·····_··/·····
			000000000	54	68	69 72	/3	20	69	73	20	61	20	74	65	/3	74	20	6D	
			000000E0	73	20	61	20	74	65	73	74	20	60	65	73	73	61	67	65	
	CSV Viewer		00000100	20	23	31	30	0A				20								
	(
	FIX Viewer																			
	010110 110011 101000 0001																			
	Hex Data																			
	EBCDIC HEX Data																			

In the columns of 0,1,2,3,4,5,6,7,8,9,0,A,B,C,D,E,F, you can alter the message content by using hexadecimal values. Clicking the **Save** button will delete the old copy of the message and insert the new updated message into the queue.

Under File:

• **Save to Queue** - Allows the user to save the message back to the queue (use this function after a change or update to the message content or the message's MQMD header.)

• **Print Message** - Allows the user to print the message.

Under Edit:

- Copy Allows user to copy part or all of the message content to the system's clipboard.
- Find Provides the user with the ability to search the message content for a specific string.

Under Help:

• Help - Allows the user to display the help files.

In the Hex Data tab, if the user performs a right-mouse click then a popup window will be displayed. The user will be able to do the following:

- Copy Allows user to copy part or all of the message content to the system's clipboard.
- Find Provides the user with the ability to search the message content for a specific string.
- Close Close the Message Edit window.

🐐 Message Edit 📃 🗾																			
File	Edit View Help																		
	t ti 🐺	<mark>8</mark> 📄 2	κ [=			Ŕ	1									
Vie	View BECDIC HEX Data Message Descriptor Named Propert																		
		Address	0	1	2	3	4	5	6	7	8	9	A	в	С	D	Е	F	Text
	Manager Data	00000000	57	65	62	53	70	68	65	72	65	20	4D	51	20	63	6C	61	
	Message Data	00000010	73	73	65	73	20	66	6F	72	20	4A	61	76	61	20	28	61	?c/.//
	- F	00000020	6C	73	6F	20	72	65	66	65	72	72	65	64	20	74	6F	20	%.??.
	- 5	00000030	61	73	20	57	65	62	53	70	68	65	72	65	20	4D	51	20	/
	XML Viewer	00000040	62	61	73	65	20	4A	61	76	61	29	61	6C	6C	6F	77	20	./c/././%%?
		00000050	61	20	70	72	6F	67	72	61	6D	20	77	72	69	74	74	65	/?/ =
	{···}	0000060	6E	20	69	6E	20	74	68	65	20	4A	61	76	61	20	70	72	>>c/./
	ISON Viewer	00000070	6F	67	72	61	6D	6D	69	6E	67	2	1		6E	67	75	61	?/>%/>/
	Joon viewei	0000080	6/	65	20	74	61	3A	0A CD	20	20	4	-	ору	6E	65	63	74	
	010110 110011 101000	00000090	20	61	72	20	57	20	57	22	60	å	A F	ind	60	20	40	20	
	6001	000000000	40	51	20	63	60	60	65	65	74	0		in a	43	65	65	20 6E	(* > >>
	Hex Data	000000000	65	63	74	20	64	69	72	65	63	7	c	lose	20	74	65	20	8 2
		000000000	61	20	57	65	62	53	70	68	65	72	65	20	4D	51	20	73	1
	11/1	000000E0	65	72	76	65	72	0A	0A	57	65	62	53	70	68	65	72	65	,
		000000F0	20	4D	51	20	62	61	73	65	20	4A	61	76	61	20	65	6E	.(/c/./>
	EBCDIC HEX Data	00000100	61	62	6C	65	73	20	4A	61	76	61	20	61	70	70	6C	65	/.%c/././%.
		00000110	74	73	2C	20	61	70	70	6C	69	63	61	74	69	6F	6E	73	/%/?>.

🐐 TEST.Q1 on MQWT1													
File Queue Topic Mess	File Queue Topic Message Properties View Favorites Tools Help												
Queue Managers			TES	T.Q1/MQWT1 X	- 🗆	🕌 Message Descrip	tor						
Linux	A	^		Data 1 - 50		Field	Value						
	_		1	Charles John Huffham Dickens, 1812-1870Charles D	ickens led a very	Accounting Token	úæl Õê€Â ▲						
Solaris	\bigtriangleup		2	WebSphere MQ classes for Java (also referred to as	WebSphere MQ ba	Application Identity							
Windows			3	In MQSeries, intercommunication means sending mess	ages from one qu	Application Origin D							
All Instee MOWER			4	WebSphere MQ classes for Java (also referred to as	WebSphere MQ ba:	Backout Count	0						
						Coded Character S	437						
MOWCI						Correlation ID							
MQWC2						Correlation ID in Hex	00000000000000						
MOWIL Test Cand	1					Data Length	2008						

8.9 Message Descriptor Dock

This section will describe how to edit a message in the opened queue.

If you have previously opened TEST.Q1, the main panel may look something like:

*	TEST.Q1 on MQWT1								٢					
F	ile Queue Topic Message Properties View Favorites Tools Help													
	Queue Managers			TES	T.Q1/MQWT1 X	- 🗖	Message Descrip	tor						
	Linux	•	~		Data 1 - 50		Field	Value						
	LINUX			1	Charles John Huffham Dickens, 1812-1870Charles D	ickens led a very	Accounting Token							
	Solaris	\bigtriangleup	-	2	WebSphere MQ classes for Java (also referred to as	WebSphere MQ ba:	Application Identity		1					
	Windows	\bigtriangledown		3	In MQSeries, intercommunication means sending mess	ages from one qu	Application Origin D							
	A Lanton - MOWL 1						Backout Count							
							Coded Character S							
	MOWCI						Correlation ID							
							Correlation ID in Hex							
	MQW11						Data Length							

From the main panel of MQ Visual Edit, select Message, then Edit Message.

🏀 Message Edit			
File Edit View Help			
	S 💼 🗙	10 A 2 V	
View	Message Data	Message Descriptor	Named Properties
Message Data	General	General Message Type:	MQMT_DATAGRAM
XML Viewer		Message Priority: Message Persistence:	0 V MQPER_NOT_PERSISTENT V
{···}		Put Date: Put Time:	2017-04-01 18:12:42.060
010110 110001 10001	Context	Expiry Interval: Reply-To Queue:	Unimited
Hex Data	Identifiers	Reply-To Queue Manager: Backout Count:	MQWT1 0
EBCDIC HEX Data	Segmentation		
	Attributes		

The user may alter any value on any of the Message Descriptor dock: **General, Report, Context, Identifiers, Segmentation** or **Attributes**. For more information about editing the Message Descriptor, go to chapter 9. Clicking the **Save** button will delete the old copy of the message and insert the new updated message into the queue.

STEST.Q1 on MQWT1							X						
File Queue Topic Me	file Queue Topic Message Properties View Favorites Tools Help												
🕨 😂 🖬 (
Queue Managers			TES	T.Q1/MQWT1 X	- 🗆	🕌 Message Descrip	tor						
Linux	^	•		Data 1 - 50		Field	Value						
LINUX			1	Charles John Huffham Dickens, 1812-1870Charles D	ickens led a very	Accounting Token	úæl Őê€Â ▲						
Solaris	Δ	_	2	WebSphere MQ classes for Java (also referred to as	WebSphere MQ ba	Application Identity							
Windows			3	In MQSeries, intercommunication means sending mess	ages from one qu	Application Origin D							
			4	WebSphere MQ classes for Java (also referred to as	WebSphere MQ ba:	Backout Count	0						
Laptop - MQWL1						Coded Character S	437						
MQWCI						Correlation ID							
MQWC2						Correlation ID in Hex	00000000000000						
MQWII						Data Length	2008						

8.10 Named Properties Dock

This section will describe how to edit a message in the opened queue.

If you have previously opened TEST.Q1, the main panel may look something like:

*	TEST.Q1 on MQWT1								٢		
F	ile Queue Topic Message Properties View Favorites Tools Help										
	$\textcircled{\texttt{B}} \bowtie \textcircled{\texttt{B}} \blacksquare \textcircled{\texttt{B}} \blacksquare \textcircled{\texttt{C}} \swarrow \textcircled{\texttt{C}} \blacksquare \textcircled{\texttt{B}} \blacksquare \textcircled{\texttt{B}} \blacksquare \textcircled{\texttt{C}} \And \textcircled{\texttt{C}}$										
	Queue Managers			TES	T.Q1/MQWT1 X	- 🗖	Message Descrip	tor			
	Linux	•	~		Data 1 - 50		Field	Value			
	LINUX			1	Charles John Huffham Dickens, 1812-1870Charles D	ickens led a very	Accounting Token				
	Solaris	\bigtriangleup	-	2	WebSphere MQ classes for Java (also referred to as	WebSphere MQ ba:	Application Identity		1		
	Windows	\bigtriangledown		3	In MQSeries, intercommunication means sending mess	ages from one qu	Application Origin D				
	A Lanton - MOWL 1						Backout Count				
							Coded Character S				
	MOWCI						Correlation ID				
							Correlation ID in Hex				
	MQW11						Data Length				

From the main panel of MQ Visual Edit, select Message, then Edit Message.

*	Message Edit				×								
F	ile Edit View Help												
		3 🗟 🗙 🛢 🖬 🖻 🖛	h 0										
	View	Message Data Message Descriptor	Named Properties										
	Message Data	Name	Value	Property Type									
	XML Viewer				Add Edit								
	{···}				Delete								
	JSON Viewer												
	Hex Data												
	EBCDIC HEX Data												

You can now edit, updated or delete sections of the message text. Clicking the **File** -> **Save to Queue** will delete the old copy of the message and insert the new updated message into the queue.

The user may add/edit/delete any value on any of the Named Properties dock. For more information about editing the Message Descriptor, go to chapter 9. Clicking the **Save** button will delete the old copy of the message and insert the new updated message into the queue.

🐐 TEST.Q1 on MQWT1												
File Queue Topic Mes	ile Queue Topic Message Properties View Favorites Tools Help											
	$\blacksquare \bowtie \blacksquare \blacksquare$											
Queue Managers			TES	T.Q1/MQWT1 X _ 🗖	🕌 Message Descrip	tor						
Linux	^	^		Data 1 - 50	Field	Value						
Linux			1	Charles John Huffham Dickens, 1812-1870Charles D ickens led a very	Accounting Token	úæl Õê€Â ▲						
Solaris	Δ		2	WebSphere MQ classes for Java (also referred to as WebSphere MQ ba	Application Identity							
Windows			3	In MQSeries, intercommunication means sending mess ages from one qu	Application Origin D							
Relation MOWEL			4	WebSphere MQ classes for Java (also referred to as WebSphere MQ ba	Backout Count	0						
					Coded Character S	437						
MOWCI					Correlation ID							
MOWEZ					Correlation ID in Hex	00000000000000						
	d et ca				Data Length	2008						

8.11 CICS Dock

This section will describe how to edit a message in the opened queue. If the selected message has been formatted with a MQCIH header then the MQCIH tab will appear on the Message Edit window.

If you have previously opened TEST.Q1, the main panel may look something like:



From the main panel of MQ Visual Edit, select Message, then Edit Message.

The MQCIH header has been parsed into easy to read fields. Clicking the **Save** button will delete the old copy of the message and insert the new updated message into the queue.

*	Message Edit								X		
F	File Edit View Help										
	12° % 🗣 🕹 📾 😹 🗊 🖺 🚍 🐚 🎽 14 100										
	View	MQCIH	Message Descriptor								
	CICS	CICS Information H Header Length:	Header 180 Encoding:	273	Flags:	0	Get Wait Interval:	-2			
	010110	Format:	CCSID:	819	UOW Control:	273	Output Data Length:	-1			
	101000	Return Code:	0 Completion Code:	0	Reason:	0	Facility Keep Time:	0			
	Hex Data	Start Code:	Cancel Code:		Cursor Position:	0	Error Offset:	0			
	11.8	Abend Code:	Function:		Authenticator:		Conversational Task:	0			
	EBCDIC HEX Data	Link Type:	1 Attention Id:		Facility:		Next TransactionId:				
		Remote SysId:	Facility Like:		Reply To Format:		Task End Status:	0			
		Remote TransId:	Input Item:	0	ADS Descriptor:	0	TransactionId:				
	Message Data:										
		1 THis is a	test message.								

8.12 MQDEAD Dock

This section will describe how to edit a message in the opened queue. If the selected message has been formatted with a MQDEAD header (i.e. in the queue manager's dead letter queue) then the MQDEAD tab will appear on the Message Edit window.

If you have previously opened SYSTEM.DEAD.LETTER.QUEUE, the main panel may look something like:

🌸 SYSTEM.DEAD.LETTER	😸 SYSTEM.DEAD.LETTER.QUEUE on MQWT1 📃 🔤 🔤 🔤											
File Queue Topic Message Properties View Favorites Tools Help												
	🕨 🌫 🖳 🕼 📕 🏪 🚰 🕑 🗶 🐑 🕼 🏨 📾 🗮 🗏 🗶 🎯											
Queue Managers			🖬 SYS	TEM.DEAD.LETTER.QUEUE / MQWT1 X	- 🗖	🕌 🙀 Message Descrip	itor					
Linux		*		Data 1 - 50		Field	Value					
Solaris			1	DLH DDDDDD%JUNK.Q.NAME	MQWT1	Accounting Token		<u>^</u>				
Jointis						Application Identity						
Windows	\bigtriangledown					Backout Count						
Laptop - MQWL1						Coded Character S						
MQWC1						Correlation ID						
MQWC2	_					Correlation ID in Hex						
						Data Length						

From the main panel of MQ Visual Edit, select Message, then Edit Message.

The MQDEAD header has been parsed into easy to read fields. Clicking the **Save** button will delete the old copy of the message and insert the new updated message into the queue.

4	Message Edit		X
F	ile Edit View Help	lp	
	l 🖁 🖁	3 📾 🗙 🗊 🛱 ≢ 🗰 🖀 🔞	
	View	MQDEAD Message Descriptor	
	l Dead	Dead Letter Header Reason Code: 2085	
	010110 110011 101000 00011 Hex Data	MQRC_LINKNOWN_OBJECT_NAME More Destination Q Name: JUNK.Q.NAME	
	M	Destination QMgr Name: MQWT1 Put Date: 2016-11-22 Put Time: 18:41:29,79 Encoderation: 772 COCID: 427	
	EBCDIC HEX Data	Format: MQSTR	
		Put-Application Type: MQA1_wulbOWS_N1 Put-Application Name: Sphere MQ/bin64\ampmppa.exe	
		Message Data:	

To help in problem resolution, the reason code has been translated into **Reason Text**. If this is not enough information to determine what the problem is, then click the **More** button.

	An MQOPEN or MQPUT1 call was issued, but the object identified by the ObjectName and C
	<pre>jectQMgrHame fields in the object descriptor MQCD cannot be found. One of the followir applies:</pre>
	 The ObjectQNgrName field is one of the following: Blank
	The name of the local queue manager
	The name of a local definition of a remote queue (a queue-manager alias) in which t
	e RemoteOMgrName attribute is the name of the local queue manager but no object with ?
	e specified ObjectName and Object ype exists on the local queue manager.
	* The object being opened is a cluster queue that is hosted on a remote queue manager,
ł	but the local queue manager does not have a defined route to the remote queue manager
	* The object being opened is a queue definition that has QSGDISP(GROUP). Such definit:
	ns cannot be used with the MCOVEN and MCVUT1 calls.
	Corrective action: Specify a valid object name. Ensure that the name is padded to the
	ight with blanks if necessary. If this is correct, check the queue definitions.

8.13 MQEVENT Dock

This section will describe how to edit a message in the opened queue. If the selected message has been formatted with a MQEVENT header then the MQEVENT tab will appear on the Message Edit window.

If you have previously opened SYSTEM.ADMIN.PERFM.EVENT, the main panel may look something like:

😽 SYSTEM.ADMIN.P	ERFM.EVEN	IT on M	IQWT1			—		×		
File Queue Topic M	essage Pro	perties	View Fa	vorites MQ Tools Tools Help						
	De 2 🖻 B 🗏 🚡 🗗 🕑 🗶 🐑 B 🛤 📾 📆 🗶 🕐									
Queue Managers			u sys	EM.ADMIN.PERFM.EVENT / MQWT1 X	🙀 Message Descrip	tor				
Linux		^		Data 1 - 50	Field	Value				
Solaris	\bigtriangleup		1 2	Event Type=MQCMD_PERFM_EVENT; Reason=MQRC_Q_DEPTH_ LOW; MQCA_Q_MGR_I Event Type=MQCMD_PERFM_EVENT; Reason=MQRC_Q_DEPTH_ HIGH; MQCA_Q_MGR_I	Accounting Token Application Identity			^		
Windows	_		3	Event Type=MQCMD_PERFM_EVENT; Reason=MQRC_Q_FULL; MQCA_Q_MGR_NAME=	Application Origin D					
windows	~		4	Event Type=MQCMD_PERFM_EVENT; Reason=MQRC_Q_DEPTH_ LOW; MQCA_Q_MGR_	Backout Count					
MQTEST01	l - No Exit				CCSID Correlation ID Correlation ID in Hex Data Length					

From the main panel of MQ Visual Edit, select Message, then Edit Message.

The MQEVENT header has been parsed into easy to read fields.

Message Edit File Edit Message Vi	iev Helo	×
View	MQEVENT Message Descriptor Named Properties MQ Event Message MQ Event Message Put Date: Tuesday May 18, 2021 Put Time: 04:43:12.290 PM Event Type: MQCMD_PEREM_EVENT Reason: MQRC_Q_DEPTH_LOW	
EBCDIC HEX Data	Parameter Value MQCA_Q_MGR_NAME MQWT1 MQCA_TIME_SINCE_RESET 8179 MQIA_HIGH_Q_DEPTH 293 MQIA_MSG_DRQ_COUNT 183 MQIA_MSG_DRQ_COUNT 0	

8.14 MQHSAP Dock

This section will describe how to edit a message in the opened queue. If the selected message has been formatted with a MQHSAP header then the MQHSAP tab will appear on the Message Edit window.

If you have previously opened TEST.Q1, the main panel may look something like:

🐐 TEST.Q1 on MQWT1										
File Queue Topic Message Prop	ew Favorites Tools Help									
🕨 😂 🖬 🖪 ''	🕨 🌫 🖪 🖪 🎽 🚰 🗹 🥙 🗶 📉 🛱 🛤 📾 📆 🔏 🞯									
Queue Managers	TEST.Q1/MQWT1 X	_ Message Descriptor								
Linux 🛆	Data 1 - 50	Field Value								
Solaris 🛆	1 SAPHDODDOD IDODDODUMQSTR DODD	Accounting Token								
Windows 🗢		Application Origin D								
Aptop - MQWL1 MQWC1 MQWC2 MQWT1		Coded Character S Correlation ID in Hex Correlation ID in Hex								

From the main panel of MQ Visual Edit, select Message, then Edit Message.

The MQHSAP header has been parsed into easy to read fields. Clicking the **Save** button will delete the old copy of the message and insert the new updated message into the queue.

🍀 Message Edit		×
File Edit View He	lp	
😫 😫	3 📾 🔀 🗊 🛱 들 🐂 🐂 🚳	
View	MQHSAP Message Descriptor	
	SAP Header	
R3/SAP	Header Length: 108 Encoding: 273 Flags: 0 Hostname:	
010110	Format: MQSTR CCSID: 437 System Number: 00 Client:	
101000	User ID: Password: Language:	
Hex Data	Message Data:	
	1 EDI_DC40 46C 6422 46C 6422 SAPDR1 LS CS_CUSTDB	
EBCDIC HEX Data	R1 L5 additional SAPL	`
	HEADER000 000000000000 Z003 EN 0003	

8.15 IMS Dock

This section will describe how to edit a message in the opened queue. If the selected message has been formatted with a MQIIH header then the MQIIH tab will appear on the Message Edit window.

If you have previously opened TEST.Q1, the main panel may look something like:

🐐 TEST.Q1 on MQWT1												
File Queue Topic Mess	ile Queue Topic Message Properties View Favorites Tools Help											
	📔 😂 🔜 🖺 🎽 🍄 🗹 🖤 🗶 😹 🗊 🋍 🏟 🎘 🔏 💿											
Queue Managers			u TE	st.q1/MQWT1 ×	- 🗆	🕌 Message Descrip	otor					
Linux		^		Data 1 - 50		Field	Value					
			1	IIH 000000T0000000 0000	° (i	Accounting Token	A					
Solaris	Δ		2	IIH 000000T0000000 0000	° (i	Application Identity						
Windows	\bigtriangledown		3	IIH 000000T0000000 0000	° (i	Application Origin D						
All poten MOWI 1						Backout Count						
						Coded Character S						
MOWCI						Correlation ID						
MQWC2						Correlation ID in Hex						
MOWT1 Test Cond	Exit					Data Length						

From the main panel of MQ Visual Edit, select Message, then Edit Message.

The MQIIH header has been parsed into easy to read fields. Clicking the **Save** button will delete the old copy of the message and insert the new updated message into the queue.

🖗 Message Edit											
File Edit View Help											
# % ¥ 4 5 5 5 5 1 1 1 1 1 1											
View MQIIH Message Descriptor											
IMS IMS Information Header Header Length: 84 Encoding: 273 Flags: 0											
Distribution Format: MQIMSVS CCSID: 0 LTerm Override: Commit Mode: 0 MFS Map Name: Reply To Format: MQIMSVS Authenticator: Security Scope: C											
Hex Data Tran InstanceId:											
EBCDIC HEX Data LL: 36 ZZ: 0 IMS Transaction Code: XYZ123 Convert EBCDIC data to ASCII Data Message Data:											
1 This is a test message.											

8.16 MQRFH Dock

This section will describe how to edit a message in the opened queue. If the selected message has been formatted with a MQRFH header then the MQRFH tab will appear on the Message Edit window.

If you have previously opened TEST.Q1, the main panel may look something like:



From the main panel of MQ Visual Edit, select Message, then Edit Message.

The MQRFH header has been parsed into easy to read fields. Clicking the **Save** button will delete the old copy of the message and insert the new updated message into the queue.

🏶 Message Edit
File Edit View Help
View MQRFH Message Descriptor
Rules and Formatting Header v1
RFH Header Length: 63 Encoding: 273 Flags: 0
Format: MQSTR CCSID: 437
NameValueString:
Hex Data MQPSCommand RegSub MQPSTopic
EBCDIC HEX Data Message Data:
1 ttt MQPSQName SYSTEM.DEFAULT.LOCAL.QUEUE MQPSStreamName sss MQPSQMgrName MQA1

8.17 MQRFH2 Dock

This section will describe how to edit a message in the opened queue. If the selected message has been formatted with a MQRFH2 header then the MQRFH2 tab will appear on the Message Edit window.

If you have previously opened TEST.Q1, the main panel may look something like:

🐐 TEST.Q1 on MQWT1								- D X		
File Queue Topic Message Properties View Favorites Tools Help										
$[\begin{tabular}{cccccccccccccccccccccccccccccccccccc$										
Queue Managers			u TE	ST.Q1/MQWT1 ×		- =	📕 Message Descrip	tor		
Linux		^		Data	1 - 50		Field	Value		
Solaris			1	RFH 0000001000000µMQSTR	0000000,000 <mcd><msd> 0000000,000 <mcd><msd></msd></mcd></msd></mcd>	jms_text <td>Accounting Token Application Identity</td> <td>^</td>	Accounting Token Application Identity	^		
Windows	\bigtriangledown		3	RFH DDDDDDDDDDDDDDµMQSTR	0000000,000 <mcd><msd></msd></mcd>	jms_text </th <th>Application Origin D</th> <th></th>	Application Origin D			
A Laptop - MQWL1 MQWC1 MQWC2							Backout Count Coded Character S Correlation ID Correlation ID in Hex			
MQWT1							Data Length			

From the main panel of MQ Visual Edit, select Message, then Edit Message.

The MQRFH2 header has been parsed into easy to read fields. Clicking the **Save** button will delete the old copy of the message and insert the new updated message into the queue.

4	Message Edit	
F	ile Edit View Hel	p
L	🗳 😫	3 📾 🔀 🗊 🛍 🗐 🖛 🐘 🔞
	View	WQRFH2 Message Descriptor
	3	Rules and Formatting Header v2
	RFH2	Header Length: 236 Encoding: 273 Flags: 0
	010110	Format: MQSTR CCSID: 437 Name Value CCSID: 1208
	Hox Data	MCD Folder:
	Hex Data	<mcd><msd>jms_text</msd></mcd>
	EBCDIC HEX Data	JMS Folder:
		<pre><jms><jms_p1>THis is a value for j1</jms_p1><jms_p2>this is another value</jms_p2></jms></pre>
		USR Folder:
		<pre></pre>
		Message Data:
		I In MQSeries, intercommunication means sending messages from one queue manager to another. The receiving queue manager could be on the same machine or another; nearby or on the other side of the world. It could be running on the same platform as the local queue manager, o r could be on any of the platforms supported by MQSeries. This is called a distributed env ironment. MQSeries handles communication in a distributed environment such as this using D istributed Queue Management (DQM).

8.18 MQXMIT Dock

This section will describe how to edit a message in the opened queue. If the selected message has been formatted with a MQXMIT header then the MQXMIT tab will appear on the Message Edit window.

If you have previously opened CSQ6.XMIT, the main panel may look something like:

🔹 CSQ6.XMIT on MQWT	1							X				
File Queue Topic Message Properties View Favorites Tools Help												
	$[\textcircled{R} \approx \blacksquare] \textcircled{R} = [\textcircled{R} = \textcircled{R} \approx \blacksquare] \textcircled{R} = \textcircled{R} \approx \blacksquare$											
Queue Managers			u cso	26.XMIT/MQWT1 ×	- 🗆	Message Descrip	itor					
Linux		*		Data 1 - 50		Field	Value					
			1	XQH DDDDTEST.Q1	C SQ6	Accounting Token		^				
Solaris	\bigtriangleup					Application Identity						
Windows						Application Origin D						
Al potos - MOWI 1						Backout Count						
MOWC1						Coded Character S						
MOWCI						Correlation ID						
MQWC2	_					Correlation ID in Hex						
BE MONITE Test Cond	P. 44					Data Length						

From the main panel of MQ Visual Edit, select Message, then Edit Message.

The MQXMIT header has been parsed into easy to read fields. Clicking the **Save** button will delete the old copy of the message and insert the new updated message into the queue.

*	Message Edit		x
F	ile Edit View Help	p	
	🗳 😫 🗮	3 📾 🔀 🗊 🛍 🚍 🐚 🐚 🙉 🞯	
1	View	MQXMIT Message Descriptor	
	,	Transmission Queue Header	
	Xmit	Remote Q Name: TEST.Q1	
	010110 110011 101000	Remote Q Manager Name: CSQ6	
	Hex Data	Message Descriptor	
	08	Message Descriptor Update	
	EBCDIC HEX Data	Message Data:	
		1 This is a test message going to the mainframe queue manager. 2	

8.19 SMQBAD Dock

This section will describe how to edit a message in the opened queue. If the selected message has been formatted with a SMQBAD header then the SMQBAD tab will appear on the Message Edit window.

If you have previously opened TEST.BAD, the main panel may look something like:

1 /				,	1	2	\mathcal{O}		
🍀 TEST.BAD on MQWT1									x
File Queue Topic Mess	age Prop	pertie	s View F	avorites Tools Help					
- R 2 - R - R - R - R - R - R - R - R -									
Queue Managers			TES	T.BAD / MQWT1 X		- 🗆	📕 Message Descrip	otor	
Linux		^		Data 1 - 50			Field	Value	
Coloria	0		1	BMH 000000000000000000 MQHSAP	DDDDWebsphere MQ C	lient for Java05	Accounting Token		*
Solaris			2	BMH 00000000000000000, MQHSAP	DDDDWebsphere MQ C	lient for Java05	Application Identity		
Windows	\bigtriangledown		3	BMH 0000000000000000000, MQHSAP	0000Websphere MQ C	lient for Java05	Application Origin D		
All aptop - MOWL1							Backout Count		
							Coded Character S		
MQWCI							Correlation ID		
MQWC2	_						Correlation ID in Hex		
MQWT1							Data Length		

From the main panel of MQ Visual Edit, select Message, then Edit Message.

The SMQBAD header has been parsed into easy to read fields. Clicking the **Save** button will delete the old copy of the message and insert the new updated message into the queue.

🍀 Message Edit							 X				
File Edit View Help											
L 🗳 😫 🐺 🕹 👼	X D B F	1 1	m 🕐								
View SMQ	(BAD Message Desc	riptor									
SAP Bad SMQBAD Reason (Message Header Code: 4109]									
010110 100111 100101 100000 00010 Error Tyr	Text: INVALID_MES	SAGE_LENGTH		More Encoding:	273						
Hex Data Put Date	:: 050408	Put Time:	1/16/03M	CCSID:	1208						
Put-Appl Put-Appl	ication Type: MQAT_JAVA lication Name: Websphere M	IQ Client for Ja	• Iva								
SAP Hea	ider										
Header L	ength: 108	Encoding:	273	Flags:	0 Hostnar	me:					
Format:	MQSTR	CCSID:	1208	System Number:	00 Client:						
Message	Data:	Password:		Language:							
1 EDI. 81	_DC40	460	ianut déf	. W. Street C. 2007	D1 SAPIR1	LS ROMEOINT	SAPI				
H_O	RD_HEAD01000	K11 7	0000	Das Barris (1. 01) Maria (1. 02)	1036681 D	Z2EBO_ EBO_DINNER_IND KK	PURC				

To help in problem resolution, the reason code has been translated into **Reason Text**. If this is not enough information to determine what the problem is, then click the **More** button.

The length	h of the inboun	d message is invalid for an IDoc.	
Imand The	data		
And a boo	- data:		

8.20 MQDH Dock

This section will describe how to edit a message in the opened queue. If the selected message has been formatted with a MQDH header then the MQDH tab will appear on the Message Edit window.

If you have previously opened TEST.Q1, the main panel may look something like:

*	TEST.Q1 on MQWT1											
F	File Queue Topic Message Properties View Favorites Tools Help											
	$ \mathrel{\blacktriangleright} \mathrel{\boxtimes} \mathrel{\boxtimes} \mathrel{\boxtimes} \mathrel{\boxtimes} \mathrel{\sqcup} \mathrel{\sqcup} \mathrel{\sqcup} \mathrel{\boxtimes} \mathrel{\boxtimes} \mathrel{\boxtimes} \mathrel{\boxtimes} \mathrel{\boxtimes} \mathrel{\boxtimes} \mathrel{\boxtimes} \boxtimes$											
	Queue Managers			TEST	r.q1/MQWT1 ×	- 🗆	🙀 Message Descrip	tor				
	Linux		-		Data 1 - 50		Field	Value				
		_		1	DH 000000000000000000000000000000000000		Accounting Token	úæl Őê€Â ▲				
	Solaris	\bigtriangleup					Application Identity					
	Windows						Application Origin D					
	Ballastas MONULI						Backout Count	0				
	MOWET						Coded Character S	437				
	MQWCI						Correlation ID					
		_					Correlation ID in Hex	00000000000000				
	MOW/T1 - Test Sand	Evit					Data Length	48				

From the main panel of MQ Visual Edit, select Message, then Edit Message.

The MQDH header has been parsed into easy to read fields. Clicking the **Save** button will delete the old copy of the message and insert the new updated message into the queue.

🐐 Message Edit	X
File Edit View Help	
View MQHDIST Message Descriptor	
Distribution Header	
Distribution Header Length: Encoding: 273 Flags: 0	
RIVELIN Format: MQSTR CCSID: 437	
Records Present: 0 Object Record Offset: 0	
Hex Data Put Message Records	
Fields 1 Offset: 0	
EBCDIC HEX Data Message Data:	
1 This is a test message	

8.21 MQMDE Dock

This section will describe how to edit a message in the opened queue. If the selected message has been formatted with a MQMDE header then the MQMDE tab will appear on the Message Edit window.

If you have previously opened TEST.Q1, the main panel may look something like:

TEST.Q1 on MQWT1												
File Queue Topic Messa	File Queue Topic Message Properties View Favorites Tools Help											
Queue Managers			TES	T.Q1/MQWT1 X		- 🗆	🙀 Message Descrip	tor				
Linux		^		Data 1 - 5	0		Field	Value				
Coloria	-		1	WIH DODDODOXODODODÙMQSTR I	0000serviceNameeeeeeee	eeeeeeeeeeeeee	Accounting Token	úæl Õê€Â ▲				
Solaris	Δ						Application Identity					
Windows							Application Origin D					
	-						Backout Count	0				
Laptop - MQWL1							Coded Character S	437				
MQWC1							Correlation ID					
MQWC2							Correlation ID in Hex	000000000000000				
MOWT1	Swit						Data Length	120				

From the main panel of MQ Visual Edit, select Message, then Edit Message.

The MQMDE header has been parsed into easy to read fields. Clicking the **Save** button will delete the old copy of the message and insert the new updated message into the queue.

File Edit View Help		
	<mark>\$</mark> ♣ ≱ ₿ ≡ ♥ ♥ ₿ @	
View	Ressage Descriptor	
Message Data	Work Information Header Header Length: 120 Encoding: 273 Flags: 0 Format: MQSTR CCSID: 473	
Hex Data	Service Name: serviceName Service Step: serviceS	
EBCDIC HEY Data	Message Token:	
EDUDIC HEX Data		

8.22 MQRMH Dock

This section will describe how to edit a message in the opened queue. If the selected message has been formatted with a MQRMH header then the MQRMH tab will appear on the Message Edit window.

If you have previously opened TEST.Q1, the main panel may look something like:

🐐 TEST.Q1 on MQWT1					
File Queue Topic Messag	je Propert	ties View	Favorites Tools Help		
		a d'	P 🖊 🐔 📉 🖨 🚔 🗮 🗶 🞯		
Queue Managers		.	TEST.Q1/MQWT1 X _ D	📕 Message Descripto	or
Linux	△ 1		Data 1 - 50	Field	Value
Solaris				Accounting Token Application Identity	
Windows				Application Origin D	
Laptop - MQWL1 MQWC1 MQWC2 MQWT1				Backout Count C Coded Character S 4 Correlation ID Correlation ID in Hex C Data Length	0 437 00000000000000 108

From the main panel of MQ Visual Edit, select Message, then Edit Message.

The MQRMH header has been parsed into easy to read fields. Clicking the **Save** button will delete the old copy of the message and insert the new updated message into the queue.

🏶 Message Edit	
File Edit View Help	
	3 📾 🔀 🛢 🖻 🐨 🖬 🛤 🞯
View Reference Messag Bississi Hex Data EBCDIC HEX Data	MQHREF Message Descriptor Reference Message Header
	Destination Object Length: 0 Offset: 0
	Bulk Data Length: 0 Offset: 0 Offset2: 0

8.23 MQTM Dock

This section will describe how to edit a message in the opened queue. If the selected message has been formatted with a MQTM header then the MQTM tab will appear on the Message Edit window.

If you have previously opened TEST.Q1, the main panel may look something like:

🔹 TEST.Q1 on MQWT1 📃 📃					
File Queue Topic Message	Properti	ies View F	avorites Tools Help		
🕨 🎜 🖪 🖪			2 🖉 🛛 🗶 🗊 🖺 🏘 🖨 📆 🗶 🞯		
Queue Managers		TES	T.Q1/MQWT1 X	Message Descrip	itor
Linux	△ ^		Data 1 - 50	Field	Value
Solaris		1	TM DDDDqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq	Accounting Token Application Identity	úæl Oë€A ▲
Windows	\bigtriangledown			Application Origin D	
A Laptop - MQWL1 MQWC1 MQWC2 MQWT1 MQWT1				Backout Count Coded Character S Correlation ID Correlation ID in Hex Data Length	0 437 0000000000000000 684

From the main panel of MQ Visual Edit, select Message, then Edit Message.

The MQTM header has been parsed into easy to read fields. Clicking the **Save** button will delete the old copy of the message and insert the new updated message into the queue.

e Edit View Help			
**	<mark>8 📾 🖂 🛙</mark>)	
View		Message Descriptor	
Trigger Message	Trigger Message Version Queue Name: Process Name: Trigger Data: Application Type: Application Id: Environment Data: User Data:	1 TEST.Q27 TEST01PR abc 28 Xy/2	
8.24 MQWIH Dock

This section will describe how to edit a message in the opened queue. If the selected message has been formatted with a MQWIH header then the MQWIH tab will appear on the Message Edit window.

If you have previously opened TEST.Q1, the main panel may look something like:

🍀 TEST.Q1 on MQWT1						
File Queue Topic Messa	ge Prop	pertie	s View F	avorites Tools Help		
		4		2 🖉 🗶 🕞 🛱 🖨 🗮 🗶		
Queue Managers			TES	T.Q1/MQWT1 X _ 🗖	🙀 Message Descrip	tor
Linux		^		Data 1 - 50	Field	Value
Colorie	_		1	WIH 000000000000000000000000000000000000	Accounting Token	úæl Õê€Â ▲
Solaris					Application Identity	
Windows	\sim				Application Origin D	
Anton - MOWL1					Backout Count	0
MOWC1					Coded Character S	437
MOWCI					Correlation ID	
	_				Correlation ID in Hex	00000000000000
MOWT1 Test Sand F	wit .				Data Length	120

From the main panel of MQ Visual Edit, select Message, then Edit Message.

The MQWIH header has been parsed into easy to read fields. Clicking the **Save** button will delete the old copy of the message and insert the new updated message into the queue.

File Edit View Help		
E 😫 🐺 🤮	a 🖌 🗊 角 🖻 🐂 🛤 💿	
View Wessage Data Www Message Data Www Her For Sec EBCDIC HEX Data Re	MQHWIH Message Descriptor ork Information Header eader Length: 120 Encoding: 273 Flags: 0 ormat: MQSTR CCSID: 473 rvice Name: serviceName rvice Step: serviceS essage Token: eserved:	

9 Message Properties

This chapter will describe how to edit, display, hide or customize the fields of the Message Descriptor (MQMD) and/or Named Properties. The user can select to edit only the Message Descriptor and/or Named Properties of a message.

9.1 Edit Message Descriptor

This section will describe how to edit message's Message Descriptor and/or Named Properties.

If you have previously opened the queue TEST.Q1, the main panel may look something like:



From the main panel of MQ Visual Edit, select Properties, then Edit Properties.

9.1.1 Message Descriptor

There are 6 panels on the **Message Descriptor** dock in the **Properties for Message** dialog: General, Report, Context, Identifiers, Segmentation and Attributes. The user can select any panel and edit a field's data. When the user is done editing the Message Descriptor attributes, click the **Save** button to save the message and it's attributes.

Properties for Me	ssage		×
<u>F</u> ile <u>H</u> elp			
S			
🕌 Message D	escriptor Named Pro	perties	
6	General		
General	Message Type:	MQMT_DATAGRAM -	
	Message Priority:	0 🗸	
Report	Message Persistence:	MQPER_PERSISTENT -	
2	Put Date:	2016-09-18	
Context	Put Time:	18:48:41.500	
	Expiry Interval:	Unlimited	
*	Reply-To Queue:	NOUT	
Identifiers	Reply-10 Queue Manager:		
	backbar count.		
Segmentation			
Attributes			

9.1.2 Named Properties

The Named Properties for the message are listed in a table.

The user can add/update/delete properties in the table. When the user is done editing the Named Properties, click the **Save** button to save the message and it's properties.

Image: Second					erties for Message			
Name Value Property Type MSDestination Queue:///TEST.Q1 String MSDestination Queue:///TEST.Q1 String mcd.Msd jms_text String	le <u>H</u> elp							
Name Value Property Type JMSDestination queue:///TEST.Q1 String mcd.Msd jms_text String				nerties	essage Descriptor			
Name Value Property Type JMSPriority 0 String JMSDestination queue:///TEST.Q1 String mcd.Msd jms_text String								
IMSPorty 0 String JMSDestination queue:///TEST.Q1 String mcd.Msd jms_text String			Property Type	Value	Name			
JMSDestination queue:///TEST.Q1 String mcd.Msd jms_text String	-		String	0	JMSPriority			
ncd.Misd jms_text String		Add 🚽	String	queue:///TEST.Q1	JMSDestination			
Lait Control Control			String	jms_text	mcd.Msd			

9.2 Search Message Descriptor

This section will describe how to Search message's Message Descriptor (MQMD).

If you have previously opened the queue TEST.Q1, the main panel may look something like:

TEST.Q1 on MQW	/T1					
ile Queue Topic	Message Pro	pertie	s View	Favorites MQ Tools Tools Help		
	B	۳.	d" [9 🗹 🕙 🗙 🗊 🛍 🛤 👼 🏷 🝞		
Queue Manage	rs		U TE	ST.Q1/MQWT1 X _	Message Descript	or
HP-UX		•		Data 1 - 50	Field	Value
Linux	0		1	xml version="1.0" encoding="UTF-8"? <order 1.0"="" ?="" encoding="UTF-8" xmln="" s="http://www.ex</td><td>Accounting Token</td><td></td></tr><tr><td>LIIIUX</td><td></td><td></td><td>2</td><td><pre><?xml version="><favorite> <station "eruption="" (mins)"="" (mins)",="" 1,="" 3.600<="" id="i</pre></td><td>Application Identity</td><td></td></tr><tr><td>Coloria</td><td>0</td><td></td><td>3</td><td>This is a test message #1This is a test message # 2This is a test</td><td>Application Origin D</td><td></td></tr><tr><td>Solaris</td><td></td><td></td><td>4</td><td>John,Doe,120 jefferson st.,Riverside, NJ, 08075Ja ck,McGinnis,220</td><td>Backout Count</td><td></td></tr><tr><td>Min dawn</td><td>_</td><td></td><td>5</td><td>" index",="" length="" td="" wait=""><td>CCSID</td><td></td></station></favorite></order>	CCSID	
windows	~		6	"Sell", "List", "Living", "Rooms", "Beds", "Baths", "Age", "Acres"	Correlation ID	
🛿 🖉 Laptop - MQWL	.1		7	Account LastName FirstName Balance CreditLimit	Correlation ID in Hex	
MQWC1			8	[{ color: "red", value: "#f00" }, { color: "gr een", value: "#	Data Length	
MQWC2		=	9	{"id": "0001","type": "donut","name": "Cake" ,"ppu": 0.55,"ba	Encoding	
MQWT1					Expiry	E
MQWT1 - Test	Send Exit				Feedback	
A MONT1 comet					Flage	

From the main panel of MQ Visual Edit, select **Properties**, then **Search Message Descriptor**. Click the checkbox next to the Message Descriptor field you wish to search on then input your search value.

Search Message Descriptor	
Message ID:	
Hex Data:	
Correlation ID:	
Hex Data:	
Group ID:	
Hex Data:	
User ID:	
Application Identity Data:	
Application Origin Data:	
Format	
Options	
Case Sensitive	
	OK OK Cancel

After clicking **Ok**, if a match is found, the table row containing the matching string will be highlighted in yellow.

TEST.Q1 on MQWT1			
File Queue Topic Message Properti	ies View Favorites MQ Tools Tools Help		
2 2 5 5 5	at 🕑 🗹 🕙 🗶 😹 🗊 🛍 🛤 🗮 📆 🗶 😰		
Queue Managers	TEST.Q1/MQWT1 X	Message Descrip	tor
HP-UX 🛆 🔺	Data 1 - 50	Field	Value
Linux 🛆	1 xml version="1.0" encoding="UTF-8"? <order 1.0"="" ?="" encoding="UTF-6" s="http://www.ex
2 <?xml version=" xmln=""><favorite> <station 1,="" 3,600<="" id="fi</th><th>Accounting Token
Application Identity</th><th>^</th></tr><tr><th>Solaris</th><th>3 This is a test message #1This is a test message # 2This is a test i</th><th>Application Origin D</th><th></th></tr><tr><th></th><th>Search Message Descriptor</th><th>Backout Count</th><th></th></tr><tr><th>Windows 🗢</th><th>(mins)" th=""><th>Correlation ID</th><th></th></station></favorite></order>	Correlation ID	
A Laptop - MOWL1	✓ Message ID: AMQ MQWT1	Correlation ID in Hex	
MQWC1	Hey Data: 414051204051575431202020202020201590905020588103	Data Length	
MQWC2 =	,"ppu": 0.55,"ba	Encoding	
MQWT1	Correlation ID:	Expiry	E
MQWT1 - Test Send Exit		Feedback	
MQWT1 remote	Hex Data:	Flags	
MQWT1 remote - MQCA		Format	
MQWT1 remote - MQCCI	Group ID:	Group ID	
MQWT1 remote - MQCE	Hex Data:	Group ID in Hex	
MQW11 remote - MQC1		Message ID Message ID in Herr	
MOWT1 remote - No Exit	User ID:	Message Type	
MOWT2	Application Identity Data:	Offset	
MOWT2 remote		Original Length	
MOWT2 remote - SetUserId	Application Origin Data:	Persistence	
🗾 момта	Esconst	Priority	
MQWT3 - Test Send Exit	Pormat	Put Date	
🖉 MQWT3 remote 🔔	Options	Put Time	
	Case Sensitive	Put-Application Name	
Status		Named Propertie	5
Field Value	oK ⊘ Cancel	Name	Value
Current Depth 9			

9.3 Search Next Message Descriptor

This section will describe how to Search Next message's Message Descriptor (MQMD).

If you have previously opened the queue TEST.Q1, the main panel may look something like:

🐐 TEST.Q1 on MQW	/T1							x	
File Queue Topic I	Message Pro	opertie	s View F	avorites MQ Tools Tools Help					
		۳.,		? 🖉 🕐 🗶 🕞 🛍 🛤 👼 뿣 🗡 (0				
🔇 Queue Manager	rs		TES	T.Q1/MQWT1 X	- 🗆	🙀 Message Descrip	tor		
HP-UX		^		Data 1 - 50		Field	Value		
1			1	xml version="1.0" encoding="UTF-8"? <order td="" xmln<=""><td>s="http://www.exa</td><td>Accounting Token</td><td></td><td></td></order>	s="http://www.exa	Accounting Token			
Linux			2	xml version="1.0" encoding="UTF-8"? <favorite></favorite>	<station "eruption="" (<="" (mins)","eruption="" id="i</td><td>Application Identity</td><td></td><td></td></tr><tr><td>Colonic</td><td>0</td><td></td><td>3</td><td>This is a test message #1This is a test message #</td><td>2This is a test r</td><td>Application Origin D</td><td></td><td></td></tr><tr><td>Solaris</td><td></td><td></td><td>4</td><td>John,Doe,120 jefferson st.,Riverside, NJ, 08075Ja</td><td>ck,McGinnis,220 </td><td>Backout Count</td><td></td><td></td></tr><tr><td>and a sum</td><td>_</td><td></td><td>5</td><td>" index",="" length="" td="" wait=""><td>mins)" 1, 3.600</td><td>CCSID</td><td></td><td></td></station>	mins)" 1, 3.600	CCSID		
windows	~		6	"Sell", "List", "Living", "Rooms", "Beds", "Baths"	, "Age", "Acres"	Correlation ID			
🛛 🛃 Laptop - MQWL	.1		7	Account LastName FirstName Balance	CreditLimit /	Correlation ID in Hex			
MQWC1			8	[{ color: "red", value: "#f00" }, { color: "gr	een", value: "#0	Data Length			
MQWC2		Ξ	9	{"id": "0001","type": "donut","name": "Cake"	,"ppu": 0.55,"ba	Encoding			
MQWT1						Expiry		Ξ	
MQWT1 - Test	Send Exit					Feedback			
A MOWT1 romoto						Flags			

From the main panel of MQ Visual Edit, select **Properties**, then **Search Next Message Descriptor**.

Click the checkbox next to the Message Descriptor field you wish to search on then input your search value.

Search Message Descriptor	
Message ID: AMQ MQWT1	�œ] X±
Hex Data: 414D51204D51575431	20202020202020159D9C5D2058B103
Correlation ID:	
Hex Data:	
Group ID:	
Hex Data:	
User ID:	
Application Identity Data:	
Application Origin Data:	
Format	
Options	
Case Sensitive	
[🗸 OK 🖉 Cancel

After clicking **Ok**, if a match is found, the table row containing the matching string will be highlighted in yellow or the following 'not found' popup window when all of the messages have been searched.



9.4 Show Message Descriptor

This section will describe how to show (turn on) the columns with the Message Descriptor (MQMD) data.

If you have previously opened TEST.Q1, the main panel may look something like:

-								
TEST.Q1 on MQWT	1							
File Queue Topic Message Properties View Favorites MQ Tools Tools Help								
	B	۳.	. * [9 🗹 🕙 🗶 🗊 🛍 🛤 📾 📆 🔀 🝞				
Queue Managers			U TE	5T.Q1/MQWT1 X _ [Message Descriptor			
HP-UX		*		Data 1 - 50	Field Value			
			1	xml version="1.0" encoding="UTF-8"? <order 1.0"="" ?="" encoding="UTF-8" s="http://www.e</td><td>× Accounting Token</td></tr><tr><td>LINUX</td><td></td><td></td><td>2</td><td><?xml version=" xmln=""><favorite> <station "eruption="" (mins)"="" (mins)",="" 1,="" 3.60<="" id="</td><td>1 Application Identity</td></tr><tr><td>Coloria</td><td></td><td></td><td>3</td><td>This is a test message #1This is a test message # 2This is a test</td><td>Application Origin D</td></tr><tr><td>Solaris</td><td></td><td></td><td>4</td><td>John,Doe,120 jefferson st.,Riverside, NJ, 08075Ja ck,McGinnis,220</td><td>Backout Count</td></tr><tr><td>Windows</td><td>_</td><td></td><td>5</td><td>" index",="" length="" td="" wait=""><td>0 CCSID</td></station></favorite></order>	0 CCSID			
windows	~		6	"Sell", "List", "Living", "Rooms", "Beds", "Baths" , "Age", "Acres	" Correlation ID			
🛃 Laptop - MQWL 1			7	Account LastName FirstName Balance CreditLimit	Correlation ID in Hex			
AWQWC1			8	[{ color: "red", value: "#f00" }, { color: "gr een", value: "	# Data Length			
MQWC2		Ξ	9	{"id": "0001","type": "donut","name": "Cake" ,"ppu": 0.55,"b	a' Encoding			
MQWT1					Expiry			
🚑 MQWT1 - Test S	end Exit				Feedback			
MOWT1 remote					Flags			

From the main panel of MQ Visual Edit, select **Properties**, then **Show Message Descriptor Columns**.

The Message Descriptor is contained within 27 columns. The Message Descriptor columns have been inserted to be the first 27 columns displayed to the user. Note: Side the horizontal scroll bar to see your data.

🍀 TEST.Q1 on MQW	/T1											x
File Queue Topic	Message Pro	opertie	s View F	avorites MQ To	ools Tools Help							
		۳	▞	2 🗹 💌	X 🔀 🗊	e m	1 📆 🔀 😰					
(C) Queue Manager	rs		TES	T.Q1/MQWT1	×			-		🙀 Message Descrip	tor	
HP-UX	\bigtriangleup	^		Put Date	Put Time	Format	Persistence	Priority		Field	Value	
1			1	2019-10-08	16:26:08.920	MQSTR	Not Persistent	0	r	Accounting Token		
Linux			2	2019-10-08	16:26:08.950	MQSTR	Not Persistent	0	r	Application Identity		
Calaria			3	2019-10-08	16:26:08.950	MQSTR	Not Persistent	0	r	Application Origin D		
Soldris			4	2019-10-08	16:26:08.950	MQSTR	Not Persistent	0	r	Backout Count		
and a second	_		5	2019-10-08	16:26:08.950	MQSTR	Not Persistent	0	r	CCSID		
windows	~		6	2019-10-08	16:26:08.960	MQSTR	Not Persistent	0	r	Correlation ID		
🛛 🛃 Laptop - MQWL	.1		7	2019-10-08	16:26:08.960	MQSTR	Not Persistent	0	r	Correlation ID in Hex		
MQWC1			8	2019-10-08	16:26:08.960	MQSTR	Not Persistent	0	r	Data Length		
MQWC2		Ξ	9	2019-10-08	16:26:09.020	MQSTR	Not Persistent	0	r	Encoding		
MQWT1										Expiry		E
MQWT1 - Test :	Send Exit									Feedback		
MOW/T1 remote	•									Flans		

9.5 Hide Message Descriptor

This section will describe how to hide (turn off the columns) with the Message Descriptor (MQMD) data.

If you have previously opened the queue TEST.Q1 showing the Message Descriptor data, the main panel may look something like:

🐐 TEST.Q1 on MQW	Τ1										X
File Queue Topic N	Aessage Pro	opertie	s View F	avorites MQ To	ools Tools Help						
	B	۳		2 🗹 💌 [X 💦 🗍	B A E	1 📆 🔀 🕐				
Queue Manager:	s		TES	r.q1/MQWT1	×			- 🗆	Message Descrip	tor	
HP-UX		•		Put Date	Put Time	Format	Persistence	Priority	Field	Value	
Linux	0		1	2019-10-08	16:26:08.920	MQSTR	Not Persistent	0 r	Accounting Token		
Linux			2	2019-10-08	16:26:08.950	MQSTR	Not Persistent	0 r	Application Identity		
Coloria	0		3	2019-10-08	16:26:08.950	MQSTR	Not Persistent	0 r	Application Origin D		
Sularis			4	2019-10-08	16:26:08.950	MQSTR	Not Persistent	0 r	Backout Count		
Mindaus	_		5	2019-10-08	16:26:08.950	MQSTR	Not Persistent	0 r	CCSID		
Windows	~		6	2019-10-08	16:26:08.960	MQSTR	Not Persistent	0 r	Correlation ID		
🛛 🚑 Laptop - MQWL	1		7	2019-10-08	16:26:08.960	MQSTR	Not Persistent	0 r	Correlation ID in Hex		
MQWC1			8	2019-10-08	16:26:08.960	MQSTR	Not Persistent	0 r	Data Length		
MQWC2		Ξ	9	2019-10-08	16:26:09.020	MQSTR	Not Persistent	0 r	Encoding		
MQWT1									Expiry		=
MQWT1 - Test S	Send Exit								Feedback		
MOW/T1 remote									Flags		

From the main panel of MQ Visual Edit, select Properties, then Hide Message Descriptor Columns.

The main panel main panel may look something like:

🐐 TEST.Q1 on MQV	VT1							x	
File Queue Topic	File Queue Topic Message Properties View Favorites MQ Tools Tools Help								
		¥,	. [? 🖉 🕅 🐹 🗊 🛍 🛤 👼 📜 🗶 🌘	3				
🔇 Queue Manage	ers		TES	r.q1/MQWT1 ×	- 🗖	Message Descrip	tor		
HP-UX		•		Data 1 - 50		Field	Value		
			1	xml version="1.0" encoding="UTF-8"? <order s<="" th="" xmln=""><th>s="http://www.exa</th><th>Accounting Token</th><th></th><th></th></order>	s="http://www.exa	Accounting Token			
Linux			2	xml version="1.0" encoding="UTF-8"? <favorite></favorite>	<station "eruption="" (="" (mins)","eruption="" id="i!</td><td>Application Identity</td><td></td><td></td></tr><tr><th>Folguis</th><th>0</th><th></th><th>3</th><th>This is a test message #1This is a test message # 2</th><th>2This is a test i</th><th>Application Origin D</th><th></th><th></th></tr><tr><td>Solaris</td><td></td><td></td><td>4</td><td>John,Doe,120 jefferson st.,Riverside, NJ, 08075Ja</td><td>ck,McGinnis,220 </td><td>Backout Count</td><td></td><td></td></tr><tr><th>Windows</th><th>_</th><th></th><th>5</th><th>" index",="" length="" n<="" th="" wait=""><th>mins)" 1, 3.600</th><th>CCSID</th><th></th><th></th></station>	mins)" 1, 3.600	CCSID		
Willdows	~		6	"Sell", "List", "Living", "Rooms", "Beds", "Baths",	, "Age", "Acres"	Correlation ID			
🛛 🛃 Laptop - MQW	/L1		7	Account LastName FirstName Balance	CreditLimit /	Correlation ID in Hex			
MQWC1			8	[{ color: "red", value: "#f00" }, { color: "gr 6	een", value: "#(Data Length			
MQWC2		Ξ	9	{"id": "0001","type": "donut","name": "Cake" ,	,"ppu": 0.55,"ba	Encoding			
MQWT1						Expiry		Ξ	
MQWT1 - Test	t Send Exit					Feedback			
MOWT1 remot	he					Flags			

9.6 Choose Message Descriptor Columns

This section will describe how to choose the Message Descriptor columns that will be displayed to the user.

If you have previously opened the queue TEST.Q1, the main panel may look something like:

🐐 TEST.Q1 on MQWT1							- D X
File Queue Topic Message Properties View Favorites Tools Help							
$[\boxed{\texttt{B}} \approx \texttt{B} \boxed{\texttt{B}} \boxed{\texttt{B}} \approx \texttt{C} \approx $							
Queue Managers			TES	r.q1/MQWT1 ×	- 🗆	📕 Message Descrip	tor
Linux		*		Data 1 - 50		Field	Value
			1	Charles John Huffham Dickens, 1812-1870Charles D	ickens led a very	Accounting Token	A
Solaris	\bigtriangleup		2	In MQSeries, intercommunication means sending mess	ages from one qu	Application Identity	
Windows			3	WebSphere MQ classes for Java (also referred to as	WebSphere MQ ba	Application Origin D	
	Ť					Backout Count	
						Coded Character S	
MQWCI						Correlation ID	
MQWC2						Correlation ID in Hex	
MOWT1 Test Sand	Exit					Data Length	

From the main panel of MQ Visual Edit, select **Properties**, then **Choose Columns**.

The Modify Columns dialog box will be displayed. Select items in either the left or right panels to enable the selection of the column names.

🍀 Modify Columns				×
Hidden Columns: Accounting Token Application Identity Data Application Origin Data Backout Count CCSID Correlation ID Correlation ID in Hex Data Length Encoding Expiry Feedback Flags Group ID Group ID in Hex Message ID Message ID	Add > < Remove Add All >> << Remove All	Displayed Columns: Put Date Put Time Format Priority Persistence User ID	Save	Move Up
الــــــــــــــــــــــــــــــــــــ				

Click the Save button to save the updated column information.

10 User Formats

This chapter will describe how to create, update and delete user defined formats. User formats allows the end-user to define formats for user specific data. Currently, MQ Visual Edit supports 3 different types of user formats:

- Fixed Width format
- CSV (Comma Separated Value) format
- FIX (Financial Information eXchange) format

MQ Visual Edit can import a COBOL CopyBook as a Fixed Width format.

There are 2 ways to access the user formats in MQ Visual Edit:

- On the main window, click *Message > User Formats*
- On the edit window, click *Message > User Formats*

10.1 Fixed Width Format

This section will describe how to add, edit and delete Fixed Width formats.

10.1.1 Add a Fixed Width Format

This section will describe how to add a Fixed Width format.

First, click the *Add* button, input a unique name for this new Fixed Width Format and click the *OK* button.



O Cancel

Test01_FW

VOK

10.1.1.1 Import COBOL Copybook

Rather than manually inputting all of the fields of a COBOL Copybook, the user can use the *Import* button to parse and load the fields from the COBOL Copybook, into the Fixed Width Layout window.

-	🎉 Fixed Width Layout : Testttt					×
[Field Name	Field Type	Start	Length	Type for Table Sorting]
						📥 Add
						/ Edit
						💥 Delete
						1 Move Up
						Move Down
					(🕂 Import
						Save
						Close
	Remove first (header) row from data					
R	ecord Separator: New Line 🗸 🗸					
C	bject Names to be Formatted:					
					🔁 Update	

Next, the user selects the COBOL Copybook file and any options the user wants.

Cabal Carakaala	~ ^ ^
Сорог Соруроок	
File Name	Erowse
Scan Cobol Copybook using columns: Start Position: 6 v End Position: 71 v	
Prefix	
	C 🔓 Load
Prefix group name to the field name	

Normally, COBOL code is written starting in column 6 and ending at column 71. If your code is different then simply select the start and end positions of the code in the COBOL Copybook file.

The user may wish to prefix the group name to the field name. If so, click the checkbox and then select the concatenation character to be used.

10.1.1.2 Field Definition

Next, on the Fixed Width Layout window, the user can add fields to the layout format by clicking the *Add* button.

	😽 Fixed Width Layout : Testttt					×
	Field Name	Field Type	Start	Length	Type for Table Sorting	
					(Add
						Edit
						💥 Delete
						1 Move Up
						Hove Down
						🖛 Import
						Save
						Olose 😡
	Remove first (header) row from data					
F	lecord Separator: New Line 🗸 🗸					
0	bject Names to be Formatted:					
l					Topdate 🔁	

Input a name for the field, select the type of data that is represented by this field, the start position and the length of the field then click the OK button.

🏶 Add Field Definition					
Field Name:	Last				
Туре:	String ~				
Endianness:	Little \checkmark				
Start Position:	1				
Length:	20				
Type for Table Sorting:	String ~				
	V Cancel				

Note: For *Type* field, do not select Integer, Double, Float, Long or Short if the data is NOT in binary format representation of the field. Also, the Endianess applies to Integer, Double, Float, Long and Short binary fields on how the binary data is laid out.

The *Type for Table Sorting* field, how the Java Table is to treat the data for sorting of the column.

10.1.1.3 Remove first (header) row from data

The *Remove first (header) row from data* states if the first row of data should or should not be displayed to the end-user.

10.1.1.4 Record Separator

The *Record Separator* states how each row is laid out in the message data. The default is "New Line". The user can change it to one of the other values in the dropdown.

10.1.1.5 Object Names to be formatted

The *Object Names to be formatted* is a list of queues and topics that the format will be automatically applied to when the user clicks the Fixed Width Viewer in the Edit Message Window. This parameter is optional.

The *Object Names to be formatted* can be the fully qualified queue or topic name or it can be a regular expression pattern.

In the regular expression pattern:

- '*' matches any sequence of characters (zero or more)
- '?' matches any single character
- '#' matches any single numeric digit (0-9)
- '@' matches any single alphabetic character (A-Z, a-z)
- [SET] matches any of the characters in the specified set
- [!SET] or [^SET] matches any character except those specified in the set (negation).

A SET can be composed of characters or ranges. A range is in the form: 'character – character' (i.e. 0-9 or A-Z). Although this is the simplest range allowed in the [] pattern, more complex inclusive ranges such as [0-9a-zA-Z] are allowed. [0-9a-zA-Z] specifies that the character can be 0 through 9 or a through z or A through Z. Other characters are allowed (ie. 8 bit characters) if your system supports them.

In order to suppress the special syntactic significance of any of these characters '[] * ? # @ ! $^ -$ ', a backslash ('\') must precede the special character.

10.1.1.6 Saving Format

When you are done inputting fields, click the *Save* button to the new layout to the database.

10.1.2 Edit a Fixed Width Format

This section will describe how to edit a Fixed Width format.

Click the *Edit* button (or double left click on the format name) to open the Fixed Width Layout window.

🏶 User Formats			×
	Format Name	Object Names to be Formatted	
Fixed Width	Credit-Balance	TEST.Q1;TEST.Q2	
	Hospital		Add
	Test01_FW		
			Edit
CSV			Rename
			- Ser Kename
			🔀 Delete
FIX			
			Close

10.1.2.1 Field Definition

On the Fixed Width Layout window, the user can add, edit or delete fields of the layout format.

Fixed Width Layout : Test01_FW					×
Field Name	Field Type	Start	Length	Type for Table Sorting]
Last	String	1	10	String	
First	String	11	10	String	📥 Add
Address	String	21	25	String	
City	String	46	25	String	🔰 🖊 Edit 🗋
Prov/State	String	71	25	String	
Country	String	96	25	String	💥 Delete
					 ↑ Move Up ↓ Move Down ↓ Import ↓ Save ↓ Close
Remove first (header) row from data					
Record Separator: New Line 🗸 🗸					
Object Names to be Formatted:					
				😂 Update	

10.1.2.2 Remove first (header) row from data

The *Remove first (header) row from data* states if the first row of data should or should not be displayed to the end-user.

10.1.2.3 Record Separator

The *Record Separator* states how each row is laid out in the message data. The default is "New Line". The user can change it to one of the other values in the dropdown.

10.1.2.4 Object Names to be formatted

The *Object Names to be formatted* is a list of queues and topics that the format will be automatically applied to when the user clicks the Fixed Width Viewer in the Edit Message Window. This parameter is optional.

The *Object Names to be formatted* can be the fully qualified queue or topic name or it can be a regular expression pattern.

In the regular expression pattern:

- '*' matches any sequence of characters (zero or more)
- '?' matches any single character
- '#' matches any single numeric digit (0-9)
- '@' matches any single alphabetic character (A-Z, a-z)
- [SET] matches any of the characters in the specified set
- [!SET] or [^SET] matches any character except those specified in the set (negation).

A SET can be composed of characters or ranges. A range is in the form: 'character – character' (i.e. 0-9 or A-Z). Although this is the simplest range allowed in the [] pattern, more complex inclusive ranges such as [0-9a-zA-Z] are allowed. [0-9a-zA-Z] specifies that the character can be 0 through 9 or a through z or A through Z. Other characters are allowed (ie. 8 bit characters) if your system supports them.

In order to suppress the special syntactic significance of any of these characters '[] * ? # @ ! $^ -$ ', a backslash ('\') must precede the special character.

10.1.2.5 Saving Format

When you are done inputting fields, click the *Save* button to the new layout to the database.

10.1.3 Rename a Fixed Width Format

This section will describe how to rename a Fixed Width format.

First, click the *Rename* button.

	Format Name	Object Names to be Formatted	
Fixed Width	Credit-Balance	TEST.Q1;TEST.Q2	
	Hospital		Add 📥
	Test01_FW		
CEV			Edit
			Rename
			🔀 Delete
FIX			

Now specify a new format name then click the *OK* button.



10.1.4 Delete a Fixed Width Format

This section will describe how to delete a Fixed Width format.

First, click the *Delete* button.

	Format Name	Object Names to be Formatted	
Fixed Width	Credit-Balance	TEST.Q1;TEST.Q2	
	Hospital		📥 Add
	Test01_FW		
CEV			Edit
CSV			Rename
			Brendine
			C X Delete
FIX			
FIX			X Dele

Click the Yes button to confirm the deletion of the particular Fixed Width format.



10.2 CSV Format

This section will describe how to add, edit and delete CSV (Comma Separated Value) formats.

10.2.1 Add a CSV Format

This section will describe how to add a CSV format.

First, click the Add button, input a unique name for this new CSV Format and click the OK button.





10.2.1.1 Field Definition

Next, on the CSV Layout window, the user can add fields to the layout format by clicking the *Add* button.

🏶 CSV	Layout : Test04_CSV		×
	Column Name	Type for Table Sorting	
			Add
			/ Edit
			💥 Delete
			A Move Lip
			Move Down
			Save
			Close
Rem	ove first (header) row from data		
Field Deli	niter: Comma V Record Separator: New Line V		
Object Na	ames to be Formatted:		
		🔁 Upda	te

Input a name for the CSV column then click the *OK* button.



10.2.1.2 Remove first (header) row from data

The *Remove first (header) row from data* states if the first row of data should or should not be displayed to the end-user.

10.2.1.3 Field Delimiter

The *Field Delimiter* states how each column is separated from the next column. The default is "Comma". The user can change it to one of the other values in the dropdown.

10.2.1.4 Record Separator

The *Record Separator* states how each row is laid out in the message data. The default is "New Line". The user can change it to one of the other values in the dropdown.

10.2.1.5 Object Names to be formatted

The *Object Names to be formatted* is a list of queues and topics that the format will be automatically applied to when the user clicks the Fixed Width Viewer in the Edit Message Window. This parameter is optional.

The *Object Names to be formatted* can be the fully qualified queue or topic name or it can be a regular expression pattern.

In the regular expression pattern:

- '*' matches any sequence of characters (zero or more)
- '?' matches any single character
- '#' matches any single numeric digit (0-9)
- '@' matches any single alphabetic character (A-Z, a-z)
- [SET] matches any of the characters in the specified set
- [!SET] or [^SET] matches any character except those specified in the set (negation).

A SET can be composed of characters or ranges. A range is in the form: 'character – character' (i.e. 0-9 or A-Z). Although this is the simplest range allowed in the [] pattern, more complex inclusive ranges such as [0-9a-zA-Z] are allowed. [0-9a-zA-Z] specifies that the character can be 0 through 9 or a through z or A through Z. Other characters are allowed (ie. 8 bit characters) if your system supports them.

In order to suppress the special syntactic significance of any of these characters '[] * ? # @ ! $^ -$ ', a backslash ('\') must precede the special character.

10.2.1.6 Saving Format

When you are done inputting fields, click the *Save* button to the new layout to the database.

10.2.2 Edit a CSV Format

This section will describe how to edit a CSV format.

Click the *Edit* button (or double left click on the format name) to open the CSV Layout window.

User Formats			
đþ [Format Name	Object Names to be Formatted	
Fixed Width	Test01_CSV		
			Add
CEV			Edit
CSV			Rename
			Noloto
FIX			
			Close

10.2.2.1 Field Definition

On the CSV Layout window, the user can add, edit or delete fields of the layout format.

🌾 CSV	Layout : Test01_CSV		×
	Column Name	Type for Table Sorting	
1	First Name	String	
2	Last Name	String	Add .
3	Address	String	TAdu
4	City	String	/ Edit
5	State	String	
6	Zip Code	String	💥 Delete
Field Dell	ove first (header) row from data miter: Comma V Record Separator: New Line V ames to be Formatted:	Cupdate	Move Up Move Down Save Close

10.2.2.2 Remove first (header) row from data

The *Remove first (header) row from data* states if the first row of data should or should not be displayed to the end-user.

10.2.2.3 Field Delimiter

The *Field Delimiter* states how each column is separated from the next column. The default is "Comma". The user can change it to one of the other values in the dropdown.

10.2.2.4 Record Separator

The *Record Separator* states how each row is laid out in the message data. The default is "New Line". The user can change it to one of the other values in the dropdown.

10.2.2.5 Object Names to be formatted

The *Object Names to be formatted* is a list of queues and topics that the format will be automatically applied to when the user clicks the Fixed Width Viewer in the Edit Message Window. This parameter is optional.

The *Object Names to be formatted* can be the fully qualified queue or topic name or it can be a regular expression pattern.

In the regular expression pattern:

- '*' matches any sequence of characters (zero or more)
- '?' matches any single character
- '#' matches any single numeric digit (0-9)
- '@' matches any single alphabetic character (A-Z, a-z)
- [SET] matches any of the characters in the specified set
- [!SET] or [^SET] matches any character except those specified in the set (negation).

A SET can be composed of characters or ranges. A range is in the form: 'character – character' (i.e. 0-9 or A-Z). Although this is the simplest range allowed in the [] pattern, more complex inclusive ranges such as [0-9a-zA-Z] are allowed. [0-9a-zA-Z] specifies that the character can be 0 through 9 or a through z or A through Z. Other characters are allowed (ie. 8 bit characters) if your system supports them.

In order to suppress the special syntactic significance of any of these characters '[] * ? # @ ! $^ -$ ', a backslash ('\') must precede the special character.

10.2.2.6 Saving Format

When you are done inputting fields, click the *Save* button to the new layout to the database.

10.2.3 Rename a CSV Format

This section will describe how to rename a CSV format.

First, click the *Rename* button.

	Format Name	Object Names to be Formatted	
Fixed Width	Test01_CSV		
			📥 Add
			Edit
CSV			
			Rename
			🔀 Delete
FIX			

Now specify a new format name then click the *OK* button.



10.2.4 Delete a CSV Format

This section will describe how to delete a CSV format.

First, click the *Delete* button.

	Format Name	Object Names to be Formatted	
Fixed Width	Test01_CSV		
			📥 Add
			Edit
CSV			
			Rename
			C X Delete
FIX			

Click the *Yes* button to confirm the deletion of the particular CSV format.



10.3 FIX Format

This section will describe how to add, edit and delete FIX (Financial Information eXchange) formats.

10.3.1 Add a FIX Format

This section will describe how to add a FIX format.

First, click the Add button, input a unique name for this new FIX Format and click the OK button.

🍇 User Formats			X
Fixed Width CSV FIX	Format Name	Object Names to be Formatted	Edit Edit Rename X Delete
	Input	Please specify a new 'Format Name'. Test01_FIX V OK Ocancel	

10.3.1.1 Field Definition

Next, on the FIX Layout window, the user can add fields to the layout format by clicking the *Add* button.

🏟 FIX Layout : Test02_FIX		×
FIX Layout : Test02_FIX Column Name	Type for Table Sorting	Add Add Edit Celete Move Up Move Down Save Close Close
Remove first (header) row from data Field Delimiter: Comma Record Separator: New Line Object Names to be Formatted:	Update	

Input a name for the FIX column then click the *OK* button.

Please spe	ecify a new 'Column Na	me'.	×
?	Column Name:	Data_01	
× ·	Type for Table Sorting:	String ~	
	(V OK 🖉 Cancel	

10.3.1.2 Remove first (header) row from data

The *Remove first (header) row from data* states if the first row of data should or should not be displayed to the end-user.

10.3.1.3 Field Delimiter

The *Field Delimiter* states how each column is separated from the next column. The default is "SOH (x'01')". The user can change it to one of the other values in the dropdown.

10.3.1.4 Record Separator

The *Record Separator* states how each row is laid out in the message data. The default is "New Line". The user can change it to one of the other values in the dropdown.

10.3.1.5 Object Names to be formatted

The *Object Names to be formatted* is a list of queues and topics that the format will be automatically applied to when the user clicks the Fixed Width Viewer in the Edit Message Window. This parameter is optional.

The *Object Names to be formatted* can be the fully qualified queue or topic name or it can be a regular expression pattern.

In the regular expression pattern:

- '*' matches any sequence of characters (zero or more)
- '?' matches any single character
- '#' matches any single numeric digit (0-9)
- '@' matches any single alphabetic character (A-Z, a-z)
- [SET] matches any of the characters in the specified set
- [!SET] or [^SET] matches any character except those specified in the set (negation).

A SET can be composed of characters or ranges. A range is in the form: 'character – character' (i.e. 0-9 or A-Z). Although this is the simplest range allowed in the [] pattern, more complex inclusive ranges such as [0-9a-zA-Z] are allowed. [0-9a-zA-Z] specifies that the character can be 0 through 9 or a through z or A through Z. Other characters are allowed (ie. 8 bit characters) if your system supports them.

In order to suppress the special syntactic significance of any of these characters '[] * ? # @ ! $^ -$ ', a backslash ('\') must precede the special character.

10.3.1.6 Saving Format

When you are done inputting fields, click the *Save* button to the new layout to the database.

10.3.2 Edit a FIX Format

This section will describe how to edit a FIX format.

Click the *Edit* button (or double left click on the format name) to open the FIX Layout window.

User Formats			
	Format Name	Object Names to be Formatted	
Fixed Width	Test01_FIX		
			Add
			/ Edit
CSV			Rename
FIX			兴 Delete
			Close

10.3.2.1 Field Delimiter

On the FIX Layout window, the user can add, edit or delete fields of the layout format.

🌾 FIX	Layout : Test01_FIX		×
	Column Name	Type for Table Sorting	
1	Data_01	String	
2	Data_02	String	📥 Add
3	Data_03	String	
			Edit
			💥 Delete
			1 Move Up
			Hove Down
			Save
			Close
			Close
Rem	ove first (header) row from data		
Field Deli	miter: SOH (x'01') 🗸 Record Separator: New Line 🗸		
Object N	ames to be Formatted:		
		😂 Update	

10.3.2.2 Remove first (header) row from data

The *Remove first (header) row from data* states if the first row of data should or should not be displayed to the end-user.

10.3.2.3 Field Delimiter

The *Field Delimiter* states how each column is separated from the next column. The default is "SOH (x'01')". The user can change it to one of the other values in the dropdown.

10.3.2.4 Record Separator

The *Record Separator* states how each row is laid out in the message data. The default is "New Line". The user can change it to one of the other values in the dropdown.

10.3.2.5 Object Names to be formatted

The *Object Names to be formatted* is a list of queues and topics that the format will be automatically applied to when the user clicks the Fixed Width Viewer in the Edit Message Window. This parameter is optional.

The *Object Names to be formatted* can be the fully qualified queue or topic name or it can be a regular expression pattern.

In the regular expression pattern:

- '*' matches any sequence of characters (zero or more)
- '?' matches any single character
- '#' matches any single numeric digit (0-9)
- '@' matches any single alphabetic character (A-Z, a-z)
- [SET] matches any of the characters in the specified set
- [!SET] or [^SET] matches any character except those specified in the set (negation).

A SET can be composed of characters or ranges. A range is in the form: 'character – character' (i.e. 0-9 or A-Z). Although this is the simplest range allowed in the [] pattern, more complex inclusive ranges such as [0-9a-zA-Z] are allowed. [0-9a-zA-Z] specifies that the character can be 0 through 9 or a through z or A through Z. Other characters are allowed (ie. 8 bit characters) if your system supports them.

In order to suppress the special syntactic significance of any of these characters '[] * ? # @ ! $^ -$ ', a backslash ('\') must precede the special character.

10.3.2.6 Saving Format

When you are done inputting fields, click the *Save* button to the new layout to the database.

10.3.3 Rename a FIX Format

This section will describe how to rename a FIX format.

First, click the *Rename* button.

	Format Name	Object Names to be Formatted	
Fixed Width	Test01_FIX		
			📌 Add
			Edit
CSV			PlPename
			- Britename
FIX			🔀 Delete
124			
			Close

Now specify a new format name then click the *OK* button.



10.3.4 Delete a FIX Format

This section will describe how to delete a FIX format.

First, click the *Delete* button.

	Format Name	Object Names to be Formatted	
Fixed Width	Test01_FIX		
			📌 Add
			Edit
CSV			R Deneme
			de Rename
			C X Delete
FIX			
			Close

Click the *Yes* button to confirm the deletion of the particular FIX format.



11 Favorites

This chapter will describe how to add a favorite or organize the user's list of favorites. Favorites is similar to Internet Explorer's favorites but rather than adding a favorite web site, the user adds a favorite queue or topic and queue manager combination.

11.1 Add Favorite

This section will describe how to add a favorite queue & queue manager combination to the user's favorite list.

If you have previously opened TEST.Q1, the main panel may look something like:



From the main panel of MQ Visual Edit, select Favorite, then Add to Favorites.

There will be no change to the main panel. The action sets the queue or topic and queue manager combination as a favorite to the user's favorite list.

11.2 Open Favorite

This section will describe how to open a favorite queue or topic and queue manager combination.

From the main window when no queues are open, MQ Visual Edit will look like:



From the main panel of MQ Visual Edit, select **Favorite**, then click the favorite to be opened (i.e. 'TEST.Q1') and the queue will be opened.



11.3 Organize Favorite

This section will describe how to organize the user's list of favorites. MQ Visual Edit's favorites are very similar to Internet Explorer's favorites. Basically, it gives the user a very quick way to return to a previously opened queue or topic and queue manager combination.

From the main window when no queues are open, MQ Visual Edit will look like:



From the main panel of MQ Visual Edit, select Favorite, then Organize Favorites.

The user can do the following actions:

- Move favorites up or down
- Delete a favorite
- Directly Open a favorite
- Save the updated favorite list when they are done.

🏶 Organize Favorites		×
Object Name	Queue Manager Access Profile	
TEST.Q2	MQWT1	
TEST1	MQWT1	
TEST.Q1	MQWT1	
SYSTEM. DEAD. LETTER. QUEUE	MQWT1	
딸 CSQ6	MQWT1	📂 Open
CAPITALWARE.TEST.QA01	MQWT1	
<pre> testTopic</pre>	MQWT1	- Delete
<pre>d test/ABC/one</pre>	MQWT1	
		T Move Up
		Close

12 MQ Stress Testing Tools

This chapter will describes how to invoke and use the MQ Stress Testing Tools included with MQ Visual Edit.

12.1 Get Server

This section will describe how to invoke and use the Get Server Stress Testing tool. The Get Server will continuously consume messages from a queue and show statistics of its current state. For the Stress Testing Servers, you can have unlimited number of them running (up to what your box can support). Also, while any of the Servers are running, the user can still use MQ Visual Edit.

From the main panel of MQ Visual Edit, select MQ Tools, then Get Server.

This is the main panel of the Get Server. The user will need to select the queue and queue manager before starting the Get Server. Click the **Select** button to choose the queue and queue manager.

File MQ Tools Tools Help Queue Name / Queue Manager Name Messanes ner Serond	Select	
Queue Name / Queue Manager Name	Select	
Messages per Second: 0		
	Start	
Total Messages Read: 0 Elapsed Time: 0	Close	

This is the standard 'Open Queue' dialog. Select the queue and queue manager then click the Open button.

💣 Open Queue		×
File Help		
= = 2 2		
Queue Managers	T Queue	
Linux 🛆 🔺	Open Queue	
Solaris 🛆	Queue Name:	
Windows 🗢	TEST.Q1 V	😼 Open
Laptop - NQVL1 MQVC1 MQVC1 remote - No Exit MQVC2 MQVC1 - Test Send Exit MQVT1 - Test Send Exit MQVT1 remote - MQCA MQVT1 remote - MQCA MQVT1 remote - MQCC1 MQVT1 remote - MQCT MQVT1 remote - NQCT MQVT1 remote - NQCT MQVT1 remote - NQCT	List Queues Mask: Mask: Mask: List List List List List List List List	
Once the queue and queue manager have been selected, the user can now start the Get Server by clicking the **Start** button.

💣 Get Server [G1] - TEST.	Q1 on MQWT1		
File MQ Tools Tools He	lp		
Queue Name / Queue Manag	ger Name		
TEST.Q1/MQWT1		Select	
Messages per Second:	0	Start	
Total Messages Read:	0	Stop	
Elapsed Time:	0	Close	

While the Get Server is running, the current statistics are displayed and updated. To stop the execution of the Get Server click the **Stop** button.

🔮 Get Server [G1] - TEST.Q1 on MQWT1	
File Tools Help	
Oueue Name / Oueue Manager Name	
TEST.Q1/MQWT1 Select	
Messages per Second: 18.67	
Total Messages Read: 64 Composition Stop	
Elapsed Time: 3	
Line Close	
2017/06/22 14:01:32.508 This is a test message.	*
2017/06/22 14:01:32.408 This is a test message.	
2017/06/22 14:01:32:308 This is a test message.	
2017/06/22 14:01:32.101 This is a test message.	=
2017/06/22 14:01:32.001 This is a test message.	
2017/06/22 14:01:31.901 This is a test message.	
2017/06/22 14:01:31.801 This is a test message.	
2017/06/22 14:01:31.701 This is a test message.	
2017/06/22 14:01:31.601 This is a test message.	
2017/06/22 14:01:31.501 Inis is a test message.	
2017/06/22 14:01:31.401 This is a test message.	
2017/06/22 14:01:31 201 This is a test message.	
2017/06/22 14:01:31.101 This is a test message.	
2017/06/22 14:01:31.001 This is a test message.	
2017/06/22 14:01:30.901 This is a test message.	
2017/06/22 14:01:30.801 This is a test message.	
2017/06/22 14:01:30.701 This is a test message.	
2017/06/22 14:01:30.601 This is a test message.	
2017/06/22 14:01:30.501 This is a test message.	
2017/06/22 14:01:30.402 This is a test message.	
2017/06/22 14:01:30.301 Inis is a test message.	-

12.2 Put Server

This section will describe how to invoke and use the Put Server Stress Testing tool. The Put Server will put messages to a queue. It can be used to stress test a 'Server Component'. The user can control the feed by putting a delay between the MQPUTs. The messages data can be from a simple input text or from a plain text file or from a Backup file (this file can contain many messages with MQMDs). A Backup file can be either a SQLite Database (*.mqsdb) or a VEQ formatted file (*.veq).

For the Stress Testing Servers, you can have unlimited number of them running (up to what your box can support). Also, while any of the Servers are running, the user can still use MQ Visual Edit.

From the main panel of MQ Visual Edit, select MQ Tools, then Put Server.

This is the main panel of the Put Server. The user will need to select the queue and queue manager before starting the Put Server. Click the Select button to choose the queue and queue manager.

🕹 ^o Put Server [P1] —	· □ ×
File MQ Tools Tools Help	
Queue Name / Queue Manager Name	
	🕑 Select
0 Delay between Puts (ms) 1 Number of threads 100 Number of messages to be written per thread (blank means unlimited)	
Data Source	
) Load message data from a text file	E Browse
O Load message data from a MQVE Backup file	
	E Browse
Load message with screen data	
Messages per Second: 0 Total Messages Written: 0 Elapsed Time: 0	Start Stop

This is the standard 'Open Queue' dialog. Select the queue and queue manager then click the Open button.

💣 Open Queue		
File Help		
🗧 🕹 🧭 📀		
(C) Queue Managers	🖬 Queue	
Linux 🛆 🔺	Open Queue	
Solaris 🛆	Queue Name:	
Windows	TEST.Q1	V 🕑 Open
MQWC1 remote - No Exit MQWC2	List Queues Mask: *	
MQWT1 - Test Send Exit MQWT1 - Test Send Exit MQWT1 remote - MQCA MQWT1 remote - MQCA MQWT1 remote - MQCE MQWT1 remote - MQCT MQWT1 remote - No Exit	Show System Queues Show Temporary Queues Queue Type: All	

Once the queue and queue manager have been selected, the user can provide more information:

- The user can select a delay between MQPUTs.
- The number of threads putting messages to the queue.
- The user can select the number of messages to be written. Note: A blank in this field means an UNLIMITED number of MQPUTs will be done (it will run forever).
- The user is required to select a Data Source. The message text can come from 1 of 3 sources:
 - 1. The user can input simple text in the text box on the Put Server panel. The MQMD header will default to whatever the queue defaults attributes are.
 - 2. The user can select a text file to be used as the message text. The MQMD header will default to whatever the queue defaults attributes are.
 - 3. The user can select a Backup file. A Backup file can have multiple messages (including MQMD header) in it. Therefore, each message (with the associated MQMD header) in the Backup file will be written as separate messages to the queue. Note: If max messages is set to 100 and there are 8 messages in the Backup file then a total of 800 messages will be written to the output queue.

The Put Server supports token processing for both the text box and the text file options. Note: It does not support token processing for an MQVE Backup file.

Supported tokens:

- \${Date} replace the token with the current date.
- \${DateTime} replace the token with the current date and time.
- \${FileName} replace the token with the filename of the text file (not applicable for text box processing)
- \${Hostname} replace the token with the hostname of the computer that MQ Visual Edit is running on
- \${LoopCounter} replace the token with the current loop counter
- \${QMgrName} replace the token with the queue manager name
- \${QueueName} replace the token with the queue name
- \${Thread} replace the token with the thread number
- \${Time} replace the token with the current time.
- \${UserId} replace the token with the end-user's UserId.

After filling in the required information, the user can start the Put Server by clicking the Start button.

👌 Put Server [P1] - TEST.Q1 on MQSLES12_X8 🚽	
File MQ Tools Tools Help	
Queue Name / Queue Manager Name TEST.Q1 / MQSLES12_X86_64	📙 Select
Delay between Puts (ms) Number of threads Number of messages to be written per thread (blank means unlimited)	
Data Source	
O Load message data from a text file	🗄 Browse
Load message data from a MQVE Backup file	
	E Browse
O Load message with screen data	
Messages per Second: 0 Total Messages Written: 0 Elapsed Time: 0	Start Stop

While the Put Server is running, the current statistics are displayed and updated. To stop the execution of the Put Server click the **Stop** button.

🗬 Put Server [P1] - TEST.Q1 on MQSLES12_X8 🚽 🛛 🗆	×
File MQ Tools Tools Help	
Queue Name / Queue Manager Name	
TEST.Q1/MQSLES12_X86_64 Select	
100 Delay between Puts (ms)	
1 Number of threads	
100 Number of messages to be written per thread (blank means unlimited)	
Data Source	
O Load message data from a text file	
E- Browse	۰.
○ Load message data from a MQVE Backup file	
E- Browse	
O Load message with screen data	
This is test message # \${LoopCounter}	
Messages per Second: 10.00 Total Messages Written: 12 Elapsed Time: 1	

12.3 SIM Client

This section will describe how to invoke and use the SIM Client Stress Testing tool. The SIM Client will continuously send 'request' messages and wait for a reply messages. The request message's data can be from a simple input text or from a plain text file or from a Backup file (this file can contain many messages with MQMDs). A Backup file can be either a SQLite Database (*.mqsdb) or a VEQ formatted file (*.veq).

For the Stress Testing Servers, you can have unlimited number of them running (up to what your box can support). Also, the SIM Client get perform the MQGET by CorrelId for a shared queue. The outgoing message will have the Reply-To-Queue and Reply-To-QMgr fields filled in. The SIM Client will retrieve the reply message from that particular queue. Also, the incoming message's MsgID field of the MQMD header is copied to the outgoing message's CorrelID field of the MQMD header.

From the main panel of MQ Visual Edit, select MQ Tools, then SIM Client.

This is the main panel of the SIM Client. The user will need to select the queue and queue manager before starting the SIM Client. Click the **Select** button to choose the queue and queue manager.

SIM Client [SC1] - TEST.Q1 on MQSLES12_X86			×
File MQ Tools Tools Help			
Queue Name / Queue Manager Name	_		
TEST.Q1/MQSLES12_X86_64		🚽 Select	
0 Delay between Puts (ms)			
1 Number of threads			
100 Number of messages to be written per thread (blank means unlimited)			
Reply Queue Options			
Use Temporary Dynamic Queue for Reply			
Reply-To Queue / Queue Manager Name			
		y Se	elect
Get Reply Message by CorrelId			
Data Source Load message data from a text file Load message data from a MQVE Backup file Load message with screen data	10 M	Browse	
Total Messages Read: 0 Total Messages Written: 0 Elapsed Time: 0		Stop	t 2

This is the standard 'Open Queue' dialog. Select the queue and queue manager then click the Open button.

🗳 Open Queue		×
File Help		
🗧 🞝 😂 📀		
(Queue Managers	12 Queue	
Linux 🛆 🔥	Open Oueue	
Solaris 🛆	Queue Name:	
Windows 🤝	TEST.Q1 V 🕑 Op	en)
A Laptop - MQWL1 MQWC1 MQWC1 remote - No Exit MQWC1 MQWT1 - Test Send Exit MQWT1 remote MQWT1 remote - MQC1 MQWT1 remote - MQCT MQWT1 remote - No Exit MQWT1 remote - No Exit	List Queues Mask: Show System Queues Show Temporary Queues Queue Type: All List	

Once the queue and queue manager have been selected, the user can provide more information:

- The user can select a delay between MQPUTs.
- The number of threads putting messages to the queue.
- The user can select the number of messages to be written. Note: A blank in this field means an UNLIMITED number of MQPUTs will be done (it will run forever).
- The user can use a Temporary Dynamic Queue or a Permanent Queue for reply messages. If the user selects a Permanent Queue then they have the option of selecting the 'Get Reply Message by CorrelId'. This means that the SIM Client will only retrieve reply messages that match the particular CorrelId.
- The user is required to select a Data Source. The message text can come from 1 of 3 sources:
 - The user can input simple text in the text box on the SIM Client panel. The MQMD header will default to whatever the queue defaults attributes are.
 - The user can select a text file to be used as the message text. The MQMD header will default to whatever the queue defaults attributes are.
 - The user can select a Backup file. A Backup file can have multiple messages (including MQMD header) in it. Therefore, each message (with the associated MQMD header) in the Backup file will be written as separate messages to the output queue. Note: If there are 8 messages in the Backup file then a total of 8 messages will be written to the output queue for each incoming message.

The SIM Client supports token processing for both the text box and the text file options. Note: It does not support token processing for an MQVE Backup file.

Supported tokens:

- \${Date} replace the token with the current date.
- \${DateTime} replace the token with the current date and time.
- \${FileName} replace the token with the filename of the text file (not applicable for text box processing)
- \${Hostname} replace the token with the hostname of the computer that MQ Visual Edit is running on
- \${LoopCounter} replace the token with the current loop counter
- \${QMgrName} replace the token with the queue manager name
- \${QueueName} replace the token with the queue name
- \${Thread} replace the token with the thread number
- \${Time} replace the token with the current time.
- \${UserId} replace the token with the end-user's UserId.

After filling in the required information, the user can start the SIM Client by clicking the **Start** button.

File MQ Tools Tools Help
Queue Name / Queue Manager Name
TEST.Q1 / MQSLES12_X86_64
0 Delay between Puts (ms)
1 Number of threads
100 Number of messages to be written per thread (blank means unlimited)
Reply Queue Options
Use Temporary Dynamic Queue for Reply
Keply-10 Queue / Queue Manager Manne
Get Reply Message by Correltd
Data Source
O Load message data from a MOVE Backup file
This is that measure t Slloon(Counterl
inis is test message # \${hoopcounter}
THIS IS CERT MESSAGE # \$(100pCounter)
THIS IS CERC MESSAGE # \$(LOOPCOUNCET)
THIS IS CERC MESSAGE # \$(LOOpCounter)
This is test message + (Loopcounter)
THIS IS LESS MESSAGE # (LDOpCOUNCE)
THIS IS LESS MESSAGE & CLOOPCOUNCET?
This is test message + (Loopcounter)
Total Messages Read:
Total Messages Written:
Total Messages Read: 0 Total Messages Written: 0 Elapsed Time: 0

While the SIM Client is running, the current statistics are displayed and updated. To stop the execution of the SIM Client click the **Stop** button.

12.4 SIM Server

This section will describe how to invoke and use the SIM Server Stress Testing tool. The SIM Server will continuously consume messages and for each incoming messages, send a reply message(s). The reply message's data can be from a simple input text or from a plain text file or from a Backup file (this file can contain many messages with MQMDs). A Backup file can be either a SQLite Database (*.mqsdb) or a VEQ formatted file (*.veq).

The incoming message MUST have the Reply-To-Queue and Reply-To-QMgr fields filled in. The SIM Server will use these fields to sent a reply message to. Also, the incoming message's MsgID field of the MQMD header is copied to the outgoing message's CorrelID field of the MQMD header.

For the Stress Testing Servers, you can have unlimited number of them running (up to what your box can support). Also, while any of the Servers are running, the user can still use MQ Visual Edit.

From the main panel of MQ Visual Edit, select MQ Tools, then SIM Server.

This is the main panel of the SIM Server. The user will need to select the queue and queue manager before starting the SIM Server. Click the **Select** button to choose the queue and queue manager.

省 SIM Server [S1]					×
File MQ Tools Tools He	elp				
Queue Name / Queue Mana	ager Name		_		
			ľ	Select	
Options			-	_	
Reply to Messages	with a message type of Dat	agram.			
1 Number of th	reads				
Data Source					
O Load message data	from a text file				
				Browse	
O Load message data	from a MQVE Backup file				
				Browse	
Load message with s	creen data				
				-	
Total Messages Read:	0		(Start	:
Total Messages Written:	0		- (Stop	
Elapsed Time:	0		(Close	•

This is the standard 'Open Queue' dialog. Select the queue and queue manager then click the Open button.

💣 Open Queue		
File Help		
🗧 🕹 🧭 📀		
(C) Queue Managers	🖬 Queue	
Linux 🛆 🔺	Open Queue	
Solaris 🛆	Queue Name:	
Windows	TEST.Q1	V 🕑 Open
MQWC1 remote - No Exit MQWC2	List Queues Mask: *	
MQWT1 - Test Send Exit MQWT1 - Test Send Exit MQWT1 remote - MQCA MQWT1 remote - MQCA MQWT1 remote - MQCE MQWT1 remote - MQCT MQWT1 remote - No Exit	Show System Queues Show Temporary Queues Queue Type: All	

Once the queue and queue manager have been selected, the user can provide more information:

- The user can choose to ignore 'Datagram' type messages or reply to them. (Note: The incoming message's Reply-To-Queue and Reply-To-QMgr fields of the MQMD header must be filled in.)
- The number of threads putting messages to the queue.
- The user is required to select a Data Source. The message text can come from 1 of 3 sources:
 - The user can input simple text in the text box on the SIM Server panel. The MQMD header will default to whatever the queue defaults attributes are.
 - The user can select a text file to be used as the message text. The MQMD header will default to whatever the queue defaults attributes are.
 - The user can select a Backup file. A Backup file can have multiple messages (including MQMD header) in it. Therefore, each message (with the associated MQMD header) in the Backup file will be written as separate messages to the output queue. Note: If there are 8 messages in the Backup file then a total of 8 messages will be written to the output queue for each incoming message.

The SIM Server supports token processing for both the text box and the text file options. Note: It does not support token processing for an MQVE Backup file.

Supported tokens:

- \${Date} replace the token with the current date.
- \${DateTime} replace the token with the current date and time.
- \${FileName} replace the token with the filename of the text file (not applicable for text box processing)
- \${Hostname} replace the token with the hostname of the computer that MQ Visual Edit is running on
- \${LoopCounter} replace the token with the current loop counter
- \${QMgrName} replace the token with the queue manager name
- \${QueueName} replace the token with the queue name
- \${Thread} replace the token with the thread number
- \${Time} replace the token with the current time.
- \${UserId} replace the token with the end-user's UserId.

After filling in the required information, the user can start the SIM Server by clicking the **Start** button.

😵 SIM Server [S1] - TEST.Q1 on MQSLES12_X8 🗕 🗆 🗙
File MQ Tools Tools Help
Queue Name / Queue Manager Name TEST.Q1 / MQSLES12_X86_64 Options Reply to Messages with a message type of Datagram. Number of threads
Data Source
O Load message data from a text file
O Load message data from a MQVE Backup file
Load message with screen data
This is test message # \${LoopCounter}
Total Messages Read: 0 Total Messages Written: 0 Elapsed Time: 0

While the SIM Server is running, the current statistics are displayed and updated. To stop the execution of the SIM Server click the **Stop** button.

12.5 Subscribe Server

This section will describe how to invoke and use the Subscribe Server Stress Testing tool. The Subscribe Server will continuously consume messages of a topic and show statistics of its current state.

For the Stress Testing Servers, you can have unlimited number of them running (up to what your box can support). Also, while any of the Servers are running, the user can still use MQ Visual Edit.

From the main panel of MQ Visual Edit, select MQ Tools, then Subscribe Server.

This is the main panel of the Subscribe Server. The user will need to select the topic and queue manager before starting the Subscribe Server. Click the **Select** button to choose the topic and queue manager.

ile Tools Help		
Fopic Name / Queue Manager	Name	
		Select
Messages per Second:	0	Start
Total Messages Read:	0	Stop
Elapsed Time:	0	Close

This is the standard 'Open Topic' dialog. Select the topic and queue manager then click the Open button.



Once the topic and queue manager have been selected, the user can now start the Subscribe Server by clicking the **Start** button.

Subscribe Server [S1]	test/ABC/one on MQW1	
File Tools Help		
Topic Name / Queue Manag	er Name	
test/ABC/one / MQWT1		Select
Messages per Second:	0	Start
Total Messages Read:	0	Stop
Elapsed Time:	0	Close

While the Subscribe Server is running, the current statistics are displayed and updated. To stop the execution of the Subscribe Server click the **Stop** button.

Nubscribe Server [S2] - test/ABC/o	one on MQWT1	
File Tools Help		
Topic Name / Queue Manager Name		
test/ABC/one / MQWT1	Select	
Messages per Second: 0.51	Start	
Total Messages Read: 27	Stop	
Elapsed Time: 51	Close	
2017/04/01 16:39:50.197 {33 2017/04/01 16:39:49.028 {33 2017/04/01 16:39:49.028 {33 2017/04/01 16:39:43.965 {33 2017/04/01 16:39:42.861 {33 2017/04/01 16:39:40.110 {33 2017/04/01 16:39:36.228 {33 2017/04/01 16:39:36.773 {33 2017/04/01 16:39:34.128 {33	0} Your lucky number today is 2717 0} Your lucky number today is 9813 0} Your lucky number today is 4706 0} Your lucky number today is 6298 0} Your lucky number today is 9181 0} Your lucky number today is 5190 0} Your lucky number today is 524 0} Your lucky number today is 5443 0} Your lucky number today is 5445	•
2017/04/01 16:39:32.638 [33 2017/04/01 16:39:29.662 [33 2017/04/01 16:39:28.654 [33 2017/04/01 16:39:26.166 [33 2017/04/01 16:39:24.281 [33 2017/04/01 16:39:21.446 [33 2017/04/01 16:39:20.046 [33	0} Your lucky number today is 8989 0} Your lucky number today is 916 0} Your lucky number today is 463 0} Your lucky number today is 2719 0} Your lucky number today is 1216 0} Your lucky number today is 2956 0} Your lucky number today is 2720	E
2017/04/01 16:39:17-923 {33 2017/04/01 16:39:16.736 {33 2017/04/01 16:39:12.747 {33 2017/04/01 16:39:12.262 {33 2017/04/01 16:39:09.918 {33 2017/04/01 16:39:07.541 {33 2017/04/01 16:39:06.317 {33	0) Your lucky number today is 9739 0) Your lucky number today is 9539 0) Your lucky number today is 7572 0) Your lucky number today is 4735 0) Your lucky number today is 4810 0) Your lucky number today is 9265 0) Your lucky number today is 2542	

12.6 Publish Server

This section will describe how to invoke and use the Publish Server Stress Testing tool. The Publish Server will publish (put) messages to a topic. It can be used to stress test a 'Server Component'. The user can control the feed by putting a delay between the MQPUTs. The messages data can be from a simple input text or from a plain text file or from a Backup file (this file can contain many messages with MQMDs). A Backup file can be either a SQLite Database (*.mqsdb) or a VEQ formatted file (*.veq).

For the Stress Testing Servers, you can have unlimited number of them running (up to what your box can support). Also, while any of the Servers are running, the user can still use MQ Visual Edit.

From the main panel of MQ Visual Edit, select **MQ Tools**, then **Publish Server**.

This is the main panel of the Publish Server. The user will need to select the topic and queue manager before starting the Publish Server. Click the Select button to choose the topic and queue manager.

峰 Publi	sh Server [PB1]			×
File MQ	Tools Tools Help			
Topic Nam	e : Topic String - Queue Manager Name			
		\bigcirc	🚯 Select	
0	Delav between Puts (ms)			
1	Number of threads			
100	Number of messages to be written per thread (blank means unlimited)			
Data So	ource			
	d message data from a text file			
			E Browse	
	d message data from a MQVE Backup file			
			E Browse	
Loa	d message with screen data			
Messages Total Mes Elapsed Ti	per Second: 0 sages Written: 0 me: 0		Star	t e

This is the standard 'Open Topic' dialog. Select the topic and queue manager then click the Open button.

Ng Open Topic	
File Help	
Queue Managers	Topic
Linux 🛆	Open Topic
Solaris 🛆	Topic String:
Windows 🗢	test/ABC/one Open
Laptop - MQWL1 MQWC1 MQWC2 MQWC2 MQWT1 - Test Send Exit MQWT1 remote MQWT1 remote MQWT1 remote MQWT1 remote	Topic Name:
MQWT1 remote - MQCT MQWT1 remote - No Exit MQWT1 remote - SetUserId	E Snow System Topics

Once the topic and queue manager have been selected, the user can provide more information:

- The user can select a delay between puts.
- The number of threads putting messages to the queue.
- The user can select the number of messages to be written. Note: A blank in this field means an UNLIMITED number of puts will be done (it will run forever).
- The user is required to select a Data Source. The message text can come from 1 of 3 sources:
 - 1. The user can input simple text in the text box on the Publish Server panel. The Message Properties will default to whatever the topic defaults attributes are.
 - 2. The user can select a text file to be used as the message text. The Message Properties header will default to whatever the topic defaults attributes are.
 - 3. The user can select a Backup File. A Backup file can have multiple messages (including Message Properties) in it. Therefore, each message (with the associated Message Properties) in the Backup file will be written as separate messages to the topic. Note: If max messages is set to 100 and there are 8 messages in the Backup file then a total of 800 messages will be written to the topic.

The Publish Server supports token processing for both the text box and the text file options. Note: It does not support token processing for an MQVE Backup file.

Supported tokens:

- \${Date} replace the token with the current date.
- \${DateTime} replace the token with the current date and time.
- \${FileName} replace the token with the filename of the text file (not applicable for text box processing)
- \${Hostname} replace the token with the hostname of the computer that MQ Visual Edit is running on
- \${LoopCounter} replace the token with the current loop counter
- \${QMgrName} replace the token with the queue manager name
- \${Thread} replace the token with the thread number
- \${Time} replace the token with the current time.
- \${TopicName} replace the token with the selected Topic Name.
- \${TopicString} replace the token with the selected Topic String.
- \${UserId} replace the token with the end-user's UserId.

After filling in the required information, the user can start the Publish Server by clicking the Start button.

°∯ Publish Server [PB1] - test on MQSLES12_X 🚽 🔲 🗙
File MQ Tools Tools Help
Topic Name : Topic String - Queue Manager Name (: test - MQSLES12_X86_64
0 Delay between Puts (ms) 1 Number of threads 100 Number of messages to be written per thread (blank means unlimited)
Data Source
O Load message data from a text file
O Load message data from a MQVE Backup file
Load message with screen data
This is test message # \${LoopCounter}
Messages per Second: 0 Start Total Messages Written: 0 Elapsed Time: 0 Close

While the Publish Server is running, the current statistics are displayed and updated. To stop the execution of the Publish Server click the **Stop** button.

Գ Publish Server [PB1] - test on MQSLES12_X — □ ×
File MQ Tools Tools Help
Topic Name : Topic String - Queue Manager Name
: test - MQSLES12_X86_64
100 Delay between Puts (ms)
1 Number of threads
100 Number of messages to be written per thread (blank means unlimited)
Data Source
 Load message data from a text file
E Browse
O Load message data from a MQVE Backup file
The Browse
Load message with screen data
This is test message # \${LoopCounter}
Messages per Second: 9.50 Total Messages Written: 20 Elapsed Time: 2 Close

13 MQ Analyzing Tools

This chapter will describes how to invoke and use the MQ Analyzing Tools included with MQ Visual Edit.

13.1 Ping Queue Manager

This section will describe how to invoke and use the Ping Queue Manager tool. The Ping Queue Manager will test connectivity, opening, closing of a queue and putting *AND* getting a series of messages to/from a queue of a queue manager.

Features:

- User selectable non-persistent message size
- The user can select and/or de-select the various tests that it will run.
- The time of each test series will be displayed in nanoseconds.

Note: The elapsed time shown for message time series is the total time taken to put then get the message from the queue.

For the MQ Tools, you can have unlimited number of them running (up to what your box can support). Also, while any of the MQ Tools are running, the user can still use MQ Visual Edit.

From the main panel of MQ Visual Edit, select MQ Tools, then Ping Queue Manager.

💋 Ping Queue Manager [PQM1]	—		×
File MQ Tools Tools Help			
Queue Name / Queue Manager Name			
		🔁 Selec	t
100 Non-persistent message size			
Elapsed time in seconds			
Connection Time:			
✓ Open Queue Time:			
Elapsed time for 1 message:			
Elapsed time for 10 messages:			
Elapsed time for 100 messages:		Start	t
Elapsed time for 1000 messages:		Stop)
Elapsed time for 10000 messages:		Close	2
Elapsed time for 100000 messages:			
Close Queue Time:			
Disconnection Time:			
Messages Received:			

This is the main panel of the Ping Queue Manager. Click the **Select** button to choose the queue manager and options.

🝯 Open Queue		
File Help		
2 2 2		
(Queue Managers	L Queue	
Linux	COpen Queue	
Solaris	Oueue Name:	
Windows	AMQ.MQVE.PING.*	
MQWL1		
MQWC1		
MQWC1 remote - No Exit		
MQWC2		
MQWT1		
MOWT1 - Test Send Evit		

Select the queue manager then click the *Open* button.

Next, select the non-persistent message size and the tests the end-user wants completed. To begin the testing of the queue manager, click the *Start* button on the *Ping Queue Manager* window.

🍯 Ping Queue Manager [PQM1] - AMQ.MQVE.PING.* on M	- 0	×
File MQ Tools Tools Help		
Queue Name / Queue Manager Name		
AMQ.MQVE.PING.*/MQWT1	P	Select
100 Non-persistent message size		
Elapsed time in seconds		
Connection Time:		
Open Queue Time:		
Elapsed time for 1 message:		
Elapsed time for 10 messages:		
Elapsed time for 100 messages:) Start
Elapsed time for 1000 messages:		Stop
Elapsed time for 10000 messages:		Close
Elapsed time for 100000 messages:		
✓ Close Queue Time:		
Disconnection Time:		
Messages Received:		

As the tests are proceeding, the *Ping Queue Manager* window will be updated will the test results.

🍯 Ping Queue Manager [PQM1] - Al	MQ.MQVE.PING.* on M	
File MQ Tools Tools Help		
Queue Name / Queue Manager Name		
AMQ.MQVE.PING.*/MQWT1		🔁 Select
100 Non-persistent message si		
Elapsed time in seconds		
Connection Time:	0.0853778	
🗹 Open Queue Time:	0.0030783	
Elapsed time for 1 message:	0.0108456	
Elapsed time for 10 messages:	0.0048346	
Elapsed time for 100 messages: 0.0386127		i Start
Elapsed time for 1000 messages:		Stop
Elapsed time for 10000 messages:		🐼 Close
Elapsed time for 100000 messages:		
Close Queue Time:	0.0001626	
Disconnection Time:	0.0021936	
Messages Received:	111	

Note: As you probably have read, a connection (i.e. MQCONN/MQCONNX) to a queue manager is a vary time consuming MQ API call.

14 MQ Monitoring Tools

This chapter will describes how to invoke and use the MQ Monitoring Tools included with MQ Visual Edit.

14.1 Queue Monitor

This section will describe how to invoke and use the Queue Monitor tool. The Queue Monitor will continuously monitor the queues of a queue manager displaying the Queue Name, Current Queue Depth, Max Queue Depth, Open Input Count, Open Output Count, Get Enabled / Inhibited and Put Enabled / Inhibited.

Features:

- User selectable refresh rate i.e. 60 or 30 or 10 seconds
- The user can de-select the displaying of the SYSTEM queues (i.e. SYSTEM.*)
- The displayed queue attributes are: Queue Name, Current Depth, Max Queue Depth, Open Input Count, Open Output Count, Get and Put.
- The user can have multi windows open at the same time monitoring different queues of the same queue manager or monitoring of different queues of different queue managers at the same time.

Quick visual helpers:

- If the current queue depth is between 70% to 84.99% (of max queue depth) then it is highlighted in 'yellow'.
- If the current queue depth is 85% or higher (of max queue depth) then it is highlighted in 'red'.
- If either the Get or Put attributes are set to Inhibited then they are highlighted in 'yellow'.

Whatever you select for the **Refresh Rate** will be the interval that the Depth, Input & Output fields are measured by.

- The **Depth** is the current number of messages in the queue including both committed and uncommitted messages.
- The **Input** is the IPPROCS value for the queue. IPPROCS is the number of processes that have a queue open for input.
- The **Output** is the OPPROCS value for the queue. OPPROCS is the number of processes that have a queue open for output.

Example: If the refresh rate is 60 seconds (interval) and during the interval the Depth was 15, hence, 15 messages were in the queue during the last 60 seconds.

For the MQ Tools, you can have unlimited number of them running (up to what your box can support). Also, while any of the MQ Tools are running, the user can still use MQ Visual Edit.

From the main panel of MQ Visual Edit, select **MQ Tools**, then **Queue Monitor**.

This is the main panel of the Queue Monitor. Click the **Start** button to choose the queue manager and options.



This is the 'Queues To Monitor' panel, where the user selects the queue manager, refresh rate, system queues option and queue mask to be used during the monitoring of the queues.

- First, the user must select a queue manager which contents the queues to be monitored.
- If the queue mask is set to "*" then the user can select or de-select the system queues from being displayed.

The user can also combine mask filters together. Use a semi-colon (;) to separate each mask. i.e.

ABC.*;XYZ.*;TEST.*

Hence, only queues that begin with 'ABC.', 'XYZ.' and/or 'TEST.' will be shown.

• The monitoring data can be written to a CSV (Comma Separated Value) file. On subsequent invocations, the user can select to append the data to the file or write the data to a new file.

Location of the Queue Monitor CSV files:

- On Windows: C:\Users\{UserId}\Capitalware\MQVE\QM\{QMgrName}\\
- On Linux or Mac OS X: {home}/Capitalware/MQVE/QM/{QMgrName}/
- The user can set the rate in seconds at which the display will be refreshed.
- The user can select all queues ("*") of a queue manager to be monitored or select a partial list ("TEST*") of the queues to be monitored.

While the Queue Monitor is running, the current real-time values are displayed and updated. To stop the execution of the Queue Monitor click the **Stop** button.

Whatever you select for the **Refresh Rate** will be the interval that the Depth, Input & Output fields are measured by.

- The **Depth** is the current number of messages in the queue including both committed and uncommitted messages.
- The **Input** is the IPPROCS value for the queue. IPPROCS is the number of processes that have a queue open for input.
- The **Output** is the OPPROCS value for the queue. OPPROCS is the number of processes that have a queue open for output.

Example: If the refresh rate is 60 seconds (interval) and during the interval the Depth was 15, hence, 15 messages were in the queue during the last 60 seconds.

🔮 Queue Monitor [QM1] : MQWT1							8
File Tools Help							
Start Stop 🔀 Last Refreshe	d: 18:05:49						
Queue Name	Depth	Input	Output	Get	Put	Max Depth	
TEST. JMS. FORCE. MQRFH2	0	0	0	V	V	5000	-
TEST.MQFM.TRIG	0	0	0	V	V	5000	
TEST.NAMING_ABC/XYZ%123	0	0	0	V	V	5000	
TEST.Q1	3	0	0	V	V	50000	
TEST.Q1.BK	15	0	0	V	V	5000	
TEST.Q10	0	0	0	V	V	5000	
TEST.Q11	0	0	0	V	V	5000	
TEST.Q12	0	0	0	V	V	5000	
TEST.Q13	0	0	0	V	V	5000	
TEST.Q14	0	0	0	V	V	5000	
TEST.Q15	0	0	0	V	V	5000	
TEST.Q16	0	0	0	V	V	5000	
TEST.Q17	0	0	0	V	V	5000	
TEST.Q18	0	0	0	V	V	5000	1
TEST.Q19	0	0	0	V	1	5000	
TEST.Q2	2	0	0	V		5000	
TEST.Q20	0	0	0	V	V	5000	
TEST.Q21	0	0	0	V	V	5000	
TEST.Q22	0	0	0	V	V	5000	
TEST.Q23	0	0	0	V	V	5000	
TEST.Q24	0	0	0	V	V	5000	
TEST.Q25	0	0	0			5000	
EST.Q3	800	0	0	V		1000	
TEST.Q4	0	0	0	V	V	5000	
TEST.Q5	0	0	0	V	V	5000	
TEST.Q6	0	0	0	V	V	5000	_
TEST.Q7	0	0	0	V	V	5000	-
TEST.Q8	0	0	0	V		5000	
TEST.Q9	4700	0	0	V	V	5000	
TEST.TRIG.Q1	0	0	0	V	V	5000	
TEST01.Q1.A	0	0	0	V	V	5000	
TEST01.Q1.B	0	0	0	V	V	5000	
TEST1	0	0	0	V	V	5000	
WHAT.Q1	0	0	0	V	V	5000	
WHAT.Q2	0	0	0	V	V	5000	
WHAT.Q3	0	0	0	V	V	5000	
WMQA.XMIT	0	0	0	V	V	5000	-

Quick visual helpers:

- If the current queue depth is between 70% to 84.99% (of max queue depth) then it is highlighted in 'yellow'.
- If the current queue depth is 85% or higher (of max queue depth) then it is highlighted in 'red'.
- If either the Get or Put attributes are set to Inhibited then they are highlighted in 'yellow'.

Visualizing the Data

The user can use the "TEST.Q1.csv" file with a spreadsheet program and create a Line Chart. The following sample Line Chart is using just the first 2 columns of the CSV file.



14.2 Queue Statistics Monitor

This section will describe how to invoke and use the Queue Statistics Monitor tool. The Queue Statistics Monitor will continuously monitor the queues of a queue manager displaying the Queue Name, Put Rate (enqueue rate), Get Rate (dequeue rate), High Queue Depth and Max Queue Depth.

Features:

- User selectable refresh rate i.e. 60 or 30 or 10 seconds
- The user can de-select the displaying of the SYSTEM queues (i.e. SYSTEM.*)
- The displayed queue attributes are: Queue Name, Put Rate (Enqueue rate), Get Rate (Dequeue rate), High Queue Depth during the interval, and Max Queue Depth.
- The user can have multi windows open at the same time monitoring different queues of the same queue manager or monitoring of different queues of different queue managers at the same time.

Quick visual helpers:

- If the 'High Queue Depth' is between 70% to 84.99% (of max queue depth) then it is highlighted in 'yellow'.
- If the 'High Queue Depth' is 85% or higher (of max queue depth) then it is highlighted in 'red'.

Whatever you select for the **Refresh Rate** will be the interval that the Put & Get rates are measured by.

- The **Put Rate** is the number of MQPUTs in the given interval.
- The **Get Rate** is the number of MQGETs in the given interval.

Example: If the refresh rate is 60 seconds (interval) and during the interval the Put Rate was 15, hence, 15 messages were put to the queue in the last 60 seconds.

For z/OS queue managers, you MUST enable Queue Manager Performance Events (PERFMEV) to use the Queue Statistics Monitor tool against a z/OS queue manager.

For the MQ Tools, you can have unlimited number of them running (up to what your box can support). Also, while any of the MQ Tools are running, the user can still use MQ Visual Edit.

From the main panel of MQ Visual Edit, select MQ Tools, then Queue Statistics Monitor.

2 Queue Statistics Monitor [QSM:	1]	
<u>File T</u> ools <u>H</u> elp		
Start Stop	Last Refreshed:::	
	ANT JA	

This is the main panel of the Queue Stats Monitor. Click the **Start** button to choose the queue manager and options.

This is the 'Queues To Monitor' panel, where the user selects the queue manager, refresh rate, system queues option and queue mask to be used during the monitoring of the queues.

🛃 Queues To Monitor	
File Help	
Queue Managers Queues To Monitor	
Linux Oueues To Monitor	
Solaris	
Windows Queue Type: Lipstop - MQWL1 Queue Type: MQWC1 remote - No Exit Queue Type: MQWC1 Coptions MQWT1 remote - MQCA Show System Queues MQWT1 remote - MQCA Show System Queues MQWT1 remote - MQCA Go Refresh Rate in Seconds	

- First, the user must select a queue manager which contents the queues to be monitored.
- If the queue mask is set to "*" then the user can select or de-select the system queues from being displayed.

The user can also combine mask filters together. Use a semi-colon (;) to separate each mask. i.e.

ABC.*;XYZ.*;TEST.*

Hence, only queues that begin with 'ABC.', 'XYZ.' and/or 'TEST.' will be shown.

• The monitoring data can be written to a CSV (Comma Separated Value) file. On subsequent invocations, the user can select to append the data to the file or write the data to a new file.

Location of the Queue Statistics Monitor CSV files:

- On Windows: C:\Users\{UserId}\Capitalware\MQVE\QSM\{QMgrName}\
- On Linux or Mac OS X: {home}/Capitalware/MQVE/QSM/{QMgrName}/
- The user can set the rate in seconds at which the display will be refreshed.
- The user can select all queues ("*") of a queue manager to be monitored or select a partial list ("TEST*") of the queues to be monitored.

While the Queue Statistics Monitor is running, the current real-time values are displayed and updated. To stop the execution of the Queue Stats Monitor click the Stop button.

Whatever you select for the **Refresh Rate** will be the interval that the Put & Get rates are measured by.

- The Put Rate is the number of MQPUTs in the given interval.
- The Get Rate is the number of MQGETs in the given interval.

Example: If the refresh rate is 60 seconds (interval) and during the interval the Put Rate was 15, hence, 15 messages were put to the queue in the last 60 seconds.

🔓 Queue Statistics Monitor [QSM1] : MQWT1							
File Tools Help							
Start Stop Last Refreshed: 16:52:32							
Queue Name	Put Rate	Get Rate	High Depth	Max Depth			
TEST. BAD	0	0	3	5000			
TEST. GOOD	0	0	0	5000			
TEST. JMS. FORCE. MQRFH2	0	0	0	5000			
TEST.MQFM.TRIG	0	0	0	5000			
TEST. NAMING_ABC/XYZ%123	0	0	0	5000			
TEST.Q1	0	0	16	50000			
TEST.Q1.BK	0	0	15	5000			
TEST.Q10	0	0	8	5000			
TEST.Q11	0	0	0	5000			
TEST.Q12	0	0	0	5000			
TEST.Q13	0	0	0	5000			
TEST.Q14	0	0	0	5000			
TEST.Q15	0	0	0	5000			
TEST.Q16	0	0	0	5000			
TEST.Q17	0	0	6	5000			
TEST.Q18	0	0	0	5000			
TEST.Q19	0	0	0	5000			
TEST.Q2	0	0	3	5000			
TEST.Q20	0	0	0	5000			
TEST.Q21	0	0	0	5000			
TEST.Q22	0	0	0	5000			
TEST.Q23	0	0	0	5000			
TEST.Q24	0	0	0	5000			
TEST.Q25	0	0	0	5000			
TEST.Q3	0	0	800	1000			
TEST.Q4	0	0	0	5000			
TEST.Q5	0	0	0	5000			
TEST.Q6	0	0	0	5000			
TEST.Q7	0	0	0	5000			
TEST.Q8	0	0	0	5000			
TEST.Q9	0	0	4700	5000			
TEST.TRIG.Q1	0	0	0	5000			
TEST01.Q1.A	0	0	0	5000			
TEST01.Q1.B	0	0	0	5000			
TEST1	0	0	1	5000			

Quick visual helpers:

- If the 'High Queue Depth' is between 70% to 84.99% (of max queue depth) then it is highlighted in 'yellow'.
- If the 'High Queue Depth' is 85% or higher (of max queue depth) then it is highlighted in 'red'.

Visualizing the Data

The user can use the "TEST.Q1.csv" file with a spreadsheet program and create a Line Chart. The following sample Line Chart is using just the first 4 columns of the CSV file.



14.3 Queue Status Monitor

This section will describe how to invoke and use the Queue Status Monitor tool. The Queue Status Monitor will continuously monitor the queues of a queue manager displaying the Queue Name, Current Queue Depth, Open Input Count, Open Output Count, Last Put Date, Last Put Time, Last Get Date and Last Get Time.

Features:

- User selectable refresh rate i.e. 60 or 30 or 10 seconds
- The user can de-select the displaying of the SYSTEM queues (i.e. SYSTEM.*)
- The displayed queue attributes are: Queue Name, Current Queue Depth, Open Input Count, Open Output Count, Last Put Date, Last Put Time, Last Get Date and Last Get Time.
- The user can have multi windows open at the same time monitoring different queues of the same queue manager or monitoring of different queues of different queue managers at the same time.

Whatever you select for the **Refresh Rate** will be the interval that the Depth, Input & Output fields are measured by.

- The **Depth** is the current number of messages in the queue including both committed and uncommitted messages.
- The **Input** is the IPPROCS value for the queue. IPPROCS is the number of processes that have a queue open for input.
- The **Output** is the OPPROCS value for the queue. OPPROCS is the number of processes that have a queue open for output.

Example: If the refresh rate is 60 seconds (interval) and during the interval the Depth was 15, hence, 15 messages were in the queue during the last 60 seconds.

The user MUST enable Queue Manager 'Queue Monitor' (MONQ) to use the Queue Status Monitor tool.

For the MQ Tools, you can have unlimited number of them running (up to what your box can support). Also, while any of the MQ Tools are running, the user can still use MQ Visual Edit.

From the main panel of MQ Visual Edit, select MQ Tools, then Queue Status Monitor.

This is the main panel of the Queue Stats Monitor. Click the **Start** button to choose the queue manager and options.



This is the 'Queues To Monitor' panel, where the user selects the queue manager, refresh rate, system queues option and queue mask to be used during the monitoring of the queues.

ず Queues To Monitor		×
File Help		
2 2 2		
(C) Queue Managers	🞖 Queues To Monitor	
Linux 🛆 🔥	Oueues To Monitor	
Solaris 🛆	Masky *	
Windows	Options Options Show System Queues Write data to CSV file Show Temporary Queues Append data to CSV file 60 Refresh Rate in Seconds Go €	

- First, the user must select a queue manager which contents the queues to be monitored.
- If the queue mask is set to "*" then the user can select or de-select the system queues from being displayed.

The user can also combine mask filters together. Use a semi-colon (;) to separate each mask. i.e.

ABC.*;XYZ.*;TEST.*

Hence, only queues that begin with 'ABC.', 'XYZ.' and/or 'TEST.' will be shown.

• The monitoring data can be written to a CSV (Comma Separated Value) file. On subsequent invocations, the user can select to append the data to the file or write the data to a new file.

Location of the Queue Status Monitor CSV files:

- On Windows: C:\Users\{UserId}\Capitalware\MQVE\QSTM\{QMgrName}\\
- On Linux or Mac OS X: {home}/Capitalware/MQVE/QSTM/{QMgrName}/
- The user can set the rate in seconds at which the display will be refreshed.
- The user can select all queues ("*") of a queue manager to be monitored or select a partial list ("TEST*") of the queues to be monitored.

While the Queue Monitor is running, the current real-time values are displayed and updated. To stop the execution of the Queue Monitor click the **Stop** button.

Whatever you select for the **Refresh Rate** will be the interval that the Depth, Input & Output fields are measured by.

- The **Depth** is the current number of messages in the queue including both committed and uncommitted messages.
- The **Input** is the IPPROCS value for the queue. IPPROCS is the number of processes that have a queue open for input.
- The **Output** is the OPPROCS value for the queue. OPPROCS is the number of processes that have a queue open for output.

Example: If the refresh rate is 60 seconds (interval) and during the interval the Depth was 15, hence, 15 messages were in the queue during the last 60 seconds.

🖞 Queue Status Monitor [QSTM1] : MQWT1								8
File Tools Help								
Start Stop	t Refreshed:	19:15:57						
Queue Name	Depth	Input	Output	Last Put Date	Last Put Time	Last Get Date	Last Get Time	
AMQ.57DFF9F910220020	0	1	0	2016-09-19	10.45.17	2016-09-19	10.45.17	
AMQ.57DFF9F915220020	0	1	0	2016-09-19	10.45.17	2016-09-19	10.45.17	
AMQ.57DFF9F91A220020	0	1	0	2016-09-19	10.45.17	2016-09-19	10.45.17	
AMQ.57DFF9F91F220020	0	1	0	2016-09-19	10.45.17	2016-09-19	10.45.17	
AMQ.57DFF9F924220020	0	1	0	2016-09-19	10.45.17	2016-09-19	10.45.17	
AMQ.57DFF9F929220020	0	1	0	2016-09-19	10.45.17	2016-09-19	10.45.17	
AMQ.57DFF9F92E220020	0	1	0	2016-09-19	10.45.17	2016-09-19	10.45.17	
AMQ.57DFF9F933220020	0	1	0	2016-09-19	10.45.17	2016-09-19	10.45.17	
AMQ.MQEXPLORER.57DFF9F903500020	0	1	0	2016-09-19	19.15.48	2016-09-19	19.15.48	
								_

14.4 Visual Queue Depth

This section will describe how to invoke and use the Visual Queue Depth tool. The Visual Queue Depth will continuously monitor the queues of a queue manager visually displaying the queue depth.

Features:

- User selectable refresh rate i.e. 60 or 30 or 10 seconds
- The user can de-select the displaying of the SYSTEM queues (i.e. SYSTEM.*)
- The current queue depth of up to 30 queues will be charted. (Charting provided by JFreeChart)
- The user can have multi windows open at the same time monitoring different queues of the same queue manager or monitoring of different queues of different queue managers at the same time.

The chart will display 60 sample points for each queue being charted. Whatever you select for the Refresh Rate will determine the total duration of the chart. For example, if the refresh rate is 60 seconds then the chart will show 1 hour of data (60 1-minute samples). If the refresh rate is 30 seconds then the chart will show 30 minutes of data (60 30-second samples).

For the MQ Tools, you can have unlimited number of them running (up to what your box can support). Also, while any of the MQ Tools are running, the user can still use MQ Visual Edit.

From the main panel of MQ Visual Edit, select MQ Tools, then Visual Queue Depth.

This is the main panel of the Visual Queue Depth. Click the **Start** button to choose the queue manager and options.



This is the 'Queues To Monitor' panel, where the user selects the queue manager, refresh rate, system queues option and queue mask to be used during the monitoring of the queues.

🚦 Queues To Monitor		×
File Help		
= = 20		
🔇 Queue Managers	¥ Queues To Monitor	
Linux	Queues To Monitor	
Solaris 🛆	Mack: *	
Windows	Queue Type: Local Options Show System Queues Virite data to CSV file Show Temporary Queues Append data to CSV file 60 Refresh Rate in Seconds	

- First, the user must select a queue manager which contents the queues to be monitored.
- If the queue mask is set to "*" then the user can select or de-select the system queues from being displayed.

The user can also combine mask filters together. Use a semi-colon (;) to separate each mask. i.e.

ABC.*;XYZ.*;TEST.*

Hence, only queues that begin with 'ABC.', 'XYZ.' and/or 'TEST.' will be shown.

• The monitoring data can be written to a CSV (Comma Separated Value) file. On subsequent invocations, the user can select to append the data to the file or write the data to a new file.

Location of the Visual Queue Depth CSV files:

- On Windows: C:\Users\{UserId}\Capitalware\MQVE\VQD\{QMgrName}\
- On Linux or Mac OS X: {home}/Capitalware/MQVE/VQD/{QMgrName}/
- The user can set the rate in seconds at which the display will be refreshed.
- The user can select all queues ("*") of a queue manager to be monitored or select a partial list ("TEST*") of the queues to be monitored.

While the Visual Queue Depth is running, the current real-time values are displayed and updated. To stop the execution of the Visual Queue Depth click the **Stop** button.



14.5 Visual Queue Statistics

This section will describe how to invoke and use the Visual Queue Statistics tool. The Visual Queue Statistics will continuously monitor the queues of a queue manager visually displaying the Put Rate or Get Rate or the average of Put and Get rates.

Features:

- User selectable refresh rate i.e. 60 or 30 or 10 seconds
- The user can de-select the displaying of the SYSTEM queues (i.e. SYSTEM.*)
- The rate is user selectable: Put, Get or average of Put and Get rates
- The current queue depth of up to 30 queues will be charted. (Charting provided by JFreeChart)
- The user can have multi windows open at the same time monitoring different queues of the same queue manager or monitoring of different queues of different queue managers at the same time.

The chart will display 60 sample points for each queue being charted. Whatever you select for the Refresh Rate will determine the total duration of the chart. For example, if the refresh rate is 60 seconds then the chart will show 1 hour of data (60 1-minute samples). If the refresh rate is 30 seconds then the chart will show 30 minutes of data (60 30-second samples).

For the MQ Tools, you can have unlimited number of them running (up to what your box can support). Also, while any of the MQ Tools are running, the user can still use MQ Visual Edit.

From the main panel of MQ Visual Edit, select MQ Tools, then Visual Queue Statistics.

This is the main panel of the Visual Queue Statistics. Click the **Start** button to choose the queue manager and options.



This is the 'Queues To Monitor' panel, where the user selects the queue manager, refresh rate, system queues option and queue mask to be used during the monitoring of the queues.

🗳 Queues To Monitor		×
File Help		
2 2 2		
(Queue Managers	Ueues To Monitor	
Linux 🛆 🔨	Queues To Monitor	
Solaris 🛆	Mask: *1	
Windows 🤝 🛁	Comm Trans	
Lasto - MQ/VL1 MQ/VC1 MQ/VC1 remote - No Exit MQ/VC1 remote - No Exit MQ/VC1 remote - MQCA MQ/VT1 remote - No Exit MQ/VT1 remote - No Exit MQ/VT3 remote - No Exit	Queue Type: Local Options Options Show System Queues Show Temporary Queues So Refresh Rate in Seconds Message rate to be used: But Rate Get Rate Get Rate Average of Put and Get Rates	
MQWT3 remote MQWT3 remote - MQCT MQWT3 remote - No Exit MQWT3 remote - Sati JearId	Note: A maximum of 30 queues can be displayed.	

- First, the user must select a queue manager which contents the queues to be monitored.
- If the queue mask is set to "*" then the user can select or de-select the system queues from being displayed.

The user can also combine mask filters together. Use a semi-colon (;) to separate each mask. i.e.

ABC.*;XYZ.*;TEST.*

Hence, only queues that begin with 'ABC.', 'XYZ.' and/or 'TEST.' will be shown.

• The monitoring data can be written to a CSV (Comma Separated Value) file. On subsequent invocations, the user can select to append the data to the file or write the data to a new file.

Location of the Visual Queue Statistics CSV files:

- On Windows: C:\Users\{UserId}\Capitalware\MQVE\VQS\{QMgrName}\\
- On Linux or Mac OS X: {home}/Capitalware/MQVE/VQS/{QMgrName}/
- The user can set the rate in seconds at which the display will be refreshed.
- The user can select all queues ("*") of a queue manager to be monitored or select a partial list ("TEST*") of the queues to be monitored.

While the Visual Queue Statistics is running, the current real-time values are displayed and updated. To stop the execution of the Visual Queue Statistics click the **Stop** button.



14.6 Visual Subscription Rate

This section will describe how to invoke and use the Visual Subscription Rate tool. The Visual Subscription Rate will continuously monitor the subscriptions of a queue manager visually displaying the message count of the subscriptions.

Features:

- User selectable refresh rate i.e. 60 or 30 or 10 seconds
- The message count of up to 30 subscriptions will be charted. (Charting provided by JFreeChart)
- The user can have multi windows open at the same time monitoring different queues or subscriptions of the same queue manager or monitoring of different queues of different queue managers at the same time.

The chart will display 60 sample points for each queue being charted. Whatever you select for the Refresh Rate will determine the total duration of the chart. For example, if the refresh rate is 60 seconds then the chart will show 1 hour of data (60 1-minute samples). If the refresh rate is 30 seconds then the chart will show 30 minutes of data (60 30-second samples).

For the MQ Tools, you can have unlimited number of them running (up to what your box can support). Also, while any of the MQ Tools are running, the user can still use MQ Visual Edit.

From the main panel of MQ Visual Edit, select MQ Tools, then Visual Subscription Rate.

This is the main panel of the Visual Subscription Rate. Click the **Start** button to choose the queue manager and options.


This is the 'Subscriptions To Monitor' panel, where the user selects the queue manager, refresh rate and subscription mask to be used during the monitoring of the subscriptions.

Subscriptions To Monitor		x
File Help		
2 12 12 12		
(Queue Managers	Subscriptions To Monitor	
Linux 🛆	Subscriptions To Monitor	
Solaris 🛆	Mask: **	
Windows 🗢		
NQWL1	Options	
MQWC1	Show System Subscriptions 🛛 Write data to CSV file	
MOWC2	30 Pefreth Pate in Seconds III Annend data to CSV file	
MQWT1 - Test Send Exit	Append data to Cov me	
MQWT1 remote		
MQWT1 remote - MQCA		
MQWT1 remote - MQCE	Note: A maximum of 30 subscriptions can be displayed.	
MQWT1 remote - MQCT		
MQWT1 remote - No Exit		

- First, the user must select a queue manager which contents the queues to be monitored.
- If the queue mask is set to "*" then the user can select or de-select the system queues from being displayed.

The user can also combine mask filters together. Use a semi-colon (;) to separate each mask. i.e.

ABC.*;XYZ.*;TEST.*

Hence, only subscriptiond that begin with 'ABC.', 'XYZ.' and/or 'TEST.' will be shown.

• The monitoring data can be written to a CSV (Comma Separated Value) file. On subsequent invocations, the user can select to append the data to the file or write the data to a new file.

Location of the Visual Subscription Rate CSV files:

- On Windows: C:\Users\{UserId}\Capitalware\MQVE\VSR\{QMgrName}\\
- On Linux or Mac OS X: {home}/Capitalware/MQVE/VSR/{QMgrName}/
- The user can set the rate in seconds at which the display will be refreshed.
- The user can select all queues ("*") of a queue manager to be monitored or select a partial list ("TEST*") of the subscriptions to be monitored.

While the Visual Subscription Rate is running, the current real-time values are displayed and updated. To stop the execution of the Visual Subscription Rate click the **Stop** button.



14.7 Topic Monitor

This section will describe how to invoke and use the Topic Monitor tool. The Topic Monitor will continuously monitor the topics of a queue manager displaying the Topic String, Topic Name, Durability, Persistence, Publications, Subscriptions, Pub Current and Sub Count.

Features:

- User selectable refresh rate i.e. 60 or 30 or 10 seconds
- The user can de-select the displaying of the SYSTEM topics (i.e. SYSTEM.*)
- The displayed topic attributes are: Topic String, Topic Name, Durability, Persistence, Publications, Subscriptions, Pub Current and Sub Count.
- The user can have multi windows open at the same time monitoring different topics of the same queue manager or monitoring of different topics of different queue managers at the same time.

Whatever you select for the **Refresh Rate** will be the interval that the Pub Count & Sub Count are measured by.

- The **Pub Count** is the Publication Count for the topic.
- The **Sub Count** is the Subscription Count for the topic.

Example: If the refresh rate is 60 seconds (interval) and during the interval the Pub Count was 8, hence, 8 publishers were publishing messages.

For the MQ Tools, you can have unlimited number of them running (up to what your box can support). Also, while any of the MQ Tools are running, the user can still use MQ Visual Edit.

From the main panel of MQ Visual Edit, select **MQ Tools**, then **Topic Monitor**.

This is the main panel of the Topic Monitor. Click the **Start** button to choose the queue manager and options.



This is the 'Topics To Monitor' panel, where the user selects the queue manager, refresh rate, system topics option and topic mask to be used during the monitoring of the topics.

🦿 Topics To Monitor		×
<u>File</u> <u>H</u> elp		
Queue Managers	🗧 Topics To Monitor	
Linux 🛆	Topics To Monitor	
Solaris 🛆	Mask: #	
Windows 🗢		
Laptop - MQWL1 MQWC2 MQWC2 MQWC2 MQWC2 MQWC2 MQWC1 - Test Send Exit MQWT1 - remote - MQCT MQWT1 remote - MQCT MQWT1 remote - SetUserId MQWT2 remote - SetUserId MQWT2 remote - SetUserId MQWT3 - Test Send Exit MQWT3 - SetUserId	Options Show System Topics V Write data to CSV file S Refresh Rate in Seconds Append data to CSV file Go	

- First, the user must select a queue manager which contents the topics to be monitored.
- If the topic mask is set to "#" (not '*') then the user can select or de-select the system topics from being displayed.

The user can also combine mask filters together. Use a semi-colon (;) to separate each mask. i.e.

ABC.#;XYZ.#;TEST.#

Hence, only topics that begin with 'ABC.', 'XYZ.' and/or 'TEST.' will be shown.

• The monitoring data can be written to a CSV (Comma Separated Value) file. On subsequent invocations, the user can select to append the data to the file or write the data to a new file.

Location of the Visual Queue Depth CSV files:

- On Windows: C:\Users\{UserId}\Capitalware\MQVE\TM\{QMgrName}\
- On Linux or Mac OS X: {home}/Capitalware/MQVE/TM/{QMgrName}/
- The user can set the rate in seconds at which the display will be refreshed.
- The user can select all topics ("#") of a queue manager to be monitored or select a partial list ("TEST#") of the topics to be monitored.

While the Topic Monitor is running, the current real-time values are displayed and updated. To stop the execution of the Topic Monitor click the **Stop** button.

Whatever you select for the **Refresh Rate** will be the interval that the Pub Count & Sub Count are measured by.

- The **Pub Count** is the Publication Count for the topic.
- The **Sub Count** is the Subscription Count for the topic.

Example: If the refresh rate is 60 seconds (interval) and during the interval the Pub Count was 2, hence, 3 publishers were publishing messages.

Topic Monitor [TM1] : MQWT1									
File Tools Help									
Start Last Refreshed: 16:59:06									
Topic String	Topic Name	Durable	Persistence	Publications	Subscriptions	Pub Count	Sub Count		
/Test		Yes	No	Allowed	Allowed	0	0		
.NULL.	NULLTOPIC	Yes	No	Allowed	Inhibit	0	0		
testTopic		Yes	No	Allowed	Allowed	2	3		
/Test/Roger	myTopicObject	Yes	No	Allowed	Allowed	0	0		

14.8 Subscription Monitor

This section will describe how to invoke and use the Subscription Monitor tool. The Subscription Monitor will continuously monitor the subscriptions of a queue manager displaying the Subscription Name, Topic String, Subscription User Durable, Type, Message Count, Last Message Date and Last Message Time.

Features:

- User selectable refresh rate i.e. 60 or 30 or 10 seconds
- The user can de-select the displaying of the SYSTEM subscriptions (i.e. SYSTEM.*)
- The displayed subscription attributes are: Subscription Name, Topic String, Subscription User Durable, Type, Message Count, Last Message Date and Last Message Time.
- The user can have multi windows open at the same time monitoring different subscriptions of the same queue manager or monitoring of different subscriptions of different queue managers at the same time.

Whatever you select for the **Refresh Rate** will be the interval that the Depth, Input & Output fields are measured by.

- The Message Count is the current number of messages in the published for the subscription.
- The Last Message Date is the date when the last message was published.
- The Last Message Time is the time when the last message was published.

Example: If the refresh rate is 60 seconds (interval) and during the interval the Message Count was 15, hence, 15 messages, in total, have been published to the subscription.

For the MQ Tools, you can have unlimited number of them running (up to what your box can support). Also, while any of the MQ Tools are running, the user can still use MQ Visual Edit.

From the main panel of MQ Visual Edit, select MQ Tools, then Subscription Monitor.

This is the main panel of the Subscription Monitor. Click the **Start** button to choose the queue manager and options.



This is the 'Subscriptions To Monitor' panel, where the user selects the queue manager, refresh rate, system subscriptions option and subscription mask to be used during the monitoring of the subscriptions.

- First, the user must select a queue manager which contents the topics to be monitored.
- If the topic mask is set to "#" (not '*') then the user can select or de-select the system topics from being displayed.

The user can also combine mask filters together. Use a semi-colon (;) to separate each mask. i.e.

ABC.#;XYZ.#;TEST.#

Hence, only topics that begin with 'ABC.', 'XYZ.' and/or 'TEST.' will be shown.

• The monitoring data can be written to a CSV (Comma Separated Value) file. On subsequent invocations, the user can select to append the data to the file or write the data to a new file.

Location of the Visual Queue Depth CSV files:

- On Windows: C:\Users\{UserId}\Capitalware\MQVE\SUBM\{QMgrName}\
- On Linux or Mac OS X: {home}/Capitalware/MQVE/SUBM/{QMgrName}/
- The user can set the rate in seconds at which the display will be refreshed.
- The user can select all topics ("#") of a queue manager to be monitored or select a partial list ("TEST#") of the topics to be monitored.

While the Subscription Monitor is running, the current real-time values are displayed and updated. To stop the execution of the Subscription Monitor click the Stop button.

Whatever you select for the **Refresh Rate** will be the interval that the Depth, Input & Output fields are measured by.

- The Message Count is the current number of messages in the published for the subscription.
- The Last Message Date is the date when the last message was published.
- The Last Message Time is the time when the last message was published.

Example: If the refresh rate is 60 seconds (interval) and during the interval the Message Count was 15, hence, 15 messages, in total, have been published to the subscription.

	Jup	Last Refreshed: 19:52:57						
Sub	bscription Name	Topic String	Subscription User	Durable	Туре	Message Count	Last Message Date	Last Message Tim
		testTopic	tester	No	API	934	2016-09-19	19:52:55
		testTopic	tester	No	API	940	2016-09-19	19:52:55
		testTopic	tester	No	API	937	2016-09-19	19:52:55

15 Other Tools

This chapter will describes how the other tools included with MQ Visual Edit.

15.1 Hex Converter

This section will describe how to invoke and use the Hex Converter tool. Hex Converter tool can convert a hexadecimal number to its corresponding string representation and vice versa. i.e. 0x'3132333041424344' to '1230ABCD'.

For the Other Tools, you can have unlimited number of them running (up to what your box can support). Also, while any of the Other Tools are running, the user can still use MQ Visual Edit.

From the main panel of MQ Visual Edit, select Tools, then Hex Converter.

This is the main panel of the Hex Converter.

	F		
Input Value:			
546869732069732061	207465737420	6D657373616765	
Conversion Type: Convert Hex to Chara	cter 🔻 Co	onvert	
Output:			

- The user first selects the Conversion type: "Hex to Character" or "Character to Hex"
- Input the value hex or character value into the "Input Value" field
- Click the Convert button to convert the data

15.2 Hex Editor

This section will describe how to invoke and use the Hex Editor tool. The Hex Editor is a simple multipurpose hex editor. The Hex Editor supports multi-file editing.

For the Other Tools, you can have unlimited number of them running (up to what your box can support). Also, while any of the Other Tools are running, the user can still use MQ Visual Edit.

From the main panel of MQ Visual Edit, select **Tools**, then **Hex Editor**.

This is the main panel of the Hex Editor and it has 3 open files.

ORI	E:\TestData	\Tex	t\me	essag	ge_0	001.	txt											
Ei	le <u>E</u> dit <u>V</u> iew	v <u>T</u> o	ols	<u>H</u> el	р													
					ŕ				2									
	🗐 message	_000	1.tx	t >	(mes	sage	.txt	х	c	one_r	ness	age_	sma	ll.txt	X	
	Address	0	1	2	3	4	5	6	7	8	9	А	в	С	D	Е	F	Text
	00000000	49	6E	20	4D	51	53	65	72	69	65	73	2C	20	69	6E	74	In MQSeries, int 🔺
	00000010	65	72	63	6F	6D	6D	75	6E	69	63	61	74	69	6F	6E	20	ercommunication
	00000020	6D	65	61	6E	73	20	73	65	6E	64	69	6E	67	20	6D	65	means sending me
	0000030	73	73	61	67	65	73	20	66	72	6F	6D	20	6F	6E	65	20	ssages from one
	00000040	71	75	65	75	65	20	6D	61	6E	61	67	65	72	20	74	6F	queue manager to
	00000050	20	61	6E	6F	74	68	65	72	2E	20	20	54	68	65	20	72	another. The r
	00000060	65	63	65	69	76	69	6E	67	20	71	75	65	75	65	20	6D	eceiving queue m
	00000070	61	6E	61	67	65	72	20	63	6F	75	6C	64	20	62	65	20	anager could be
	00000080	6F	6E	20	74	68	65	20	73	61	6D	65	20	6D	61	63	68	on the same mach
	00000090	69	6E	65	20	6F	72	20	61	6E	6F	74	68	65	72	3B	20	ine or another;
	000000A0	6E	65	61	72	62	79	20	6F	72	20	6F	6E	20	74	68	65	nearby or on the
	00000B0	20	6F	74	68	65	72	20	73	69	64	65	20	6F	66	20	74	other side of t
	000000C0	68	65	20	77	6F	72	6C	64	2E	20	20	49	74	20	63	6F	he world. It co
	00000000	75	6C	64	20	62	65	20	72	75	6E	6E	69	6E	67	20	6F	uld be running o
	000000E0	6E	20	74	68	65	20	73	61	6D	65	20	70	6C	61	74	66	n the same platf
	000000F0	61	72	6D	20	61	/3	20	/4	68	65	20	6C	61	63	61	6C	orm as the local
	00000100	20	/1	/5	65	/5	65	20	6D	61	6E	61	6/	65	/2	2C	20	queue manager,
	00000110	61	72	20	63	61	75	6C	64	20	62	65	20	61	6E	20	61	or could be on a
	00000120	0E	/9 60	20	01	50	20	74	50	65	20	70	60	61	74	60	0F	ny of the platfo
	00000130	20	40	73	20	13	73	70	/U	72	25	20	20	04 E 4	20	62	79	MOSemies This
	00000140	20	40	72	20	62	61	609	60	/ 3 65	2E	20	20	20	64	60	72	is called a dis
	00000150	70	72	60	62	75	74	65	64	20	65	20 6E	76	60	72	6F	7 J 6E	tributed environ
	00000170	60	65	65	74	25	20	20	4D	51	53	65	72	69	65	73	20	ment MOSeries
	00000180	68	61	6E	64	60	65	73	20	63	6F	6D	60	75	6F	69	63	handles communic
	00000190	61	74	69	6F	6E	20	69	6F	20	61	20	64	69	73	74	72	ation in a distr
	000001A0	69	62	75	74	65	64	20	65	6E	76	69	72	6F	6F	6D	65	ibuted environme
	000001B0	6F	74	20	73	75	63	68	20	61	73	20	74	68	69	73	20	nt such as this
	000001C0	75	73	69	6E	67	20	44	69	73	74	72	69	62	75	74	65	using Distribute
	000001D0	64	20	51	75	65	75	65	20	4D	61	6E	61	67	65	6D	65	d Queue Manageme
	000001E0	6E	74	20	28	44	51	4D	29	2E	0A	54	68	65	20	6C	6F	nt (DOM). The lo
	000001F0	63	61	6C	20	71	75	65	75	65	20	6D	61	6E	61	67	65	cal queue manage
	00000200	72	20	69	73	20	73	6F	6D	65	74	69	6D	65	73	20	63	r is sometimes c 🔻
		-	-	-	-	-	-		-		-	-	-	_	-	-	-	

- Open / editing of multiple files
- Recent File List
- Copy, Find and Find Next
- Save, Save As and Print

15.3 Tail File

This section will describe how to invoke and use the Tail File tool. The Tail File is a simple multipurpose file monitoring viewer. The Tail File supports monitoring of multiple files at the same time.

For the Other Tools, you can have unlimited number of them running (up to what your box can support). Also, while any of the Other Tools are running, the user can still use MQ Visual Edit.

From the main panel of MQ Visual Edit, select Tools, then Tail File.

This is the main panel of the Tail File and it has 3 open files.

D:\Program Files (x86)\BBM\WebSphere MQ\errors\AMQERR01LOG	- • • ×
File Edit View Tools Help	
mqausx.mqwt1.log X 🕞 AMQERR01.LOG X UFM.log X	- 5
15312	*
15313 EXPLANATION:	
15315 conection to the remote host has unexpectedly terminated.	
15316 15317 The channel name is 'NV TEST EVIT': in some cases it cannot be determined and	
15318 so is shown as '????'.	
15319 ACTION: 15320 Tell the systems administrator.	
1521 angccita.c : 4113	
1522 8/24/2016 13:21:15 - Process(952:1) User(Program(mytestx.exe) 1522 1522 1	
15324 VRMF(8.0.0.4) 15325 AM09788: Slow DNS lookup for address '#92##68/30.1987'	
15326 - 1526 - 516	
15327 EXPLANATION: 15327 An attemnt to resolve address 'anthropy address' using the 'getnameinfo' function	
15329 call took 5 seconds to complete. This might indicate a problem with the DNS	
1533U CONTIGURATION. 1533I ACTION:	
15332 Ensure that DNS is correctly configured on the local system.	
15334 If the address was an IP address then the slow operation was a reverse DNS	
15335 lookup. Some DNS configurations are not capable of reverse DNS lookups and some	
1533 La addresses have no varid reverse bis entries. If the problem persists, 1533 consider disabling reverse DNS lookups until the issue with the DNS can be	
1538 resolved.	
15340 8/24/2016 13:21:15 - Process(9852.1) Use Program(mytestx.exe)	
15341 Host(Guidebog) Installation(Installation)	
15343 AMQ9202: Remote host '192 december (1414)' not available, retry later.	
15345 EXPLANATION:	
15346 The attempt to allocate a conversation using TCP/IP to host '100010 to the	
15347 (1414) for channel MT. IEST.EXII was not successful, however the error may be a 15348 transitory one and it may be possible to successfully allocate a TCP/IP	
15349 conversation later.	
15351 In some cases the remote host cannot be determined and so is shown as '????'.	
15352 ACTION:	
15354 values and contact your systems administrator. The return code from TCP/IP is	
15355 10061 (X-2/40). The reason for the failure may be that this host cannot reach 15356 the destination host. It may also be possible that the listening program at	
15357 host '1 1575 molecular (1414)' was not running. If this is the case, perform the	
15359 amgccita.c : 1209	
15360	*
I total Rows=15360 Wrap Lext=Off Follow File=On	

- Opening of multiple files
- Wrap Text and Recent File List
- Copy, Find, Find Next and Print

15.4 Text Editor

This section will describe how to invoke and use the Text Editor tool. The Text Editor is a simple multipurpose plain-text editor. The Text Editor supports multi-file editing.

For the Other Tools, you can have unlimited number of them running (up to what your box can support). Also, while any of the Other Tools are running, the user can still use MQ Visual Edit.

From the main panel of MQ Visual Edit, select Tools, then Text Editor.

This is the main panel of the Text Editor and it has 3 open files.

E:\TestData\Text\mqve_load_data_0001.txt	- O X
<u>File Edit View T</u> ools <u>H</u> elp	
message_0001.txt X mqve_load_data_0001.txt X one_message_small.txt X	- 🗖
<pre>1 Gharles John Huftham Dickens, 1812-1870 2 3 Charles Dickens led a very active life, always setting a 4 full schedule for himself which he pursued with extreme 5 energy. In addition to working on his novels, weekly 6 journalism and public readings, he produced and appeared in 7 numerous amateur theatrical productions and had a busy 8 social life. He had a wide circle of friends, a large 9 family and was admired by such different people as Queen 10 Victoria and Dostoevsky. He also was active in several 11 charitable organizations. Inonically, for relaxation, he 12 would walk long distances at a fast pace. 13 14 Although he had a flamboyant and high-spirited personality, 15 his novels show a distinctive blend of comedy and tragedy 16 that probably stems in part from his own life experiences. 17 For example, his father was imprisoned for indebtedness when 18 Charles was only 12. Breause of their improverished</pre>	*
 18 Charles was only 12. Because of their impoverished 19 situation, his whole family was forced to move into a 20 debtor's prison and Charles was sent to work in a blacking 21 warehouse. 22 23 In later years, his busy schedule began to affect his 24 health. After an exhausting tour of public readings in 25 America, Dickens was left physically weakened. He continued his 26 public readings on his return to England even though he had 27 not fully recovered. The result was that in June 1870, 28 while working on his novel, Edwin Drood, Dickens suffered a fatal 29 stroke. He was buried in the Poet's Corner in Westminster 30 Abbey. 	E
32 1833 Reporter of parlamentary debates 33 1833-1835 Sketches by Boz 34 1833-1835 Sketches by Boz 34 1833-1835 Sketches by Boz 35 1836-1837 Pickwick Papers 36 1837 Oliver Twist 37 1838-1839 Nicholas Nickleby 38 1840-1841 The Old Curiosity Shop 39 1844 Barnaby Rudge 40 1842 American Notes 41 1843 A Christmas Carol 42 1843 A Christmas Carol	
To Loss-Loss Martin Chuzziewit 44 1846 Editor of Daily News 45 1846-1848 Dombey and Son 46 1849-1850 David Copperfield 47 1850s Household Words, a magazine 48 1851-1853 A Child's History of England Row=1 Column=1 Total Rows=60 Wrap Text=Off	-

- Open / editing of multiple files
- Builtin XML Viewer, Wrap Text
- Recent File List
- Cut, Copy, Paste, Find and Find Next
- Save, Save As and Print

The following shows the Text Editor's builtin XML Viewer.

15.5 Visual Difference

This section will describe how to invoke and use the Visual Difference tool. The Visual Difference is a simple file to file comparison tool.

For the Other Tools, you can have unlimited number of them running (up to what your box can support). Also, while any of the Other Tools are running, the user can still use MQ Visual Edit.

From the main panel of MQ Visual Edit, select Tools, then Visual Difference.

This is the main panel of the Visual Difference. To initiate the file comparison process, click File and then click Compare File to File



First the user needs to select the first file for the comparison.



Next, the user needs to select the second file for the comparison.



The following shows the difference between 2 files. Differences are highlighted: Green for inserts, Red for deletions and Blue for changes.



15.6XML Editor

This section will describe how to invoke and use the XML Editor tool. The XML Editor is a simple multipurpose plain-text editor. The XML Editor supports multi-file editing.

For the Other Tools, you can have unlimited number of them running (up to what your box can support). Also, while any of the Other Tools are running, the user can still use MQ Visual Edit.

From the main panel of MQ Visual Edit, select Tools, then XML Editor.

This is the main panel of the XML Editor and it has 3 open files.

X E:\TestData\XML\book-order2.xml		
<u>File E</u> dit <u>V</u> iew <u>T</u> ools <u>H</u> elp		
📄 🔒 📫 🚺 🏘 🥙 🗞 💥 🦧 🔨		
book-order2.xml × message_0001.xml × me	ssage_0004.xml 🗙	- 🗖
Customer Customer Control Control Control Cardium Cardium Cardium Cardium Cardium Cardium Cardium Cardium Control Cardium Cardium Control Contro Contro Control Control Control Control	Attribute xmins	Value http://www.example.co

- Open / editing of multiple files
- Recent File List
- Copy, Find and Find Next
- Save, Save As and Print

16 Miscellaneous

This chapter will describes how the miscellaneous features of MQ Visual Edit.

16.1 Preferences

This section will describe how to change / update your preferences for MQ Visual Edit.

From the main panel of MQ Visual Edit, select **File** then **Preferences**. The user will be presented with a popup window that has 6 panels.

Preferences		×
General	General Start the tools in a separate JVM. Settings Directory: C:\Users\General\Capitalware Browse	
Edit Window	Date and Time Formatting Date Format: Example: yyyy/MM/dd 2021/03/25	
(Control MQ General	Time Format: Example: HH:mm:ss.SSS 18:54:28.983 Font Sizes 18:54:28.983	
MQ Queue	Variable Width: 12 v Fixed Width: 12 v Networking Properties for Internet Connectivity	
MQ Topic	Proxy Port 80	

General Preferences:

- Start the tools in a separate JVM If the user wants the tools to be launched in a separate JVM then select this checkbox.
- User Directory You can specify where MQ Visual Edit will store the QMgrInfo.db file. The QMgrInfo.db file contains all of the information necessary to connect to a queue manager.

Date and Time Formatting:

- **Date Format** User selectable date format to be used when displaying a date within MQ Visual Edit.
- **Time Format** User selectable time format to be used when displaying a time within MQ Visual Edit.

Font Sizes:

- Variable Width The font size to be used for all variable width fonts in MQ Visual Edit.
- Fixed Width The font size to be used for all fixed width fonts in MQ Visual Edit.

Networking Properties:

- Enable Proxy Server MQ Visual Edit needs to access the internet to register the product and for continued use. Enable this item if your company uses a Proxy Server.
- **Proxy Host** The Proxy Server address that your company uses.
- **Proxy Port** The Proxy Port number that your company uses.

🏶 Preferences			×
General	Main Window Position of the toolbar in the Main window Size of each column (10-1024) Background image:	Top v 50 Default v	
Main Window	Display Docks in Main window Show 'Queue Managers' dock Show 'Status' dock Show 'Message Descriptor' dock Show 'Named Properties' dock	E Browse	
MQ Queue	Position of Docks in Main window Position of 'Queue Managers' dock Position of 'Status' dock Position of 'Message Descriptor' dock Position of 'Named Properties' dock	Top Left V Bottom Left V Top Right V Bottom Right V	

Main Window Preferences:

- **Position of toolbar in the Main window** The user can select Top, Bottom, Left or Right.
- Size of each column (10-1024) The user can set the size of the columns in the Main window. The user can have a column of data as small as 10 characters or as large as 1024 characters.
- **Background Image** The user can select Default, User or None. The user can change the default image on the main window to either a blank are (None) or select their own image to be used (User). Supported image types are: PNG, GIF, JPG and JPEG.

Display Docks in Main window:

- Show 'Queue Managers' dock The user show or not the 'Queue Managers' dock in the Main window.
- Show 'Status' dock The user show or not the 'Queue Status' dock in the Main window.
- Show 'Message Descriptor' dock The user show or not the 'Message Descriptor' dock in the Main window.
- Show 'Named Properties' dock The user show or not the 'Named Properties' dock in the Main window.

Position of Docks in Main window:

- **Position of 'Queue Managers' dock** The user can the location of the 'Queue Managers' dock in the Main window.
- **Position of 'Status' dock** The user can the location of the 'Queue Status' dock in the Main window.
- **Position of 'Message Descriptor' dock** The user can the location of the 'Message Descriptor' dock in the Main window.
- **Position of 'Named Properties' dock** The user can the location of the 'Named Properties' dock in the Main window.

🍀 Preferences		X
General Main Window	Edit Window Options I Wrap text in Message Edit window. I Show line numbers in Message Edit window.	
Edit Window	CSV Viewer Use first row for column names Field Delimiter Comma Record Separator: New Line	
MQ General MQ Queue	FIX Viewer Use first row for column names Field Delimiter SOH (x'01') Record Separator: New Line	
MQ Topic		
	Save Cancel Set D	Defaults

Edit Window Preferences:

- Wrap text in Message Edit Window Set the default action for 'Wrap Text' in the Message Edit window.
- Show line numbers in Message Edit Window Set the default action for 'line numbers' in the Message Edit window.

The following are default values for the CSV Viewer when no user format is being used:

- Use first row for column names The first row of the data will be used as the column header row.
- Field Delimiter Specifies the default field delimiter to be used for CSV data.
- **Record Separator** Specifies the default record separator to be used for CSV data.

The following are default values for the FIX Viewer when no user format is being used:

- Use first row for column names The first row of the data will be used as the column header row.
- Field Delimiter Specifies the default field delimiter to be used for FIX data.
- **Record Separator** Specifies the default record separator to be used for FIX data.

🍇 Preferences	
	MQ General
O	Handling of message properties
General	Show message properties as Named Properties
Main Window	\bigcirc Show message properties as an MQRFH2 structure in message body
ENGL.	Default values for Monitoring
A Distance	Monitor Refresh Rate in seconds 30
Edit Window	Main Window Status Refresh Rate in seconds 30
MO Coperal	Default values for Export
MQ General	Message / Hile Handling
u	Each message to a separate file.
MQ Queue	All selected messages to the same file.
<	Trailer Text
MQ Topic	Append Trailer Text
	Use '\n' to represent CRLF on Windows and LF on Unix / Linux.
	Save Ocancel Set Defaults

MQ General Preferences:

• Show message properties as Named Properties - or show them in an MQRFH2 structure

Default values for Monitoring:

- Monitor Refresh Rate in seconds Default value used for Queue Monitor, Queue Statistics Monitor and Queue Status Monitor for the Refresh Rate.
- Main Window Monitor Refresh Rate in seconds Default Refresh Rate value used for Q Statistics Monitor in the Main window.

Default values for Export:

- Message / File Handling Either create a file for each message or write all message to the same file.
- Append Trailer Text Enable to add trailer text to each message.
- Trailer Text Field for adding trailer text.

Preferences		×
General	MQ Queue ☑ Warn if queue is empty.	
Main Window	If the message data is larger than 'Maximum size of each message' field: Automatically retrieve the entire message data when opening the 'Message Edit' window. Default values for List Queue Show System Queues	
Edit Window	Show Temporary Queues Mask for List Queues Queue Type for List Queues All	
MQ Queue	Queue Prefix for Temporary Dynamic Queues CSQ Default values for Open Queue	
MQ Topic	Maximum size of each message to retrieve 100,000 Maximum number of messages to retrieve 1,000 Contract Default Contract	
	Default values for Backup Queue File Format Backup messages to SQLite database Backup messages to VEQ formatted file	
	File Handling	
	Context Default Context V	

MQ Queue Preferences:

- Warn if Queue is empty If you do not want to be told when a newly opened queue is empty, then deselect this checkbox.
- Automatically retrieve the entire message data when opening the 'Message Edit' window if it is not selected then the 'Message Edit' window will use the message data that was in the row of the Main window.

Default values for List Queues:

- Show System Queues The user can set the default value for 'Show System Queues'.
- Show Temporary Queues The user can set the default value for 'Show Temporary Queues'.
- Mask for List Queues The user can set the default value for 'Mask for List Queues'.
- Queue Type for List Queues The user can set the default value for 'Queue Type for List Queues'.
- Queue Prefix for Temporary Dynamic Queues When the user clicks the "List Queue" button in the "Open Queue" window, MQ Visual Edit creates a temporary dynamic queue for communicating with the Queue Manager's Command Server. At some companies, security has been turned on so that a user cannot create queues with a CSQ prefix. Therefore, insert your application specific prefix that allows you to create temporary dynamic queues. e.g. HR.ABC

Default values for Open Queue:

- Convert on Get The user can set the default value for 'Convert on Get'.
- Max. size of each message to retrieve You can limit how much of the messages are retrieve from a local or remote queue manager. Note: This may be important when the messages are

very large. If you have a slow network then it could be minutes or even hours to retrieve all of the large messages of a queue.

- Max. number of messages to retrieve If you have hundreds or thousands of messages in a queue, it may not be feasible to retrieve all of them. Note: If you have a slow network then it could be minutes or even hours to retrieve all of the large messages of a queue.
- Context The user can set the default value for 'Context'.

Default values for Backup Queue:

- Backup File Format The user can select either SQLite database or VEQ formatted file.
- **Backup File Handling** The user can select either to create a new Backup file or Append the messages to an existing Backup file.

Default values for Restore Queue:

• **Context** - The user can set the default value for 'Context' for Restore Queue action.

🍀 Preferences	
General General Main Window Edit Window	MQ Topic New Messages Automatically scroll the table to the new message. New Topic Messages Insert new messages at the top of the table Insert new messages at the bottom of the table
MQ General MQ Queue	Default values for List Topic Show System Topics Mask for List Topics # Default values for Open Topic Convert on Get
MQ Topic	Maximum size of each message to retrieve 200000 Context Default Context ▼ Default values for Backup Topic ▼ File Format ● ● Backup messages to SQLite database ● ● Backup messages to VEQ formatted file ■ File Handling ● ● Create a new Backup File ● ● Append messages to Backup File ● Default values for Restore Topic ●
	Save October Concel Set Defaults

MQ Topic Preferences:

New Messages:

- Automatically scroll the table to the new message Set the default behavior when a new topic is opened whether or not the view should be automatically scrolled to the newest message.
- Insert new messages at the top of the table New messages will be put into the table at top.
- **Insert new messages at the bottom of the table** New messages will be put into the table at the bottom.

Default values for List Topics:

- Show System Topics The user can set the default value for 'Show System Topics'.
- Mask for List Topics The user can set the default value for 'Mask for List Topics'.

Default values for Open Topic:

- Convert on Get The user can set the default value for 'Convert on Get'.
- Max. size of each message to retrieve You can limit how much of the messages are retrieve from a local or remote queue manager. Note: This may be important when the messages are very large. If you have a slow network then it could be minutes or even hours to retrieve all of the large messages of a queue.
- Context The user can set the default value for 'Context'.

Default values for Backup Topic:

- Backup File Format The user can select either SQLite database or VEQ formatted file.
- **Backup File Handling** The user can select either to create a new Backup file or Append the messages to an existing Backup file.

Default values for Restore Topic:

• Context - The user can set the default value for 'Context' for Restore Topic action.

To save your preferences, click the **Ok** button. To quit or cancel from the Preferences popup menu, click the Cancel button. If you clicked the **Ok** button, then you should receive the "Preferences Saved" popup menu.



16.2 Language

This section will describe how to switch MQ Visual Edit's Language Text to another Language Text. MQ Visual Edit has been designed to support Java's multi-language environment. Currently, MQ Visual Edit has full language support for the following 55 languages:



From the main panel of MQ Visual Edit, select View, then Language.



As an example, the user can select German as the Language Text to be used for MQ Visual Edit and then the display would look like:

🏶 MQ Visual Edit - Tage im Abonnement Rest: 22						- • ×
Datei Warteschlange Thema Nachricht Eigenschaft	en Ans	icht Favoriten Tools Hilfe				
	4	Sprachen		Afrikanische Sprachen	•	
	-	Folgen Sie neuen Nachricht	en	Östlichen Sprachen		
🔕 Queue Manager		Ansicht zurücksetzen		Ostasien Sprachen		# Message Descriptor
Linux 🛆 📩		Anarchizaractocizen		Westlichen Sprachen		Tschechisch (Tschechische Republik)
Solaris 🛆		Alles auswählen	Ctrl+A		-	Dänisch (Dänemark)
Windows 🗢		Auswani autneben	Ctri+U			Niederländisch (Niederlande)
Aptop - MQWL1		4	5.76			Englisch
MQWC1		Int	11			Englisch (Kanada)
MQWT1			1			Englisch (Vereinigtes Königreich)
MQWT1 - Test Send Exit		A A	5000			Englisch (Vereinigte Staaten von Amerika)
MQW11 remote						Finnisch (Finnland)
A MQWT1 remote - MQCT						Französisch
B MQWT1 remote - No Exit						Französisch (Kanada)
MQWT1 remote - SetUserId				C	V	Deutsch
MQWT2 remote						Griechisch (Griechenland)
MQWT2 remote - SetUserId						Italienisch
MOWT3 - Test Send Exit						Norwegisch (Norwegen)
MQWT3 remote						Polnisch (Polen)
MQWT3 remote - MQCT						Portugionisch (Portugal)
MQWT3 remote - No Exit						Portugiesisch (Portugal)
MOWT4						Rumanisch (Rumanien)
Vista - MOWV1 64						Spanisch (Spanien)
						Schwedisch (Schweden)

16.3 Follow New Messages

This section will describe how to enable or disable the option of having the view move to the newest message inserted into the Topic table in the main panel.

If you have previously opened Topic **test/ABC/one**, the main panel may look something like:

🌲 test/ABC/one on MQWT1					- 0 ×
File Queue Topic Message Properties	View F	avorites Tools Help			
$[\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$					
Queue Managers	< test	/ABC/one / MQWT1 ×	- 🗆	🚂 Message Descriptor	
Linux		Data 1 - 50		Field Va	lue
	54	{300} Your lucky number today is 9466		Accounting Token	A
Solaris 🛆	53	{300} Your lucky number today is 3186		Application Identity	
Windows	52	{300} Your lucky number today is 3770		Application Origin D	
Relation MOW 1	51	<pre>{300} Your lucky number today is 1927</pre>		Backout Count	
A MOWCI	50	{300} Your lucky number today is 784		Coded Character S	
	49	{300} Your lucky number today is 2970		Correlation ID	
	48	{300} Your lucky number today is 9727		Correlation ID in Hex	
MOWEL Test Cond Fult	47	{300} Your lucky number today is 3849		Data Length	
MQWT1 remote	46	{300} Your lucky number today is 3085		Encoding	

From the main panel of MQ Visual Edit, select View, then Follow New Messages (unselect the option).

The main panel will not scroll when new messages are inserted, as per below:

🐐 test/ABC/one on MQWT1				- D X
File Queue Topic Message Proper	ties View F	avorites Tools Help		
🕨 22 🖪 🖪 🗳	∎∎⁴∣ [? 🖉 🕅 🐹 🗊 🖺 🛤 👼 📆 🔏 🖉		
Queue Managers	< test	/ABC/one / MQWT1 X	- 🗖 🚂 Message Descriptor	
Linux	•	Data 1 - 50	Field Value	
	68	{300} Your lucky number today is 3077	Accounting Token	
Solaris 🛆	67	{300} Your lucky number today is 2190	Application Identity	
Windows	66	<pre>{300} Your lucky number today is 7789</pre>	Application Origin D	
A Lasta MOWI 1	65	<pre>{300} Your lucky number today is 4574</pre>	Backout Count	
	64	<pre>{300} Your lucky number today is 7078</pre>	Coded Character S	
MOWCI	63	<pre>{300} Your lucky number today is 229</pre>	Correlation ID	
MOWE2	62	<pre>{300} Your lucky number today is 3918</pre>	Correlation ID in Hex	
MOWT1 Test Sand Exit	61	{300} Your lucky number today is 4143	Data Length	
MOWT1 - rest Send Exit	60	<pre>{300} Your lucky number today is 8664</pre>	Encoding	
a montrenote	50	[200] Your lucky number today is 9709	Evoiry Intorya	

16.4 Select All Messages

This section will describe how to select all of the messages displayed in the main panel.

If you have previously opened TEST.Q1, the main panel may look something like:

🌲 TEST.Q1 on MQWT1						
File Queue Topic Message Prop	erties	View Fa	avorites Tools Help			
Queue Managers		TEST	r.Q1/MQWT1 X _ 🗆	🕌 🙀 Message Descrip	tor	
Linux	^		Data 1 - 50	Field	Value	
		1	Charles John Huffham Dickens, 1812-1870Charles D ickens led a very	Accounting Token		
Solaris 🛆		2	In MQSeries, intercommunication means sending mess ages from one qu	Application Identity		
Windows		3	WebSphere MQ classes for Java (also referred to as WebSphere MQ ba	Application Origin D		
				Backout Count		
				Coded Character S		
MOWCI				Correlation ID		
MOWE1				Correlation ID in Hex		
MOWT1 Test Sand Exit				Data Length		

From the main panel of MQ Visual Edit, select View, then Select All.

The main panel should have all of the messages selected, as per below:



16.5 Unselect All Messages

This section will describe how to unselect all of the messages displayed in the main panel.

If you have previously opened the queue TEST.Q1 with all messages selected, then the main panel may look something like:

🍀 TEST.Q1 on MQWT1						
File Queue Topic Messa	ge Proj	pertie	s View F	avorites Tools Help		
Queue Managers			TES	T.Q1/MQWT1 X _ 🗆	Message Descript	or
Linux		^		Data 1 - 50	Field	Value
Linux			1	Charles John Huffham Dickens, 1812-1870Charles D ickens led a very	Accounting Token	A
Solaris	\bigtriangleup		2	WebSphere MQ classes for Java (also referred to as WebSphere MQ ba:	Application Identity	
Windows			3	In MQSeries, intercommunication means sending mess ages from one qu	Application Origin D	
All anton - MOWL 1					Backout Count	
A MOWC1					Coded Character S	
MOWC2					Correlation ID	
	_				Correlation ID in Hex	
					Data Length	

From the main panel of MQ Visual Edit, select View, then Unselect All.

16.6 Proxy UserId List

This section will describe how to create a Proxy UserId List and how to enable it with MQ Visual Edit. A Proxy UserId is useful when the MQ Administrator does not want to define a workstation UserId on the server where the queue manager is located.

To create a Proxy UserId on the server where the queue manager is located, please follow the Operating System's instructions. Once done, the user may now create the Proxy UserId List for MQ visual Edit to use.

Lets assume 3 Proxy UserIds were create on the server (i.e. pu1, pu2 and pu3). Now you need to map the real UserId to the Proxy UserIds. If you have 6 users called: Fred, Barney, Wilma, Betty, Pebbles and BamBam then create a file called ProxyList.txt with the following entries:

fred = pu1
barney = pu3
wilma = pu2
betty = pu2
pebbles = pu3
bambam = pu3

Note: UserIds in the Proxy UserId list are case sensitive.

As you can see, Fred is only user that is mapped to the Proxy UserId of pu1. Wilma and Betty are mapped to the Proxy UserId of pu2 and Barney, Pebbles and BamBam are mapped to the Proxy UserId of pu3.

Therefore, when the Proxy UserId List is actived in MQ Visual Edit, ALL MQ API calls will be done under the Proxy UserId. If a UserId is not found in the Proxy UserId List then the regular logged on UserId will be used. You may define a default "catch all" UserId called: DefaultProxyUserId. When this entry is defined in the Proxy UserId List then if a UserId is not found in the Proxy UserId List, the DefaultProxyUserId will be used.

Example:

```
red = pu1
barney = pu3
wilma = pu2
betty = pu2
pebbles = pu3
bambam = pu3
DefaultProxyUserId = pu3
```

To active a Proxy UserId List, the MQ administrator sets an environment variable call JETVMPROP.

Example:

set JETVMPROP=-DProxyList=H:\test\proxylist.txt

Two important points:

- 1. When the Proxy UserId List is activated in MQ Visual Edit, the user can no longer change / update their UserId in the Queue Manager Access Profile window.
- 2. From an administration point of view, the users should ONLY have read access to the Proxy UserId List and the MQ Visual Edit's install directory.

16.7 Locking the CommProfileDB

This section will describe how to Lock the CommProfileDB file within MQ Visual Edit. The CommProfileDB.properties file contains all of the information necessary to connect to a queue manager (remote or local).

There may be times when the MQ Administrator wishes to users access to particular queue managers but not all of them or wishes to restrict which queue managers they can connect to.

Using MQ Visual Edit, create the CommProfileDB.properties file with all of the queue managers that the MQ Administrator wishes the users to access. Store the CommProfileDB.properties file on a network drive or a shareable directory on the server or network.

To active the locked CommProfileDB.properties, the MQ administrator sets an environment variable call JETVMPROP.

Example: set JETVMPROP=-DCommProfileDB=H:\app\sample

Two important points:

- 1. When the lock for the CommProfileDB.properties file is activated in MQ Visual Edit, the user can no longer change their CommProfileDB Directory location in MQ Visual Edit's Preferences dialog box.
- 2. From an administration point of view, the users should ONLY have read access to the CommProfileDB.properties file and also MQ Visual Edit's install directory.

17 Appendix A – Mouse and Keyboard Actions

This section describes the buttons on MQ Visual Edit's toolbar.

17.1 Toolbar



- **Open Queue** Clicking the Open Queue button will display the Open Queue window.
- **Refresh Queue** Clicking the Refresh Queue button will refresh the display so that it is current with the queue on the selected queue manager.
- **Close Queue** Clicking the Close Queue button will remove the currently displayed dock.
- **Open Topic** Clicking the Open Topic button will display the Open Topic window.
- **Close Topic** Clicking the Close Topic button will remove the currently displayed dock.
- **Backup Queue** Clicking the Backup Queue button will all messages or selected messages to a file. The backup includes both the MQMD and the data.
- **Restore Queue** Clicking the Restore Queue button will load (restore) messages from a backed up file. The restore will set the MQMD of the message to its original values.
- **Insert Message** Clicking the Insert Message button will display the Message Edit window. Contents of the Message Edit window will be empty.
- Edit Message Clicking the Edit Message button will display the selected message in the Message Edit window.
- Forward Message Clicking the Forward Message button will display the Forward Message window, so that the selected message can be forwarded (remove from current queue and placed on another queue). One or more messages can be forwarded.
- **Delete Message** Clicking the Delete Message button will prompt the user to confirm that you wish to delete the selected message(s). One or more messages can be deleted.
- **Cut Message** Clicking the Cut Message button will "cut" the messages from the queue and put them in the computer's clipboard (messages are deleted from the queue). Note: If you "cut" more than one message, all of the messages will be combined and placed in the clipboard as one message.
- **Copy Message** Clicking the Copy Message button will "copy" the messages from the queue and into the computer's clipboard (messages remain in the queue). Note: If you "copy" more than one message, all of the messages will be combined and placed in the clipboard as one message.
- **Paste Message** Clicking the Paste Message button will copy the contains of the clipboard (whatever that may be) to a new message and placed in the queue.
- **Find** Clicking the Find button will display the Find window. The Find window allows the user to search for a text string that may be contained within one of the messages in the queue.
- **Print Message** Clicking the Print Message button will prompt the user to confirm that you wish to print the selected message.
- **Generate Report** Clicking the Generate Repor button will prompt the user to select the values (report type, report format, etc.) for the report generation.
- **Preferences** Clicking the Preferences button will display the preferences popup dialog box.
- **Help** Clicking the Help button will display MQ Visual Edit's Help system. The Help system provides various information about how and what features and functions are available in MQ Visual Edit.

17.2 Mousing Around in MQ Visual Edit

Left Button

• In the main window of MQ Visual Edit, while displaying messages of an opened queue, if the user double clicks the left mouse button, then the selected message will be display in the Message Edit window.

Right Button

In the main window of MQ Visual Edit, while displaying messages of an opened queue, if the user clicks the right mouse button, then the following popup menu will be displayed.

🍀 TEST.Q1 on MQWT1			X				
File Queue Topic Message Properties View Favorites Tools Help							
$\square \bowtie \bowtie \blacksquare \bowtie \blacksquare \bowtie \blacksquare \square \blacksquare \bowtie \blacksquare \boxtimes \boxtimes \square \blacksquare \blacksquare$							
Queue Managers	TEST.Q1/MQWT1 X	Message Descrip	tor				
Linux	Data 1 - 50	Field	Value				
Solaris 🛆	1 Charles John Huf Cut Message as WebSphere MQ cla	Accounting Token Application Identity	úæl Õê€Â ▲				
Windows	3 In MQSeries, internet Copy Message ess ages from one que	Application Origin D					
All aster MOWI 1	Paste Message	Backout Count	0				
		Coded Character S	437				
MOWC1	/ Edit Message	Correlation ID					
MOWT1	YM Enclosed and the second	Correlation ID in Hex	00000000000000				
MOWT1 - Test Send Evit	Ldit Message with XML Editor	Data Length	2492				
MOWT1 remote	Edit Message in Hex	Encoding	273				
MOWT1 remote - MOCT		Expiry Interval	Unlimited 📃				
MOWT1 remote - No Exit	Insert Message	Feedback Code	0				
MOWT1 remote - SetUserId	Duplicate Message	Format	MQSTR				
MOWT2		Group ID					
MOWT2 remote	Forward Message	Group ID in Hex	000000000000000				
MOWT2 remote - SetUserId	🗶 Delete Message	Logical Sequence N	1				
MOWT3		Message Flags	NONE				
MOWT3 - Test Send Exit	💏 Find	Message ID	AMQ MQWT1 ,				
MQWT3 remote	Find Next	Message ID in Hex	414051204051575				
MOWT3 remote - MOCT		Message Type	Datagram				
MOWT3 remote - No Exit	Select All	Offset	0				
MQWT3 remote - SetUserId		Original Length	-1 Descistent				
🛃 Vista - MQWV1_64	Unselect All	Persistence	rensistent				
🚑 Vista - MQWV1_64 - S	😂 Refresh Queue	Put-Application Name	Capitalware\MQVE				
d=6lk		Put-Application Type	Mindowe				
Queue Status	📩 Close Queue	Named Properties	5				

- **Cut Message** Selecting the Cut Message menu item will "cut" the messages from the queue and put them in the computer's clipboard (messages are deleted from the queue). Note: If you "cut" more than one message, all of the messages will be combined and placed in the clipboard as one message.
- **Copy Message** Selecting the Copy Message menu item will "copy" the messages from the queue and into the computer's clipboard (messages remain in the queue). Note: If you "copy" more than one message, all of the messages will be combined and placed in the clipboard as one message.
- **Paste Message** Selecting the Paste Message menu item will paste the contains of the clipboard (whatever that may be) to a new message and place it in the queue.
- Edit Message Selecting the Edit Message menu item will display the selected message in the Message Edit window.
- Edit Message in Hex Selecting the Edit Message in Hex menu item will display the selected message in the Hex Message Edit window.
- Edit Message with XML Editor Selecting the Edit Message with XML Editor menu item will display the selected message in the XML Editor window.
- **Insert Message** Selecting the Insert Message menu item will display the Message Edit window. Contents of the Message Edit window will be empty.

- **Duplicate Message** Selecting the Duplicate Message menu item will replicate all the selected message(s) to the current queue. One or more messages can be duplicated.
- Forward Message Selecting the Forward Message menu item will display the Forward Message window, so that the selected message can be forwarded (remove from current queue and placed on another queue). One or more messages can be forwarded.
- **Delete Message** Selecting the Delete Message menu item will prompt the user to confirm that you wish to delete the selected message(s). One or more messages can be deleted.
- **Find** Selecting the Find menu item will display the Find window. The Find window allows the user to search for a text string that may be contained within one of the messages in the queue.
- **Find Next** Selecting the Find Next menu item will display the Find window but the search will continue from the previous search position.
- Select All Selecting the Select All menu item will select (highlight) all messages in the queue.
- Unselect All Selecting the Unselect All menu item will de-select (un-highlight) all messages in the queue.
- **Refresh Queue** Clicking the Refresh Queue button will refresh the display so that it is current with the queue on the selected queue manager.
- Close Queue Clicking the Close Queue button will remove the currently displayed tab.

17.3 Keyboard short-cuts in MQ Visual Edit

There are many short-cut (accelerator) key combinations in MQ Visual Edit.

Note: Ctrl means press and hold the Control key and then press the key after the "-" (minus sign).

Ctrl-O	Will display the Open Queue window.
Ctrl-R	Will refresh the contents of the queue.
Ctrl-X	Will "cut" the messages from the queue and put them in the computer's clipboard (messages are deleted from the queue). Note: If you "cut" more than one message, all of the messages will be combined and placed in the clipboard as one message.
Ctrl-C	Will "copy" the messages from the queue and into the computer's clipboard (messages remain in the queue). Note: If you "copy" more than one message, all of the messages will be combined and placed in the clipboard as one message.
Ctrl-V	Will paste the contains of the clipboard (whatever that may be) to a new message and place it in the queue.
Ctrl-E	Will display the selected message in the Message Edit window.
Ctrl-I	Will display the Message Edit window to allow the user to insert a new message. Contents of the Message Edit window will be empty.
Ctrl-W	Will display the Forward Message window, so that the selected message can be forwarded (remove from current queue and placed on another queue). One or more messages can be forwarded.
Ctrl-D	Will prompt the user to confirm that you wish to delete the selected message(s). One or more messages can be deleted.
Ctrl-F	Will display the Find window. The Find window allows the user to search for a text string that may be contained within one of the messages in the queue.
Ctrl-P	Will display the printer selection dialog so that the selected message can be printed.
Ctrl-G	Will display the Find window but the search will continue from the previous search position.
Ctrl-A	Will select (highlight) all messages in the queue.
Ctrl-U	Will de-select (un-highlight) all messages in the queue.
F1	Will display MQ Visual Edit's Help system. The Help system provides various information about how and what features and functions are available in MQ Visual Edit.

18 Appendix B – MQ Visual Edit Upgrade Procedures

To upgrade an existing installation of MQ Visual Edit, please do the following in the appropriate section below.

18.1 Windows Upgrade

- > Stop all instances of MQ Visual Edit
- > Backup any MQ Visual Edit data files in the MQ Visual Edit install directory
- > Go to the Windows Control Panel and select Program and Features
- > Select MQ Visual Edit and then click the Uninstall button
- > Run the install program called: **mqve3-setup-withjre.exe**
- The installer follows the standard Windows install procedures and provides default values for the user.
- When the install program has completed execution, there will be a newly created folder under Start -> All Programs called MQ Visual Edit.
- > Restore the MQ Visual Edit data files if necessary
- > To run MQ Visual Edit, select the MQ Visual Edit icon from within the MQ Visual Edit folder.

18.2 Linux Upgrade

- > Stop all instances of MQ Visual Edit
- Backup any MQ Visual Edit data files in the MQ Visual Edit install directory
- Next, run the installer with the following command: ./mgve3-setup-trial-linux.bin
- > The installer will prompt the user for the installation directory. The default value will be 'Capitalware/MQVE3/'.
- Restore the MQ Visual Edit data files if necessary
- To run MQ Visual Edit, go to the installation directory and issue the following command: ./mqve

18.3 Max OS X Upgrade

- > Stop all instances of MQ Visual Edit
- > Go to the Applications folder and drag the current MQ Visual Edit application to the Trash
- > Double click the *MQ_Visual_Edit_V3.dmg* file to open it
- Follow the instructions on the opened DMG window and drag the MQ Visual Edit icon to the Applications folder.
- Close the DMG window and then eject the DMG
- > To run MQ Visual Edit, go to the Application folder and double click on MQ Visual Edit
19 Appendix C – Frequently Asked Questions (FAQ)

Q. What does reason code 2058 mean?

A. Generally, 2058 means that you have an invalid queue manager name or that the host does not have that particular queue manager. Check the spelling of the queue manager name that you inputted. Also, queue manager names are case sensitive (e.g. MQA1 is not the same as mqa1).

Q. What does reason code 2059 mean?

A. Generally, 2059 means that the queue manager is down. Try restarting the queue manager and command server on the remote box. Reason code 2059 can also occur if you inputted an incorrect port number. Therefore, verify that the port number is correct.

Q. What does reason code 2009 mean?

A. Generally, 2009 means that the channel name is incorrect. Verify that you have inputted the correct server connection channel name. Also, channel names are case sensitive (e.g. JAVA.CHL is not the same as java.chl).

Q. What does reason code 2035 mean?

A. The reason code 2035 means that the user's UserId is not authorized to access the queue on the remote (or local) queue manager. Ask your IBM MQ Administrator to grant your UserId the necessary authority to access the queue.

Q. What does reason code 2206 mean?

A. The reason code 2206 means that z/OS shared queue is indexed by Correlation ID. The user needs to select Correlation ID on the Open Queue window.

Q. When I click the Test button in the Queue Manager Access Profile window, nothing happens. No response from MQ Visual Edit at all.

A. This generally means that the MCA (Message Channel Agent) is timing out on a TCP/IP error. The TCP/IP time-out value appears to be at least 1 minute (maybe even longer).

Solutions:

- Assuming the network is stable and working, make sure that both queue manager and the listener are running on the box that you are attempting to connect to (or /etc/inetd and /etc/services have been configured correctly).
- The time-out could be from an incorrect value for either the hostname or Port #.
 - From a Command Prompt or Unix shell, ping the hostname e.g. ping remotehostname or ping xx.xx.xx
 - Also, verify that you have inputted the same port number that the listener is using on the remote box.

Q. Can I use MQ Visual Edit with my mainframe (OS/390 or z/OS) queue managers?

A. Yes. But you need to have the CAF (Client Attachment Feature) installed on z/OS (mainframe). On the mainframe, go to SDSF and look in the xxxxCHIN (where xxxx is the queue manager name) output for a message:

CSQX099I - xxxx CSQXGIP Client attachment feature available

If this message doesn't show up, then you don't have the feature installed. The CAF is a required for any client program (including MQ Visual Edit) to connect directly to a mainframe queue manager.

Q. Can I install MQ Visual Edit on a network drive (LAN) and run it from that location?

A. Yes. MQ Visual Edit will happily run from a network drive. Each user's preferences will be stored in their own "Home Directory"\Capitalware.

On Windows, the home directory is the **%USERPROFILE%** folder:

i.e. C:\users\UserID\Capitalware

On Unix and Linux, the home directory is the user's standard logon directory

i.e. /export/home/UserID/Capitalware

Note: If you going to run MQ Visual Edit from a network drive and share it with other members of your team, please make sure you have purchased sufficient licenses of MQ Visual Edit.

Q. Can I share my queue manager connection information for MQ Visual Edit with another user or put it on a network drive (LAN)?

A. Yes. MQ Visual Edit stores the queue manager connection information in a SQLite database file called: *QMgrInfo.db*. By default, this file is stored in the user's "Home Directory"\Capitalware. You can move the QMgrInfo.db to any directory or network drive that you wish.

20 Appendix D – Support

The support for MQ Visual Edit can be found at the following location:

Online Help Desk Ticketing System at

www.capitalware.com/phpst/

By email at:

support@capitalware.com

By regular mail at:

Capitalware Inc. Attn: MQ Visual Edit Support Unit 11, 1673 Richmond Street, PMB524 London, Ontario Canada N6G 2N3

21 Appendix E – Summary of Changes

- MQ Visual Edit v3.2.0
 - Added support for importing COBOL Copybook into the 'Fixed Width' configuration window for User Format.
 - Added 'Number of threads' for the following MQ Tools: Put Server, SIM Server, SIM Client & Publish Server.
 - Added 12 replaceable tokens for the following MQ Tools: Put Server, SIM Server, SIM Client & Publish Server.
 - Added right-click menu for selecting the replaceable tokens on the text box for: Put Server, SIM Server, SIM Client & Publish Server.
 - Added 'Show Temporary Queues' checkbox on the Open Queue and MQ Monitoring Tools' Open Queue dialog
 - Added the ability to sort the columns by clicking on the column header of List Of Queues and List Of Topics popup windows.
 - Added support for user defined date and time fields in the Preferences window.
 - Added the product version number to the Registration window.
 - Added code to convert Event messages as they are retrieved from the queue rather when the user opens the Message Edit window.
 - For CSV, FIX and Fixed Width Viewers, added the ability to click on the column header to sort the data by that column.
 - For CSV, FIX and Fixed Width layout manager, added 'Type for Table Sorting' column. It tells MQ Visual Edit how to sort the data in a particular column (i.e. String, Integer, Double, etc.).
 - Improved the handling of right-click popup menu on the main window, List of Queues and List of Topics windows
 - Enhanced the logging to include all GUI classes.
 - Fixed issue with preferences being removed when the language is changed.
 - Fixed issue with user selected language not being saved as a Preference.
 - Fixed an issue with the Choose Columns for MQMD.
 - Fixed an issue with the dock width setting not being removed when the Reset View was selected (under the View menu item).
 - Fixed an issue with the SIM Client missing the Browse button for text file.
 - Fixed an issue with handling PCF MQCFT_XR_SUMMARY messages from z/OS queue managers.
 - Fixed an issue with renaming a Group (on main window).
- MQ Visual Edit v3.1.0
 - Added a new MQ tool called Ping Queue Manager. It allows the user to test the response time of a queue manager putting AND getting a series of messages.
 - Added an AMS Keystore setting page on the Queue Manager Access Profile window to allow the user to select the AMS Keystore to be used.
 - Added the ability the set both the variable width and fixed width font sizes on the General panel of the Preferences window.
 - Added a setting On the Preferences's 'Main Window' panel to allow the user to change the default background or to disable it.

- Added code to only retrieve the hostname and canonical hostname values once (on program startup) and set it as a system properties.
- Fixed a bug in Message Edit window for auto column header creation for CSV and FIX data that have more than 700 columns.
- Fixed an issue with getting entire message when 'Automatically retrieve the entire message data when opening the 'Message Edit' window' is selected in options.
- Corrected the fixed width font on macOS and Linux
- Fixed an issue with the import parsers for MQ Explorer, MO71, and CCDT. Now it correctly handles MQ MI or MQ HA hostnames.
- Added code to better handle missing channel exit and/or incorrect path to channel exit.
- Fixed an issue so that the correct queue manager profile is selected after either a rename or move.
- Added support for escaped characters (i.e. \n, \r, etc.) on the Import File window when Delimited File is selected
- Fixed an issue with Clear Queue not recognizing alias or cluster queue when clearing queue.
- Fixed an issue with 'List Queues' from right click on main window not correctly setting queue type.
- Fixed an issue with MQ Tools drop-down when the users is running the trial-only (MQVE only).
- Added code to better handle messages with CCSID of 1200 and 1201.
- Added support for MQMDE structure on the Message Edit window.
- Fixed an issue with data conversion when 'Convert On Get' is selected and the EBCDIC message's MQMD Format field is blank.
- Fixed an issue with Generate Report not properly creating the character display portion of the HEX output in the PDF.
- Enhanced the Mask field processing for the List of Queues window to handle more complex masks.
- Added a popup window to display the mask to be used for a Refresh action on the List Of Queues window. The user can update/change it and then click ok (or press enter) to refresh the queue list.
- Updated the list of SSL/TLS CipherSpec/CipherSuite to be aligned with MQ v9.2.
- MQ Visual Edit v3.0.0
 - Added a new MQ tool called Visual Queue Statistics. It allows the user to visually display the queue statistic values in a chart.
 - Added a new MQ tool called Visual Subscription Rate. It allows the user to visually display the subscription's message count in a chart.
 - Added a dialog window to retrieve the context value for 'Put Options' for the Restore Queue/Topic feature.
 - Added Context for 'Put Options' on the Open Queue/Topic window for Put Server, SIM Client, SIM Server and Publish Server.
 - Added a new viewer on the Message Edit window called: Fixed Width Viewer. Clicking it will parse the message data into a spreadsheet display.
 - Added a new viewer on the Message Edit window called: CSV Viewer. Clicking it will parse the message data into a spreadsheet display.
 - Added a new viewer on the Message Edit window called: FIX (Financial Information eXchange) Viewer. Clicking it will parse the message data into a spreadsheet display.

- Added a wizard so that the user can quickly create and save Fixed Width format structure, CSV column names and FIX column names.
- Added a new options on the Preferences' Edit Window called: 'For CSV Viewer, use first row for column name', drop selector for field delimiter and a drop selector for record separator.
- Added a new options on the Preferences' Edit Window called: 'For FIX Viewer, use first row for column name' and drop selector for delimiter, drop selector for field delimiter and a drop selector for record separator.
- Added the ability to associate a time zone with a queue manager. Hence, the message's date and time will be in the specified time zone.
- Changed Queue Manager Access Profile, Group and Favorites information to be stored in a SQLite database
- Added code to automatically migrate CommProfileDB, CommProfileGroupDB and FavoritesDB property files to a SQLite database.
- For a fresh install of MQ Visual Edit (Windows and Linux only), added code to automatically collect local queue manager information and display it to the user for importing.
- Added the ability to import queue manager settings from MQ Explorer.
- Added the ability to import queue manager settings from MO71.
- Added the ability to import queue manager settings from MQ Visual Edit V1/V2 property file.
- Added the ability to import queue manager settings from a CCDT file.
- Added the ability to import local queue managers.
- Fixed an issue with resetting the view correctly and also when changing the language.
- Added launching a web browser from the Registration window for the user to register the license key.
- New location for SQLite database and the MQVE logfile. They will now be stored in {home_directory}\Capitalware\ directory. i.e. For Windows: C:\Users\{UserId}\Capitalware\ and for Linux/macOS: /home/{UserId}/Capitalware/
- The MQ Visual Edit logfile will now be called: MQVE.log (rather than MQVE_error.log).
- Moved the MQ Server and Monitor tools to their own menu dropdown called: MQ Tools
- Enhanced the error message regarding an expired license key
- Updated code to better handle "https" call to capitalware.com for registration
- Updated code to set JVM UserId because MQ client library uses it when USE MQCSP AUTHENTICATION PROPERTY is set to true
- Increased the size of the buttons on the windows, so people with Microsoft Surface tablets will find it easier to click buttons with their fingers.
- Added icons to all of the buttons on the windows. The icons for the buttons match the icons for the menu items. Hence, it makes for a better and more consistent look and feel.
- Fixed an issue with parsing PCF messages and displaying them.
- Fixed an issue with Queue Monitor tool and connecting to a z/OS queue manager.
- Fixed a bug on Message Edit window where Wrap Text menu item was not honoring user Preferences.
- Fixed a bug on Message Edit window where Replace menu item was not being enabled/disabled correctly.

- Switched from Apache Xerces to Java's builtin XML parser.
- Updated docs (English only)
- MQ Visual Edit v2.4.0
 - Updated Backup and BackupTopic functions to support writing the messages to a SQLite database.
 - Updated Restore and RestoreTopic functions to support reading the messages from a SQLite database.
 - Updated PutServer, SIMClient, SIMServer and PublishServer functions to support reading the messages from a SQLite database.
 - Changed the web call to capitalware.com server for license registration from http to https.
 - Fixed an issue with Named Properties object being null on Message Edit window
 - Fixed an issue with Backup Queue, Backup Topic and message conversion
 - Fixed an issue with Export Message and message conversion
 - o Fixed an issue with MQMD on the Message Edit window
 - Fixed an issue with Named Properties when creating a JMS message
 - Added extra code to handle issues with opening and/or writing to the logfile when the OS is using file redirection.
 - Fixed an issue with the message being deselected when the message is saved in the Message Edit window
 - For z/OS queue managers, added code to allow the user to select the indexing of the z/OS shared queue.
 - Added UserId compatibility mode on the UserId panel of the Queue Manager Access Profile window. Connectivity will use MQCSP structure by default.
- MQ Visual Edit v2.3.0
 - Fixed issue with using both Topic Name and Topic String
 - o Fixed issue on Subscribe/Publish Server Open Topic window to allow only Topic Name
 - Added code to update screen title with either (1) days remaining in subscription or (2) days remaining in trial.
 - Added code to show resolved topic object for dock title and application title.
 - Fixed an issue with Generate Report and low values being converted to spaces.
 - Fixed an issue with File -> Add Queue Manager Access Profile feature adding the queue manager to the wrong group.
 - Added code on Registration window to remove a single quote (') from the name field when retrieving the Access Code.
 - Added code to make sure all MQExceptions are caught.
 - Added Clear button on Registration window to allow the user to remove name, email address, license key and access code from the saved settings.
 - Fixed an issue where the Refresh Queue option caused another thread (to inquire on the queue) to be launched for the Status dock.
 - Rewrote the internals of MQ Visual Edit to better handle data conversion between codepages.
 - Fixed an issue with writing data to CSV file for Subscription Monitor.
 - MQ Visual Edit is now built as a 64-bit executable for Linux, macOS and Windows.

- MQ Visual Edit v2.2.0
 - Added Prompt for Password on the UserId panel of the Queue Manager Access Profile window
 - o Added a JSON Viewer for JSON data on the Message Edit window
 - o Added back 'Open Read Only' feature on the Open Queue Window
 - o Added 'Open Read Only' feature on the Open Topic Window
 - Added checks for Proxy Host and Port when Proxy Server is enabled
 - Added 'Automatically scroll the table to the new message' to the 'MQ Topic' window panel of the Preferences popup window
 - Added the 'Follow New Message' menu item under View menu item (it toggles on/off the auto scrolling for Topic messages)
 - Added Topic Name to the Open Topic window.
 - Added Cut and Delete Message to the main window for Topic Messages (Note: Messages are only removed from the table and not from the topic).
 - Added 2 new Topic Stress Testing Tools: Subscribe Server and Publish Server.
 - Added support on 'Forward Message' feature to remove MQRFH2 wrapped MQDEAD messages if 'Remove Dead Letter Header' is specified.
 - Added support for more internal MQ headers: MQDH, MQRMH, MQTM and MQWIH
 - Added support for delimiters to parse file(s) for 'Import File' feature.
 - Added support for 30 new languages: Amharic, Arabic, Azerbaijani, Bengali, Cebuano, Gujarati, Hausa, Hebrew, Igbo, Javanese, Kannada, Malay, Malayalam, Mandarin, Marathi, Pashto, Persian, Shona, Sindhi, Sundanese, Swahili, Tamil, Telugu, Turkish, Ukrainian, Urdu, Uzbek, Xhosa, Yoruba & Zulu
 - Changed the location of the 'MQVE_error.log' file to be the same directory as the 'CommProfileDB.properties' file.
 - Fixed an issue with 'Forward Message' feature
 - Fixed an issue when Reset View was invoked and the subscriptions were not stopped.
 - Fixed an issue with not being able to select a message when it does not have payload (message data)
 - Fixed an issue with MQMD columns not showing when a message does not have payload (message data)
 - Fixed an issue with PutApplType being shown when MQMD columns are being displayed.
 - Fixed an issue with MQMD columns not honoring column alignment.
 - Fixed an issue with the Cut Message on the main screen.
 - Fixed an issue with PutDate & PutTime on the MQXQH panel.
 - Fixed an issue with acquiring the 'i'th Access Code.
 - Fixed an issue with the Button Bar on Mac OS X.
 - Fixed button selection coloring on Mac OS X.
 - Fixed an issue with coloring the main table when the topic string contains either '#' or '+'.
 - Fixed an issue with sort columns on List of Topics window.
 - Made sure Favorites and MQ Monitoring Tools store the settings/information in the 'User Directory'.
 - Switched to JVM v1.8

- ▶ MQ Visual Edit v2.1.0
 - Added support for 18 new languages
 - Added Send and Receive Exits on the Exits panel of the Queue Manager Access Profile window
 - Added colored topic messages on main window when a topic was opened using a wildcard
 - Added the 'Reset View' feature (under the View menu item) to reset the framework to its default values
 - Added back the 'Get All Data' button on the Message Edit window. To enable this feature, the 'Automatically retrieve entire message' checkbox on the 'MQ Queue' panel of the Preferences window must be de-selected.
 - Added more checks/verifications around the registration, so that users input the correct information
 - Fixed a variety of bugs related to the framework.
 - Fixed several bugs related to internal message handling
- > MQ Visual Edit v2.0.0
 - Initial release.

22 Appendix F1 - License Agreement - Unregistered

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24 Appendix G – Notices

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